HYDROLOGY
STUDY
For
Proposed Development of

SADDLE HORN
(Tentative Tract 38171)

City of Jurupa Valley
County of Riverside

March 2022

PREPARED BY: Naila A. Brown

UNDER SUPERVISION OF:

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

TABLE OF CONTENTS

SECTION **TITLE**

1 INTRODUCTION

A. PROJECT LOCATION
B. BACKGROUND/STUDY PURPOSE
C. METHODOLOGY
D. CONCLUSION

2 EXISTING HYDROLOGY

· EXHIBIT "B"- EXISTING HYDROLOGY MAP
· 2, 10& 100 YEAR RATIONAL ANALYSIS

3 PROPOSED HYDROLOGY

· EXHIBIT "C"- PROPOSED HYDROLOGY MAP
· 2, 10& 100 YEAR RATIONAL ANALYSIS

4 BASIN STUDY

· UNIT HYDROGRAPH
· BASIN ROUTING

5 REFERENCES

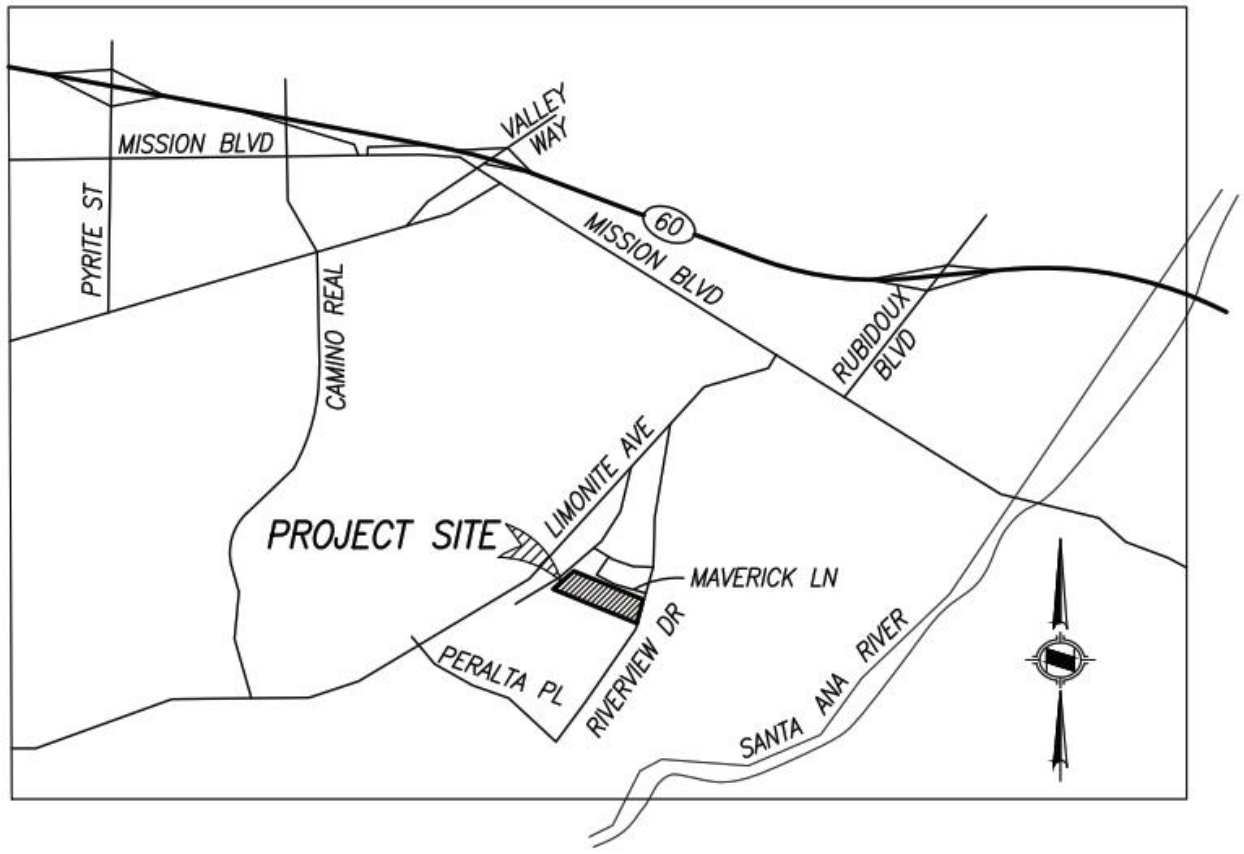
· HYDROLOGY PARAMETERS

SECTION 1
INTRODUCTION

A. PROJECT LOCATION

The proposed development of Tract Map 38171, named Saddle Horn (Project) is located in the City of Jurupa Valley, in Riverside County. The Project is generally bounded by Limonite Avenue to the west, Riverview Drive to the east, and Maverick Lane to the north, as shown in. the Vicinity Map below.

Vicinity Map



B. BACKGROUND/STUDY PURPOSE

This hydrology study has been prepared by Hunsaker and Associates Irvine, Inc., for the proposed development of TTM 38171. The Project site encompasses an area of approximately 19.23 acres of undeveloped land that generally drains towards the east to Riverview Drive. As shown in ***Exhibit A***, storm runoff from the Project site is tributary to natural segment of Santa Ana River, and can therefore potentially cause downstream hydromodification impacts.


EXHIBIT A
PROJECT LOCATION

The purposes of this study is to prepare existing condition and proposed developed condition hydrology of the project site; and to evaluate and recommend preliminary sizes of drainage facilities needed to provide flood protection, and to mitigate hydromodification and water quality impacts due to the proposed development.

Existing Condition

Under existing condition the Project site is undeveloped with no existing storm drain facilities. As shown in the Existing Condition Hydrology Map, ***Exhibit B*** (Section 2), the Project site drains in an easterly direction to Riverview Drive (Node 3).

With a drainage area of approximately 19.82 acres the Project site will generate peak flowrates of approximately 12.41 cfs, 24.73 cfs and 40.31 cfs during 2-year, 10-year, and 100-year frequency storm events, respectively.

Proposed Condition

The proposed Project will be a residential development with approximately 31 single family homes. As shown in the Proposed Condition Hydrology Map, ***Exhibit C*** (Section 3), peak storm runoff generated from the Project site will increase to 15.59 cfs, 28.00 cfs, and 45.42 cfs during the 2-year, 10-year, and 100-year frequency storm events, respectively.

In order to mitigate post-development impacts, including water quality, hydromodification and increase in storm runoff during major storm events, all flows generated from the Project site will be intercepted and routed through a bioretention/detention basin (Basin A).

Basin A will be designed to retain and filter low flows and initial runoff through 3 feet of media, and to detain and route runoff generated by storm events of up to 100-year frequency through the basin outlet to the curb and gutter in Lakeview Drive.

The footprint and elevation of the basin bottom will be set to retain the water quality volume below the basin's outlet pipe. Water filtered through the media will be collected in a sub-drain system and pumped to the street via a sump pump. The basin will include a spillway as an emergency/secondary outlet.

Retarded peak flows discharged from Basin A to Riverview Drive will be reduced to 1.0 cfs for the 2-year 24 hour storm, 14.6 cfs for the 10-year storm, and 29.7 cfs for the 100- year storm and as shown in Table 1. Below.

BASIN STUDY SUMMARY
Saddle Horn, CA
TRIBUTARY TO SANTA ANA RIVER
TABLE 1. UNIT HYDROGRAPH AND BASIN ROUTING FLOW TABULATIONS

DRAINAGE AREA	OUTLET NODE	LAND USE	AREA (AC)		UNIT HYDROGRAPH PEAK FLOW RATE (CFS)						
					2-YR STORM	10-YR STORM			100-YR STORM		
			PROP	*EXIST	24 HOUR (HMD)	3 HOUR	6 HOUR	24 HOUR	3 HOUR	6 HOUR	24 HOUR
BASIN A	4	EXISTING CONDITION		19.30	0.9	18.29	17.14	7.42	30.00	27.27	14.57
		PROPOSED CONDITION WITHOUT DETENTION	19.30		3.2	18.67	18.36	6.93	30.83	29.18	14.06
		BASIN OUTFLOW WITH DETENTION			1.0	0.96	14.60	6.91	29.73	26.70	14.05

NOTES:
HMD= HYDROMODIFICATION CRITERIA
* EXISTING DRAINAGE AREA IS MIMMICKED TO MATCH PROPOSED AREA

C. METHODOLOGY

Hydrology Analysis:

The Drainage Study for this project was conducted as follows:

a. Rational Method hydrology was performed to calculate peak flow rates for existing and proposed condition for the 2-year, 10-year and 100-year frequency storms. Proposed land use is based on single family residential areas with 50% Imperviousness. Soils were based on soils map for Riverside-West and as attached in reference section.

b. Unit Hydrographs were performed as follows;

   Basin routing to meet County's Hydromodification criteria for 2-year 24-hr storm, and to size the basin outlet to reduce outflows to less than existing conditions for the10-year and 100-year storm events.

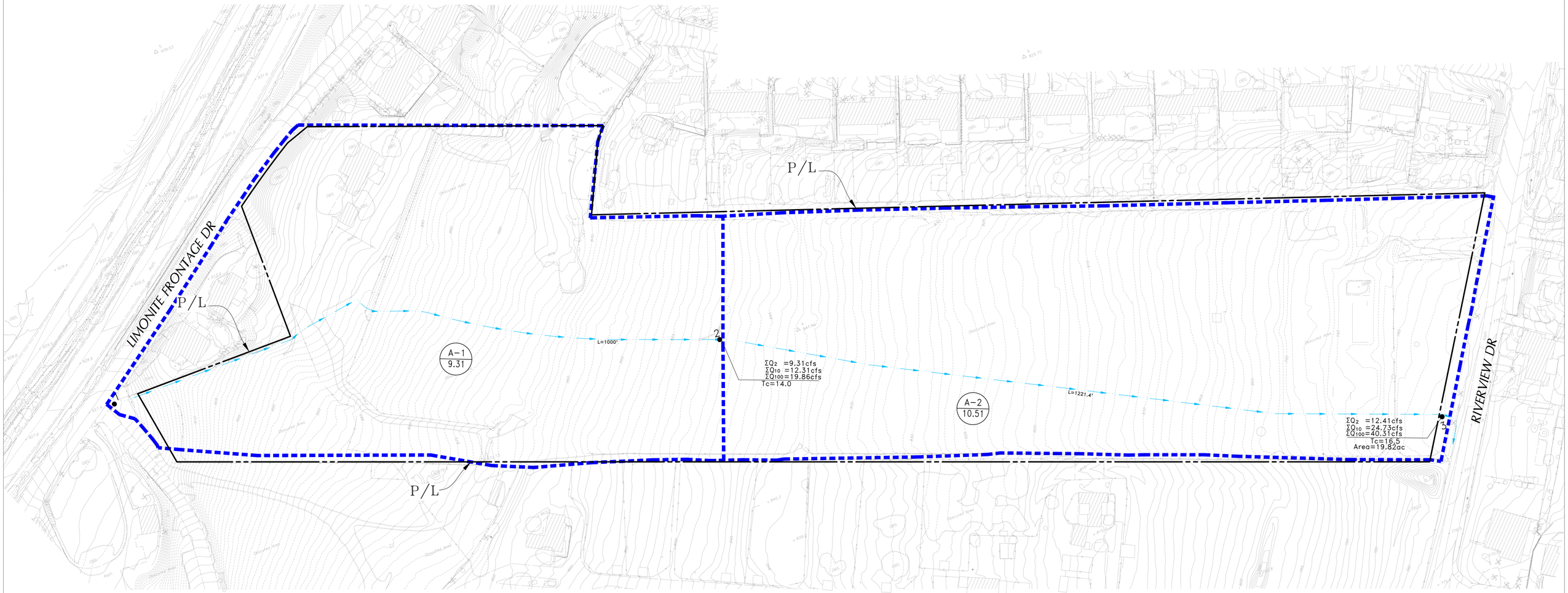
D. CONCLUSION

The proposed Basins A will mitigate the following drainage impacts:

- Provide treatment of first flush and nuisance runoff flows generated in the Project site;
- Mitigate hydromodification by limiting post-project discharge to less than 110 percent of pre-project flows for 2-year, 24-hours storms.
- Reduce flow rates to less than existing conditions for major storms, of 10-year and 100-year return frequencies.

SECTION 2

EXISTING HYDROLOGY



LEGEND

■■■■■	DRAINAGE BOUNDARY
1	NODE NUMBER
A / 1.20	AREA DESIGNATION AREA ACREAGE
ΣQ100 =8.0cfs t=15.0	PEAK CONFLUENCE FLOW RATE TIME OF CONCENTRATION
FLOW LINE	
P/L	PROPERTY LINE

EXHIBIT "B"
HYDROLOGY MAP
EXISTING CONDITION
TTM#38171, SADDLE HORN
CITY OF JURUPA VALLEY, CA

SCALE: 1" = 60'

0 30 60 120

SCALE: 1" = 60'

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                Riverside County Rational Hydrology Program

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        Rational Hydrology Study        Date: 03/16/22  File:EA.out
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 *********   Hydrology Study Control Information **********

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

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Program License Serial Number 6406

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EXISTING HYDROLOGY STUDY
SADDLE HORN, TTM# 38171, CITY OF JURUPA VALLEY,CA
2-YEAR STORM
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =    2.00 Antecedent Moisture Condition = 1

2 year, 1 hour precipitation =  0.500(In.)
100 year, 1 hour precipitation =  1.100(In.)

Storm event year =   2.0
Calculated rainfall intensity data:
1 hour intensity =  0.500(In/Hr)
Slope of intensity duration curve = 0.5500


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Process from Point/Station        1.000 to Point/Station        2.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =  1000.000(Ft.)
Top (of initial area) elevation =   927.000(Ft.)
Bottom (of initial area) elevation =   850.000(Ft.)
Difference in elevation =    77.000(Ft.)
Slope =    0.07700  s(percent)=       7.70
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   14.027 min.
Rainfall intensity =      1.112(In/Hr) for a     2.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.610
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 1)  =  71.60
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =      6.315(CFS)
Total initial stream area =        9.310(Ac.)
Pervious area fraction = 1.000

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Process from Point/Station        2.000 to Point/Station        3.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =    850.000(Ft.)
End of natural channel elevation =    780.000(Ft.)
Length of natural channel  =  1204.000(Ft.)
Estimated mean flow rate at midpoint of channel =      9.879(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =   6.01(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.0581
Corrected/adjusted channel slope =  0.0581
Travel time =    3.34 min.     TC =   17.37  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.586
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 1)  =  71.60
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      0.989(In/Hr) for a     2.0 year storm
Subarea runoff =      6.094(CFS) for     10.510(Ac.)
Total runoff =     12.408(CFS)    Total area =      19.820(Ac.)
End of computations, total study area =           19.82 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number =  86.0
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                Riverside County Rational Hydrology Program

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        Rational Hydrology Study        Date: 03/16/22  File:EA.out
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 *********   Hydrology Study Control Information **********

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

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Program License Serial Number 6406

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EXISTING HYDROLOGY STUDY
SADDLE HORN, TTM# 38171, CITY OF JURUPA VALLEY,CA
10-YEAR STORM
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

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

2 year, 1 hour precipitation =  0.500(In.)
100 year, 1 hour precipitation =  1.100(In.)

Storm event year =  10.0
Calculated rainfall intensity data:
1 hour intensity =  0.747(In/Hr)
Slope of intensity duration curve = 0.5500

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Process from Point/Station        1.000 to Point/Station        2.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =  1000.000(Ft.)
Top (of initial area) elevation =   927.000(Ft.)
Bottom (of initial area) elevation =   850.000(Ft.)
Difference in elevation =    77.000(Ft.)
Slope =    0.07700  s(percent)=       7.70
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   14.027 min.
Rainfall intensity =      1.661(In/Hr) for a    10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.796
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     12.309(CFS)
Total initial stream area =        9.310(Ac.)
Pervious area fraction = 1.000

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Process from Point/Station        2.000 to Point/Station        3.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =    850.000(Ft.)
End of natural channel elevation =    780.000(Ft.)
Length of natural channel  =  1204.000(Ft.)
Estimated mean flow rate at midpoint of channel =     19.257(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =   7.15(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.0581
Corrected/adjusted channel slope =  0.0581
Travel time =    2.81 min.     TC =   16.83  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.786
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      1.503(In/Hr) for a    10.0 year storm
Subarea runoff =     12.418(CFS) for     10.510(Ac.)
Total runoff =     24.728(CFS)    Total area =      19.820(Ac.)
End of computations, total study area =           19.82 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number =  86.0
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EXISTING HYDROLOGY STUDY
SADDLE HORN, TTM# 38171, CITY OF JURUPA VALLEY,CA
100-YEAR STORM
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

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

2 year, 1 hour precipitation =  0.500(In.)
100 year, 1 hour precipitation =  1.100(In.)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity =  1.100(In/Hr)
Slope of intensity duration curve = 0.5500

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Process from Point/Station        1.000 to Point/Station        2.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =  1000.000(Ft.)
Top (of initial area) elevation =   927.000(Ft.)
Bottom (of initial area) elevation =   850.000(Ft.)
Difference in elevation =    77.000(Ft.)
Slope =    0.07700  s(percent)=       7.70
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   14.027 min.
Rainfall intensity =      2.446(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.872
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     19.857(CFS)
Total initial stream area =        9.310(Ac.)
Pervious area fraction = 1.000

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Process from Point/Station        2.000 to Point/Station        3.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =    850.000(Ft.)
End of natural channel elevation =    780.000(Ft.)
Length of natural channel  =  1204.000(Ft.)
Estimated mean flow rate at midpoint of channel =     31.065(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =   8.15(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.0581
Corrected/adjusted channel slope =  0.0581
Travel time =    2.46 min.     TC =   16.49  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.869
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      2.238(In/Hr) for a   100.0 year storm
Subarea runoff =     20.450(CFS) for     10.510(Ac.)
Total runoff =     40.307(CFS)    Total area =      19.820(Ac.)
End of computations, total study area =           19.82 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number =  86.0
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SECTION 3

PROPOSED HYDROLOGY



LEGEND

■■■■■	DRAINAGE BOUNDARY
1	NODE NUMBER
A / 1.20	AREA DESIGNATION / AREA ACREAGE
ΣQ100 =8.0cfs / t=15.0	PEAK CONFLUENCE FLOW RATE / TIME OF CONCENTRATION
FLOW LINE	
P/L	PROPERTY LINE

EXHIBIT "C"
HYDROLOGY MAP
PROPOSED CONDITION
TTM#38171, SADDLE HORN
CITY OF JURUPA VALLEY, CA

SCALE: 1" = 60'

0 30 60 120

SCALE: 1" = 60'

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PLOTTED BY: Naila Brown DATE: Mar. 18, 2022 07:09:00 PM FILE: F:\1252\Engineering\TR_38171\Rpt_Hydrology\Exhibit C.dwg

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        Rational Hydrology Study        Date: 03/16/22  File:AA.out
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 English (in-lb) Units used in input data file

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Program License Serial Number 6406

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PROPOASED HYDROLOGY STUDY
SADDLE HORN, TTM# 38171, CITY OF JURUPA VALLEY,CA
2-YEAR STORM
------------------------------------------------------------------------

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

Storm event (year) =    2.00 Antecedent Moisture Condition = 1

2 year, 1 hour precipitation =  0.500(In.)
100 year, 1 hour precipitation =  1.100(In.)

Storm event year =   2.0
Calculated rainfall intensity data:
1 hour intensity =  0.500(In/Hr)
Slope of intensity duration curve = 0.5500

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Process from Point/Station        1.000 to Point/Station        2.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =  1000.000(Ft.)
Top (of initial area) elevation =   927.000(Ft.)
Bottom (of initial area) elevation =   846.350(Ft.)
Difference in elevation =    80.650(Ft.)
Slope =    0.08065  s(percent)=       8.06
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   10.227 min.
Rainfall intensity =      1.323(In/Hr) for a     2.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.673
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 1)  =  49.80
Pervious area fraction =  0.500; Impervious fraction =  0.500
Initial subarea runoff =      4.400(CFS)
Total initial stream area =        4.940(Ac.)
Pervious area fraction = 0.500

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Process from Point/Station        2.000 to Point/Station        3.000
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of street segment elevation =   846.350(Ft.)
End of street segment elevation =   778.700(Ft.)
Length of street segment  =  1043.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  18.000(Ft.)
Distance from crown to crossfall grade break  =  16.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [1] side(s) of the street
Distance from curb to property line  =  10.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   2.000(Ft.)
Gutter hike from flowline =  1.500(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =      6.198(CFS)
Depth of flow =   0.286(Ft.), Average velocity =   5.650(Ft/s)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  10.060(Ft.)
Flow velocity =   5.65(Ft/s)
Travel time =    3.08 min.     TC =   13.30  min.
 Adding area flow to street
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.657
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 1)  =  49.80
Pervious area fraction =  0.500; Impervious fraction =  0.500
Rainfall intensity =      1.145(In/Hr) for a     2.0 year storm
Subarea runoff =      3.513(CFS) for      4.670(Ac.)
Total runoff =      7.913(CFS)     Total area =       9.610(Ac.)
Street flow at end of street =      7.913(CFS)
Half street flow at end of street =      7.913(CFS)
Depth of flow =   0.307(Ft.), Average velocity =   5.987(Ft/s)
Flow width (from curb towards crown)=  11.121(Ft.)


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Process from Point/Station        3.000 to Point/Station        4.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =   778.700(Ft.)
Downstream point/station elevation =   777.700(Ft.)
Pipe length  =    38.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     7.913(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =     7.913(CFS)
Normal flow depth in pipe =    9.74(In.)
Flow top width inside pipe =   14.32(In.)
Critical Depth =   13.32(In.)
Pipe flow velocity =      9.38(Ft/s)
Travel time through pipe =    0.07 min.
Time of concentration (TC) =    13.37 min.
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Process from Point/Station        4.000 to Point/Station        4.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =      9.610(Ac.)
Runoff from this stream =      7.913(CFS)
Time of concentration =   13.37 min.
Rainfall intensity =     1.142(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station        4.100 to Point/Station        4.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   932.000(Ft.)
Top (of initial area) elevation =   921.000(Ft.)
Bottom (of initial area) elevation =   837.900(Ft.)
Difference in elevation =    83.100(Ft.)
Slope =    0.08916  s(percent)=       8.92
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.745 min.
Rainfall intensity =      1.359(In/Hr) for a     2.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.676
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 1)  =  49.80
Pervious area fraction =  0.500; Impervious fraction =  0.500
Initial subarea runoff =      4.052(CFS)
Total initial stream area =        4.410(Ac.)
Pervious area fraction = 0.500


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.200 to Point/Station        4.300
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
______________________________________________________________________________
Top of street segment elevation =   937.900(Ft.)
End of street segment elevation =   778.700(Ft.)
Length of street segment  =   925.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  18.000(Ft.)
Distance from crown to crossfall grade break  =  16.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [1] side(s) of the street
Distance from curb to property line  =  10.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   2.000(Ft.)
Gutter hike from flowline =  1.500(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =      5.996(CFS)
Depth of flow =   0.246(Ft.), Average velocity =   8.156(Ft/s)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =   8.063(Ft.)
Flow velocity =   8.16(Ft/s)
Travel time =    1.89 min.     TC =   11.64  min.
 Adding area flow to street
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.665
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 1)  =  49.80
Pervious area fraction =  0.500; Impervious fraction =  0.500
Rainfall intensity =      1.232(In/Hr) for a     2.0 year storm
Subarea runoff =      3.829(CFS) for      4.670(Ac.)
Total runoff =      7.881(CFS)    Total area =       9.080(Ac.)
Street flow at end of street =      7.881(CFS)
Half street flow at end of street =      7.881(CFS)
Depth of flow =   0.266(Ft.), Average velocity =   8.685(Ft/s)
Flow width (from curb towards crown)=   9.068(Ft.)


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Process from Point/Station        4.300 to Point/Station        4.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =   778.700(Ft.)
Downstream point/station elevation =   777.700(Ft.)
Pipe length  =    70.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     7.881(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =     7.881(CFS)
Normal flow depth in pipe =   10.34(In.)
Flow top width inside pipe =   17.80(In.)
Critical Depth =   13.05(In.)
Pipe flow velocity =      7.50(Ft/s)
Travel time through pipe =    0.16 min.
Time of concentration (TC) =    11.79 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.000 to Point/Station        4.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      9.080(Ac.)
Runoff from this stream =      7.881(CFS)
Time of concentration =   11.79 min.
Rainfall intensity =     1.223(In/Hr)
Summary of stream data:

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


1        7.913     13.37          1.142
2        7.881     11.79          1.223
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Largest stream flow has longer time of concentration
Qp =      7.913 + sum of
           Qb         Ia/Ib
            7.881 *    0.933 =      7.354
Qp =     15.267

Total of 2 main streams to confluence:
Flow rates before confluence point:
       7.913       7.881
Area of streams before confluence:
        9.610        9.080


Results of confluence:
Total flow rate =     15.267(CFS)
Time of concentration =    13.371 min.
Effective stream area after confluence  =     18.690(Ac.)


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Process from Point/Station        4.000 to Point/Station        4.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
UNDEVELOPED (good cover) subarea
Runoff Coefficient = 0.468
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 1)  =  55.80
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    13.37 min.
Rainfall intensity =      1.142(In/Hr) for a     2.0 year storm
Subarea runoff =      0.326(CFS) for      0.610(Ac.)
Total runoff =     15.593(CFS)    Total area =      19.300(Ac.)
End of computations, total study area =           19.30 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.516
Area averaged RI index number =  69.2
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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 03/16/22  File:AA.out
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 *********   Hydrology Study Control Information **********

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

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

------------------------------------------------------------------------
PROPOASED HYDROLOGY STUDY
SADDLE HORN, TTM# 38171, CITY OF JURUPA VALLEY,CA
10-YEAR STORM
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

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

2 year, 1 hour precipitation =  0.500(In.)
100 year, 1 hour precipitation =  1.100(In.)

Storm event year =  10.0
Calculated rainfall intensity data:
1 hour intensity =  0.747(In/Hr)
Slope of intensity duration curve = 0.5500


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        1.000 to Point/Station        2.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =  1000.000(Ft.)
Top (of initial area) elevation =   927.000(Ft.)
Bottom (of initial area) elevation =   846.350(Ft.)
Difference in elevation =    80.650(Ft.)
Slope =    0.08065  s(percent)=       8.06
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   10.227 min.
Rainfall intensity =      1.976(In/Hr) for a    10.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.795
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.500; Impervious fraction =  0.500
Initial subarea runoff =      7.765(CFS)
Total initial stream area =        4.940(Ac.)
Pervious area fraction = 0.500

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.000 to Point/Station        3.000
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of street segment elevation =   846.350(Ft.)
End of street segment elevation =   778.700(Ft.)
Length of street segment  =  1043.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  18.000(Ft.)
Distance from crown to crossfall grade break  =  16.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [1] side(s) of the street
Distance from curb to property line  =  10.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   2.000(Ft.)
Gutter hike from flowline =  1.500(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =     10.981(CFS)
Depth of flow =   0.339(Ft.), Average velocity =   6.477(Ft/s)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  12.690(Ft.)
Flow velocity =   6.48(Ft/s)
Travel time =    2.68 min.     TC =   12.91  min.
 Adding area flow to street
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.785
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.500; Impervious fraction =  0.500
Rainfall intensity =      1.739(In/Hr) for a    10.0 year storm
Subarea runoff =      6.371(CFS) for      4.670(Ac.)
Total runoff =     14.136(CFS)     Total area =       9.610(Ac.)
Street flow at end of street =     14.136(CFS)
Half street flow at end of street =     14.136(CFS)
Depth of flow =   0.366(Ft.), Average velocity =   6.885(Ft/s)
Flow width (from curb towards crown)=  14.029(Ft.)


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Process from Point/Station        3.000 to Point/Station        4.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =   778.700(Ft.)
Downstream point/station elevation =   777.700(Ft.)
Pipe length  =    38.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    14.136(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    14.136(CFS)
Normal flow depth in pipe =   12.52(In.)
Flow top width inside pipe =   16.57(In.)
Critical Depth =   16.61(In.)
Pipe flow velocity =     10.78(Ft/s)
Travel time through pipe =    0.06 min.
Time of concentration (TC) =    12.97 min.
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Process from Point/Station        4.000 to Point/Station        4.000
**** CONFLUENCE OF MAIN STREAMS ****
____________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =      9.610(Ac.)
Runoff from this stream =     14.136(CFS)
Time of concentration =   12.97 min.
Rainfall intensity =     1.734(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station        4.100 to Point/Station        4.200
**** INITIAL AREA EVALUATION ****
____________________________________________________________________________
Initial area flow distance =   932.000(Ft.)
Top (of initial area) elevation =   921.000(Ft.)
Bottom (of initial area) elevation =   837.900(Ft.)
Difference in elevation =    83.100(Ft.)
Slope =    0.08916  s(percent)=       8.92
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.745 min.
Rainfall intensity =      2.029(In/Hr) for a    10.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.797
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.500; Impervious fraction =  0.500
Initial subarea runoff =      7.137(CFS)
Total initial stream area =        4.410(Ac.)
Pervious area fraction = 0.500


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Process from Point/Station        4.200 to Point/Station        4.300
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
____________________________________________________________________________
Top of street segment elevation =   937.900(Ft.)
End of street segment elevation =   778.700(Ft.)
Length of street segment  =   925.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  18.000(Ft.)
Distance from crown to crossfall grade break  =  16.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [1] side(s) of the street
Distance from curb to property line  =  10.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   2.000(Ft.)
Gutter hike from flowline =  1.500(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =     10.617(CFS)
Depth of flow =   0.290(Ft.), Average velocity =   9.313(Ft/s)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  10.271(Ft.)
Flow velocity =   9.31(Ft/s)
Travel time =    1.66 min.     TC =   11.40  min.
 Adding area flow to street
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.790
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.500; Impervious fraction =  0.500
Rainfall intensity =      1.862(In/Hr) for a    10.0 year storm
Subarea runoff =      6.872(CFS) for      4.670(Ac.)
Total runoff =     14.009(CFS)    Total area =       9.080(Ac.)
Street flow at end of street =     14.009(CFS)
Half street flow at end of street =     14.009(CFS)
Depth of flow =   0.315(Ft.), Average velocity =   9.949(Ft/s)
Flow width (from curb towards crown)=  11.503(Ft.)


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Process from Point/Station        4.300 to Point/Station        4.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
____________________________________________________________________________
Upstream point/station elevation =   778.700(Ft.)
Downstream point/station elevation =   777.700(Ft.)
Pipe length  =    70.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    14.009(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    14.009(CFS)
Normal flow depth in pipe =   13.44(In.)
Flow top width inside pipe =   20.16(In.)
Critical Depth =   16.69(In.)
Pipe flow velocity =      8.62(Ft/s)
Travel time through pipe =    0.14 min.
Time of concentration (TC) =    11.54 min.


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Process from Point/Station        4.000 to Point/Station        4.000
**** CONFLUENCE OF MAIN STREAMS ****
____________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      9.080(Ac.)
Runoff from this stream =     14.009(CFS)
Time of concentration =   11.54 min.
Rainfall intensity =     1.850(In/Hr)
Summary of stream data:

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


1       14.136     12.97           1.734
2       14.009     11.54           1.850
Largest stream flow has longer time of concentration
Qp =     14.136 + sum of
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          Qb         Ia/Ib
          14.009 *    0.938 =     13.135
Qp =     27.271

Total of 2 main streams to confluence:
Flow rates before confluence point:
      14.136      14.009
Area of streams before confluence:
        9.610        9.080


Results of confluence:
Total flow rate =     27.271(CFS)
Time of concentration =    12.970 min.
Effective stream area after confluence  =     18.690(Ac.)


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Process from Point/Station        4.000 to Point/Station        4.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
UNDEVELOPED (good cover) subarea
Runoff Coefficient = 0.709
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  74.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    12.97 min.
Rainfall intensity =      1.734(In/Hr) for a    10.0 year storm
Subarea runoff =      0.750(CFS) for      0.610(Ac.)
Total runoff =     28.020(CFS)    Total area =      19.300(Ac.)
End of computations, total study area =           19.30 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.516
Area averaged RI index number =  69.2
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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 03/16/22  File:AA.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

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

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

------------------------------------------------------------------------
PROPOASED HYDROLOGY STUDY
SADDLE HORN, TTM# 38171, CITY OF JURUPA VALLEY,CA
100-YEAR STORM
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

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

2 year, 1 hour precipitation =  0.500(In.)
100 year, 1 hour precipitation =  1.100(In.)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity =  1.100(In/Hr)
Slope of intensity duration curve = 0.5500

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        1.000 to Point/Station        2.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =  1000.000(Ft.)
Top (of initial area) elevation =   927.000(Ft.)
Bottom (of initial area) elevation =   846.350(Ft.)
Difference in elevation =    80.650(Ft.)
Slope =    0.08065  s(percent)=       8.06
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   10.227 min.
Rainfall intensity =      2.911(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.865
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Initial subarea runoff =     12.436(CFS)
Total initial stream area =        4.940(Ac.)
Pervious area fraction = 0.500

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Process from Point/Station        2.000 to Point/Station        3.000
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of street segment elevation =   846.350(Ft.)
End of street segment elevation =   778.700(Ft.)
Length of street segment  =  1043.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  18.000(Ft.)
Distance from crown to crossfall grade break  =  16.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [1] side(s) of the street
Distance from curb to property line  =  10.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   2.000(Ft.)
Gutter hike from flowline =  1.500(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =     17.692(CFS)
Depth of flow =   0.391(Ft.), Average velocity =   7.272(Ft/s)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  15.323(Ft.)
Flow velocity =   7.27(Ft/s)
Travel time =    2.39 min.     TC =   12.62  min.
 Adding area flow to street
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.861
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Rainfall intensity =      2.593(In/Hr) for a   100.0 year storm
Subarea runoff =     10.427(CFS) for      4.670(Ac.)
Total runoff =     22.863(CFS)     Total area =       9.610(Ac.)
Street flow at end of street =     22.863(CFS)
Half street flow at end of street =     22.863(CFS)
Depth of flow =   0.424(Ft.), Average velocity =   7.744(Ft/s)
Flow width (from curb towards crown)=  16.934(Ft.)


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Process from Point/Station        3.000 to Point/Station        4.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =   778.700(Ft.)
Downstream point/station elevation =   777.700(Ft.)
Pipe length  =    38.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    22.863(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    22.863(CFS)
Normal flow depth in pipe =   15.42(In.)
Flow top width inside pipe =   18.55(In.)
Critical Depth =   19.84(In.)
Pipe flow velocity =     12.08(Ft/s)
Travel time through pipe =    0.05 min.
Time of concentration (TC) =    12.67 min.
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Process from Point/Station        4.000 to Point/Station        4.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =      9.610(Ac.)
Runoff from this stream =     22.863(CFS)
Time of concentration =   12.67 min.
Rainfall intensity =     2.587(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.100 to Point/Station        4.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   932.000(Ft.)
Top (of initial area) elevation =   921.000(Ft.)
Bottom (of initial area) elevation =   837.900(Ft.)
Difference in elevation =    83.100(Ft.)
Slope =    0.08916  s(percent)=       8.92
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.745 min.
Rainfall intensity =      2.989(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.866
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Initial subarea runoff =     11.412(CFS)
Total initial stream area =        4.410(Ac.)
Pervious area fraction = 0.500


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Process from Point/Station        4.200 to Point/Station        4.300
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
______________________________________________________________________________
Top of street segment elevation =   937.900(Ft.)
End of street segment elevation =   778.700(Ft.)
Length of street segment  =   925.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  18.000(Ft.)
Distance from crown to crossfall grade break  =  16.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [1] side(s) of the street
Distance from curb to property line  =  10.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   2.000(Ft.)
Gutter hike from flowline =  1.500(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =     17.016(CFS)
Depth of flow =   0.334(Ft.), Average velocity =  10.424(Ft/s)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  12.439(Ft.)
Flow velocity =  10.42(Ft/s)
Travel time =    1.48 min.     TC =   11.22  min.
 Adding area flow to street
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.863
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Rainfall intensity =      2.766(In/Hr) for a   100.0 year storm
Subarea runoff =     11.148(CFS) for      4.670(Ac.)
Total runoff =     22.560(CFS)    Total area =       9.080(Ac.)
Street flow at end of street =     22.560(CFS)
Half street flow at end of street =     22.560(CFS)
Depth of flow =   0.363(Ft.), Average velocity =  11.160(Ft/s)
Flow width (from curb towards crown)=  13.916(Ft.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.300 to Point/Station        4.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =   778.700(Ft.)
Downstream point/station elevation =   777.700(Ft.)
Pipe length  =    70.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    22.560(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    22.560(CFS)
Normal flow depth in pipe =   16.76(In.)
Flow top width inside pipe =   22.03(In.)
Critical Depth =   20.31(In.)
Pipe flow velocity =      9.63(Ft/s)
Travel time through pipe =    0.12 min.
Time of concentration (TC) =    11.35 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.000 to Point/Station        4.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      9.080(Ac.)
Runoff from this stream =     22.560(CFS)
Time of concentration =   11.35 min.
Rainfall intensity =     2.749(In/Hr)
Summary of stream data:

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


1       22.863     12.67          2.587
2       22.560     11.35          2.749
```

```
Largest stream flow has longer time of concentration
Qp =     22.863 + sum of
           Qb         Ia/Ib
           22.560 *    0.941 =     21.231
Qp =     44.094

Total of 2 main streams to confluence:
Flow rates before confluence point:
      22.863      22.560
Area of streams before confluence:
        9.610        9.080


Results of confluence:
Total flow rate =     44.094(CFS)
Time of concentration =    12.670 min.
Effective stream area after confluence  =     18.690(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.000 to Point/Station        4.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
UNDEVELOPED (good cover) subarea
Runoff Coefficient = 0.838
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  87.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    12.67 min.
Rainfall intensity =      2.587(In/Hr) for a   100.0 year storm
Subarea runoff =      1.322(CFS) for      0.610(Ac.)
Total runoff =     45.416(CFS)    Total area =      19.300(Ac.)
End of computations, total study area =           19.30 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.516
Area averaged RI index number =  69.2
```

SECTION 4
BASIN STUDY

U n i t H y d r o g r a p h A n a l y s i s

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Study date 03/16/22 File: EXA242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

EXISTING UNIT HYDROGRAPH
2-YR 24HR STORM
TTM# 38171

Drainage Area = 19.30(Ac.) = 0.030 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 19.30(Ac.) = 0.030 Sq. Mi.
Length along longest watercourse = 2086.00(Ft.)
Length along longest watercourse measured to centroid = 991.64(Ft.)
Length along longest watercourse = 0.395 Mi.
Length along longest watercourse measured to centroid = 0.188 Mi.
Difference in elevation = 144.00(Ft.)
Slope along watercourse = 364.4871 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.087 Hr.
Lag time = 5.24 Min.
25% of lag time = 1.31 Min.
40% of lag time = 2.10 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
19.30	2.50	48.25

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
19.30	6.00	115.80

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.500(In)
Area Averaged 100-Year Rainfall = 6.000(In)

Point rain (area averaged) = 2.500(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.500(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
19.300	86.00	0.000

Total Area Entered = 19.30(Ac.)

RI AMC2	RI AMC-1	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
					Sum (F) =	0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	95.379	17.788	3.460
2	0.167	190.758	47.940	9.325
3	0.250	286.138	16.389	3.188
4	0.333	381.517	7.317	1.423
5	0.417	476.896	4.171	0.811
6	0.500	572.275	2.703	0.526
7	0.583	667.654	1.749	0.340
8	0.667	763.034	1.097	0.213
9	0.750	858.413	0.847	0.165
			Sum = 100.000	Sum= 19.451

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.020	(0.608)	0.018	0.002
2	0.17	0.07	0.020	(0.606)	0.018	0.002
3	0.25	0.07	0.020	(0.604)	0.018	0.002
4	0.33	0.10	0.030	(0.601)	0.027	0.003
5	0.42	0.10	0.030	(0.599)	0.027	0.003
6	0.50	0.10	0.030	(0.597)	0.027	0.003
7	0.58	0.10	0.030	(0.594)	0.027	0.003
8	0.67	0.10	0.030	(0.592)	0.027	0.003
9	0.75	0.10	0.030	(0.590)	0.027	0.003
10	0.83	0.13	0.040	(0.587)	0.036	0.004
11	0.92	0.13	0.040	(0.585)	0.036	0.004
12	1.00	0.13	0.040	(0.583)	0.036	0.004
13	1.08	0.10	0.030	(0.580)	0.027	0.003
14	1.17	0.10	0.030	(0.578)	0.027	0.003
15	1.25	0.10	0.030	(0.576)	0.027	0.003
16	1.33	0.10	0.030	(0.573)	0.027	0.003
17	1.42	0.10	0.030	(0.571)	0.027	0.003
18	1.50	0.10	0.030	(0.569)	0.027	0.003
19	1.58	0.10	0.030	(0.567)	0.027	0.003
20	1.67	0.10	0.030	(0.564)	0.027	0.003
21	1.75	0.10	0.030	(0.562)	0.027	0.003
22	1.83	0.13	0.040	(0.560)	0.036	0.004
23	1.92	0.13	0.040	(0.558)	0.036	0.004
24	2.00	0.13	0.040	(0.555)	0.036	0.004
25	2.08	0.13	0.040	(0.553)	0.036	0.004
26	2.17	0.13	0.040	(0.551)	0.036	0.004
27	2.25	0.13	0.040	(0.549)	0.036	0.004
28	2.33	0.13	0.040	(0.546)	0.036	0.004
29	2.42	0.13	0.040	(0.544)	0.036	0.004
30	2.50	0.13	0.040	(0.542)	0.036	0.004
31	2.58	0.17	0.050	(0.540)	0.045	0.005
32	2.67	0.17	0.050	(0.537)	0.045	0.005
33	2.75	0.17	0.050	(0.535)	0.045	0.005
34	2.83	0.17	0.050	(0.533)	0.045	0.005
35	2.92	0.17	0.050	(0.531)	0.045	0.005
36	3.00	0.17	0.050	(0.529)	0.045	0.005

37	3.08	0.17	0.050	(0.526)	0.045	0.005
38	3.17	0.17	0.050	(0.524)	0.045	0.005
39	3.25	0.17	0.050	(0.522)	0.045	0.005
40	3.33	0.17	0.050	(0.520)	0.045	0.005
41	3.42	0.17	0.050	(0.518)	0.045	0.005
42	3.50	0.17	0.050	(0.516)	0.045	0.005
43	3.58	0.17	0.050	(0.513)	0.045	0.005
44	3.67	0.17	0.050	(0.511)	0.045	0.005
45	3.75	0.17	0.050	(0.509)	0.045	0.005
46	3.83	0.20	0.060	(0.507)	0.054	0.006
47	3.92	0.20	0.060	(0.505)	0.054	0.006
48	4.00	0.20	0.060	(0.503)	0.054	0.006
49	4.08	0.20	0.060	(0.501)	0.054	0.006
50	4.17	0.20	0.060	(0.498)	0.054	0.006
51	4.25	0.20	0.060	(0.496)	0.054	0.006
52	4.33	0.23	0.070	(0.494)	0.063	0.007
53	4.42	0.23	0.070	(0.492)	0.063	0.007
54	4.50	0.23	0.070	(0.490)	0.063	0.007
55	4.58	0.23	0.070	(0.488)	0.063	0.007
56	4.67	0.23	0.070	(0.486)	0.063	0.007
57	4.75	0.23	0.070	(0.484)	0.063	0.007
58	4.83	0.27	0.080	(0.482)	0.072	0.008
59	4.92	0.27	0.080	(0.480)	0.072	0.008
60	5.00	0.27	0.080	(0.477)	0.072	0.008
61	5.08	0.20	0.060	(0.475)	0.054	0.006
62	5.17	0.20	0.060	(0.473)	0.054	0.006
63	5.25	0.20	0.060	(0.471)	0.054	0.006
64	5.33	0.23	0.070	(0.469)	0.063	0.007
65	5.42	0.23	0.070	(0.467)	0.063	0.007
66	5.50	0.23	0.070	(0.465)	0.063	0.007
67	5.58	0.27	0.080	(0.463)	0.072	0.008
68	5.67	0.27	0.080	(0.461)	0.072	0.008
69	5.75	0.27	0.080	(0.459)	0.072	0.008
70	5.83	0.27	0.080	(0.457)	0.072	0.008
71	5.92	0.27	0.080	(0.455)	0.072	0.008
72	6.00	0.27	0.080	(0.453)	0.072	0.008
73	6.08	0.30	0.090	(0.451)	0.081	0.009
74	6.17	0.30	0.090	(0.449)	0.081	0.009
75	6.25	0.30	0.090	(0.447)	0.081	0.009
76	6.33	0.30	0.090	(0.445)	0.081	0.009
77	6.42	0.30	0.090	(0.443)	0.081	0.009
78	6.50	0.30	0.090	(0.441)	0.081	0.009
79	6.58	0.33	0.100	(0.439)	0.090	0.010
80	6.67	0.33	0.100	(0.437)	0.090	0.010
81	6.75	0.33	0.100	(0.435)	0.090	0.010
82	6.83	0.33	0.100	(0.433)	0.090	0.010
83	6.92	0.33	0.100	(0.431)	0.090	0.010
84	7.00	0.33	0.100	(0.429)	0.090	0.010
85	7.08	0.33	0.100	(0.427)	0.090	0.010
86	7.17	0.33	0.100	(0.425)	0.090	0.010
87	7.25	0.33	0.100	(0.423)	0.090	0.010
88	7.33	0.37	0.110	(0.421)	0.099	0.011
89	7.42	0.37	0.110	(0.419)	0.099	0.011
90	7.50	0.37	0.110	(0.417)	0.099	0.011
91	7.58	0.40	0.120	(0.416)	0.108	0.012
92	7.67	0.40	0.120	(0.414)	0.108	0.012
93	7.75	0.40	0.120	(0.412)	0.108	0.012
94	7.83	0.43	0.130	(0.410)	0.117	0.013
95	7.92	0.43	0.130	(0.408)	0.117	0.013
96	8.00	0.43	0.130	(0.406)	0.117	0.013
97	8.08	0.50	0.150	(0.404)	0.135	0.015
98	8.17	0.50	0.150	(0.402)	0.135	0.015
99	8.25	0.50	0.150	(0.400)	0.135	0.015
100	8.33	0.50	0.150	(0.399)	0.135	0.015
101	8.42	0.50	0.150	(0.397)	0.135	0.015
102	8.50	0.50	0.150	(0.395)	0.135	0.015
103	8.58	0.53	0.160	(0.393)	0.144	0.016
104	8.67	0.53	0.160	(0.391)	0.144	0.016

105	8.75	0.53	0.160	(	0.389)	0.144	0.016
106	8.83	0.57	0.170	(	0.387)	0.153	0.017
107	8.92	0.57	0.170	(	0.386)	0.153	0.017
108	9.00	0.57	0.170	(	0.384)	0.153	0.017
109	9.08	0.63	0.190	(	0.382)	0.171	0.019
110	9.17	0.63	0.190	(	0.380)	0.171	0.019
111	9.25	0.63	0.190	(	0.378)	0.171	0.019
112	9.33	0.67	0.200	(	0.377)	0.180	0.020
113	9.42	0.67	0.200	(	0.375)	0.180	0.020
114	9.50	0.67	0.200	(	0.373)	0.180	0.020
115	9.58	0.70	0.210	(	0.371)	0.189	0.021
116	9.67	0.70	0.210	(	0.369)	0.189	0.021
117	9.75	0.70	0.210	(	0.368)	0.189	0.021
118	9.83	0.73	0.220	(	0.366)	0.198	0.022
119	9.92	0.73	0.220	(	0.364)	0.198	0.022
120	10.00	0.73	0.220	(	0.362)	0.198	0.022
121	10.08	0.50	0.150	(	0.361)	0.135	0.015
122	10.17	0.50	0.150	(	0.359)	0.135	0.015
123	10.25	0.50	0.150	(	0.357)	0.135	0.015
124	10.33	0.50	0.150	(	0.355)	0.135	0.015
125	10.42	0.50	0.150	(	0.354)	0.135	0.015
126	10.50	0.50	0.150	(	0.352)	0.135	0.015
127	10.58	0.67	0.200	(	0.350)	0.180	0.020
128	10.67	0.67	0.200	(	0.348)	0.180	0.020
129	10.75	0.67	0.200	(	0.347)	0.180	0.020
130	10.83	0.67	0.200	(	0.345)	0.180	0.020
131	10.92	0.67	0.200	(	0.343)	0.180	0.020
132	11.00	0.67	0.200	(	0.342)	0.180	0.020
133	11.08	0.63	0.190	(	0.340)	0.171	0.019
134	11.17	0.63	0.190	(	0.338)	0.171	0.019
135	11.25	0.63	0.190	(	0.337)	0.171	0.019
136	11.33	0.63	0.190	(	0.335)	0.171	0.019
137	11.42	0.63	0.190	(	0.333)	0.171	0.019
138	11.50	0.63	0.190	(	0.332)	0.171	0.019
139	11.58	0.57	0.170	(	0.330)	0.153	0.017
140	11.67	0.57	0.170	(	0.328)	0.153	0.017
141	11.75	0.57	0.170	(	0.327)	0.153	0.017
142	11.83	0.60	0.180	(	0.325)	0.162	0.018
143	11.92	0.60	0.180	(	0.324)	0.162	0.018
144	12.00	0.60	0.180	(	0.322)	0.162	0.018
145	12.08	0.83	0.250	(	0.320)	0.225	0.025
146	12.17	0.83	0.250	(	0.319)	0.225	0.025
147	12.25	0.83	0.250	(	0.317)	0.225	0.025
148	12.33	0.87	0.260	(	0.316)	0.234	0.026
149	12.42	0.87	0.260	(	0.314)	0.234	0.026
150	12.50	0.87	0.260	(	0.312)	0.234	0.026
151	12.58	0.93	0.280	(	0.311)	0.252	0.028
152	12.67	0.93	0.280	(	0.309)	0.252	0.028
153	12.75	0.93	0.280	(	0.308)	0.252	0.028
154	12.83	0.97	0.290	(	0.306)	0.261	0.029
155	12.92	0.97	0.290	(	0.305)	0.261	0.029
156	13.00	0.97	0.290	(	0.303)	0.261	0.029
157	13.08	1.13	0.340		0.301	(0.306)	0.039
158	13.17	1.13	0.340		0.300	(0.306)	0.040
159	13.25	1.13	0.340		0.298	(0.306)	0.042
160	13.33	1.13	0.340		0.297	(0.306)	0.043
161	13.42	1.13	0.340		0.295	(0.306)	0.045
162	13.50	1.13	0.340		0.294	(0.306)	0.046
163	13.58	0.77	0.230	(	0.292)	0.207	0.023
164	13.67	0.77	0.230	(	0.291)	0.207	0.023
165	13.75	0.77	0.230	(	0.289)	0.207	0.023
166	13.83	0.77	0.230	(	0.288)	0.207	0.023
167	13.92	0.77	0.230	(	0.286)	0.207	0.023
168	14.00	0.77	0.230	(	0.285)	0.207	0.023
169	14.08	0.90	0.270	(	0.284)	0.243	0.027
170	14.17	0.90	0.270	(	0.282)	0.243	0.027
171	14.25	0.90	0.270	(	0.281)	0.243	0.027
172	14.33	0.87	0.260	(	0.279)	0.234	0.026

173	14.42	0.87	0.260	(0.278)	0.234	0.026
174	14.50	0.87	0.260	(0.276)	0.234	0.026
175	14.58	0.87	0.260	(0.275)	0.234	0.026
176	14.67	0.87	0.260	(0.274)	0.234	0.026
177	14.75	0.87	0.260	(0.272)	0.234	0.026
178	14.83	0.83	0.250	(0.271)	0.225	0.025
179	14.92	0.83	0.250	(0.269)	0.225	0.025
180	15.00	0.83	0.250	(0.268)	0.225	0.025
181	15.08	0.80	0.240	(0.267)	0.216	0.024
182	15.17	0.80	0.240	(0.265)	0.216	0.024
183	15.25	0.80	0.240	(0.264)	0.216	0.024
184	15.33	0.77	0.230	(0.263)	0.207	0.023
185	15.42	0.77	0.230	(0.261)	0.207	0.023
186	15.50	0.77	0.230	(0.260)	0.207	0.023
187	15.58	0.63	0.190	(0.259)	0.171	0.019
188	15.67	0.63	0.190	(0.257)	0.171	0.019
189	15.75	0.63	0.190	(0.256)	0.171	0.019
190	15.83	0.63	0.190	(0.255)	0.171	0.019
191	15.92	0.63	0.190	(0.253)	0.171	0.019
192	16.00	0.63	0.190	(0.252)	0.171	0.019
193	16.08	0.13	0.040	(0.251)	0.036	0.004
194	16.17	0.13	0.040	(0.249)	0.036	0.004
195	16.25	0.13	0.040	(0.248)	0.036	0.004
196	16.33	0.13	0.040	(0.247)	0.036	0.004
197	16.42	0.13	0.040	(0.246)	0.036	0.004
198	16.50	0.13	0.040	(0.244)	0.036	0.004
199	16.58	0.10	0.030	(0.243)	0.027	0.003
200	16.67	0.10	0.030	(0.242)	0.027	0.003
201	16.75	0.10	0.030	(0.241)	0.027	0.003
202	16.83	0.10	0.030	(0.239)	0.027	0.003
203	16.92	0.10	0.030	(0.238)	0.027	0.003
204	17.00	0.10	0.030	(0.237)	0.027	0.003
205	17.08	0.17	0.050	(0.236)	0.045	0.005
206	17.17	0.17	0.050	(0.235)	0.045	0.005
207	17.25	0.17	0.050	(0.233)	0.045	0.005
208	17.33	0.17	0.050	(0.232)	0.045	0.005
209	17.42	0.17	0.050	(0.231)	0.045	0.005
210	17.50	0.17	0.050	(0.230)	0.045	0.005
211	17.58	0.17	0.050	(0.229)	0.045	0.005
212	17.67	0.17	0.050	(0.228)	0.045	0.005
213	17.75	0.17	0.050	(0.227)	0.045	0.005
214	17.83	0.13	0.040	(0.225)	0.036	0.004
215	17.92	0.13	0.040	(0.224)	0.036	0.004
216	18.00	0.13	0.040	(0.223)	0.036	0.004
217	18.08	0.13	0.040	(0.222)	0.036	0.004
218	18.17	0.13	0.040	(0.221)	0.036	0.004
219	18.25	0.13	0.040	(0.220)	0.036	0.004
220	18.33	0.13	0.040	(0.219)	0.036	0.004
221	18.42	0.13	0.040	(0.218)	0.036	0.004
222	18.50	0.13	0.040	(0.217)	0.036	0.004
223	18.58	0.10	0.030	(0.216)	0.027	0.003
224	18.67	0.10	0.030	(0.215)	0.027	0.003
225	18.75	0.10	0.030	(0.214)	0.027	0.003
226	18.83	0.07	0.020	(0.213)	0.018	0.002
227	18.92	0.07	0.020	(0.212)	0.018	0.002
228	19.00	0.07	0.020	(0.211)	0.018	0.002
229	19.08	0.10	0.030	(0.210)	0.027	0.003
230	19.17	0.10	0.030	(0.209)	0.027	0.003
231	19.25	0.10	0.030	(0.208)	0.027	0.003
232	19.33	0.13	0.040	(0.207)	0.036	0.004
233	19.42	0.13	0.040	(0.206)	0.036	0.004
234	19.50	0.13	0.040	(0.205)	0.036	0.004
235	19.58	0.10	0.030	(0.204)	0.027	0.003
236	19.67	0.10	0.030	(0.203)	0.027	0.003
237	19.75	0.10	0.030	(0.202)	0.027	0.003
238	19.83	0.07	0.020	(0.201)	0.018	0.002
239	19.92	0.07	0.020	(0.200)	0.018	0.002
240	20.00	0.07	0.020	(0.199)	0.018	0.002

241	20.08	0.10	0.030	(0.198)	0.027	0.003
242	20.17	0.10	0.030	(0.197)	0.027	0.003
243	20.25	0.10	0.030	(0.197)	0.027	0.003
244	20.33	0.10	0.030	(0.196)	0.027	0.003
245	20.42	0.10	0.030	(0.195)	0.027	0.003
246	20.50	0.10	0.030	(0.194)	0.027	0.003
247	20.58	0.10	0.030	(0.193)	0.027	0.003
248	20.67	0.10	0.030	(0.192)	0.027	0.003
249	20.75	0.10	0.030	(0.192)	0.027	0.003
250	20.83	0.07	0.020	(0.191)	0.018	0.002
251	20.92	0.07	0.020	(0.190)	0.018	0.002
252	21.00	0.07	0.020	(0.189)	0.018	0.002
253	21.08	0.10	0.030	(0.189)	0.027	0.003
254	21.17	0.10	0.030	(0.188)	0.027	0.003
255	21.25	0.10	0.030	(0.187)	0.027	0.003
256	21.33	0.07	0.020	(0.186)	0.018	0.002
257	21.42	0.07	0.020	(0.186)	0.018	0.002
258	21.50	0.07	0.020	(0.185)	0.018	0.002
259	21.58	0.10	0.030	(0.184)	0.027	0.003
260	21.67	0.10	0.030	(0.184)	0.027	0.003
261	21.75	0.10	0.030	(0.183)	0.027	0.003
262	21.83	0.07	0.020	(0.182)	0.018	0.002
263	21.92	0.07	0.020	(0.182)	0.018	0.002
264	22.00	0.07	0.020	(0.181)	0.018	0.002
265	22.08	0.10	0.030	(0.181)	0.027	0.003
266	22.17	0.10	0.030	(0.180)	0.027	0.003
267	22.25	0.10	0.030	(0.179)	0.027	0.003
268	22.33	0.07	0.020	(0.179)	0.018	0.002
269	22.42	0.07	0.020	(0.178)	0.018	0.002
270	22.50	0.07	0.020	(0.178)	0.018	0.002
271	22.58	0.07	0.020	(0.177)	0.018	0.002
272	22.67	0.07	0.020	(0.177)	0.018	0.002
273	22.75	0.07	0.020	(0.176)	0.018	0.002
274	22.83	0.07	0.020	(0.176)	0.018	0.002
275	22.92	0.07	0.020	(0.175)	0.018	0.002
276	23.00	0.07	0.020	(0.175)	0.018	0.002
277	23.08	0.07	0.020	(0.175)	0.018	0.002
278	23.17	0.07	0.020	(0.174)	0.018	0.002
279	23.25	0.07	0.020	(0.174)	0.018	0.002
280	23.33	0.07	0.020	(0.173)	0.018	0.002
281	23.42	0.07	0.020	(0.173)	0.018	0.002
282	23.50	0.07	0.020	(0.173)	0.018	0.002
283	23.58	0.07	0.020	(0.173)	0.018	0.002
284	23.67	0.07	0.020	(0.172)	0.018	0.002
285	23.75	0.07	0.020	(0.172)	0.018	0.002
286	23.83	0.07	0.020	(0.172)	0.018	0.002
287	23.92	0.07	0.020	(0.172)	0.018	0.002
288	24.00	0.07	0.020	(0.172)	0.018	0.002

(Loss Rate Not Used)

Sum = 100.0 Sum = 3.0

Flood volume = Effective rainfall 0.25(In)
times area 19.3(Ac.)/[(In)/(Ft.)] = 0.4(Ac.Ft)
Total soil loss = 2.25(In)
Total soil loss = 3.612(Ac.Ft)
Total rainfall = 2.50(In)
Flood volume = 17805.6 Cubic Feet
Total soil loss = 157335.3 Cubic Feet

Peak flow rate of this hydrograph = 0.846(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m) Volume Ac.Ft Q(CFS) 0 2.5 5.0 7.5 10.0

0+ 5	0.0000	0.01	Q	|	|	|	|
0+10	0.0002	0.03	Q	|	|	|	|
0+15	0.0004	0.03	Q	|	|	|	|
0+20	0.0007	0.04	Q	|	|	|	|
0+25	0.0010	0.05	Q	|	|	|	|
0+30	0.0014	0.05	Q	|	|	|	|
0+35	0.0018	0.06	Q	|	|	|	|
0+40	0.0022	0.06	Q	|	|	|	|
0+45	0.0026	0.06	Q	|	|	|	|
0+50	0.0030	0.06	Q	|	|	|	|
0+55	0.0035	0.07	Q	|	|	|	|
1+ 0	0.0040	0.07	Q	|	|	|	|
1+ 5	0.0045	0.07	Q	|	|	|	|
1+10	0.0049	0.06	Q	|	|	|	|
1+15	0.0054	0.06	Q	|	|	|	|
1+20	0.0058	0.06	Q	|	|	|	|
1+25	0.0062	0.06	Q	|	|	|	|
1+30	0.0066	0.06	Q	|	|	|	|
1+35	0.0070	0.06	Q	|	|	|	|
1+40	0.0074	0.06	Q	|	|	|	|
1+45	0.0078	0.06	Q	|	|	|	|
1+50	0.0082	0.06	Q	|	|	|	|
1+55	0.0087	0.07	Q	|	|	|	|
2+ 0	0.0092	0.07	Q	|	|	|	|
2+ 5	0.0098	0.08	Q	|	|	|	|
2+10	0.0103	0.08	QV	|	|	|	|
2+15	0.0108	0.08	QV	|	|	|	|
2+20	0.0114	0.08	QV	|	|	|	|
2+25	0.0119	0.08	QV	|	|	|	|
2+30	0.0124	0.08	QV	|	|	|	|
2+35	0.0130	0.08	QV	|	|	|	|
2+40	0.0136	0.09	QV	|	|	|	|
2+45	0.0143	0.09	QV	|	|	|	|
2+50	0.0149	0.10	QV	|	|	|	|
2+55	0.0156	0.10	QV	|	|	|	|
3+ 0	0.0162	0.10	QV	|	|	|	|
3+ 5	0.0169	0.10	QV	|	|	|	|
3+10	0.0176	0.10	QV	|	|	|	|
3+15	0.0182	0.10	QV	|	|	|	|
3+20	0.0189	0.10	QV	|	|	|	|
3+25	0.0196	0.10	QV	|	|	|	|
3+30	0.0203	0.10	QV	|	|	|	|
3+35	0.0209	0.10	Q V	|	|	|	|
3+40	0.0216	0.10	Q V	|	|	|	|
3+45	0.0223	0.10	Q V	|	|	|	|
3+50	0.0230	0.10	Q V	|	|	|	|
3+55	0.0237	0.11	Q V	|	|	|	|
4+ 0	0.0245	0.11	Q V	|	|	|	|
4+ 5	0.0253	0.11	Q V	|	|	|	|
4+10	0.0261	0.12	Q V	|	|	|	|
4+15	0.0269	0.12	Q V	|	|	|	|
4+20	0.0277	0.12	Q V	|	|	|	|
4+25	0.0286	0.13	Q V	|	|	|	|
4+30	0.0295	0.13	Q V	|	|	|	|
4+35	0.0304	0.13	Q V	|	|	|	|
4+40	0.0314	0.13	Q V	|	|	|	|
4+45	0.0323	0.14	Q V	|	|	|	|
4+50	0.0333	0.14	Q V	|	|	|	|
4+55	0.0343	0.15	Q V	|	|	|	|
5+ 0	0.0353	0.15	Q V	|	|	|	|
5+ 5	0.0363	0.15	Q V	|	|	|	|
5+10	0.0372	0.13	Q V	|	|	|	|
5+15	0.0381	0.12	Q V	|	|	|	|
5+20	0.0389	0.12	Q V	|	|	|	|
5+25	0.0398	0.13	Q V	|	|	|	|
5+30	0.0408	0.13	Q V	|	|	|	|
5+35	0.0417	0.14	Q V	|	|	|	|

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 5+40      0.0427      0.15  Q   V     |          |          |          |
 5+45      0.0438      0.15  Q   V     |          |          |          |
 5+50      0.0448      0.15  Q   V     |          |          |          |
 5+55      0.0459      0.15  Q   V     |          |          |          |
 6+ 0      0.0470      0.15  Q   V     |          |          |          |
 6+ 5      0.0481      0.16  Q   V     |          |          |          |
 6+10      0.0492      0.17  Q   V     |          |          |          |
 6+15      0.0504      0.17  Q   V     |          |          |          |
 6+20      0.0516      0.17  Q    V    |          |          |          |
 6+25      0.0528      0.17  Q    V    |          |          |          |
 6+30      0.0540      0.17  Q    V    |          |          |          |
 6+35      0.0552      0.18  Q    V    |          |          |          |
 6+40      0.0565      0.19  Q    V    |          |          |          |
 6+45      0.0578      0.19  Q    V    |          |          |          |
 6+50      0.0592      0.19  Q    V    |          |          |          |
 6+55      0.0605      0.19  Q    V    |          |          |          |
 7+ 0      0.0618      0.19  Q     V   |          |          |          |
 7+ 5      0.0632      0.19  Q     V   |          |          |          |
 7+10      0.0645      0.19  Q     V   |          |          |          |
 7+15      0.0658      0.19  Q     V   |          |          |          |
 7+20      0.0672      0.20  Q     V   |          |          |          |
 7+25      0.0686      0.21  Q     V   |          |          |          |
 7+30      0.0701      0.21  Q     V   |          |          |          |
 7+35      0.0716      0.22  Q      V  |          |          |          |
 7+40      0.0731      0.23  Q      V  |          |          |          |
 7+45      0.0747      0.23  Q      V  |          |          |          |
 7+50      0.0763      0.23  Q      V  |          |          |          |
 7+55      0.0780      0.24  Q      V  |          |          |          |
 8+ 0      0.0797      0.25  Q      V  |          |          |          |
 8+ 5      0.0815      0.26  |Q     V  |          |          |          |
 8+10      0.0834      0.28  |Q      V |          |          |          |
 8+15      0.0853      0.28  |Q      V |          |          |          |
 8+20      0.0873      0.29  |Q      V |          |          |          |
 8+25      0.0893      0.29  |Q      V |          |          |          |
 8+30      0.0913      0.29  |Q      V |          |          |          |
 8+35      0.0933      0.29  |Q       V|          |          |          |
 8+40      0.0954      0.30  |Q       V|          |          |          |
 8+45      0.0976      0.31  |Q       V|          |          |          |
 8+50      0.0997      0.31  |Q       V|          |          |          |
 8+55      0.1019      0.32  |Q       V|          |          |          |
 9+ 0      0.1042      0.33  |Q        V          |          |          |
 9+ 5      0.1065      0.34  |Q        V          |          |          |
 9+10      0.1089      0.35  |Q        V          |          |          |
 9+15      0.1114      0.36  |Q        V          |          |          |
 9+20      0.1140      0.37  |Q        |V         |          |          |
 9+25      0.1166      0.38  |Q        |V         |          |          |
 9+30      0.1192      0.38  |Q        |V         |          |          |
 9+35      0.1219      0.39  |Q        |V         |          |          |
 9+40      0.1247      0.40  |Q        | V        |          |          |
 9+45      0.1275      0.40  |Q        | V        |          |          |
 9+50      0.1303      0.41  |Q        | V        |          |          |
 9+55      0.1332      0.42  |Q        |  V       |          |          |
10+ 0      0.1361      0.42  |Q        |  V       |          |          |
10+ 5      0.1389      0.40  |Q        |  V       |          |          |
10+10      0.1412      0.34  |Q        |  V       |          |          |
10+15      0.1434      0.32  |Q        |   V      |          |          |
10+20      0.1455      0.31  |Q        |   V      |          |          |
10+25      0.1475      0.30  |Q        |   V      |          |          |
10+30      0.1496      0.30  |Q        |   V      |          |          |
10+35      0.1517      0.31  |Q        |   V      |          |          |
10+40      0.1542      0.36  |Q        |    V     |          |          |
10+45      0.1568      0.37  |Q        |    V     |          |          |
10+50      0.1594      0.38  |Q        |    V     |          |          |
10+55      0.1620      0.38  |Q        |    V     |          |          |
11+ 0      0.1647      0.39  |Q        |     V    |          |          |
11+ 5      0.1673      0.38  |Q        |     V    |          |          |
11+10      0.1699      0.38  |Q        |     V    |          |          |
11+15      0.1725      0.37  |Q        |     V    |          |          |
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11+20       0.1750      0.37  |Q        |      V  |         |         |
11+25       0.1776      0.37  |Q        |      V  |         |         |
11+30       0.1801      0.37  |Q        |      V  |         |         |
11+35       0.1826      0.36  |Q        |      V  |         |         |
11+40       0.1850      0.34  |Q        |       V |         |         |
11+45       0.1873      0.34  |Q        |       V |         |         |
11+50       0.1897      0.34  |Q        |       V |         |         |
11+55       0.1920      0.35  |Q        |       V |         |         |
12+ 0       0.1944      0.35  |Q        |        V|         |         |
12+ 5       0.1970      0.37  |Q        |        V|         |         |
12+10       0.2000      0.44  |Q        |        V|         |         |
12+15       0.2032      0.46  |Q        |        V|         |         |
12+20       0.2065      0.48  |Q        |         V         |         |
12+25       0.2099      0.49  |Q        |         V         |         |
12+30       0.2133      0.50  |Q        |         V         |         |
12+35       0.2168      0.51  | Q       |         |V        |         |
12+40       0.2204      0.53  | Q       |         |V        |         |
12+45       0.2241      0.54  | Q       |         |V        |         |
12+50       0.2279      0.54  | Q       |         | V       |         |
12+55       0.2317      0.56  | Q       |         | V       |         |
13+ 0       0.2355      0.56  | Q       |         |  V      |         |
13+ 5       0.2396      0.59  | Q       |         |  V      |         |
13+10       0.2444      0.69  | Q       |         |  V      |         |
13+15       0.2495      0.74  | Q       |         |   V     |         |
13+20       0.2549      0.78  |  Q      |         |   V     |         |
13+25       0.2605      0.81  |  Q      |         |    V    |         |
13+30       0.2663      0.85  |  Q      |         |     V   |         |
13+35       0.2717      0.79  |  Q      |         |     V   |         |
13+40       0.2758      0.59  | Q       |         |     V   |         |
13+45       0.2794      0.52  | Q       |         |      V  |         |
13+50       0.2828      0.49  |Q        |         |      V  |         |
13+55       0.2860      0.47  |Q        |         |      V  |         |
14+ 0       0.2892      0.46  |Q        |         |       V |         |
14+ 5       0.2925      0.47  |Q        |         |       V |         |
14+10       0.2959      0.50  | Q       |         |       V |         |
14+15       0.2994      0.51  | Q       |         |        V|         |
14+20       0.3030      0.51  | Q       |         |        V|         |
14+25       0.3065      0.51  | Q       |         |        V|         |
14+30       0.3100      0.51  | Q       |         |         V         |
14+35       0.3135      0.51  | Q       |         |         V         |
14+40       0.3169      0.51  | Q       |         |         |V        |
14+45       0.3204      0.51  | Q       |         |         |V        |
14+50       0.3239      0.50  | Q       |         |         |V        |
14+55       0.3273      0.49  |Q        |         |         | V       |
15+ 0       0.3307      0.49  |Q        |         |         | V       |
15+ 5       0.3340      0.49  |Q        |         |         | V       |
15+10       0.3373      0.47  |Q        |         |         |  V      |
15+15       0.3405      0.47  |Q        |         |         |  V      |
15+20       0.3437      0.47  |Q        |         |         |  V      |
15+25       0.3469      0.46  |Q        |         |         |  V      |
15+30       0.3500      0.45  |Q        |         |         |   V     |
15+35       0.3530      0.44  |Q        |         |         |   V     |
15+40       0.3557      0.40  |Q        |         |         |   V     |
15+45       0.3584      0.38  |Q        |         |         |    V    |
15+50       0.3610      0.38  |Q        |         |         |    V    |
15+55       0.3636      0.37  |Q        |         |         |    V    |
16+ 0       0.3661      0.37  |Q        |         |         |    V    |
16+ 5       0.3683      0.32  |Q        |         |         |     V   |
16+10       0.3696      0.18  Q         |         |         |     V   |
16+15       0.3705      0.13  Q         |         |         |     V   |
16+20       0.3712      0.11  Q         |         |         |     V   |
16+25       0.3719      0.10  Q         |         |         |     V   |
16+30       0.3725      0.09  Q         |         |         |     V   |
16+35       0.3730      0.08  Q         |         |         |     V   |
16+40       0.3735      0.07  Q         |         |         |     V   |
16+45       0.3739      0.06  Q         |         |         |     V   |
16+50       0.3743      0.06  Q         |         |         |     V   |
16+55       0.3747      0.06  Q         |         |         |     V   |
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17+ 0	0.3752	0.06	Q	|	|	|	V |
17+ 5	0.3756	0.07	Q	|	|	|	V |
17+10	0.3762	0.08	Q	|	|	|	V |
17+15	0.3768	0.09	Q	|	|	|	V |
17+20	0.3774	0.09	Q	|	|	|	V |
17+25	0.3781	0.09	Q	|	|	|	V |
17+30	0.3788	0.10	Q	|	|	|	V |
17+35	0.3794	0.10	Q	|	|	|	V |
17+40	0.3801	0.10	Q	|	|	|	V |
17+45	0.3808	0.10	Q	|	|	|	V |
17+50	0.3814	0.09	Q	|	|	|	V |
17+55	0.3820	0.08	Q	|	|	|	V |
18+ 0	0.3826	0.08	Q	|	|	|	V |
18+ 5	0.3831	0.08	Q	|	|	|	V |
18+10	0.3836	0.08	Q	|	|	|	V |
18+15	0.3842	0.08	Q	|	|	|	V |
18+20	0.3847	0.08	Q	|	|	|	V |
18+25	0.3853	0.08	Q	|	|	|	V |
18+30	0.3858	0.08	Q	|	|	|	V |
18+35	0.3863	0.07	Q	|	|	|	V |
18+40	0.3868	0.07	Q	|	|	|	V |
18+45	0.3872	0.06	Q	|	|	|	V |
18+50	0.3876	0.06	Q	|	|	|	V |
18+55	0.3879	0.05	Q	|	|	|	V |
19+ 0	0.3882	0.04	Q	|	|	|	V |
19+ 5	0.3885	0.04	Q	|	|	|	V |
19+10	0.3889	0.05	Q	|	|	|	V |
19+15	0.3893	0.06	Q	|	|	|	V |
19+20	0.3897	0.06	Q	|	|	|	V |
19+25	0.3902	0.07	Q	|	|	|	V |
19+30	0.3907	0.07	Q	|	|	|	V |
19+35	0.3912	0.07	Q	|	|	|	V |
19+40	0.3916	0.06	Q	|	|	|	V |
19+45	0.3920	0.06	Q	|	|	|	V |
19+50	0.3924	0.06	Q	|	|	|	V |
19+55	0.3927	0.05	Q	|	|	|	V |
20+ 0	0.3930	0.04	Q	|	|	|	V |
20+ 5	0.3933	0.04	Q	|	|	|	V |
20+10	0.3937	0.05	Q	|	|	|	V |
20+15	0.3941	0.06	Q	|	|	|	V |
20+20	0.3945	0.06	Q	|	|	|	V |
20+25	0.3949	0.06	Q	|	|	|	V |
20+30	0.3953	0.06	Q	|	|	|	V |
20+35	0.3957	0.06	Q	|	|	|	V |
20+40	0.3961	0.06	Q	|	|	|	V |
20+45	0.3965	0.06	Q	|	|	|	V |
20+50	0.3968	0.05	Q	|	|	|	V |
20+55	0.3972	0.05	Q	|	|	|	V |
21+ 0	0.3975	0.04	Q	|	|	|	V |
21+ 5	0.3978	0.04	Q	|	|	|	V |
21+10	0.3981	0.05	Q	|	|	|	V |
21+15	0.3985	0.06	Q	|	|	|	V |
21+20	0.3989	0.05	Q	|	|	|	V|
21+25	0.3992	0.04	Q	|	|	|	V|
21+30	0.3995	0.04	Q	|	|	|	V|
21+35	0.3998	0.04	Q	|	|	|	V|
21+40	0.4001	0.05	Q	|	|	|	V|
21+45	0.4005	0.06	Q	|	|	|	V|
21+50	0.4009	0.05	Q	|	|	|	V|
21+55	0.4012	0.04	Q	|	|	|	V|
22+ 0	0.4015	0.04	Q	|	|	|	V|
22+ 5	0.4018	0.04	Q	|	|	|	V|
22+10	0.4021	0.05	Q	|	|	|	V|
22+15	0.4025	0.06	Q	|	|	|	V|
22+20	0.4029	0.05	Q	|	|	|	V|
22+25	0.4032	0.04	Q	|	|	|	V|
22+30	0.4035	0.04	Q	|	|	|	V|
22+35	0.4038	0.04	Q	|	|	|	V|

```
   22+40       0.4040      0.04  Q         |          |          |         V|
   22+45       0.4043      0.04  Q         |          |          |         V|
   22+50       0.4046      0.04  Q         |          |          |         V|
   22+55       0.4049      0.04  Q         |          |          |         V|
   23+ 0       0.4051      0.04  Q         |          |          |         V|
   23+ 5       0.4054      0.04  Q         |          |          |         V|
   23+10       0.4057      0.04  Q         |          |          |         V|
   23+15       0.4059      0.04  Q         |          |          |         V|
   23+20       0.4062      0.04  Q         |          |          |         V|
   23+25       0.4065      0.04  Q         |          |          |         V|
   23+30       0.4067      0.04  Q         |          |          |         V|
   23+35       0.4070      0.04  Q         |          |          |         V|
   23+40       0.4073      0.04  Q         |          |          |         V|
   23+45       0.4075      0.04  Q         |          |          |         V|
   23+50       0.4078      0.04  Q         |          |          |         V|
   23+55       0.4081      0.04  Q         |          |          |         V|
   24+ 0       0.4083      0.04  Q         |          |          |         V|
   24+ 5       0.4086      0.03  Q         |          |          |         V|
   24+10       0.4086      0.01  Q         |          |          |         V|
   24+15       0.4087      0.01  Q         |          |          |         V|
   24+20       0.4087      0.00  Q         |          |          |         V|
   24+25       0.4087      0.00  Q         |          |          |         V|
   24+30       0.4088      0.00  Q         |          |          |         V|
   24+35       0.4088      0.00  Q         |          |          |         V|
   24+40       0.4088      0.00  Q         |          |          |          V
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 03/08/22 File: PROA242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

PROPOSED UNIT HYDROGRAPH
2-YEAR 24HR STORM
TT# 38171

Drainage Area = 19.30(Ac.) = 0.030 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 19.30(Ac.) = 0.030 Sq. Mi.
Length along longest watercourse = 2170.00(Ft.)
Length along longest watercourse measured to centroid = 1070.00(Ft.)
Length along longest watercourse = 0.411 Mi.
Length along longest watercourse measured to centroid = 0.203 Mi.
Difference in elevation = 149.30(Ft.)
Slope along watercourse = 363.2737 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.046 Hr.
Lag time = 2.74 Min.
25% of lag time = 0.69 Min.
40% of lag time = 1.10 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
19.30	2.50	48.25

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
19.30	6.00	115.80

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.500(In)
Area Averaged 100-Year Rainfall = 6.000(In)

Point rain (area averaged) = 2.500(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.500(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
19.300	69.20	0.484

Total Area Entered = 19.30(Ac.)

RI AMC2	RI AMC-1	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

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      69.2  50.0      0.572     0.484        0.323       1.000      0.323
                                                          Sum (F) =   0.323
      Area averaged mean soil loss (F) (In/Hr) =  0.323
      Minimum soil loss rate ((In/Hr)) =  0.161
      (for 24 hour storm duration)
      Soil low loss rate (decimal) =   0.513
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083        182.449         40.198              7.819
          2   0.167        364.898         44.610              8.677
          3   0.250        547.348          9.547              1.857
          4   0.333        729.797          3.885              0.756
          5   0.417        912.246          1.760              0.342
                                    Sum = 100.000   Sum=      19.451
------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)          Max   |   Low         (In/Hr)
    1   0.08     0.07      0.020       (  0.572)       0.010        0.010
    2   0.17     0.07      0.020       (  0.570)       0.010        0.010
    3   0.25     0.07      0.020       (  0.567)       0.010        0.010
    4   0.33     0.10      0.030       (  0.565)       0.015        0.015
    5   0.42     0.10      0.030       (  0.563)       0.015        0.015
    6   0.50     0.10      0.030       (  0.561)       0.015        0.015
    7   0.58     0.10      0.030       (  0.559)       0.015        0.015
    8   0.67     0.10      0.030       (  0.557)       0.015        0.015
    9   0.75     0.10      0.030       (  0.554)       0.015        0.015
   10   0.83     0.13      0.040       (  0.552)       0.021        0.019
   11   0.92     0.13      0.040       (  0.550)       0.021        0.019
   12   1.00     0.13      0.040       (  0.548)       0.021        0.019
   13   1.08     0.10      0.030       (  0.546)       0.015        0.015
   14   1.17     0.10      0.030       (  0.543)       0.015        0.015
   15   1.25     0.10      0.030       (  0.541)       0.015        0.015
   16   1.33     0.10      0.030       (  0.539)       0.015        0.015
   17   1.42     0.10      0.030       (  0.537)       0.015        0.015
   18   1.50     0.10      0.030       (  0.535)       0.015        0.015
   19   1.58     0.10      0.030       (  0.533)       0.015        0.015
   20   1.67     0.10      0.030       (  0.531)       0.015        0.015
   21   1.75     0.10      0.030       (  0.528)       0.015        0.015
   22   1.83     0.13      0.040       (  0.526)       0.021        0.019
   23   1.92     0.13      0.040       (  0.524)       0.021        0.019
   24   2.00     0.13      0.040       (  0.522)       0.021        0.019
   25   2.08     0.13      0.040       (  0.520)       0.021        0.019
   26   2.17     0.13      0.040       (  0.518)       0.021        0.019
   27   2.25     0.13      0.040       (  0.516)       0.021        0.019
   28   2.33     0.13      0.040       (  0.514)       0.021        0.019
   29   2.42     0.13      0.040       (  0.512)       0.021        0.019
   30   2.50     0.13      0.040       (  0.510)       0.021        0.019
   31   2.58     0.17      0.050       (  0.507)       0.026        0.024
   32   2.67     0.17      0.050       (  0.505)       0.026        0.024
   33   2.75     0.17      0.050       (  0.503)       0.026        0.024
   34   2.83     0.17      0.050       (  0.501)       0.026        0.024
   35   2.92     0.17      0.050       (  0.499)       0.026        0.024
   36   3.00     0.17      0.050       (  0.497)       0.026        0.024
   37   3.08     0.17      0.050       (  0.495)       0.026        0.024
   38   3.17     0.17      0.050       (  0.493)       0.026        0.024
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39	3.25	0.17	0.050	(0.491)	0.026	0.024
40	3.33	0.17	0.050	(0.489)	0.026	0.024
41	3.42	0.17	0.050	(0.487)	0.026	0.024
42	3.50	0.17	0.050	(0.485)	0.026	0.024
43	3.58	0.17	0.050	(0.483)	0.026	0.024
44	3.67	0.17	0.050	(0.481)	0.026	0.024
45	3.75	0.17	0.050	(0.479)	0.026	0.024
46	3.83	0.20	0.060	(0.477)	0.031	0.029
47	3.92	0.20	0.060	(0.475)	0.031	0.029
48	4.00	0.20	0.060	(0.473)	0.031	0.029
49	4.08	0.20	0.060	(0.471)	0.031	0.029
50	4.17	0.20	0.060	(0.469)	0.031	0.029
51	4.25	0.20	0.060	(0.467)	0.031	0.029
52	4.33	0.23	0.070	(0.465)	0.036	0.034
53	4.42	0.23	0.070	(0.463)	0.036	0.034
54	4.50	0.23	0.070	(0.461)	0.036	0.034
55	4.58	0.23	0.070	(0.459)	0.036	0.034
56	4.67	0.23	0.070	(0.457)	0.036	0.034
57	4.75	0.23	0.070	(0.455)	0.036	0.034
58	4.83	0.27	0.080	(0.453)	0.041	0.039
59	4.92	0.27	0.080	(0.451)	0.041	0.039
60	5.00	0.27	0.080	(0.449)	0.041	0.039
61	5.08	0.20	0.060	(0.447)	0.031	0.029
62	5.17	0.20	0.060	(0.445)	0.031	0.029
63	5.25	0.20	0.060	(0.443)	0.031	0.029
64	5.33	0.23	0.070	(0.441)	0.036	0.034
65	5.42	0.23	0.070	(0.439)	0.036	0.034
66	5.50	0.23	0.070	(0.437)	0.036	0.034
67	5.58	0.27	0.080	(0.435)	0.041	0.039
68	5.67	0.27	0.080	(0.433)	0.041	0.039
69	5.75	0.27	0.080	(0.432)	0.041	0.039
70	5.83	0.27	0.080	(0.430)	0.041	0.039
71	5.92	0.27	0.080	(0.428)	0.041	0.039
72	6.00	0.27	0.080	(0.426)	0.041	0.039
73	6.08	0.30	0.090	(0.424)	0.046	0.044
74	6.17	0.30	0.090	(0.422)	0.046	0.044
75	6.25	0.30	0.090	(0.420)	0.046	0.044
76	6.33	0.30	0.090	(0.418)	0.046	0.044
77	6.42	0.30	0.090	(0.416)	0.046	0.044
78	6.50	0.30	0.090	(0.415)	0.046	0.044
79	6.58	0.33	0.100	(0.413)	0.051	0.049
80	6.67	0.33	0.100	(0.411)	0.051	0.049
81	6.75	0.33	0.100	(0.409)	0.051	0.049
82	6.83	0.33	0.100	(0.407)	0.051	0.049
83	6.92	0.33	0.100	(0.405)	0.051	0.049
84	7.00	0.33	0.100	(0.403)	0.051	0.049
85	7.08	0.33	0.100	(0.402)	0.051	0.049
86	7.17	0.33	0.100	(0.400)	0.051	0.049
87	7.25	0.33	0.100	(0.398)	0.051	0.049
88	7.33	0.37	0.110	(0.396)	0.056	0.054
89	7.42	0.37	0.110	(0.394)	0.056	0.054
90	7.50	0.37	0.110	(0.393)	0.056	0.054
91	7.58	0.40	0.120	(0.391)	0.062	0.058
92	7.67	0.40	0.120	(0.389)	0.062	0.058
93	7.75	0.40	0.120	(0.387)	0.062	0.058
94	7.83	0.43	0.130	(0.385)	0.067	0.063
95	7.92	0.43	0.130	(0.384)	0.067	0.063
96	8.00	0.43	0.130	(0.382)	0.067	0.063
97	8.08	0.50	0.150	(0.380)	0.077	0.073
98	8.17	0.50	0.150	(0.378)	0.077	0.073
99	8.25	0.50	0.150	(0.376)	0.077	0.073
100	8.33	0.50	0.150	(0.375)	0.077	0.073
101	8.42	0.50	0.150	(0.373)	0.077	0.073
102	8.50	0.50	0.150	(0.371)	0.077	0.073
103	8.58	0.53	0.160	(0.369)	0.082	0.078
104	8.67	0.53	0.160	(0.368)	0.082	0.078
105	8.75	0.53	0.160	(0.366)	0.082	0.078
106	8.83	0.57	0.170	(0.364)	0.087	0.083

107	8.92	0.57	0.170	(0.363)	0.087	0.083
108	9.00	0.57	0.170	(0.361)	0.087	0.083
109	9.08	0.63	0.190	(0.359)	0.097	0.093
110	9.17	0.63	0.190	(0.357)	0.097	0.093
111	9.25	0.63	0.190	(0.356)	0.097	0.093
112	9.33	0.67	0.200	(0.354)	0.103	0.097
113	9.42	0.67	0.200	(0.352)	0.103	0.097
114	9.50	0.67	0.200	(0.351)	0.103	0.097
115	9.58	0.70	0.210	(0.349)	0.108	0.102
116	9.67	0.70	0.210	(0.347)	0.108	0.102
117	9.75	0.70	0.210	(0.346)	0.108	0.102
118	9.83	0.73	0.220	(0.344)	0.113	0.107
119	9.92	0.73	0.220	(0.342)	0.113	0.107
120	10.00	0.73	0.220	(0.341)	0.113	0.107
121	10.08	0.50	0.150	(0.339)	0.077	0.073
122	10.17	0.50	0.150	(0.337)	0.077	0.073
123	10.25	0.50	0.150	(0.336)	0.077	0.073
124	10.33	0.50	0.150	(0.334)	0.077	0.073
125	10.42	0.50	0.150	(0.332)	0.077	0.073
126	10.50	0.50	0.150	(0.331)	0.077	0.073
127	10.58	0.67	0.200	(0.329)	0.103	0.097
128	10.67	0.67	0.200	(0.328)	0.103	0.097
129	10.75	0.67	0.200	(0.326)	0.103	0.097
130	10.83	0.67	0.200	(0.324)	0.103	0.097
131	10.92	0.67	0.200	(0.323)	0.103	0.097
132	11.00	0.67	0.200	(0.321)	0.103	0.097
133	11.08	0.63	0.190	(0.320)	0.097	0.093
134	11.17	0.63	0.190	(0.318)	0.097	0.093
135	11.25	0.63	0.190	(0.317)	0.097	0.093
136	11.33	0.63	0.190	(0.315)	0.097	0.093
137	11.42	0.63	0.190	(0.313)	0.097	0.093
138	11.50	0.63	0.190	(0.312)	0.097	0.093
139	11.58	0.57	0.170	(0.310)	0.087	0.083
140	11.67	0.57	0.170	(0.309)	0.087	0.083
141	11.75	0.57	0.170	(0.307)	0.087	0.083
142	11.83	0.60	0.180	(0.306)	0.092	0.088
143	11.92	0.60	0.180	(0.304)	0.092	0.088
144	12.00	0.60	0.180	(0.303)	0.092	0.088
145	12.08	0.83	0.250	(0.301)	0.128	0.122
146	12.17	0.83	0.250	(0.300)	0.128	0.122
147	12.25	0.83	0.250	(0.298)	0.128	0.122
148	12.33	0.87	0.260	(0.297)	0.133	0.127
149	12.42	0.87	0.260	(0.295)	0.133	0.127
150	12.50	0.87	0.260	(0.294)	0.133	0.127
151	12.58	0.93	0.280	(0.292)	0.144	0.136
152	12.67	0.93	0.280	(0.291)	0.144	0.136
153	12.75	0.93	0.280	(0.289)	0.144	0.136
154	12.83	0.97	0.290	(0.288)	0.149	0.141
155	12.92	0.97	0.290	(0.286)	0.149	0.141
156	13.00	0.97	0.290	(0.285)	0.149	0.141
157	13.08	1.13	0.340	(0.283)	0.174	0.166
158	13.17	1.13	0.340	(0.282)	0.174	0.166
159	13.25	1.13	0.340	(0.281)	0.174	0.166
160	13.33	1.13	0.340	(0.279)	0.174	0.166
161	13.42	1.13	0.340	(0.278)	0.174	0.166
162	13.50	1.13	0.340	(0.276)	0.174	0.166
163	13.58	0.77	0.230	(0.275)	0.118	0.112
164	13.67	0.77	0.230	(0.274)	0.118	0.112
165	13.75	0.77	0.230	(0.272)	0.118	0.112
166	13.83	0.77	0.230	(0.271)	0.118	0.112
167	13.92	0.77	0.230	(0.269)	0.118	0.112
168	14.00	0.77	0.230	(0.268)	0.118	0.112
169	14.08	0.90	0.270	(0.267)	0.138	0.132
170	14.17	0.90	0.270	(0.265)	0.138	0.132
171	14.25	0.90	0.270	(0.264)	0.138	0.132
172	14.33	0.87	0.260	(0.263)	0.133	0.127
173	14.42	0.87	0.260	(0.261)	0.133	0.127
174	14.50	0.87	0.260	(0.260)	0.133	0.127

175	14.58	0.87	0.260	(0.259)	0.133	0.127
176	14.67	0.87	0.260	(0.257)	0.133	0.127
177	14.75	0.87	0.260	(0.256)	0.133	0.127
178	14.83	0.83	0.250	(0.255)	0.128	0.122
179	14.92	0.83	0.250	(0.253)	0.128	0.122
180	15.00	0.83	0.250	(0.252)	0.128	0.122
181	15.08	0.80	0.240	(0.251)	0.123	0.117
182	15.17	0.80	0.240	(0.249)	0.123	0.117
183	15.25	0.80	0.240	(0.248)	0.123	0.117
184	15.33	0.77	0.230	(0.247)	0.118	0.112
185	15.42	0.77	0.230	(0.246)	0.118	0.112
186	15.50	0.77	0.230	(0.244)	0.118	0.112
187	15.58	0.63	0.190	(0.243)	0.097	0.093
188	15.67	0.63	0.190	(0.242)	0.097	0.093
189	15.75	0.63	0.190	(0.241)	0.097	0.093
190	15.83	0.63	0.190	(0.239)	0.097	0.093
191	15.92	0.63	0.190	(0.238)	0.097	0.093
192	16.00	0.63	0.190	(0.237)	0.097	0.093
193	16.08	0.13	0.040	(0.236)	0.021	0.019
194	16.17	0.13	0.040	(0.234)	0.021	0.019
195	16.25	0.13	0.040	(0.233)	0.021	0.019
196	16.33	0.13	0.040	(0.232)	0.021	0.019
197	16.42	0.13	0.040	(0.231)	0.021	0.019
198	16.50	0.13	0.040	(0.230)	0.021	0.019
199	16.58	0.10	0.030	(0.229)	0.015	0.015
200	16.67	0.10	0.030	(0.227)	0.015	0.015
201	16.75	0.10	0.030	(0.226)	0.015	0.015
202	16.83	0.10	0.030	(0.225)	0.015	0.015
203	16.92	0.10	0.030	(0.224)	0.015	0.015
204	17.00	0.10	0.030	(0.223)	0.015	0.015
205	17.08	0.17	0.050	(0.222)	0.026	0.024
206	17.17	0.17	0.050	(0.221)	0.026	0.024
207	17.25	0.17	0.050	(0.219)	0.026	0.024
208	17.33	0.17	0.050	(0.218)	0.026	0.024
209	17.42	0.17	0.050	(0.217)	0.026	0.024
210	17.50	0.17	0.050	(0.216)	0.026	0.024
211	17.58	0.17	0.050	(0.215)	0.026	0.024
212	17.67	0.17	0.050	(0.214)	0.026	0.024
213	17.75	0.17	0.050	(0.213)	0.026	0.024
214	17.83	0.13	0.040	(0.212)	0.021	0.019
215	17.92	0.13	0.040	(0.211)	0.021	0.019
216	18.00	0.13	0.040	(0.210)	0.021	0.019
217	18.08	0.13	0.040	(0.209)	0.021	0.019
218	18.17	0.13	0.040	(0.208)	0.021	0.019
219	18.25	0.13	0.040	(0.207)	0.021	0.019
220	18.33	0.13	0.040	(0.206)	0.021	0.019
221	18.42	0.13	0.040	(0.205)	0.021	0.019
222	18.50	0.13	0.040	(0.204)	0.021	0.019
223	18.58	0.10	0.030	(0.203)	0.015	0.015
224	18.67	0.10	0.030	(0.202)	0.015	0.015
225	18.75	0.10	0.030	(0.201)	0.015	0.015
226	18.83	0.07	0.020	(0.200)	0.010	0.010
227	18.92	0.07	0.020	(0.199)	0.010	0.010
228	19.00	0.07	0.020	(0.198)	0.010	0.010
229	19.08	0.10	0.030	(0.197)	0.015	0.015
230	19.17	0.10	0.030	(0.196)	0.015	0.015
231	19.25	0.10	0.030	(0.195)	0.015	0.015
232	19.33	0.13	0.040	(0.194)	0.021	0.019
233	19.42	0.13	0.040	(0.193)	0.021	0.019
234	19.50	0.13	0.040	(0.192)	0.021	0.019
235	19.58	0.10	0.030	(0.192)	0.015	0.015
236	19.67	0.10	0.030	(0.191)	0.015	0.015
237	19.75	0.10	0.030	(0.190)	0.015	0.015
238	19.83	0.07	0.020	(0.189)	0.010	0.010
239	19.92	0.07	0.020	(0.188)	0.010	0.010
240	20.00	0.07	0.020	(0.187)	0.010	0.010
241	20.08	0.10	0.030	(0.187)	0.015	0.015
242	20.17	0.10	0.030	(0.186)	0.015	0.015

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243  20.25     0.10      0.030       (  0.185)       0.015        0.015
244  20.33     0.10      0.030       (  0.184)       0.015        0.015
245  20.42     0.10      0.030       (  0.183)       0.015        0.015
246  20.50     0.10      0.030       (  0.183)       0.015        0.015
247  20.58     0.10      0.030       (  0.182)       0.015        0.015
248  20.67     0.10      0.030       (  0.181)       0.015        0.015
249  20.75     0.10      0.030       (  0.180)       0.015        0.015
250  20.83     0.07      0.020       (  0.179)       0.010        0.010
251  20.92     0.07      0.020       (  0.179)       0.010        0.010
252  21.00     0.07      0.020       (  0.178)       0.010        0.010
253  21.08     0.10      0.030       (  0.177)       0.015        0.015
254  21.17     0.10      0.030       (  0.177)       0.015        0.015
255  21.25     0.10      0.030       (  0.176)       0.015        0.015
256  21.33     0.07      0.020       (  0.175)       0.010        0.010
257  21.42     0.07      0.020       (  0.175)       0.010        0.010
258  21.50     0.07      0.020       (  0.174)       0.010        0.010
259  21.58     0.10      0.030       (  0.173)       0.015        0.015
260  21.67     0.10      0.030       (  0.173)       0.015        0.015
261  21.75     0.10      0.030       (  0.172)       0.015        0.015
262  21.83     0.07      0.020       (  0.172)       0.010        0.010
263  21.92     0.07      0.020       (  0.171)       0.010        0.010
264  22.00     0.07      0.020       (  0.170)       0.010        0.010
265  22.08     0.10      0.030       (  0.170)       0.015        0.015
266  22.17     0.10      0.030       (  0.169)       0.015        0.015
267  22.25     0.10      0.030       (  0.169)       0.015        0.015
268  22.33     0.07      0.020       (  0.168)       0.010        0.010
269  22.42     0.07      0.020       (  0.168)       0.010        0.010
270  22.50     0.07      0.020       (  0.167)       0.010        0.010
271  22.58     0.07      0.020       (  0.167)       0.010        0.010
272  22.67     0.07      0.020       (  0.166)       0.010        0.010
273  22.75     0.07      0.020       (  0.166)       0.010        0.010
274  22.83     0.07      0.020       (  0.165)       0.010        0.010
275  22.92     0.07      0.020       (  0.165)       0.010        0.010
276  23.00     0.07      0.020       (  0.164)       0.010        0.010
277  23.08     0.07      0.020       (  0.164)       0.010        0.010
278  23.17     0.07      0.020       (  0.164)       0.010        0.010
279  23.25     0.07      0.020       (  0.163)       0.010        0.010
280  23.33     0.07      0.020       (  0.163)       0.010        0.010
281  23.42     0.07      0.020       (  0.163)       0.010        0.010
282  23.50     0.07      0.020       (  0.162)       0.010        0.010
283  23.58     0.07      0.020       (  0.162)       0.010        0.010
284  23.67     0.07      0.020       (  0.162)       0.010        0.010
285  23.75     0.07      0.020       (  0.162)       0.010        0.010
286  23.83     0.07      0.020       (  0.162)       0.010        0.010
287  23.92     0.07      0.020       (  0.161)       0.010        0.010
288  24.00     0.07      0.020       (  0.161)       0.010        0.010
            (Loss Rate Not Used)
    Sum =     100.0                                  Sum =    14.6
      Flood volume = Effective rainfall      1.22(In)
       times area      19.3(Ac.)/[(In)/(Ft.)] =       2.0(Ac.Ft)
      Total soil loss =      1.28(In)
      Total soil loss =     2.062(Ac.Ft)
      Total rainfall =      2.50(In)
      Flood volume =       85328.6 Cubic Feet
      Total soil loss =       89812.3 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =      3.224(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         24 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0        2.5       5.0       7.5      10.0
 ------------------------------------------------------------------------
   0+ 5       0.0005      0.08  Q         |         |         |         |
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0+10	0.0016	0.16	Q	|	|	|	|
0+15	0.0029	0.18	Q	|	|	|	|
0+20	0.0044	0.22	Q	|	|	|	|
0+25	0.0063	0.27	VQ	|	|	|	|
0+30	0.0082	0.28	VQ	|	|	|	|
0+35	0.0101	0.28	VQ	|	|	|	|
0+40	0.0121	0.28	VQ	|	|	|	|
0+45	0.0141	0.28	VQ	|	|	|	|
0+50	0.0163	0.32	VQ	|	|	|	|
0+55	0.0188	0.36	VQ	|	|	|	|
1+ 0	0.0214	0.37	VQ	|	|	|	|
1+ 5	0.0237	0.34	VQ	|	|	|	|
1+10	0.0258	0.30	VQ	|	|	|	|
1+15	0.0278	0.29	VQ	|	|	|	|
1+20	0.0297	0.29	VQ	|	|	|	|
1+25	0.0317	0.28	VQ	|	|	|	|
1+30	0.0336	0.28	VQ	|	|	|	|
1+35	0.0356	0.28	VQ	|	|	|	|
1+40	0.0376	0.28	VQ	|	|	|	|
1+45	0.0395	0.28	VQ	|	|	|	|
1+50	0.0417	0.32	VQ	|	|	|	|
1+55	0.0443	0.36	VQ	|	|	|	|
2+ 0	0.0468	0.37	VQ	|	|	|	|
2+ 5	0.0494	0.38	|Q	|	|	|	|
2+10	0.0520	0.38	|Q	|	|	|	|
2+15	0.0547	0.38	|Q	|	|	|	|
2+20	0.0573	0.38	|Q	|	|	|	|
2+25	0.0599	0.38	|Q	|	|	|	|
2+30	0.0625	0.38	|Q	|	|	|	|
2+35	0.0654	0.42	|Q	|	|	|	|
2+40	0.0685	0.46	|Q	|	|	|	|
2+45	0.0718	0.47	|Q	|	|	|	|
2+50	0.0750	0.47	|Q	|	|	|	|
2+55	0.0783	0.47	|Q	|	|	|	|
3+ 0	0.0815	0.47	|Q	|	|	|	|
3+ 5	0.0848	0.47	|Q	|	|	|	|
3+10	0.0881	0.47	|Q	|	|	|	|
3+15	0.0913	0.47	|Q	|	|	|	|
3+20	0.0946	0.47	|Q	|	|	|	|
3+25	0.0979	0.47	|Q	|	|	|	|
3+30	0.1011	0.47	|QV	|	|	|	|
3+35	0.1044	0.47	|QV	|	|	|	|
3+40	0.1077	0.47	|QV	|	|	|	|
3+45	0.1109	0.47	|QV	|	|	|	|
3+50	0.1145	0.51	| Q	|	|	|	|
3+55	0.1183	0.55	| Q	|	|	|	|
4+ 0	0.1222	0.56	| Q	|	|	|	|
4+ 5	0.1261	0.57	| Q	|	|	|	|
4+10	0.1300	0.57	| Q	|	|	|	|
4+15	0.1339	0.57	| Q	|	|	|	|
4+20	0.1381	0.61	| Q	|	|	|	|
4+25	0.1425	0.65	| Q	|	|	|	|
4+30	0.1471	0.66	| QV	|	|	|	|
4+35	0.1516	0.66	| QV	|	|	|	|
4+40	0.1562	0.66	| QV	|	|	|	|
4+45	0.1608	0.66	| QV	|	|	|	|
4+50	0.1656	0.70	| QV	|	|	|	|
4+55	0.1707	0.74	| QV	|	|	|	|
5+ 0	0.1759	0.75	| Q	|	|	|	|
5+ 5	0.1806	0.68	| QV	|	|	|	|
5+10	0.1847	0.60	| QV	|	|	|	|
5+15	0.1887	0.58	| QV	|	|	|	|
5+20	0.1929	0.61	| QV	|	|	|	|
5+25	0.1974	0.65	| Q V	|	|	|	|
5+30	0.2019	0.66	| Q V	|	|	|	|
5+35	0.2067	0.70	| Q V	|	|	|	|
5+40	0.2119	0.74	| Q V	|	|	|	|
5+45	0.2171	0.75	| QV	|	|	|	|

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 5+50      0.2223     0.76  |  QV     |         |         |         |
 5+55      0.2275     0.76  |  QV     |         |         |         |
 6+ 0      0.2327     0.76  |  QV     |         |         |         |
 6+ 5      0.2382     0.80  |  QV     |         |         |         |
 6+10      0.2440     0.84  |  QV     |         |         |         |
 6+15      0.2498     0.85  |  Q V    |         |         |         |
 6+20      0.2557     0.85  |  Q V    |         |         |         |
 6+25      0.2616     0.85  |  Q V    |         |         |         |
 6+30      0.2674     0.85  |  Q V    |         |         |         |
 6+35      0.2736     0.89  |  Q V    |         |         |         |
 6+40      0.2800     0.93  |  Q V    |         |         |         |
 6+45      0.2865     0.94  |  Q V    |         |         |         |
 6+50      0.2930     0.95  |  Q V    |         |         |         |
 6+55      0.2996     0.95  |  Q  V   |         |         |         |
 7+ 0      0.3061     0.95  |  Q  V   |         |         |         |
 7+ 5      0.3126     0.95  |  Q  V   |         |         |         |
 7+10      0.3191     0.95  |  Q  V   |         |         |         |
 7+15      0.3257     0.95  |  Q  V   |         |         |         |
 7+20      0.3325     0.99  |  Q  V   |         |         |         |
 7+25      0.3395     1.03  |   Q V   |         |         |         |
 7+30      0.3467     1.04  |   Q  V  |         |         |         |
 7+35      0.3541     1.08  |   Q  V  |         |         |         |
 7+40      0.3619     1.12  |   Q  V  |         |         |         |
 7+45      0.3697     1.13  |   Q  V  |         |         |         |
 7+50      0.3777     1.17  |   Q  V  |         |         |         |
 7+55      0.3861     1.22  |   Q  V  |         |         |         |
 8+ 0      0.3946     1.23  |   Q   V |         |         |         |
 8+ 5      0.4036     1.31  |    Q  V |         |         |         |
 8+10      0.4132     1.39  |    Q  V |         |         |         |
 8+15      0.4229     1.41  |    Q  V |         |         |         |
 8+20      0.4327     1.42  |    Q  V |         |         |         |
 8+25      0.4425     1.42  |    Q   V|         |         |         |
 8+30      0.4523     1.42  |    Q   V|         |         |         |
 8+35      0.4623     1.46  |    Q   V|         |         |         |
 8+40      0.4727     1.50  |     Q  V|         |         |         |
 8+45      0.4831     1.51  |     Q  V|         |         |         |
 8+50      0.4938     1.55  |     Q   V         |         |         |
 8+55      0.5048     1.60  |     Q   V         |         |         |
 9+ 0      0.5158     1.61  |     Q   V         |         |         |
 9+ 5      0.5275     1.69  |     Q   V         |         |         |
 9+10      0.5397     1.77  |      Q  |V        |         |         |
 9+15      0.5520     1.79  |      Q  |V        |         |         |
 9+20      0.5646     1.84  |      Q  |V        |         |         |
 9+25      0.5776     1.88  |      Q  |V        |         |         |
 9+30      0.5906     1.89  |      Q  | V       |         |         |
 9+35      0.6039     1.93  |      Q  | V       |         |         |
 9+40      0.6175     1.98  |      Q  | V       |         |         |
 9+45      0.6312     1.99  |      Q  | V       |         |         |
 9+50      0.6452     2.03  |       Q |  V      |         |         |
 9+55      0.6595     2.07  |       Q |  V      |         |         |
10+ 0      0.6738     2.08  |       Q |  V      |         |         |
10+ 5      0.6863     1.82  |      Q  |   V     |         |         |
10+10      0.6968     1.52  |     Q   |   V     |         |         |
10+15      0.7068     1.46  |    Q    |   V     |         |         |
10+20      0.7167     1.43  |    Q    |   V     |         |         |
10+25      0.7265     1.42  |    Q    |   V     |         |         |
10+30      0.7363     1.42  |    Q    |    V    |         |         |
10+35      0.7474     1.61  |     Q   |    V    |         |         |
10+40      0.7600     1.82  |      Q  |    V    |         |         |
10+45      0.7728     1.87  |      Q  |    V    |         |         |
10+50      0.7858     1.89  |      Q  |     V   |         |         |
10+55      0.7989     1.90  |      Q  |     V   |         |         |
11+ 0      0.8120     1.90  |      Q  |     V   |         |         |
11+ 5      0.8248     1.86  |      Q  |     V   |         |         |
11+10      0.8373     1.82  |      Q  |      V  |         |         |
11+15      0.8497     1.81  |      Q  |      V  |         |         |
11+20      0.8621     1.80  |      Q  |      V  |         |         |
11+25      0.8745     1.80  |      Q  |      V  |         |         |
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11+30       0.8869      1.80  |      Q  |       V |         |         |
11+35       0.8988      1.73  |     Q   |       V |         |         |
11+40       0.9101      1.64  |     Q   |       V |         |         |
11+45       0.9213      1.62  |     Q   |       V |         |         |
11+50       0.9327      1.65  |     Q   |        V|         |         |
11+55       0.9443      1.69  |     Q   |        V|         |         |
12+ 0       0.9561      1.70  |     Q   |        V|         |         |
12+ 5       0.9696      1.97  |      Q  |        V|         |         |
12+10       0.9853      2.27  |        Q|         V         |         |
12+15       1.0013      2.33  |        Q|         V         |         |
12+20       1.0178      2.40  |        Q|         V         |         |
12+25       1.0347      2.45  |        Q|          V        |         |
12+30       1.0517      2.46  |        Q|          V        |         |
12+35       1.0691      2.54  |         Q          V        |         |
12+40       1.0872      2.63  |         Q          | V      |         |
12+45       1.1054      2.64  |         Q          | V      |         |
12+50       1.1240      2.69  |         Q          | V      |         |
12+55       1.1428      2.74  |         Q          |  V     |         |
13+ 0       1.1617      2.74  |         Q          |  V     |         |
13+ 5       1.1819      2.94  |          |Q        |   V    |         |
13+10       1.2036      3.15  |          | Q       |   V    |         |
13+15       1.2257      3.20  |          | Q       |    V   |         |
13+20       1.2478      3.22  |          | Q       |    V   |         |
13+25       1.2700      3.22  |          | Q       |    V   |         |
13+30       1.2922      3.22  |          | Q       |     V  |         |
13+35       1.3115      2.80  |          |Q        |     V  |         |
13+40       1.3276      2.34  |        Q|         |      V  |         |
13+45       1.3430      2.24  |       Q |         |      V  |         |
13+50       1.3582      2.20  |       Q |         |      V  |         |
13+55       1.3732      2.18  |       Q |         |       V |         |
14+ 0       1.3882      2.18  |       Q |         |       V |         |
14+ 5       1.4043      2.33  |        Q|         |       V |         |
14+10       1.4215      2.50  |         Q         |        V|         |
14+15       1.4390      2.54  |         Q         |        V|         |
14+20       1.4563      2.52  |         Q         |        V|         |
14+25       1.4734      2.48  |        Q|         |         V         |
14+30       1.4904      2.47  |        Q|         |         V         |
14+35       1.5074      2.47  |        Q|         |         V         |
14+40       1.5244      2.47  |        Q|         |         |V        |
14+45       1.5414      2.47  |        Q|         |         |V        |
14+50       1.5581      2.43  |        Q|         |         |V        |
14+55       1.5745      2.38  |        Q|         |         | V       |
15+ 0       1.5909      2.38  |        Q|         |         | V       |
15+ 5       1.6069      2.33  |        Q|         |         | V       |
15+10       1.6227      2.29  |        Q|         |         |  V      |
15+15       1.6384      2.28  |        Q|         |         |  V      |
15+20       1.6538      2.24  |       Q |         |         |  V      |
15+25       1.6689      2.20  |       Q |         |         |   V     |
15+30       1.6840      2.19  |       Q |         |         |   V     |
15+35       1.6980      2.03  |       Q |         |         |   V     |
15+40       1.7108      1.86  |      Q  |         |         |   V     |
15+45       1.7233      1.82  |      Q  |         |         |    V    |
15+50       1.7358      1.81  |      Q  |         |         |    V    |
15+55       1.7482      1.80  |      Q  |         |         |    V    |
16+ 0       1.7606      1.80  |      Q  |         |         |    V    |
16+ 5       1.7691      1.23  |   Q     |         |         |     V   |
16+10       1.7732      0.60  | Q       |         |         |     V   |
16+15       1.7763      0.46  |Q        |         |         |     V   |
16+20       1.7791      0.40  |Q        |         |         |     V   |
16+25       1.7817      0.38  |Q        |         |         |     V   |
16+30       1.7843      0.38  |Q        |         |         |     V   |
16+35       1.7867      0.34  |Q        |         |         |     V   |
16+40       1.7888      0.30  |Q        |         |         |     V   |
16+45       1.7907      0.29  |Q        |         |         |     V   |
16+50       1.7927      0.29  |Q        |         |         |     V   |
16+55       1.7947      0.28  |Q        |         |         |     V   |
17+ 0       1.7966      0.28  |Q        |         |         |     V   |
17+ 5       1.7991      0.36  |Q        |         |         |     V   |
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17+10       1.8022      0.45  |Q        |          |          |     V   |
17+15       1.8054      0.46  |Q        |          |          |     V   |
17+20       1.8086      0.47  |Q        |          |          |     V   |
17+25       1.8119      0.47  |Q        |          |          |     V   |
17+30       1.8151      0.47  |Q        |          |          |      V  |
17+35       1.8184      0.47  |Q        |          |          |      V  |
17+40       1.8217      0.47  |Q        |          |          |      V  |
17+45       1.8249      0.47  |Q        |          |          |      V  |
17+50       1.8279      0.44  |Q        |          |          |      V  |
17+55       1.8307      0.39  |Q        |          |          |      V  |
18+ 0       1.8333      0.38  |Q        |          |          |      V  |
18+ 5       1.8359      0.38  |Q        |          |          |      V  |
18+10       1.8385      0.38  |Q        |          |          |      V  |
18+15       1.8412      0.38  |Q        |          |          |      V  |
18+20       1.8438      0.38  |Q        |          |          |      V  |
18+25       1.8464      0.38  |Q        |          |          |      V  |
18+30       1.8490      0.38  |Q        |          |          |      V  |
18+35       1.8513      0.34  |Q        |          |          |      V  |
18+40       1.8534      0.30  |Q        |          |          |      V  |
18+45       1.8554      0.29  |Q        |          |          |      V  |
18+50       1.8571      0.25  Q         |          |          |      V  |
18+55       1.8585      0.20  Q         |          |          |      V  |
19+ 0       1.8598      0.19  Q         |          |          |      V  |
19+ 5       1.8614      0.23  Q         |          |          |       V |
19+10       1.8633      0.27  |Q        |          |          |       V |
19+15       1.8652      0.28  |Q        |          |          |       V |
19+20       1.8674      0.32  |Q        |          |          |       V |
19+25       1.8699      0.36  |Q        |          |          |       V |
19+30       1.8725      0.37  |Q        |          |          |       V |
19+35       1.8748      0.34  |Q        |          |          |       V |
19+40       1.8769      0.30  |Q        |          |          |       V |
19+45       1.8789      0.29  |Q        |          |          |       V |
19+50       1.8806      0.25  Q         |          |          |       V |
19+55       1.8820      0.20  Q         |          |          |       V |
20+ 0       1.8834      0.19  Q         |          |          |       V |
20+ 5       1.8849      0.23  Q         |          |          |       V |
20+10       1.8868      0.27  |Q        |          |          |       V |
20+15       1.8887      0.28  |Q        |          |          |       V |
20+20       1.8907      0.28  |Q        |          |          |       V |
20+25       1.8926      0.28  |Q        |          |          |       V |
20+30       1.8946      0.28  |Q        |          |          |       V |
20+35       1.8965      0.28  |Q        |          |          |       V |
20+40       1.8985      0.28  |Q        |          |          |       V |
20+45       1.9005      0.28  |Q        |          |          |       V |
20+50       1.9022      0.25  Q         |          |          |       V |
20+55       1.9036      0.20  Q         |          |          |       V |
21+ 0       1.9049      0.19  Q         |          |          |       V |
21+ 5       1.9065      0.23  Q         |          |          |       V |
21+10       1.9083      0.27  |Q        |          |          |       V |
21+15       1.9103      0.28  |Q        |          |          |        V|
21+20       1.9119      0.24  Q         |          |          |        V|
21+25       1.9134      0.20  Q         |          |          |        V|
21+30       1.9147      0.19  Q         |          |          |        V|
21+35       1.9163      0.23  Q         |          |          |        V|
21+40       1.9181      0.27  |Q        |          |          |        V|
21+45       1.9201      0.28  |Q        |          |          |        V|
21+50       1.9217      0.24  Q         |          |          |        V|
21+55       1.9231      0.20  Q         |          |          |        V|
22+ 0       1.9245      0.19  Q         |          |          |        V|
22+ 5       1.9261      0.23  Q         |          |          |        V|
22+10       1.9279      0.27  |Q        |          |          |        V|
22+15       1.9298      0.28  |Q        |          |          |        V|
22+20       1.9315      0.24  Q         |          |          |        V|
22+25       1.9329      0.20  Q         |          |          |        V|
22+30       1.9343      0.19  Q         |          |          |        V|
22+35       1.9356      0.19  Q         |          |          |        V|
22+40       1.9369      0.19  Q         |          |          |        V|
22+45       1.9382      0.19  Q         |          |          |        V|
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22+50	1.9395	0.19	Q	|	|	|	V|
22+55	1.9408	0.19	Q	|	|	|	V|
23+ 0	1.9421	0.19	Q	|	|	|	V|
23+ 5	1.9434	0.19	Q	|	|	|	V|
23+10	1.9447	0.19	Q	|	|	|	V|
23+15	1.9460	0.19	Q	|	|	|	V|
23+20	1.9474	0.19	Q	|	|	|	V|
23+25	1.9487	0.19	Q	|	|	|	V|
23+30	1.9500	0.19	Q	|	|	|	V|
23+35	1.9513	0.19	Q	|	|	|	V|
23+40	1.9526	0.19	Q	|	|	|	V|
23+45	1.9539	0.19	Q	|	|	|	V|
23+50	1.9552	0.19	Q	|	|	|	V|
23+55	1.9565	0.19	Q	|	|	|	V|
24+ 0	1.9578	0.19	Q	|	|	|	V|
24+ 5	1.9586	0.11	Q	|	|	|	V|
24+10	1.9588	0.03	Q	|	|	|	V|
24+15	1.9589	0.01	Q	|	|	|	V|
24+20	1.9589	0.00	Q	|	|	|	V|

DEPTH vs OUTFLOW CALCULATIONS

			HOLES	HOLES	HOLES	HOLES	HOLES	**WEIR**	
		No. of Holes →	5	0	0	0	0	**1**	No. of Weir
			HOLE C	HOLE C	HOLE C	HOLE C	HOLE C	**WEIR**	
		Discharge Coefficient →	0.6	0.6	0.6	0.6	0.6	**3.3**	Weir Coefficient
			HOLE FL	HOLE FL	HOLE FL	HOLE FL	HOLE FL	**DIST TO WEIR**	
		Distance of Holes from Basin Bottom (in) →	18	10	14	18	22	**39.6**	Distance of Top of Weir from Basin Bottom (in)
			HOLE R	HOLE R	HOLE R	HOLE R	HOLE R	**WEIR LENGTH FT**	
		Rect. Height (in) →	2	1	2	2	2	**46.000**	**Riser Pipe Perimeter (ft) =7X16' Riser Pipe- WEIR 1**
		Rect. Width (in) →	2	2	84	84	84		
			CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	**WEIR ELEV**	
		Hole Centerline Elev (ft) →	779.2833	778.575	778.95	779.28333	779.617	**781.4**	Top of Riser Elevation (ft)
ELEV	DEPTH	OUTFLOW							
777.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	
778.03	0.33	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	
778.37	0.67	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	
778.70	1.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	
779.03	1.33	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	
779.37	1.67	0.20	0.20	0.00	0.00	0.00	0.00	**0.00**	
779.70	2.00	0.43	0.43	0.00	0.00	0.00	0.00	**0.00**	
780.03	2.33	0.58	0.58	0.00	0.00	0.00	0.00	**0.00**	
780.37	2.67	0.70	0.70	0.00	0.00	0.00	0.00	**0.00**	
780.70	3.00	0.80	0.80	0.00	0.00	0.00	0.00	**0.00**	
781.00	3.30	0.88	0.88	0.00	0.00	0.00	0.00	**0.00**	
781.37	3.67	0.97	0.97	0.00	0.00	0.00	0.00	**0.00**	
781.70	4.00	29.82	1.04	0.00	0.00	0.00	0.00	**28.78**	

↑ [Σ FLOWS (HOLES+RISER)]

↑ (FLOW OVER TOP OF WEIR 1)

Note:

Orifice outflow is based on:

1. $Q=CA(2gH)^{0.5}$
   where:
   C = Coefficient, 0.6 used here
   A = Orifice Area
   H = Headwater

Weir flow is based on:

2. $Q=CLH^{1.5}$
   where:
   C = Coefficient, 3.3 used here
   L = Weir Length, Grate Perimeter was used here
   H = Headwater

***STORAGE CAPACITY CALCULATION**

TR 38171 SaddleHorn
BASIN A
With 5@2" X2" Rectangular Orifice

Elevation (ft)	*Contour Interval (ft)*	*Accumulate Depth(ft)*	*Area (sqft)*	*Area (acres)*	*Mean Area (acres)*	*Volume (ac-ft)*	*Volume accumulat (ac-ft)*	*Qout(cfs) STRUCTURE	Infiltration (cfs)	Qout-Total (cfs)	
774.70	*0*	***0***	*10974*	*0.25*		*0*	*0.0*	0.00	***0.13***	**0.13**	**INFILTRATION**
775.03	*0.33*	***0.33***	*10974*	*0.25*	*0.25*	*0.02*	*0.02*	0.00	***0.13***	**0.13**	
775.37	*0.34*	***0.67***	*10974*	*0.25*	*0.25*	*0.03*	*0.05*	0.00	***0.13***	**0.13**	
775.70	*0.33*	*1.00*	*10974*	*0.25*	*0.25*	*0.02*	*0.08*	0.00	*0.13*	0.13	
776.03	*0.33*	*1.33*	*10974*	*0.25*	*0.25*	*0.02*	*0.10*	0.00	*0.13*	0.13	**UNDERDRAIN**
776.37	*0.34*	*1.67*	*10974*	*0.25*	*0.25*	*0.03*	*0.13*	0.00	*0.13*	0.13	
776.70	*0.33*	*2.00*	*10974*	*0.25*	*0.25*	*0.02*	*0.15*	0.00	*0.13*	0.13	
777.03	*0.33*	*2.33*	*10974*	*0.25*	*0.25*	*0.02*	*0.18*	0.00	*0.13*	0.13	
777.37	*0.34*	*2.67*	*10974*	*0.25*	*0.25*	*0.03*	*0.20*	0.00	*0.13*	0.13	
777.70	*0.33*	*3.00*	*11813*	*0.27*	*0.26*	*0.03*	*0.23*	0.00	*0.13*	0.13	**BASIN BOTTOM**
778.03	*0.33*	*3.33*	*12259*	*0.28*	*0.28*	*0.09*	*0.32*	0.00	*0.13*	0.13	
778.37	*0.33*	*3.67*	*12712*	*0.29*	*0.29*	*0.10*	*0.42*	0.00	*0.13*	0.13	
778.70	*0.33*	*4.00*	*13172*	*0.30*	*0.30*	*0.10*	*0.51*	0.00	*0.13*	0.13	
779.03	*0.33*	*4.33*	*13639*	*0.31*	*0.31*	*0.10*	*0.62*	0.00	*0.13*	0.13	
779.37	*0.34*	*4.67*	*14114*	*0.32*	*0.32*	*0.11*	*0.72*	0.20	*0.13*	0.33	
779.70	*0.33*	*5.00*	*14595*	*0.34*	*0.33*	*0.11*	*0.83*	0.43	*0.13*	0.56	
780.03	*0.33*	*5.33*	*15084*	*0.35*	*0.34*	*0.11*	*0.95*	0.58	*0.13*	0.71	
780.37	*0.34*	*5.67*	*15580*	*0.36*	*0.35*	*0.12*	*1.06*	0.70	*0.13*	0.83	
780.70	*0.33*	*6.00*	*16084*	*0.37*	*0.36*	*0.12*	*1.19*	0.80	*0.13*	0.93	
781.03	*0.33*	*6.33*	*16594*	*0.38*	*0.38*	*0.12*	*1.31*	0.88	*0.13*	1.01	**WEIR**
781.37	*0.34*	*6.67*	*17112*	*0.39*	*0.39*	*0.13*	*1.44*	0.97	*0.13*	1.10	
781.70	*0.33*	*7.00*	*17715*	*0.41*	*0.40*	*0.13*	*1.57*	29.82	*0.13*	29.95	**TOP OF BASIN**

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 03/17/22

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: PROA242.rte
**********HYDROGRAPH DATA**********
Number of intervals = 292
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 3.224 (CFS)
Total volume = 1.959 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

PROPOSED BASIN ROUTING
2-YEAR 24HR STORM
TT# 38171

++++++++++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 292
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.080	0.130	0.080	0.080
1.300	0.100	0.130	0.100	0.100
1.700	0.130	0.130	0.130	0.130
2.000	0.150	0.130	0.150	0.150
2.300	0.180	0.130	0.180	0.180
2.700	0.200	0.130	0.200	0.200
3.000	0.230	0.130	0.230	0.230
3.300	0.320	0.130	0.320	0.320
3.700	0.420	0.130	0.420	0.420
4.000	0.510	0.130	0.510	0.510
4.300	0.620	0.130	0.620	0.620
4.700	0.720	0.330	0.719	0.721
5.000	0.830	0.560	0.828	0.832
5.300	0.950	0.710	0.948	0.952
5.700	1.060	0.830	1.057	1.063
6.000	1.190	0.930	1.187	1.193
6.300	1.310	1.010	1.307	1.313
6.700	1.440	1.100	1.436	1.444
7.000	1.570	29.950	1.467	1.673

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.8	1.61	2.42	3.22	Depth (Ft.)
0.083	0.08	0.00	0.000	O	|	|	|	|	0.00
0.167	0.16	0.00	0.001	OI	|	|	|	|	0.01
0.250	0.18	0.00	0.002	OI	|	|	|	|	0.03
0.333	0.22	0.01	0.004	O I	|	|	|	|	0.04
0.417	0.27	0.01	0.005	O I	|	|	|	|	0.07
0.500	0.28	0.01	0.007	O I	|	|	|	|	0.09
0.583	0.28	0.01	0.009	O I	|	|	|	|	0.11
0.667	0.28	0.02	0.011	O I	|	|	|	|	0.13
0.750	0.28	0.02	0.013	O I	|	|	|	|	0.16
0.833	0.32	0.02	0.015	O I	|	|	|	|	0.18
0.917	0.36	0.03	0.017	O I	|	|	|	|	0.21
1.000	0.37	0.03	0.019	O I	|	|	|	|	0.24
1.083	0.34	0.03	0.021	O I	|	|	|	|	0.27
1.167	0.30	0.04	0.023	O I	|	|	|	|	0.29
1.250	0.29	0.04	0.025	O I	|	|	|	|	0.31
1.333	0.29	0.04	0.027	O I	|	|	|	|	0.33
1.417	0.28	0.05	0.028	O I	|	|	|	|	0.35
1.500	0.28	0.05	0.030	O I	|	|	|	|	0.37
1.583	0.28	0.05	0.032	O I	|	|	|	|	0.39
1.667	0.28	0.05	0.033	O I	|	|	|	|	0.41
1.750	0.28	0.06	0.035	O I	|	|	|	|	0.43
1.833	0.32	0.06	0.036	O I	|	|	|	|	0.46
1.917	0.36	0.06	0.038	O I	|	|	|	|	0.48
2.000	0.37	0.07	0.040	O I	|	|	|	|	0.51
2.083	0.38	0.07	0.043	O I	|	|	|	|	0.53
2.167	0.38	0.07	0.045	O I	|	|	|	|	0.56
2.250	0.38	0.08	0.047	O I	|	|	|	|	0.59
2.333	0.38	0.08	0.049	O I	|	|	|	|	0.61
2.417	0.38	0.08	0.051	O I	|	|	|	|	0.64
2.500	0.38	0.09	0.053	O I	|	|	|	|	0.66
2.583	0.42	0.09	0.055	O I	|	|	|	|	0.69
2.667	0.46	0.09	0.058	O I	|	|	|	|	0.72
2.750	0.47	0.10	0.060	O I	|	|	|	|	0.75
2.833	0.47	0.10	0.063	|O I	|	|	|	|	0.78
2.917	0.47	0.11	0.065	|O I	|	|	|	|	0.81
3.000	0.47	0.11	0.068	|O I	|	|	|	|	0.85
3.083	0.47	0.11	0.070	|O I	|	|	|	|	0.88
3.167	0.47	0.12	0.073	|O I	|	|	|	|	0.91
3.250	0.47	0.12	0.075	|O I	|	|	|	|	0.94
3.333	0.47	0.13	0.077	|O I	|	|	|	|	0.97
3.417	0.47	0.13	0.080	|O I	|	|	|	|	1.00
3.500	0.47	0.13	0.082	|O I	|	|	|	|	1.03
3.583	0.47	0.13	0.085	|O I	|	|	|	|	1.07
3.667	0.47	0.13	0.087	|O I	|	|	|	|	1.10
3.750	0.47	0.13	0.089	|O I	|	|	|	|	1.14
3.833	0.51	0.13	0.092	|O I	|	|	|	|	1.18
3.917	0.55	0.13	0.095	|O I	|	|	|	|	1.22
4.000	0.56	0.13	0.098	|O I	|	|	|	|	1.26
4.083	0.57	0.13	0.101	|O I	|	|	|	|	1.31
4.167	0.57	0.13	0.104	|O I	|	|	|	|	1.35
4.250	0.57	0.13	0.107	|O I	|	|	|	|	1.39
4.333	0.61	0.13	0.110	|O I	|	|	|	|	1.43
4.417	0.65	0.13	0.113	|O I	|	|	|	|	1.48
4.500	0.66	0.13	0.117	|O I	|	|	|	|	1.52
4.583	0.66	0.13	0.120	|O I	|	|	|	|	1.57
4.667	0.66	0.13	0.124	|O I	|	|	|	|	1.62
4.750	0.66	0.13	0.128	|O I	|	|	|	|	1.67
4.833	0.70	0.13	0.132	|O I	|	|	|	|	1.72
4.917	0.74	0.13	0.136	|O I|	|	|	|	|	1.79
5.000	0.75	0.13	0.140	|O I|	|	|	|	|	1.85

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 5.083    0.68    0.13      0.144  |O    I |       |       |       |     1.91
 5.167    0.60    0.13      0.148  |O   I  |       |       |       |     1.96
 5.250    0.58    0.13      0.151  |O   I  |       |       |       |     2.01
 5.333    0.61    0.13      0.154  |O    I |       |       |       |     2.04
 5.417    0.65    0.13      0.157  |O    I |       |       |       |     2.07
 5.500    0.66    0.13      0.161  |O    I |       |       |       |     2.11
 5.583    0.70    0.13      0.165  |O    I |       |       |       |     2.15
 5.667    0.74    0.13      0.169  |O     I|       |       |       |     2.19
 5.750    0.75    0.13      0.173  |O     I|       |       |       |     2.23
 5.833    0.76    0.13      0.177  |O     I|       |       |       |     2.27
 5.917    0.76    0.13      0.182  |O     I|       |       |       |     2.33
 6.000    0.76    0.13      0.186  |O     I|       |       |       |     2.42
 6.083    0.80    0.13      0.190  |O     I|       |       |       |     2.51
 6.167    0.84    0.13      0.195  |O      I       |       |       |     2.60
 6.250    0.85    0.13      0.200  |O      I       |       |       |     2.70
 6.333    0.85    0.13      0.205  |O      I       |       |       |     2.75
 6.417    0.85    0.13      0.210  |O      I       |       |       |     2.80
 6.500    0.85    0.13      0.215  |O      I       |       |       |     2.85
 6.583    0.89    0.13      0.220  |O      I       |       |       |     2.90
 6.667    0.93    0.13      0.226  |O      |I      |       |       |     2.96
 6.750    0.94    0.13      0.231  |O      |I      |       |       |     3.00
 6.833    0.95    0.13      0.237  |O      |I      |       |       |     3.02
 6.917    0.95    0.13      0.242  |O      |I      |       |       |     3.04
 7.000    0.95    0.13      0.248  |O      |I      |       |       |     3.06
 7.083    0.95    0.13      0.254  |O      |I      |       |       |     3.08
 7.167    0.95    0.13      0.259  |O      |I      |       |       |     3.10
 7.250    0.95    0.13      0.265  |O      |I      |       |       |     3.12
 7.333    0.99    0.13      0.271  |O      |I      |       |       |     3.14
 7.417    1.03    0.13      0.277  |O      | I     |       |       |     3.16
 7.500    1.04    0.13      0.283  |O      | I     |       |       |     3.18
 7.583    1.08    0.13      0.289  |O      | I     |       |       |     3.20
 7.667    1.12    0.13      0.296  |O      |  I    |       |       |     3.22
 7.750    1.13    0.13      0.303  |O      |  I    |       |       |     3.24
 7.833    1.17    0.13      0.310  |O      |  I    |       |       |     3.27
 7.917    1.22    0.13      0.317  |O      |   I   |       |       |     3.29
 8.000    1.23    0.13      0.325  |O      |   I   |       |       |     3.32
 8.083    1.31    0.13      0.333  |O      |   I   |       |       |     3.35
 8.167    1.39    0.13      0.341  |O      |    I  |       |       |     3.38
 8.250    1.41    0.13      0.350  |O      |     I |       |       |     3.42
 8.333    1.42    0.13      0.359  |O      |     I |       |       |     3.45
 8.417    1.42    0.13      0.367  |O      |     I |       |       |     3.49
 8.500    1.42    0.13      0.376  |O      |     I |       |       |     3.53
 8.583    1.46    0.13      0.385  |O      |     I |       |       |     3.56
 8.667    1.50    0.13      0.395  |O      |     I |       |       |     3.60
 8.750    1.51    0.13      0.404  |O      |      I|       |       |     3.64
 8.833    1.55    0.13      0.414  |O      |      I|       |       |     3.68
 8.917    1.60    0.13      0.424  |O      |      I|       |       |     3.71
 9.000    1.61    0.13      0.434  |O      |      I|       |       |     3.75
 9.083    1.69    0.13      0.444  |O      |       I       |       |     3.78
 9.167    1.77    0.13      0.455  |O      |       |I      |       |     3.82
 9.250    1.79    0.13      0.467  |O      |       |I      |       |     3.86
 9.333    1.84    0.13      0.478  |O      |       | I     |       |     3.89
 9.417    1.88    0.13      0.490  |O      |       | I     |       |     3.93
 9.500    1.89    0.13      0.502  |O      |       | I     |       |     3.97
 9.583    1.93    0.13      0.515  |O      |       |  I    |       |     4.01
 9.667    1.98    0.13      0.527  |O      |       |  I    |       |     4.05
 9.750    1.99    0.13      0.540  |O      |       |  I    |       |     4.08
 9.833    2.03    0.13      0.553  |O      |       |   I   |       |     4.12
 9.917    2.07    0.13      0.566  |O      |       |   I   |       |     4.15
10.000    2.08    0.13      0.580  |O      |       |   I   |       |     4.19
10.083    1.82    0.13      0.592  |O      |       | I     |       |     4.22
10.167    1.52    0.13      0.603  |O      |      I|       |       |     4.25
10.250    1.46    0.13      0.612  |O      |     I |       |       |     4.28
10.333    1.43    0.13      0.621  |O      |     I |       |       |     4.30
10.417    1.42    0.15      0.630  |O      |     I |       |       |     4.34
10.500    1.42    0.17      0.639  |O      |     I |       |       |     4.37
10.583    1.61    0.19      0.648  |O      |       I       |       |     4.41
10.667    1.82    0.21      0.658  | O     |       | I     |       |     4.45
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10.750    1.87    0.23      0.670  | O     |       | I     |       |     4.50
10.833    1.89    0.25      0.681  | O     |       | I     |       |     4.54
10.917    1.90    0.27      0.692  | O     |       | I     |       |     4.59
11.000    1.90    0.30      0.703  | O     |       | I     |       |     4.63
11.083    1.86    0.32      0.714  |  O    |       | I     |       |     4.68
11.167    1.82    0.34      0.724  |  O    |       | I     |       |     4.71
11.250    1.81    0.36      0.734  |  O    |       |I      |       |     4.74
11.333    1.80    0.38      0.744  |  O    |       |I      |       |     4.77
11.417    1.80    0.40      0.754  |  O    |       |I      |       |     4.79
11.500    1.80    0.42      0.764  |   O   |       |I      |       |     4.82
11.583    1.73    0.44      0.773  |   O   |       |I      |       |     4.84
11.667    1.64    0.46      0.781  |   O   |       I       |       |     4.87
11.750    1.62    0.47      0.789  |   O   |       I       |       |     4.89
11.833    1.65    0.49      0.797  |   O   |       I       |       |     4.91
11.917    1.69    0.51      0.805  |    O  |       I       |       |     4.93
12.000    1.70    0.53      0.813  |    O  |       I       |       |     4.95
12.083    1.97    0.54      0.822  |    O  |       |  I    |       |     4.98
12.167    2.27    0.56      0.833  |    O  |       |     I |       |     5.01
12.250    2.33    0.58      0.845  |    O  |       |      I|       |     5.04
12.333    2.40    0.59      0.857  |    O  |       |      I|       |     5.07
12.417    2.45    0.61      0.870  |     O |       |       I       |     5.10
12.500    2.46    0.63      0.883  |     O |       |       I       |     5.13
12.583    2.54    0.64      0.895  |     O |       |       |I      |     5.16
12.667    2.63    0.66      0.909  |     O |       |       | I     |     5.20
12.750    2.64    0.68      0.922  |     O |       |       | I     |     5.23
12.833    2.69    0.69      0.936  |     O |       |       | I     |     5.26
12.917    2.74    0.71      0.950  |      O|       |       |  I    |     5.30
13.000    2.74    0.72      0.964  |      O|       |       |  I    |     5.35
13.083    2.94    0.74      0.978  |      O|       |       |    I  |     5.40
13.167    3.15    0.76      0.994  |      O|       |       |      I|     5.46
13.250    3.20    0.78      1.011  |      O|       |       |      I|     5.52
13.333    3.22    0.79      1.027  |      O|       |       |      I|     5.58
13.417    3.22    0.81      1.044  |       O       |       |       I     5.64
13.500    3.22    0.83      1.060  |       O       |       |       I     5.70
13.583    2.80    0.84      1.075  |       O       |       |  I    |     5.74
13.667    2.34    0.85      1.087  |       O       |      I|       |     5.76
13.750    2.24    0.86      1.097  |       O       |     I |       |     5.79
13.833    2.20    0.87      1.107  |       O       |    I  |       |     5.81
13.917    2.18    0.87      1.116  |       O       |    I  |       |     5.83
14.000    2.18    0.88      1.125  |       O       |    I  |       |     5.85
14.083    2.33    0.89      1.134  |       O       |      I|       |     5.87
14.167    2.50    0.90      1.145  |       O       |       I       |     5.90
14.250    2.54    0.90      1.156  |       O       |       |I      |     5.92
14.333    2.52    0.91      1.167  |       |O      |       I       |     5.95
14.417    2.48    0.92      1.178  |       |O      |       I       |     5.97
14.500    2.47    0.93      1.189  |       |O      |       I       |     6.00
14.583    2.47    0.94      1.199  |       |O      |       I       |     6.02
14.667    2.47    0.94      1.210  |       |O      |       I       |     6.05
14.750    2.47    0.95      1.220  |       |O      |       I       |     6.08
14.833    2.43    0.96      1.230  |       |O      |       I       |     6.10
14.917    2.38    0.96      1.240  |       |O      |      I|       |     6.13
15.000    2.38    0.97      1.250  |       |O      |      I|       |     6.15
15.083    2.33    0.98      1.260  |       |O      |      I|       |     6.17
15.167    2.29    0.98      1.269  |       |O      |     I |       |     6.20
15.250    2.28    0.99      1.278  |       |O      |     I |       |     6.22
15.333    2.24    0.99      1.286  |       |O      |     I |       |     6.24
15.417    2.20    1.00      1.295  |       |O      |    I  |       |     6.26
15.500    2.19    1.01      1.303  |       |O      |    I  |       |     6.28
15.583    2.03    1.01      1.311  |       | O     |   I   |       |     6.30
15.667    1.86    1.01      1.317  |       | O     | I     |       |     6.32
15.750    1.82    1.02      1.323  |       | O     | I     |       |     6.34
15.833    1.81    1.02      1.328  |       | O     |I      |       |     6.36
15.917    1.80    1.03      1.334  |       | O     |I      |       |     6.37
16.000    1.80    1.03      1.339  |       | O     |I      |       |     6.39
16.083    1.23    1.03      1.342  |       | O I   |       |       |     6.40
16.167    0.60    1.03      1.341  |    I  | O     |       |       |     6.40
16.250    0.46    1.03      1.338  |   I   | O     |       |       |     6.39
16.333    0.40    1.03      1.334  |   I   | O     |       |       |     6.37
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16.417    0.38    1.02      1.329  |  I    | O     |       |       |     6.36
16.500    0.38    1.02      1.325  |  I    | O     |       |       |     6.35
16.583    0.34    1.02      1.320  |  I    | O     |       |       |     6.33
16.667    0.30    1.01      1.316  | I     | O     |       |       |     6.32
16.750    0.29    1.01      1.311  | I     | O     |       |       |     6.30
16.833    0.29    1.01      1.306  | I     |O      |       |       |     6.29
16.917    0.28    1.00      1.301  | I     |O      |       |       |     6.28
17.000    0.28    1.00      1.296  | I     |O      |       |       |     6.26
17.083    0.36    1.00      1.291  |  I    |O      |       |       |     6.25
17.167    0.45    0.99      1.287  |   I   |O      |       |       |     6.24
17.250    0.46    0.99      1.283  |   I   |O      |       |       |     6.23
17.333    0.47    0.99      1.280  |   I   |O      |       |       |     6.22
17.417    0.47    0.99      1.276  |   I   |O      |       |       |     6.22
17.500    0.47    0.99      1.273  |   I   |O      |       |       |     6.21
17.583    0.47    0.98      1.269  |   I   |O      |       |       |     6.20
17.667    0.47    0.98      1.266  |   I   |O      |       |       |     6.19
17.750    0.47    0.98      1.262  |   I   |O      |       |       |     6.18
17.833    0.44    0.98      1.259  |   I   |O      |       |       |     6.17
17.917    0.39    0.97      1.255  |  I    |O      |       |       |     6.16
18.000    0.38    0.97      1.251  |  I    |O      |       |       |     6.15
18.083    0.38    0.97      1.247  |  I    |O      |       |       |     6.14
18.167    0.38    0.97      1.243  |  I    |O      |       |       |     6.13
18.250    0.38    0.96      1.239  |  I    |O      |       |       |     6.12
18.333    0.38    0.96      1.235  |  I    |O      |       |       |     6.11
18.417    0.38    0.96      1.231  |  I    |O      |       |       |     6.10
18.500    0.38    0.95      1.227  |  I    |O      |       |       |     6.09
18.583    0.34    0.95      1.223  |  I    |O      |       |       |     6.08
18.667    0.30    0.95      1.218  | I     |O      |       |       |     6.07
18.750    0.29    0.95      1.214  | I     |O      |       |       |     6.06
18.833    0.25    0.94      1.209  | I     |O      |       |       |     6.05
18.917    0.20    0.94      1.204  | I     |O      |       |       |     6.04
19.000    0.19    0.94      1.199  |I      |O      |       |       |     6.02
19.083    0.23    0.93      1.194  | I     |O      |       |       |     6.01
19.167    0.27    0.93      1.189  | I     |O      |       |       |     6.00
19.250    0.28    0.93      1.185  | I     |O      |       |       |     5.99
19.333    0.32    0.92      1.181  |  I    |O      |       |       |     5.98
19.417    0.36    0.92      1.177  |  I    |O      |       |       |     5.97
19.500    0.37    0.92      1.173  |  I    |O      |       |       |     5.96
19.583    0.34    0.91      1.169  |  I    |O      |       |       |     5.95
19.667    0.30    0.91      1.165  | I     |O      |       |       |     5.94
19.750    0.29    0.91      1.161  | I     |O      |       |       |     5.93
19.833    0.25    0.90      1.156  | I     O       |       |       |     5.92
19.917    0.20    0.90      1.152  | I     O       |       |       |     5.91
20.000    0.19    0.90      1.147  |I      O       |       |       |     5.90
20.083    0.23    0.89      1.142  | I     O       |       |       |     5.89
20.167    0.27    0.89      1.138  | I     O       |       |       |     5.88
20.250    0.28    0.89      1.134  | I     O       |       |       |     5.87
20.333    0.28    0.88      1.129  | I     O       |       |       |     5.86
20.417    0.28    0.88      1.125  | I     O       |       |       |     5.85
20.500    0.28    0.88      1.121  | I     O       |       |       |     5.84
20.583    0.28    0.87      1.117  | I     O       |       |       |     5.83
20.667    0.28    0.87      1.113  | I     O       |       |       |     5.82
20.750    0.28    0.87      1.109  | I     O       |       |       |     5.81
20.833    0.25    0.86      1.105  | I     O       |       |       |     5.80
20.917    0.20    0.86      1.100  | I     O       |       |       |     5.79
21.000    0.19    0.86      1.096  |I      O       |       |       |     5.78
21.083    0.23    0.85      1.091  | I     O       |       |       |     5.77
21.167    0.27    0.85      1.087  | I     O       |       |       |     5.76
21.250    0.28    0.85      1.083  | I     O       |       |       |     5.75
21.333    0.24    0.84      1.079  | I     O       |       |       |     5.74
21.417    0.20    0.84      1.075  | I     O       |       |       |     5.73
21.500    0.19    0.84      1.071  |I      O       |       |       |     5.72
21.583    0.23    0.83      1.066  | I     O       |       |       |     5.71
21.667    0.27    0.83      1.062  | I     O       |       |       |     5.71
21.750    0.28    0.83      1.059  | I     O       |       |       |     5.69
21.833    0.24    0.82      1.055  | I     O       |       |       |     5.68
21.917    0.20    0.82      1.051  | I     O       |       |       |     5.67
22.000    0.19    0.82      1.046  |I      O       |       |       |     5.65
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22.083	0.23	0.81	1.042	| I O | | |	5.64
22.167	0.27	0.81	1.038	| I O | | |	5.62
22.250	0.28	0.80	1.035	| I O| | |	5.61
22.333	0.24	0.80	1.031	| I O| | |	5.59
22.417	0.20	0.79	1.027	| I O| | |	5.58
22.500	0.19	0.79	1.023	|I O| | |	5.57
22.583	0.19	0.79	1.019	|I O| | |	5.55
22.667	0.19	0.78	1.015	|I O| | |	5.54
22.750	0.19	0.78	1.011	|I O| | |	5.52
22.833	0.19	0.77	1.007	|I O| | |	5.51
22.917	0.19	0.77	1.003	|I O| | |	5.49
23.000	0.19	0.76	0.999	|I O| | |	5.48
23.083	0.19	0.76	0.995	|I O| | |	5.46
23.167	0.19	0.75	0.991	|I O| | |	5.45
23.250	0.19	0.75	0.987	|I O| | |	5.43
23.333	0.19	0.75	0.983	|I O| | |	5.42
23.417	0.19	0.74	0.979	|I O| | |	5.41
23.500	0.19	0.74	0.976	|I O| | |	5.39
23.583	0.19	0.73	0.972	|I O| | |	5.38
23.667	0.19	0.73	0.968	|I O| | |	5.37
23.750	0.19	0.73	0.964	|I O| | |	5.35
23.833	0.19	0.72	0.961	|I O| | |	5.34
23.917	0.19	0.72	0.957	|I O| | |	5.33
24.000	0.19	0.71	0.953	|I O| | |	5.31
24.083	0.11	0.71	0.950	|I O| | |	5.30
24.167	0.03	0.70	0.945	I O | | |	5.29
24.250	0.01	0.70	0.940	I O | | |	5.28
24.333	0.00	0.69	0.936	I O | | |	5.26
24.417	0.00	0.69	0.931	I O | | |	5.25
24.500	0.00	0.68	0.926	I O | | |	5.24
24.583	0.00	0.67	0.922	I O | | |	5.23
24.667	0.00	0.67	0.917	I O | | |	5.22
24.750	0.00	0.66	0.912	I O | | |	5.21
24.833	0.00	0.66	0.908	I O | | |	5.19
24.917	0.00	0.65	0.903	I O | | |	5.18
25.000	0.00	0.65	0.899	I O | | |	5.17
25.083	0.00	0.64	0.894	I O | | |	5.16
25.167	0.00	0.64	0.890	I O | | |	5.15
25.250	0.00	0.63	0.886	I O | | |	5.14
25.333	0.00	0.62	0.881	I O | | |	5.13
25.417	0.00	0.62	0.877	I O | | |	5.12
25.500	0.00	0.61	0.873	I O | | |	5.11
25.583	0.00	0.61	0.869	I O | | |	5.10
25.667	0.00	0.60	0.864	I O | | |	5.09
25.750	0.00	0.60	0.860	I O | | |	5.08
25.833	0.00	0.59	0.856	I O | | |	5.07
25.917	0.00	0.59	0.852	I O | | |	5.06
26.000	0.00	0.58	0.848	I O | | |	5.05
26.083	0.00	0.58	0.844	I O | | |	5.04
26.167	0.00	0.57	0.840	I O | | |	5.03
26.250	0.00	0.57	0.836	I O | | |	5.02
26.333	0.00	0.56	0.832	I O | | |	5.01
26.417	0.00	0.56	0.829	I O | | |	5.00
26.500	0.00	0.55	0.825	I O | | |	4.99
26.583	0.00	0.54	0.821	I O | | |	4.98
26.667	0.00	0.53	0.817	I O | | |	4.97
26.750	0.00	0.53	0.814	I O | | |	4.96
26.833	0.00	0.52	0.810	I O | | |	4.95
26.917	0.00	0.51	0.806	I O | | |	4.94
27.000	0.00	0.50	0.803	I O | | |	4.93
27.083	0.00	0.50	0.800	I O | | |	4.92
27.167	0.00	0.49	0.796	I O | | |	4.91
27.250	0.00	0.48	0.793	I O | | |	4.90
27.333	0.00	0.48	0.789	I O | | |	4.89
27.417	0.00	0.47	0.786	I O | | |	4.88
27.500	0.00	0.46	0.783	I O | | |	4.87
27.583	0.00	0.46	0.780	I O | | |	4.86
27.667	0.00	0.45	0.777	I O | | |	4.85

27.750	0.00	0.44	0.774	I O	|	|	|	4.85
27.833	0.00	0.44	0.771	I O	|	|	|	4.84
27.917	0.00	0.43	0.768	I O	|	|	|	4.83
28.000	0.00	0.42	0.765	I O	|	|	|	4.82
28.083	0.00	0.42	0.762	I O	|	|	|	4.81
28.167	0.00	0.41	0.759	I O	|	|	|	4.81
28.250	0.00	0.41	0.756	I O	|	|	|	4.80
28.333	0.00	0.40	0.753	I O	|	|	|	4.79
28.417	0.00	0.39	0.751	I O	|	|	|	4.78
28.500	0.00	0.39	0.748	I O	|	|	|	4.78
28.583	0.00	0.38	0.745	I O	|	|	|	4.77
28.667	0.00	0.38	0.743	I O	|	|	|	4.76
28.750	0.00	0.37	0.740	I O	|	|	|	4.75
28.833	0.00	0.37	0.738	I O	|	|	|	4.75
28.917	0.00	0.36	0.735	I O	|	|	|	4.74
29.000	0.00	0.36	0.733	I O	|	|	|	4.73
29.083	0.00	0.35	0.730	I O	|	|	|	4.73
29.167	0.00	0.35	0.728	I O	|	|	|	4.72
29.250	0.00	0.34	0.725	I O	|	|	|	4.71
29.333	0.00	0.34	0.723	I O	|	|	|	4.71
29.417	0.00	0.33	0.721	I O	|	|	|	4.70
29.500	0.00	0.33	0.718	I O	|	|	|	4.69
29.583	0.00	0.32	0.716	I O	|	|	|	4.69
29.667	0.00	0.32	0.714	I O	|	|	|	4.68
29.750	0.00	0.31	0.712	I O	|	|	|	4.67
29.833	0.00	0.31	0.710	I O	|	|	|	4.66
29.917	0.00	0.31	0.708	I O	|	|	|	4.65
30.000	0.00	0.30	0.706	I O	|	|	|	4.64
30.083	0.00	0.30	0.703	I O	|	|	|	4.63
30.167	0.00	0.29	0.701	I O	|	|	|	4.63
30.250	0.00	0.29	0.699	I O	|	|	|	4.62
30.333	0.00	0.28	0.697	I O	|	|	|	4.61
30.417	0.00	0.28	0.696	I O	|	|	|	4.60
30.500	0.00	0.28	0.694	I O	|	|	|	4.59
30.583	0.00	0.27	0.692	I O	|	|	|	4.59
30.667	0.00	0.27	0.690	I O	|	|	|	4.58
30.750	0.00	0.27	0.688	I O	|	|	|	4.57
30.833	0.00	0.26	0.686	I O	|	|	|	4.56
30.917	0.00	0.26	0.684	I O	|	|	|	4.56
31.000	0.00	0.26	0.683	I O	|	|	|	4.55
31.083	0.00	0.25	0.681	I O	|	|	|	4.54
31.167	0.00	0.25	0.679	I O	|	|	|	4.54
31.250	0.00	0.24	0.677	I O	|	|	|	4.53
31.333	0.00	0.24	0.676	I O	|	|	|	4.52
31.417	0.00	0.24	0.674	I O	|	|	|	4.52
31.500	0.00	0.23	0.672	I O	|	|	|	4.51
31.583	0.00	0.23	0.671	I O	|	|	|	4.50
31.667	0.00	0.23	0.669	I O	|	|	|	4.50
31.750	0.00	0.23	0.668	I O	|	|	|	4.49
31.833	0.00	0.22	0.666	I O	|	|	|	4.48
31.917	0.00	0.22	0.665	I O	|	|	|	4.48
32.000	0.00	0.22	0.663	I O	|	|	|	4.47
32.083	0.00	0.21	0.662	I O	|	|	|	4.47
32.167	0.00	0.21	0.660	I O	|	|	|	4.46
32.250	0.00	0.21	0.659	I O	|	|	|	4.46
32.333	0.00	0.20	0.657	I O	|	|	|	4.45
32.417	0.00	0.20	0.656	I O	|	|	|	4.44
32.500	0.00	0.20	0.655	IO	|	|	|	4.44
32.583	0.00	0.20	0.653	IO	|	|	|	4.43
32.667	0.00	0.19	0.652	IO	|	|	|	4.43
32.750	0.00	0.19	0.651	IO	|	|	|	4.42
32.833	0.00	0.19	0.649	IO	|	|	|	4.42
32.917	0.00	0.19	0.648	IO	|	|	|	4.41
33.000	0.00	0.18	0.647	IO	|	|	|	4.41
33.083	0.00	0.18	0.645	IO	|	|	|	4.40
33.167	0.00	0.18	0.644	IO	|	|	|	4.40
33.250	0.00	0.18	0.643	IO	|	|	|	4.39
33.333	0.00	0.17	0.642	IO	|	|	|	4.39

33.417	0.00	0.17	0.641	IO					4.38
33.500	0.00	0.17	0.639	IO					4.38
33.583	0.00	0.17	0.638	IO					4.37
33.667	0.00	0.16	0.637	IO					4.37
33.750	0.00	0.16	0.636	IO					4.36
33.833	0.00	0.16	0.635	IO					4.36
33.917	0.00	0.16	0.634	IO					4.36
34.000	0.00	0.16	0.633	IO					4.35
34.083	0.00	0.15	0.632	IO					4.35
34.167	0.00	0.15	0.631	IO					4.34
34.250	0.00	0.15	0.630	IO					4.34
34.333	0.00	0.15	0.629	IO					4.33
34.417	0.00	0.15	0.628	IO					4.33
34.500	0.00	0.14	0.627	IO					4.33
34.583	0.00	0.14	0.626	IO					4.32
34.667	0.00	0.14	0.625	IO					4.32
34.750	0.00	0.14	0.624	IO					4.31
34.833	0.00	0.14	0.623	IO					4.31
34.917	0.00	0.13	0.622	IO					4.31
35.000	0.00	0.13	0.621	IO					4.30
35.083	0.00	0.13	0.620	IO					4.30
35.167	0.00	0.13	0.619	IO					4.30
35.250	0.00	0.13	0.618	IO					4.30
35.333	0.00	0.13	0.617	IO					4.29
35.417	0.00	0.13	0.616	IO					4.29
35.500	0.00	0.13	0.615	IO					4.29
35.583	0.00	0.13	0.615	IO					4.29
35.667	0.00	0.13	0.614	IO					4.28
35.750	0.00	0.13	0.613	IO					4.28
35.833	0.00	0.13	0.612	IO					4.28
35.917	0.00	0.13	0.611	IO					4.28
36.000	0.00	0.13	0.610	IO					4.27
36.083	0.00	0.13	0.609	IO					4.27
36.167	0.00	0.13	0.608	IO					4.27
36.250	0.00	0.13	0.607	IO					4.27
36.333	0.00	0.13	0.607	IO					4.26
36.417	0.00	0.13	0.606	IO					4.26
36.500	0.00	0.13	0.605	IO					4.26
36.583	0.00	0.13	0.604	IO					4.26
36.667	0.00	0.13	0.603	IO					4.25
36.750	0.00	0.13	0.602	IO					4.25
36.833	0.00	0.13	0.601	IO					4.25
36.917	0.00	0.13	0.600	IO					4.25
37.000	0.00	0.13	0.599	IO					4.24
37.083	0.00	0.13	0.598	IO					4.24
37.167	0.00	0.13	0.598	IO					4.24
37.250	0.00	0.13	0.597	IO					4.24
37.333	0.00	0.13	0.596	IO					4.23
37.417	0.00	0.13	0.595	IO					4.23
37.500	0.00	0.13	0.594	IO					4.23
37.583	0.00	0.13	0.593	IO					4.23
37.667	0.00	0.13	0.592	IO					4.22
37.750	0.00	0.13	0.591	IO					4.22
37.833	0.00	0.13	0.590	IO					4.22
37.917	0.00	0.13	0.590	IO					4.22
38.000	0.00	0.13	0.589	IO					4.21
38.083	0.00	0.13	0.588	IO					4.21
38.167	0.00	0.13	0.587	IO					4.21
38.250	0.00	0.13	0.586	IO					4.21
38.333	0.00	0.13	0.585	IO					4.20
38.417	0.00	0.13	0.584	IO					4.20
38.500	0.00	0.13	0.583	IO					4.20
38.583	0.00	0.13	0.582	IO					4.20
38.667	0.00	0.13	0.581	IO					4.19
38.750	0.00	0.13	0.581	IO					4.19
38.833	0.00	0.13	0.580	IO					4.19
38.917	0.00	0.13	0.579	IO					4.19
39.000	0.00	0.13	0.578	IO					4.19

39.083	0.00	0.13	0.577	IO					4.18
39.167	0.00	0.13	0.576	IO					4.18
39.250	0.00	0.13	0.575	IO					4.18
39.333	0.00	0.13	0.574	IO					4.18
39.417	0.00	0.13	0.573	IO					4.17
39.500	0.00	0.13	0.573	IO					4.17
39.583	0.00	0.13	0.572	IO					4.17
39.667	0.00	0.13	0.571	IO					4.17
39.750	0.00	0.13	0.570	IO					4.16
39.833	0.00	0.13	0.569	IO					4.16
39.917	0.00	0.13	0.568	IO					4.16
40.000	0.00	0.13	0.567	IO					4.16
40.083	0.00	0.13	0.566	IO					4.15
40.167	0.00	0.13	0.565	IO					4.15
40.250	0.00	0.13	0.564	IO					4.15
40.333	0.00	0.13	0.564	IO					4.15
40.417	0.00	0.13	0.563	IO					4.14
40.500	0.00	0.13	0.562	IO					4.14
40.583	0.00	0.13	0.561	IO					4.14
40.667	0.00	0.13	0.560	IO					4.14
40.750	0.00	0.13	0.559	IO					4.13
40.833	0.00	0.13	0.558	IO					4.13
40.917	0.00	0.13	0.557	IO					4.13
41.000	0.00	0.13	0.556	IO					4.13
41.083	0.00	0.13	0.556	IO					4.12
41.167	0.00	0.13	0.555	IO					4.12
41.250	0.00	0.13	0.554	IO					4.12
41.333	0.00	0.13	0.553	IO					4.12
41.417	0.00	0.13	0.552	IO					4.11
41.500	0.00	0.13	0.551	IO					4.11
41.583	0.00	0.13	0.550	IO					4.11
41.667	0.00	0.13	0.549	IO					4.11
41.750	0.00	0.13	0.548	IO					4.10
41.833	0.00	0.13	0.547	IO					4.10
41.917	0.00	0.13	0.547	IO					4.10
42.000	0.00	0.13	0.546	IO					4.10
42.083	0.00	0.13	0.545	IO					4.09
42.167	0.00	0.13	0.544	IO					4.09
42.250	0.00	0.13	0.543	IO					4.09
42.333	0.00	0.13	0.542	IO					4.09
42.417	0.00	0.13	0.541	IO					4.09
42.500	0.00	0.13	0.540	IO					4.08
42.583	0.00	0.13	0.539	IO					4.08
42.667	0.00	0.13	0.538	IO					4.08
42.750	0.00	0.13	0.538	IO					4.08
42.833	0.00	0.13	0.537	IO					4.07
42.917	0.00	0.13	0.536	IO					4.07
43.000	0.00	0.13	0.535	IO					4.07
43.083	0.00	0.13	0.534	IO					4.07
43.167	0.00	0.13	0.533	IO					4.06
43.250	0.00	0.13	0.532	IO					4.06
43.333	0.00	0.13	0.531	IO					4.06
43.417	0.00	0.13	0.530	IO					4.06
43.500	0.00	0.13	0.530	IO					4.05
43.583	0.00	0.13	0.529	IO					4.05
43.667	0.00	0.13	0.528	IO					4.05
43.750	0.00	0.13	0.527	IO					4.05
43.833	0.00	0.13	0.526	IO					4.04
43.917	0.00	0.13	0.525	IO					4.04
44.000	0.00	0.13	0.524	IO					4.04
44.083	0.00	0.13	0.523	IO					4.04
44.167	0.00	0.13	0.522	IO					4.03
44.250	0.00	0.13	0.521	IO					4.03
44.333	0.00	0.13	0.521	IO					4.03
44.417	0.00	0.13	0.520	IO					4.03
44.500	0.00	0.13	0.519	IO					4.02
44.583	0.00	0.13	0.518	IO					4.02
44.667	0.00	0.13	0.517	IO					4.02

44.750	0.00	0.13	0.516	IO					4.02
44.833	0.00	0.13	0.515	IO					4.01
44.917	0.00	0.13	0.514	IO					4.01
45.000	0.00	0.13	0.513	IO					4.01
45.083	0.00	0.13	0.513	IO					4.01
45.167	0.00	0.13	0.512	IO					4.00
45.250	0.00	0.13	0.511	IO					4.00
45.333	0.00	0.13	0.510	IO					4.00
45.417	0.00	0.13	0.509	IO					4.00
45.500	0.00	0.13	0.508	IO					3.99
45.583	0.00	0.13	0.507	IO					3.99
45.667	0.00	0.13	0.506	IO					3.99
45.750	0.00	0.13	0.505	IO					3.98
45.833	0.00	0.13	0.504	IO					3.98
45.917	0.00	0.13	0.504	IO					3.98
46.000	0.00	0.13	0.503	IO					3.98
46.083	0.00	0.13	0.502	IO					3.97
46.167	0.00	0.13	0.501	IO					3.97
46.250	0.00	0.13	0.500	IO					3.97
46.333	0.00	0.13	0.499	IO					3.96
46.417	0.00	0.13	0.498	IO					3.96
46.500	0.00	0.13	0.497	IO					3.96
46.583	0.00	0.13	0.496	IO					3.95
46.667	0.00	0.13	0.496	IO					3.95
46.750	0.00	0.13	0.495	IO					3.95
46.833	0.00	0.13	0.494	IO					3.95
46.917	0.00	0.13	0.493	IO					3.94
47.000	0.00	0.13	0.492	IO					3.94
47.083	0.00	0.13	0.491	IO					3.94
47.167	0.00	0.13	0.490	IO					3.93
47.250	0.00	0.13	0.489	IO					3.93
47.333	0.00	0.13	0.488	IO					3.93
47.417	0.00	0.13	0.487	IO					3.92
47.500	0.00	0.13	0.487	IO					3.92
47.583	0.00	0.13	0.486	IO					3.92
47.667	0.00	0.13	0.485	IO					3.92
47.750	0.00	0.13	0.484	IO					3.91
47.833	0.00	0.13	0.483	IO					3.91
47.917	0.00	0.13	0.482	IO					3.91
48.000	0.00	0.13	0.481	IO					3.90
48.083	0.00	0.13	0.480	IO					3.90
48.167	0.00	0.13	0.479	IO					3.90
48.250	0.00	0.13	0.479	IO					3.90
48.333	0.00	0.13	0.478	IO					3.89
48.417	0.00	0.13	0.477	IO					3.89
48.500	0.00	0.13	0.476	IO					3.89
48.583	0.00	0.13	0.475	IO					3.88
48.667	0.00	0.13	0.474	IO					3.88
48.750	0.00	0.13	0.473	IO					3.88
48.833	0.00	0.13	0.472	IO					3.87
48.917	0.00	0.13	0.471	IO					3.87
49.000	0.00	0.13	0.470	IO					3.87
49.083	0.00	0.13	0.470	IO					3.87
49.167	0.00	0.13	0.469	IO					3.86
49.250	0.00	0.13	0.468	IO					3.86
49.333	0.00	0.13	0.467	IO					3.86
49.417	0.00	0.13	0.466	IO					3.85
49.500	0.00	0.13	0.465	IO					3.85
49.583	0.00	0.13	0.464	IO					3.85
49.667	0.00	0.13	0.463	IO					3.84
49.750	0.00	0.13	0.462	IO					3.84
49.833	0.00	0.13	0.461	IO					3.84
49.917	0.00	0.13	0.461	IO					3.84
50.000	0.00	0.13	0.460	IO					3.83
50.083	0.00	0.13	0.459	IO					3.83
50.167	0.00	0.13	0.458	IO					3.83
50.250	0.00	0.13	0.457	IO					3.82
50.333	0.00	0.13	0.456	IO					3.82

50.417	0.00	0.13	0.455	IO				3.82
50.500	0.00	0.13	0.454	IO				3.81
50.583	0.00	0.13	0.453	IO				3.81
50.667	0.00	0.13	0.453	IO				3.81
50.750	0.00	0.13	0.452	IO				3.81
50.833	0.00	0.13	0.451	IO				3.80
50.917	0.00	0.13	0.450	IO				3.80
51.000	0.00	0.13	0.449	IO				3.80
51.083	0.00	0.13	0.448	IO				3.79
51.167	0.00	0.13	0.447	IO				3.79
51.250	0.00	0.13	0.446	IO				3.79
51.333	0.00	0.13	0.445	IO				3.78
51.417	0.00	0.13	0.444	IO				3.78
51.500	0.00	0.13	0.444	IO				3.78
51.583	0.00	0.13	0.443	IO				3.78
51.667	0.00	0.13	0.442	IO				3.77
51.750	0.00	0.13	0.441	IO				3.77
51.833	0.00	0.13	0.440	IO				3.77
51.917	0.00	0.13	0.439	IO				3.76
52.000	0.00	0.13	0.438	IO				3.76
52.083	0.00	0.13	0.437	IO				3.76
52.167	0.00	0.13	0.436	IO				3.75
52.250	0.00	0.13	0.436	IO				3.75
52.333	0.00	0.13	0.435	IO				3.75
52.417	0.00	0.13	0.434	IO				3.75
52.500	0.00	0.13	0.433	IO				3.74
52.583	0.00	0.13	0.432	IO				3.74
52.667	0.00	0.13	0.431	IO				3.74
52.750	0.00	0.13	0.430	IO				3.73
52.833	0.00	0.13	0.429	IO				3.73
52.917	0.00	0.13	0.428	IO				3.73
53.000	0.00	0.13	0.427	IO				3.72
53.083	0.00	0.13	0.427	IO				3.72
53.167	0.00	0.13	0.426	IO				3.72
53.250	0.00	0.13	0.425	IO				3.72
53.333	0.00	0.13	0.424	IO				3.71
53.417	0.00	0.13	0.423	IO				3.71
53.500	0.00	0.13	0.422	IO				3.71
53.583	0.00	0.13	0.421	IO				3.70
53.667	0.00	0.13	0.420	IO				3.70
53.750	0.00	0.13	0.419	IO				3.70
53.833	0.00	0.13	0.419	IO				3.69
53.917	0.00	0.13	0.418	IO				3.69
54.000	0.00	0.13	0.417	IO				3.69
54.083	0.00	0.13	0.416	IO				3.68
54.167	0.00	0.13	0.415	IO				3.68
54.250	0.00	0.13	0.414	IO				3.68
54.333	0.00	0.13	0.413	IO				3.67
54.417	0.00	0.13	0.412	IO				3.67
54.500	0.00	0.13	0.411	IO				3.67
54.583	0.00	0.13	0.410	IO				3.66
54.667	0.00	0.13	0.410	IO				3.66
54.750	0.00	0.13	0.409	IO				3.65
54.833	0.00	0.13	0.408	IO				3.65
54.917	0.00	0.13	0.407	IO				3.65
55.000	0.00	0.13	0.406	IO				3.64
55.083	0.00	0.13	0.405	IO				3.64
55.167	0.00	0.13	0.404	IO				3.64
55.250	0.00	0.13	0.403	IO				3.63
55.333	0.00	0.13	0.402	IO				3.63
55.417	0.00	0.13	0.402	IO				3.63
55.500	0.00	0.13	0.401	IO				3.62
55.583	0.00	0.13	0.400	IO				3.62
55.667	0.00	0.13	0.399	IO				3.62
55.750	0.00	0.13	0.398	IO				3.61
55.833	0.00	0.13	0.397	IO				3.61
55.917	0.00	0.13	0.396	IO				3.60
56.000	0.00	0.13	0.395	IO				3.60

56.083	0.00	0.13	0.394	IO					3.60
56.167	0.00	0.13	0.393	IO					3.59
56.250	0.00	0.13	0.393	IO					3.59
56.333	0.00	0.13	0.392	IO					3.59
56.417	0.00	0.13	0.391	IO					3.58
56.500	0.00	0.13	0.390	IO					3.58
56.583	0.00	0.13	0.389	IO					3.58
56.667	0.00	0.13	0.388	IO					3.57
56.750	0.00	0.13	0.387	IO					3.57
56.833	0.00	0.13	0.386	IO					3.57
56.917	0.00	0.13	0.385	IO					3.56
57.000	0.00	0.13	0.385	IO					3.56
57.083	0.00	0.13	0.384	IO					3.55
57.167	0.00	0.13	0.383	IO					3.55
57.250	0.00	0.13	0.382	IO					3.55
57.333	0.00	0.13	0.381	IO					3.54
57.417	0.00	0.13	0.380	IO					3.54
57.500	0.00	0.13	0.379	IO					3.54
57.583	0.00	0.13	0.378	IO					3.53
57.667	0.00	0.13	0.377	IO					3.53
57.750	0.00	0.13	0.376	IO					3.53
57.833	0.00	0.13	0.376	IO					3.52
57.917	0.00	0.13	0.375	IO					3.52
58.000	0.00	0.13	0.374	IO					3.52
58.083	0.00	0.13	0.373	IO					3.51
58.167	0.00	0.13	0.372	IO					3.51
58.250	0.00	0.13	0.371	IO					3.50
58.333	0.00	0.13	0.370	IO					3.50
58.417	0.00	0.13	0.369	IO					3.50
58.500	0.00	0.13	0.368	IO					3.49
58.583	0.00	0.13	0.367	IO					3.49
58.667	0.00	0.13	0.367	IO					3.49
58.750	0.00	0.13	0.366	IO					3.48
58.833	0.00	0.13	0.365	IO					3.48
58.917	0.00	0.13	0.364	IO					3.48
59.000	0.00	0.13	0.363	IO					3.47
59.083	0.00	0.13	0.362	IO					3.47
59.167	0.00	0.13	0.361	IO					3.46
59.250	0.00	0.13	0.360	IO					3.46
59.333	0.00	0.13	0.359	IO					3.46
59.417	0.00	0.13	0.359	IO					3.45
59.500	0.00	0.13	0.358	IO					3.45
59.583	0.00	0.13	0.357	IO					3.45
59.667	0.00	0.13	0.356	IO					3.44
59.750	0.00	0.13	0.355	IO					3.44
59.833	0.00	0.13	0.354	IO					3.44
59.917	0.00	0.13	0.353	IO					3.43
60.000	0.00	0.13	0.352	IO					3.43
60.083	0.00	0.13	0.351	IO					3.43
60.167	0.00	0.13	0.350	IO					3.42
60.250	0.00	0.13	0.350	IO					3.42
60.333	0.00	0.13	0.349	IO					3.41
60.417	0.00	0.13	0.348	IO					3.41
60.500	0.00	0.13	0.347	IO					3.41
60.583	0.00	0.13	0.346	IO					3.40
60.667	0.00	0.13	0.345	IO					3.40
60.750	0.00	0.13	0.344	IO					3.40
60.833	0.00	0.13	0.343	IO					3.39
60.917	0.00	0.13	0.342	IO					3.39
61.000	0.00	0.13	0.342	IO					3.39
61.083	0.00	0.13	0.341	IO					3.38
61.167	0.00	0.13	0.340	IO					3.38
61.250	0.00	0.13	0.339	IO					3.38
61.333	0.00	0.13	0.338	IO					3.37
61.417	0.00	0.13	0.337	IO					3.37
61.500	0.00	0.13	0.336	IO					3.36
61.583	0.00	0.13	0.335	IO					3.36
61.667	0.00	0.13	0.334	IO					3.36

61.750	0.00	0.13	0.333	IO					3.35
61.833	0.00	0.13	0.333	IO					3.35
61.917	0.00	0.13	0.332	IO					3.35
62.000	0.00	0.13	0.331	IO					3.34
62.083	0.00	0.13	0.330	IO					3.34
62.167	0.00	0.13	0.329	IO					3.34
62.250	0.00	0.13	0.328	IO					3.33
62.333	0.00	0.13	0.327	IO					3.33
62.417	0.00	0.13	0.326	IO					3.33
62.500	0.00	0.13	0.325	IO					3.32
62.583	0.00	0.13	0.325	IO					3.32
62.667	0.00	0.13	0.324	IO					3.31
62.750	0.00	0.13	0.323	IO					3.31
62.833	0.00	0.13	0.322	IO					3.31
62.917	0.00	0.13	0.321	IO					3.30
63.000	0.00	0.13	0.320	IO					3.30
63.083	0.00	0.13	0.319	IO					3.30
63.167	0.00	0.13	0.318	IO					3.29
63.250	0.00	0.13	0.317	IO					3.29
63.333	0.00	0.13	0.316	IO					3.29
63.417	0.00	0.13	0.316	IO					3.29
63.500	0.00	0.13	0.315	IO					3.28
63.583	0.00	0.13	0.314	IO					3.28
63.667	0.00	0.13	0.313	IO					3.28
63.750	0.00	0.13	0.312	IO					3.27
63.833	0.00	0.13	0.311	IO					3.27
63.917	0.00	0.13	0.310	IO					3.27
64.000	0.00	0.13	0.309	IO					3.26
64.083	0.00	0.13	0.308	IO					3.26
64.167	0.00	0.13	0.308	IO					3.26
64.250	0.00	0.13	0.307	IO					3.26
64.333	0.00	0.13	0.306	IO					3.25
64.417	0.00	0.13	0.305	IO					3.25
64.500	0.00	0.13	0.304	IO					3.25
64.583	0.00	0.13	0.303	IO					3.24
64.667	0.00	0.13	0.302	IO					3.24
64.750	0.00	0.13	0.301	IO					3.24
64.833	0.00	0.13	0.300	IO					3.23
64.917	0.00	0.13	0.299	IO					3.23
65.000	0.00	0.13	0.299	IO					3.23
65.083	0.00	0.13	0.298	IO					3.23
65.167	0.00	0.13	0.297	IO					3.22
65.250	0.00	0.13	0.296	IO					3.22
65.333	0.00	0.13	0.295	IO					3.22
65.417	0.00	0.13	0.294	IO					3.21
65.500	0.00	0.13	0.293	IO					3.21
65.583	0.00	0.13	0.292	IO					3.21
65.667	0.00	0.13	0.291	IO					3.20
65.750	0.00	0.13	0.290	IO					3.20
65.833	0.00	0.13	0.290	IO					3.20
65.917	0.00	0.13	0.289	IO					3.20
66.000	0.00	0.13	0.288	IO					3.19
66.083	0.00	0.13	0.287	IO					3.19
66.167	0.00	0.13	0.286	IO					3.19
66.250	0.00	0.13	0.285	IO					3.18
66.333	0.00	0.13	0.284	IO					3.18
66.417	0.00	0.13	0.283	IO					3.18
66.500	0.00	0.13	0.282	IO					3.17
66.583	0.00	0.13	0.282	IO					3.17
66.667	0.00	0.13	0.281	IO					3.17
66.750	0.00	0.13	0.280	IO					3.17
66.833	0.00	0.13	0.279	IO					3.16
66.917	0.00	0.13	0.278	IO					3.16
67.000	0.00	0.13	0.277	IO					3.16
67.083	0.00	0.13	0.276	IO					3.15
67.167	0.00	0.13	0.275	IO					3.15
67.250	0.00	0.13	0.274	IO					3.15
67.333	0.00	0.13	0.273	IO					3.14

67.417	0.00	0.13	0.273	IO					3.14
67.500	0.00	0.13	0.272	IO					3.14
67.583	0.00	0.13	0.271	IO					3.14
67.667	0.00	0.13	0.270	IO					3.13
67.750	0.00	0.13	0.269	IO					3.13
67.833	0.00	0.13	0.268	IO					3.13
67.917	0.00	0.13	0.267	IO					3.12
68.000	0.00	0.13	0.266	IO					3.12
68.083	0.00	0.13	0.265	IO					3.12
68.167	0.00	0.13	0.265	IO					3.12
68.250	0.00	0.13	0.264	IO					3.11
68.333	0.00	0.13	0.263	IO					3.11
68.417	0.00	0.13	0.262	IO					3.11
68.500	0.00	0.13	0.261	IO					3.10
68.583	0.00	0.13	0.260	IO					3.10
68.667	0.00	0.13	0.259	IO					3.10
68.750	0.00	0.13	0.258	IO					3.09
68.833	0.00	0.13	0.257	IO					3.09
68.917	0.00	0.13	0.256	IO					3.09
69.000	0.00	0.13	0.256	IO					3.09
69.083	0.00	0.13	0.255	IO					3.08
69.167	0.00	0.13	0.254	IO					3.08
69.250	0.00	0.13	0.253	IO					3.08
69.333	0.00	0.13	0.252	IO					3.07
69.417	0.00	0.13	0.251	IO					3.07
69.500	0.00	0.13	0.250	IO					3.07
69.583	0.00	0.13	0.249	IO					3.06
69.667	0.00	0.13	0.248	IO					3.06
69.750	0.00	0.13	0.248	IO					3.06
69.833	0.00	0.13	0.247	IO					3.06
69.917	0.00	0.13	0.246	IO					3.05
70.000	0.00	0.13	0.245	IO					3.05
70.083	0.00	0.13	0.244	IO					3.05
70.167	0.00	0.13	0.243	IO					3.04
70.250	0.00	0.13	0.242	IO					3.04
70.333	0.00	0.13	0.241	IO					3.04
70.417	0.00	0.13	0.240	IO					3.03
70.500	0.00	0.13	0.239	IO					3.03
70.583	0.00	0.13	0.239	IO					3.03
70.667	0.00	0.13	0.238	IO					3.03
70.750	0.00	0.13	0.237	IO					3.02
70.833	0.00	0.13	0.236	IO					3.02
70.917	0.00	0.13	0.235	IO					3.02
71.000	0.00	0.13	0.234	IO					3.01
71.083	0.00	0.13	0.233	IO					3.01
71.167	0.00	0.13	0.232	IO					3.01
71.250	0.00	0.13	0.231	IO					3.00
71.333	0.00	0.13	0.231	IO					3.00
71.417	0.00	0.13	0.230	IO					3.00
71.500	0.00	0.13	0.229	IO					2.99
71.583	0.00	0.13	0.228	IO					2.98
71.667	0.00	0.13	0.227	IO					2.97
71.750	0.00	0.13	0.226	IO					2.96
71.833	0.00	0.13	0.225	IO					2.95
71.917	0.00	0.13	0.224	IO					2.94
72.000	0.00	0.13	0.223	IO					2.93
72.083	0.00	0.13	0.222	IO					2.92
72.167	0.00	0.13	0.222	IO					2.92
72.250	0.00	0.13	0.221	IO					2.91
72.333	0.00	0.13	0.220	IO					2.90
72.417	0.00	0.13	0.219	IO					2.89
72.500	0.00	0.13	0.218	IO					2.88
72.583	0.00	0.13	0.217	IO					2.87
72.667	0.00	0.13	0.216	IO					2.86
72.750	0.00	0.13	0.215	IO					2.85
72.833	0.00	0.13	0.214	IO					2.84
72.917	0.00	0.13	0.213	IO					2.83
73.000	0.00	0.13	0.213	IO					2.83

73.083	0.00	0.13	0.212	IO					2.82
73.167	0.00	0.13	0.211	IO					2.81
73.250	0.00	0.13	0.210	IO					2.80
73.333	0.00	0.13	0.209	IO					2.79
73.417	0.00	0.13	0.208	IO					2.78
73.500	0.00	0.13	0.207	IO					2.77
73.583	0.00	0.13	0.206	IO					2.76
73.667	0.00	0.13	0.205	IO					2.75
73.750	0.00	0.13	0.205	IO					2.75
73.833	0.00	0.13	0.204	IO					2.74
73.917	0.00	0.13	0.203	IO					2.73
74.000	0.00	0.13	0.202	IO					2.72
74.083	0.00	0.13	0.201	IO					2.71
74.167	0.00	0.13	0.200	IO					2.70
74.250	0.00	0.13	0.199	IO					2.68
74.333	0.00	0.13	0.198	IO					2.67
74.417	0.00	0.13	0.197	IO					2.65
74.500	0.00	0.13	0.196	IO					2.63
74.583	0.00	0.13	0.196	IO					2.61
74.667	0.00	0.13	0.195	IO					2.59
74.750	0.00	0.13	0.194	IO					2.58
74.833	0.00	0.13	0.193	IO					2.56
74.917	0.00	0.13	0.192	IO					2.54
75.000	0.00	0.13	0.191	IO					2.52
75.083	0.00	0.13	0.190	IO					2.50
75.167	0.00	0.13	0.189	IO					2.49
75.250	0.00	0.13	0.188	IO					2.47
75.333	0.00	0.13	0.188	IO					2.45
75.417	0.00	0.13	0.187	IO					2.43
75.500	0.00	0.13	0.186	IO					2.41
75.583	0.00	0.13	0.185	IO					2.40
75.667	0.00	0.13	0.184	IO					2.38
75.750	0.00	0.13	0.183	IO					2.36
75.833	0.00	0.13	0.182	IO					2.34
75.917	0.00	0.13	0.181	IO					2.33
76.000	0.00	0.13	0.180	IO					2.31
76.083	0.00	0.13	0.179	IO					2.29
76.167	0.00	0.13	0.179	IO					2.29
76.250	0.00	0.13	0.178	IO					2.28
76.333	0.00	0.13	0.177	IO					2.27
76.417	0.00	0.13	0.176	IO					2.26
76.500	0.00	0.13	0.175	IO					2.25
76.583	0.00	0.13	0.174	IO					2.24
76.667	0.00	0.13	0.173	IO					2.23
76.750	0.00	0.13	0.172	IO					2.22
76.833	0.00	0.13	0.171	IO					2.21
76.917	0.00	0.13	0.171	IO					2.21
77.000	0.00	0.13	0.170	IO					2.20
77.083	0.00	0.13	0.169	IO					2.19
77.167	0.00	0.13	0.168	IO					2.18
77.250	0.00	0.13	0.167	IO					2.17
77.333	0.00	0.13	0.166	IO					2.16
77.417	0.00	0.13	0.165	IO					2.15
77.500	0.00	0.13	0.164	IO					2.14
77.583	0.00	0.13	0.163	IO					2.13
77.667	0.00	0.13	0.162	IO					2.12
77.750	0.00	0.13	0.162	IO					2.12
77.833	0.00	0.13	0.161	IO					2.11
77.917	0.00	0.13	0.160	IO					2.10
78.000	0.00	0.13	0.159	IO					2.09
78.083	0.00	0.13	0.158	IO					2.08
78.167	0.00	0.13	0.157	IO					2.07
78.250	0.00	0.13	0.156	IO					2.06
78.333	0.00	0.13	0.155	IO					2.05
78.417	0.00	0.13	0.154	IO					2.04
78.500	0.00	0.13	0.154	IO					2.04
78.583	0.00	0.13	0.153	IO					2.03
78.667	0.00	0.13	0.152	IO					2.02

78.750	0.00	0.13	0.151	IO	|	|	|	|	2.01
78.833	0.00	0.13	0.150	IO	|	|	|	|	2.00
78.917	0.00	0.13	0.149	IO	|	|	|	|	1.99
79.000	0.00	0.13	0.148	IO	|	|	|	|	1.97
79.083	0.00	0.13	0.147	IO	|	|	|	|	1.96
79.167	0.00	0.13	0.146	IO	|	|	|	|	1.95
79.250	0.00	0.13	0.145	IO	|	|	|	|	1.93
79.333	0.00	0.13	0.145	IO	|	|	|	|	1.92
79.417	0.00	0.13	0.144	IO	|	|	|	|	1.90
79.500	0.00	0.13	0.143	IO	|	|	|	|	1.89
79.583	0.00	0.13	0.142	IO	|	|	|	|	1.88
79.667	0.00	0.13	0.141	IO	|	|	|	|	1.86
79.750	0.00	0.13	0.140	IO	|	|	|	|	1.85
79.833	0.00	0.13	0.139	IO	|	|	|	|	1.84
79.917	0.00	0.13	0.138	IO	|	|	|	|	1.82
80.000	0.00	0.13	0.137	IO	|	|	|	|	1.81
80.083	0.00	0.13	0.136	IO	|	|	|	|	1.80
80.167	0.00	0.13	0.136	IO	|	|	|	|	1.78
80.250	0.00	0.13	0.135	IO	|	|	|	|	1.77
80.333	0.00	0.13	0.134	IO	|	|	|	|	1.76
80.417	0.00	0.13	0.133	IO	|	|	|	|	1.74
80.500	0.00	0.13	0.132	IO	|	|	|	|	1.73
80.583	0.00	0.13	0.131	IO	|	|	|	|	1.72
80.667	0.00	0.13	0.130	IO	|	|	|	|	1.70
80.750	0.00	0.13	0.129	IO	|	|	|	|	1.69
80.833	0.00	0.13	0.128	IO	|	|	|	|	1.68
80.917	0.00	0.13	0.128	IO	|	|	|	|	1.67
81.000	0.00	0.13	0.127	IO	|	|	|	|	1.66
81.083	0.00	0.13	0.126	IO	|	|	|	|	1.64
81.167	0.00	0.13	0.125	IO	|	|	|	|	1.63
81.250	0.00	0.13	0.124	IO	|	|	|	|	1.62
81.333	0.00	0.13	0.123	IO	|	|	|	|	1.61
81.417	0.00	0.13	0.122	IO	|	|	|	|	1.60
81.500	0.00	0.13	0.121	IO	|	|	|	|	1.58
81.583	0.00	0.13	0.120	IO	|	|	|	|	1.57
81.667	0.00	0.13	0.119	IO	|	|	|	|	1.56
81.750	0.00	0.13	0.119	IO	|	|	|	|	1.55
81.833	0.00	0.13	0.118	IO	|	|	|	|	1.54
81.917	0.00	0.13	0.117	IO	|	|	|	|	1.52
82.000	0.00	0.13	0.116	IO	|	|	|	|	1.51
82.083	0.00	0.13	0.115	IO	|	|	|	|	1.50
82.167	0.00	0.13	0.114	IO	|	|	|	|	1.49
82.250	0.00	0.13	0.113	IO	|	|	|	|	1.48
82.333	0.00	0.13	0.112	IO	|	|	|	|	1.46
82.417	0.00	0.13	0.111	IO	|	|	|	|	1.45
82.500	0.00	0.13	0.111	IO	|	|	|	|	1.44
82.583	0.00	0.13	0.110	IO	|	|	|	|	1.43
82.667	0.00	0.13	0.109	IO	|	|	|	|	1.42
82.750	0.00	0.13	0.108	IO	|	|	|	|	1.40
82.833	0.00	0.13	0.107	IO	|	|	|	|	1.39
82.917	0.00	0.13	0.106	IO	|	|	|	|	1.38
83.000	0.00	0.13	0.105	IO	|	|	|	|	1.37
83.083	0.00	0.13	0.104	IO	|	|	|	|	1.36
83.167	0.00	0.13	0.103	IO	|	|	|	|	1.34
83.250	0.00	0.13	0.102	IO	|	|	|	|	1.33
83.333	0.00	0.13	0.102	IO	|	|	|	|	1.32
83.417	0.00	0.13	0.101	IO	|	|	|	|	1.31
83.500	0.00	0.13	0.100	IO	|	|	|	|	1.30
83.583	0.00	0.13	0.099	IO	|	|	|	|	1.28
83.667	0.00	0.13	0.098	IO	|	|	|	|	1.27
83.750	0.00	0.13	0.097	IO	|	|	|	|	1.26
83.833	0.00	0.13	0.096	IO	|	|	|	|	1.24
83.917	0.00	0.13	0.095	IO	|	|	|	|	1.23
84.000	0.00	0.13	0.094	IO	|	|	|	|	1.22
84.083	0.00	0.13	0.094	IO	|	|	|	|	1.20
84.167	0.00	0.13	0.093	IO	|	|	|	|	1.19
84.250	0.00	0.13	0.092	IO	|	|	|	|	1.18
84.333	0.00	0.13	0.091	IO	|	|	|	|	1.16

84.417	0.00	0.13	0.090	IO	|	|	|	| 1.15
84.500	0.00	0.13	0.089	IO	|	|	|	| 1.14
84.583	0.00	0.13	0.088	IO	|	|	|	| 1.12
84.667	0.00	0.13	0.087	IO	|	|	|	| 1.11
84.750	0.00	0.13	0.086	IO	|	|	|	| 1.10
84.833	0.00	0.13	0.085	IO	|	|	|	| 1.08
84.917	0.00	0.13	0.085	IO	|	|	|	| 1.07
85.000	0.00	0.13	0.084	IO	|	|	|	| 1.06
85.083	0.00	0.13	0.083	IO	|	|	|	| 1.04
85.167	0.00	0.13	0.082	IO	|	|	|	| 1.03
85.250	0.00	0.13	0.081	IO	|	|	|	| 1.01
85.333	0.00	0.13	0.080	IO	|	|	|	| 1.00
85.417	0.00	0.13	0.079	IO	|	|	|	| 0.99
85.500	0.00	0.13	0.078	IO	|	|	|	| 0.98
85.583	0.00	0.13	0.077	IO	|	|	|	| 0.97
85.667	0.00	0.12	0.077	IO	|	|	|	| 0.96
85.750	0.00	0.12	0.076	IO	|	|	|	| 0.95
85.833	0.00	0.12	0.075	IO	|	|	|	| 0.94
85.917	0.00	0.12	0.074	IO	|	|	|	| 0.93
86.000	0.00	0.12	0.073	IO	|	|	|	| 0.92
86.083	0.00	0.12	0.072	IO	|	|	|	| 0.91
86.167	0.00	0.12	0.072	IO	|	|	|	| 0.90
86.250	0.00	0.12	0.071	IO	|	|	|	| 0.89
86.333	0.00	0.11	0.070	IO	|	|	|	| 0.88
86.417	0.00	0.11	0.069	IO	|	|	|	| 0.87
86.500	0.00	0.11	0.068	IO	|	|	|	| 0.86
86.583	0.00	0.11	0.068	IO	|	|	|	| 0.85
86.667	0.00	0.11	0.067	IO	|	|	|	| 0.84
86.750	0.00	0.11	0.066	IO	|	|	|	| 0.83
86.833	0.00	0.11	0.065	IO	|	|	|	| 0.82
86.917	0.00	0.11	0.065	IO	|	|	|	| 0.81
87.000	0.00	0.10	0.064	IO	|	|	|	| 0.80
87.083	0.00	0.10	0.063	IO	|	|	|	| 0.79
87.167	0.00	0.10	0.063	IO	|	|	|	| 0.78
87.250	0.00	0.10	0.062	O	|	|	|	| 0.77
87.333	0.00	0.10	0.061	O	|	|	|	| 0.77
87.417	0.00	0.10	0.061	O	|	|	|	| 0.76
87.500	0.00	0.10	0.060	O	|	|	|	| 0.75
87.583	0.00	0.10	0.059	O	|	|	|	| 0.74
87.667	0.00	0.10	0.059	O	|	|	|	| 0.73
87.750	0.00	0.09	0.058	O	|	|	|	| 0.72
87.833	0.00	0.09	0.057	O	|	|	|	| 0.72
87.917	0.00	0.09	0.057	O	|	|	|	| 0.71
88.000	0.00	0.09	0.056	O	|	|	|	| 0.70
88.083	0.00	0.09	0.055	O	|	|	|	| 0.69
88.167	0.00	0.09	0.055	O	|	|	|	| 0.68
88.250	0.00	0.09	0.054	O	|	|	|	| 0.68
88.333	0.00	0.09	0.054	O	|	|	|	| 0.67
88.417	0.00	0.09	0.053	O	|	|	|	| 0.66
88.500	0.00	0.09	0.052	O	|	|	|	| 0.65
88.583	0.00	0.08	0.052	O	|	|	|	| 0.65
88.667	0.00	0.08	0.051	O	|	|	|	| 0.64
88.750	0.00	0.08	0.051	O	|	|	|	| 0.63
88.833	0.00	0.08	0.050	O	|	|	|	| 0.63
88.917	0.00	0.08	0.049	O	|	|	|	| 0.62
89.000	0.00	0.08	0.049	O	|	|	|	| 0.61
89.083	0.00	0.08	0.048	O	|	|	|	| 0.61
89.167	0.00	0.08	0.048	O	|	|	|	| 0.60
89.250	0.00	0.08	0.047	O	|	|	|	| 0.59
89.333	0.00	0.08	0.047	O	|	|	|	| 0.59
89.417	0.00	0.08	0.046	O	|	|	|	| 0.58
89.500	0.00	0.07	0.046	O	|	|	|	| 0.57
89.583	0.00	0.07	0.045	O	|	|	|	| 0.57
89.667	0.00	0.07	0.045	O	|	|	|	| 0.56
89.750	0.00	0.07	0.044	O	|	|	|	| 0.55
89.833	0.00	0.07	0.044	O	|	|	|	| 0.55
89.917	0.00	0.07	0.043	O	|	|	|	| 0.54
90.000	0.00	0.07	0.043	O	|	|	|	| 0.53

90.083	0.00	0.07	0.042	O	|	|	|	|	0.53
90.167	0.00	0.07	0.042	O	|	|	|	|	0.52
90.250	0.00	0.07	0.041	O	|	|	|	|	0.52
90.333	0.00	0.07	0.041	O	|	|	|	|	0.51
90.417	0.00	0.07	0.040	O	|	|	|	|	0.51
90.500	0.00	0.07	0.040	O	|	|	|	|	0.50
90.583	0.00	0.06	0.040	O	|	|	|	|	0.49
90.667	0.00	0.06	0.039	O	|	|	|	|	0.49
90.750	0.00	0.06	0.039	O	|	|	|	|	0.48
90.833	0.00	0.06	0.038	O	|	|	|	|	0.48
90.917	0.00	0.06	0.038	O	|	|	|	|	0.47
91.000	0.00	0.06	0.037	O	|	|	|	|	0.47
91.083	0.00	0.06	0.037	O	|	|	|	|	0.46
91.167	0.00	0.06	0.037	O	|	|	|	|	0.46
91.250	0.00	0.06	0.036	O	|	|	|	|	0.45
91.333	0.00	0.06	0.036	O	|	|	|	|	0.45
91.417	0.00	0.06	0.035	O	|	|	|	|	0.44
91.500	0.00	0.06	0.035	O	|	|	|	|	0.44
91.583	0.00	0.06	0.035	O	|	|	|	|	0.43
91.667	0.00	0.06	0.034	O	|	|	|	|	0.43
91.750	0.00	0.05	0.034	O	|	|	|	|	0.42
91.833	0.00	0.05	0.033	O	|	|	|	|	0.42
91.917	0.00	0.05	0.033	O	|	|	|	|	0.41
92.000	0.00	0.05	0.033	O	|	|	|	|	0.41
92.083	0.00	0.05	0.032	O	|	|	|	|	0.40
92.167	0.00	0.05	0.032	O	|	|	|	|	0.40
92.250	0.00	0.05	0.032	O	|	|	|	|	0.40
92.333	0.00	0.05	0.031	O	|	|	|	|	0.39
92.417	0.00	0.05	0.031	O	|	|	|	|	0.39
92.500	0.00	0.05	0.031	O	|	|	|	|	0.38
92.583	0.00	0.05	0.030	O	|	|	|	|	0.38
92.667	0.00	0.05	0.030	O	|	|	|	|	0.37
92.750	0.00	0.05	0.030	O	|	|	|	|	0.37
92.833	0.00	0.05	0.029	O	|	|	|	|	0.37
92.917	0.00	0.05	0.029	O	|	|	|	|	0.36
93.000	0.00	0.05	0.029	O	|	|	|	|	0.36
93.083	0.00	0.05	0.028	O	|	|	|	|	0.35
93.167	0.00	0.05	0.028	O	|	|	|	|	0.35
93.250	0.00	0.04	0.028	O	|	|	|	|	0.35
93.333	0.00	0.04	0.027	O	|	|	|	|	0.34
93.417	0.00	0.04	0.027	O	|	|	|	|	0.34
93.500	0.00	0.04	0.027	O	|	|	|	|	0.33
93.583	0.00	0.04	0.026	O	|	|	|	|	0.33
93.667	0.00	0.04	0.026	O	|	|	|	|	0.33
93.750	0.00	0.04	0.026	O	|	|	|	|	0.32
93.833	0.00	0.04	0.026	O	|	|	|	|	0.32
93.917	0.00	0.04	0.025	O	|	|	|	|	0.32
94.000	0.00	0.04	0.025	O	|	|	|	|	0.31
94.083	0.00	0.04	0.025	O	|	|	|	|	0.31
94.167	0.00	0.04	0.024	O	|	|	|	|	0.31
94.250	0.00	0.04	0.024	O	|	|	|	|	0.30
94.333	0.00	0.04	0.024	O	|	|	|	|	0.30
94.417	0.00	0.04	0.024	O	|	|	|	|	0.30
94.500	0.00	0.04	0.023	O	|	|	|	|	0.29
94.583	0.00	0.04	0.023	O	|	|	|	|	0.29
94.667	0.00	0.04	0.023	O	|	|	|	|	0.29
94.750	0.00	0.04	0.023	O	|	|	|	|	0.28
94.833	0.00	0.04	0.022	O	|	|	|	|	0.28
94.917	0.00	0.04	0.022	O	|	|	|	|	0.28
95.000	0.00	0.04	0.022	O	|	|	|	|	0.27
95.083	0.00	0.04	0.022	O	|	|	|	|	0.27
95.167	0.00	0.03	0.021	O	|	|	|	|	0.27
95.250	0.00	0.03	0.021	O	|	|	|	|	0.26
95.333	0.00	0.03	0.021	O	|	|	|	|	0.26
95.417	0.00	0.03	0.021	O	|	|	|	|	0.26
95.500	0.00	0.03	0.020	O	|	|	|	|	0.26
95.583	0.00	0.03	0.020	O	|	|	|	|	0.25
95.667	0.00	0.03	0.020	O	|	|	|	|	0.25

95.750	0.00	0.03	0.020	O	|	|	|	|	0.25
95.833	0.00	0.03	0.020	O	|	|	|	|	0.24
95.917	0.00	0.03	0.019	O	|	|	|	|	0.24
96.000	0.00	0.03	0.019	O	|	|	|	|	0.24
96.083	0.00	0.03	0.019	O	|	|	|	|	0.24
96.167	0.00	0.03	0.019	O	|	|	|	|	0.23
96.250	0.00	0.03	0.018	O	|	|	|	|	0.23
96.333	0.00	0.03	0.018	O	|	|	|	|	0.23
96.417	0.00	0.03	0.018	O	|	|	|	|	0.23
96.500	0.00	0.03	0.018	O	|	|	|	|	0.22
96.583	0.00	0.03	0.018	O	|	|	|	|	0.22
96.667	0.00	0.03	0.017	O	|	|	|	|	0.22
96.750	0.00	0.03	0.017	O	|	|	|	|	0.22
96.833	0.00	0.03	0.017	O	|	|	|	|	0.21
96.917	0.00	0.03	0.017	O	|	|	|	|	0.21
97.000	0.00	0.03	0.017	O	|	|	|	|	0.21
97.083	0.00	0.03	0.017	O	|	|	|	|	0.21
97.167	0.00	0.03	0.016	O	|	|	|	|	0.20
97.250	0.00	0.03	0.016	O	|	|	|	|	0.20
97.333	0.00	0.03	0.016	O	|	|	|	|	0.20
97.417	0.00	0.03	0.016	O	|	|	|	|	0.20
97.500	0.00	0.03	0.016	O	|	|	|	|	0.20
97.583	0.00	0.03	0.015	O	|	|	|	|	0.19
97.667	0.00	0.02	0.015	O	|	|	|	|	0.19
97.750	0.00	0.02	0.015	O	|	|	|	|	0.19
97.833	0.00	0.02	0.015	O	|	|	|	|	0.19
97.917	0.00	0.02	0.015	O	|	|	|	|	0.18
98.000	0.00	0.02	0.015	O	|	|	|	|	0.18
98.083	0.00	0.02	0.014	O	|	|	|	|	0.18
98.167	0.00	0.02	0.014	O	|	|	|	|	0.18
98.250	0.00	0.02	0.014	O	|	|	|	|	0.18
98.333	0.00	0.02	0.014	O	|	|	|	|	0.17
98.417	0.00	0.02	0.014	O	|	|	|	|	0.17
98.500	0.00	0.02	0.014	O	|	|	|	|	0.17
98.583	0.00	0.02	0.014	O	|	|	|	|	0.17
98.667	0.00	0.02	0.013	O	|	|	|	|	0.17
98.750	0.00	0.02	0.013	O	|	|	|	|	0.17
98.833	0.00	0.02	0.013	O	|	|	|	|	0.16
98.917	0.00	0.02	0.013	O	|	|	|	|	0.16
99.000	0.00	0.02	0.013	O	|	|	|	|	0.16
99.083	0.00	0.02	0.013	O	|	|	|	|	0.16
99.167	0.00	0.02	0.012	O	|	|	|	|	0.16
99.250	0.00	0.02	0.012	O	|	|	|	|	0.15
99.333	0.00	0.02	0.012	O	|	|	|	|	0.15
99.417	0.00	0.02	0.012	O	|	|	|	|	0.15
99.500	0.00	0.02	0.012	O	|	|	|	|	0.15
99.583	0.00	0.02	0.012	O	|	|	|	|	0.15
99.667	0.00	0.02	0.012	O	|	|	|	|	0.15
99.750	0.00	0.02	0.012	O	|	|	|	|	0.14
99.833	0.00	0.02	0.011	O	|	|	|	|	0.14
99.917	0.00	0.02	0.011	O	|	|	|	|	0.14
100.000	0.00	0.02	0.011	O	|	|	|	|	0.14
100.083	0.00	0.02	0.011	O	|	|	|	|	0.14
100.167	0.00	0.02	0.011	O	|	|	|	|	0.14
100.250	0.00	0.02	0.011	O	|	|	|	|	0.14
100.333	0.00	0.02	0.011	O	|	|	|	|	0.13
100.417	0.00	0.02	0.011	O	|	|	|	|	0.13
100.500	0.00	0.02	0.010	O	|	|	|	|	0.13
100.583	0.00	0.02	0.010	O	|	|	|	|	0.13
100.667	0.00	0.02	0.010	O	|	|	|	|	0.13
100.750	0.00	0.02	0.010	O	|	|	|	|	0.13
100.833	0.00	0.02	0.010	O	|	|	|	|	0.12
100.917	0.00	0.02	0.010	O	|	|	|	|	0.12
101.000	0.00	0.02	0.010	O	|	|	|	|	0.12
101.083	0.00	0.02	0.010	O	|	|	|	|	0.12
101.167	0.00	0.02	0.010	O	|	|	|	|	0.12
101.250	0.00	0.02	0.009	O	|	|	|	|	0.12
101.333	0.00	0.02	0.009	O	|	|	|	|	0.12

101.417	0.00	0.02	0.009	O	|	|	|	|	0.12
101.500	0.00	0.01	0.009	O	|	|	|	|	0.11
101.583	0.00	0.01	0.009	O	|	|	|	|	0.11
101.667	0.00	0.01	0.009	O	|	|	|	|	0.11
101.750	0.00	0.01	0.009	O	|	|	|	|	0.11
101.833	0.00	0.01	0.009	O	|	|	|	|	0.11
101.917	0.00	0.01	0.009	O	|	|	|	|	0.11
102.000	0.00	0.01	0.009	O	|	|	|	|	0.11
102.083	0.00	0.01	0.008	O	|	|	|	|	0.11
102.167	0.00	0.01	0.008	O	|	|	|	|	0.10
102.250	0.00	0.01	0.008	O	|	|	|	|	0.10
102.333	0.00	0.01	0.008	O	|	|	|	|	0.10
102.417	0.00	0.01	0.008	O	|	|	|	|	0.10
102.500	0.00	0.01	0.008	O	|	|	|	|	0.10
102.583	0.00	0.01	0.008	O	|	|	|	|	0.10
102.667	0.00	0.01	0.008	O	|	|	|	|	0.10
102.750	0.00	0.01	0.008	O	|	|	|	|	0.10
102.833	0.00	0.01	0.008	O	|	|	|	|	0.10
102.917	0.00	0.01	0.008	O	|	|	|	|	0.09
103.000	0.00	0.01	0.007	O	|	|	|	|	0.09
103.083	0.00	0.01	0.007	O	|	|	|	|	0.09
103.167	0.00	0.01	0.007	O	|	|	|	|	0.09
103.250	0.00	0.01	0.007	O	|	|	|	|	0.09
103.333	0.00	0.01	0.007	O	|	|	|	|	0.09
103.417	0.00	0.01	0.007	O	|	|	|	|	0.09
103.500	0.00	0.01	0.007	O	|	|	|	|	0.09
103.583	0.00	0.01	0.007	O	|	|	|	|	0.09
103.667	0.00	0.01	0.007	O	|	|	|	|	0.09
103.750	0.00	0.01	0.007	O	|	|	|	|	0.08
103.833	0.00	0.01	0.007	O	|	|	|	|	0.08
103.917	0.00	0.01	0.007	O	|	|	|	|	0.08
104.000	0.00	0.01	0.007	O	|	|	|	|	0.08
104.083	0.00	0.01	0.006	O	|	|	|	|	0.08
104.167	0.00	0.01	0.006	O	|	|	|	|	0.08
104.250	0.00	0.01	0.006	O	|	|	|	|	0.08
104.333	0.00	0.01	0.006	O	|	|	|	|	0.08
104.417	0.00	0.01	0.006	O	|	|	|	|	0.08
104.500	0.00	0.01	0.006	O	|	|	|	|	0.08
104.583	0.00	0.01	0.006	O	|	|	|	|	0.08
104.667	0.00	0.01	0.006	O	|	|	|	|	0.07
104.750	0.00	0.01	0.006	O	|	|	|	|	0.07
104.833	0.00	0.01	0.006	O	|	|	|	|	0.07
104.917	0.00	0.01	0.006	O	|	|	|	|	0.07
105.000	0.00	0.01	0.006	O	|	|	|	|	0.07
105.083	0.00	0.01	0.006	O	|	|	|	|	0.07
105.167	0.00	0.01	0.006	O	|	|	|	|	0.07
105.250	0.00	0.01	0.006	O	|	|	|	|	0.07
105.333	0.00	0.01	0.005	O	|	|	|	|	0.07
105.417	0.00	0.01	0.005	O	|	|	|	|	0.07
105.500	0.00	0.01	0.005	O	|	|	|	|	0.07
105.583	0.00	0.01	0.005	O	|	|	|	|	0.07
105.667	0.00	0.01	0.005	O	|	|	|	|	0.07
105.750	0.00	0.01	0.005	O	|	|	|	|	0.06
105.833	0.00	0.01	0.005	O	|	|	|	|	0.06
105.917	0.00	0.01	0.005	O	|	|	|	|	0.06
106.000	0.00	0.01	0.005	O	|	|	|	|	0.06
106.083	0.00	0.01	0.005	O	|	|	|	|	0.06
106.167	0.00	0.01	0.005	O	|	|	|	|	0.06
106.250	0.00	0.01	0.005	O	|	|	|	|	0.06
106.333	0.00	0.01	0.005	O	|	|	|	|	0.06
106.417	0.00	0.01	0.005	O	|	|	|	|	0.06
106.500	0.00	0.01	0.005	O	|	|	|	|	0.06
106.583	0.00	0.01	0.005	O	|	|	|	|	0.06
106.667	0.00	0.01	0.005	O	|	|	|	|	0.06
106.750	0.00	0.01	0.005	O	|	|	|	|	0.06
106.833	0.00	0.01	0.004	O	|	|	|	|	0.06
106.917	0.00	0.01	0.004	O	|	|	|	|	0.06
107.000	0.00	0.01	0.004	O	|	|	|	|	0.05

107.083	0.00	0.01	0.004	O	|	|	|	|	0.05
107.167	0.00	0.01	0.004	O	|	|	|	|	0.05
107.250	0.00	0.01	0.004	O	|	|	|	|	0.05
107.333	0.00	0.01	0.004	O	|	|	|	|	0.05
107.417	0.00	0.01	0.004	O	|	|	|	|	0.05
107.500	0.00	0.01	0.004	O	|	|	|	|	0.05
107.583	0.00	0.01	0.004	O	|	|	|	|	0.05
107.667	0.00	0.01	0.004	O	|	|	|	|	0.05
107.750	0.00	0.01	0.004	O	|	|	|	|	0.05
107.833	0.00	0.01	0.004	O	|	|	|	|	0.05
107.917	0.00	0.01	0.004	O	|	|	|	|	0.05
108.000	0.00	0.01	0.004	O	|	|	|	|	0.05
108.083	0.00	0.01	0.004	O	|	|	|	|	0.05
108.167	0.00	0.01	0.004	O	|	|	|	|	0.05
108.250	0.00	0.01	0.004	O	|	|	|	|	0.05
108.333	0.00	0.01	0.004	O	|	|	|	|	0.05
108.417	0.00	0.01	0.004	O	|	|	|	|	0.05
108.500	0.00	0.01	0.004	O	|	|	|	|	0.04
108.583	0.00	0.01	0.004	O	|	|	|	|	0.04
108.667	0.00	0.01	0.003	O	|	|	|	|	0.04
108.750	0.00	0.01	0.003	O	|	|	|	|	0.04
108.833	0.00	0.01	0.003	O	|	|	|	|	0.04
108.917	0.00	0.01	0.003	O	|	|	|	|	0.04
109.000	0.00	0.01	0.003	O	|	|	|	|	0.04
109.083	0.00	0.01	0.003	O	|	|	|	|	0.04
109.167	0.00	0.01	0.003	O	|	|	|	|	0.04
109.250	0.00	0.01	0.003	O	|	|	|	|	0.04
109.333	0.00	0.01	0.003	O	|	|	|	|	0.04
109.417	0.00	0.01	0.003	O	|	|	|	|	0.04
109.500	0.00	0.01	0.003	O	|	|	|	|	0.04
109.583	0.00	0.01	0.003	O	|	|	|	|	0.04
109.667	0.00	0.00	0.003	O	|	|	|	|	0.04
109.750	0.00	0.00	0.003	O	|	|	|	|	0.04
109.833	0.00	0.00	0.003	O	|	|	|	|	0.04
109.917	0.00	0.00	0.003	O	|	|	|	|	0.04
110.000	0.00	0.00	0.003	O	|	|	|	|	0.04
110.083	0.00	0.00	0.003	O	|	|	|	|	0.04
110.167	0.00	0.00	0.003	O	|	|	|	|	0.04
110.250	0.00	0.00	0.003	O	|	|	|	|	0.04
110.333	0.00	0.00	0.003	O	|	|	|	|	0.03
110.417	0.00	0.00	0.003	O	|	|	|	|	0.03
110.500	0.00	0.00	0.003	O	|	|	|	|	0.03
110.583	0.00	0.00	0.003	O	|	|	|	|	0.03
110.667	0.00	0.00	0.003	O	|	|	|	|	0.03
110.750	0.00	0.00	0.003	O	|	|	|	|	0.03
110.833	0.00	0.00	0.003	O	|	|	|	|	0.03
110.917	0.00	0.00	0.003	O	|	|	|	|	0.03
111.000	0.00	0.00	0.003	O	|	|	|	|	0.03
111.083	0.00	0.00	0.003	O	|	|	|	|	0.03
111.167	0.00	0.00	0.002	O	|	|	|	|	0.03
111.250	0.00	0.00	0.002	O	|	|	|	|	0.03
111.333	0.00	0.00	0.002	O	|	|	|	|	0.03
111.417	0.00	0.00	0.002	O	|	|	|	|	0.03
111.500	0.00	0.00	0.002	O	|	|	|	|	0.03
111.583	0.00	0.00	0.002	O	|	|	|	|	0.03
111.667	0.00	0.00	0.002	O	|	|	|	|	0.03
111.750	0.00	0.00	0.002	O	|	|	|	|	0.03
111.833	0.00	0.00	0.002	O	|	|	|	|	0.03
111.917	0.00	0.00	0.002	O	|	|	|	|	0.03
112.000	0.00	0.00	0.002	O	|	|	|	|	0.03
112.083	0.00	0.00	0.002	O	|	|	|	|	0.03
112.167	0.00	0.00	0.002	O	|	|	|	|	0.03
112.250	0.00	0.00	0.002	O	|	|	|	|	0.03
112.333	0.00	0.00	0.002	O	|	|	|	|	0.03
112.417	0.00	0.00	0.002	O	|	|	|	|	0.03
112.500	0.00	0.00	0.002	O	|	|	|	|	0.03
112.583	0.00	0.00	0.002	O	|	|	|	|	0.03
112.667	0.00	0.00	0.002	O	|	|	|	|	0.03

112.750	0.00	0.00	0.002	O	|	|	|	|	0.03
112.833	0.00	0.00	0.002	O	|	|	|	|	0.02
112.917	0.00	0.00	0.002	O	|	|	|	|	0.02
113.000	0.00	0.00	0.002	O	|	|	|	|	0.02
113.083	0.00	0.00	0.002	O	|	|	|	|	0.02
113.167	0.00	0.00	0.002	O	|	|	|	|	0.02
113.250	0.00	0.00	0.002	O	|	|	|	|	0.02
113.333	0.00	0.00	0.002	O	|	|	|	|	0.02
113.417	0.00	0.00	0.002	O	|	|	|	|	0.02
113.500	0.00	0.00	0.002	O	|	|	|	|	0.02
113.583	0.00	0.00	0.002	O	|	|	|	|	0.02
113.667	0.00	0.00	0.002	O	|	|	|	|	0.02
113.750	0.00	0.00	0.002	O	|	|	|	|	0.02
113.833	0.00	0.00	0.002	O	|	|	|	|	0.02
113.917	0.00	0.00	0.002	O	|	|	|	|	0.02
114.000	0.00	0.00	0.002	O	|	|	|	|	0.02
114.083	0.00	0.00	0.002	O	|	|	|	|	0.02
114.167	0.00	0.00	0.002	O	|	|	|	|	0.02
114.250	0.00	0.00	0.002	O	|	|	|	|	0.02
114.333	0.00	0.00	0.002	O	|	|	|	|	0.02
114.417	0.00	0.00	0.002	O	|	|	|	|	0.02
114.500	0.00	0.00	0.002	O	|	|	|	|	0.02
114.583	0.00	0.00	0.002	O	|	|	|	|	0.02
114.667	0.00	0.00	0.002	O	|	|	|	|	0.02
114.750	0.00	0.00	0.002	O	|	|	|	|	0.02
114.833	0.00	0.00	0.002	O	|	|	|	|	0.02
114.917	0.00	0.00	0.002	O	|	|	|	|	0.02
115.000	0.00	0.00	0.001	O	|	|	|	|	0.02
115.083	0.00	0.00	0.001	O	|	|	|	|	0.02
115.167	0.00	0.00	0.001	O	|	|	|	|	0.02
115.250	0.00	0.00	0.001	O	|	|	|	|	0.02
115.333	0.00	0.00	0.001	O	|	|	|	|	0.02
115.417	0.00	0.00	0.001	O	|	|	|	|	0.02
115.500	0.00	0.00	0.001	O	|	|	|	|	0.02
115.583	0.00	0.00	0.001	O	|	|	|	|	0.02
115.667	0.00	0.00	0.001	O	|	|	|	|	0.02
115.750	0.00	0.00	0.001	O	|	|	|	|	0.02
115.833	0.00	0.00	0.001	O	|	|	|	|	0.02
115.917	0.00	0.00	0.001	O	|	|	|	|	0.02
116.000	0.00	0.00	0.001	O	|	|	|	|	0.02
116.083	0.00	0.00	0.001	O	|	|	|	|	0.02
116.167	0.00	0.00	0.001	O	|	|	|	|	0.02
116.250	0.00	0.00	0.001	O	|	|	|	|	0.02
116.333	0.00	0.00	0.001	O	|	|	|	|	0.02
116.417	0.00	0.00	0.001	O	|	|	|	|	0.02
116.500	0.00	0.00	0.001	O	|	|	|	|	0.02
116.583	0.00	0.00	0.001	O	|	|	|	|	0.02
116.667	0.00	0.00	0.001	O	|	|	|	|	0.01
116.750	0.00	0.00	0.001	O	|	|	|	|	0.01
116.833	0.00	0.00	0.001	O	|	|	|	|	0.01
116.917	0.00	0.00	0.001	O	|	|	|	|	0.01
117.000	0.00	0.00	0.001	O	|	|	|	|	0.01
117.083	0.00	0.00	0.001	O	|	|	|	|	0.01
117.167	0.00	0.00	0.001	O	|	|	|	|	0.01
117.250	0.00	0.00	0.001	O	|	|	|	|	0.01
117.333	0.00	0.00	0.001	O	|	|	|	|	0.01
117.417	0.00	0.00	0.001	O	|	|	|	|	0.01
117.500	0.00	0.00	0.001	O	|	|	|	|	0.01
117.583	0.00	0.00	0.001	O	|	|	|	|	0.01
117.667	0.00	0.00	0.001	O	|	|	|	|	0.01
117.750	0.00	0.00	0.001	O	|	|	|	|	0.01
117.833	0.00	0.00	0.001	O	|	|	|	|	0.01
117.917	0.00	0.00	0.001	O	|	|	|	|	0.01
118.000	0.00	0.00	0.001	O	|	|	|	|	0.01
118.083	0.00	0.00	0.001	O	|	|	|	|	0.01
118.167	0.00	0.00	0.001	O	|	|	|	|	0.01
118.250	0.00	0.00	0.001	O	|	|	|	|	0.01
118.333	0.00	0.00	0.001	O	|	|	|	|	0.01

118.417	0.00	0.00	0.001	O	|	|	|	|	0.01
118.500	0.00	0.00	0.001	O	|	|	|	|	0.01
118.583	0.00	0.00	0.001	O	|	|	|	|	0.01
118.667	0.00	0.00	0.001	O	|	|	|	|	0.01
118.750	0.00	0.00	0.001	O	|	|	|	|	0.01
118.833	0.00	0.00	0.001	O	|	|	|	|	0.01
118.917	0.00	0.00	0.001	O	|	|	|	|	0.01
119.000	0.00	0.00	0.001	O	|	|	|	|	0.01
119.083	0.00	0.00	0.001	O	|	|	|	|	0.01
119.167	0.00	0.00	0.001	O	|	|	|	|	0.01
119.250	0.00	0.00	0.001	O	|	|	|	|	0.01
119.333	0.00	0.00	0.001	O	|	|	|	|	0.01
119.417	0.00	0.00	0.001	O	|	|	|	|	0.01
119.500	0.00	0.00	0.001	O	|	|	|	|	0.01
119.583	0.00	0.00	0.001	O	|	|	|	|	0.01
119.667	0.00	0.00	0.001	O	|	|	|	|	0.01
119.750	0.00	0.00	0.001	O	|	|	|	|	0.01
119.833	0.00	0.00	0.001	O	|	|	|	|	0.01
119.917	0.00	0.00	0.001	O	|	|	|	|	0.01
120.000	0.00	0.00	0.001	O	|	|	|	|	0.01
120.083	0.00	0.00	0.001	O	|	|	|	|	0.01
120.167	0.00	0.00	0.001	O	|	|	|	|	0.01
120.250	0.00	0.00	0.001	O	|	|	|	|	0.01
120.333	0.00	0.00	0.001	O	|	|	|	|	0.01
120.417	0.00	0.00	0.001	O	|	|	|	|	0.01
120.500	0.00	0.00	0.001	O	|	|	|	|	0.01
120.583	0.00	0.00	0.001	O	|	|	|	|	0.01
120.667	0.00	0.00	0.001	O	|	|	|	|	0.01
120.750	0.00	0.00	0.001	O	|	|	|	|	0.01
120.833	0.00	0.00	0.001	O	|	|	|	|	0.01
120.917	0.00	0.00	0.001	O	|	|	|	|	0.01
121.000	0.00	0.00	0.001	O	|	|	|	|	0.01
121.083	0.00	0.00	0.001	O	|	|	|	|	0.01
121.167	0.00	0.00	0.001	O	|	|	|	|	0.01
121.250	0.00	0.00	0.001	O	|	|	|	|	0.01
121.333	0.00	0.00	0.001	O	|	|	|	|	0.01
121.417	0.00	0.00	0.001	O	|	|	|	|	0.01
121.500	0.00	0.00	0.001	O	|	|	|	|	0.01
121.583	0.00	0.00	0.001	O	|	|	|	|	0.01
121.667	0.00	0.00	0.001	O	|	|	|	|	0.01

**********HYDROGRAPH DATA**********

Number of intervals = 1460
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 1.032 (CFS)
Total volume = 1.958 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

U n i t H y d r o g r a p h A n a l y s i s

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Study date 03/16/22 File: exa102410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
English Units used in output format

EXISTING UNIT HYDROGRAPH
10-YR 24HR STORM
TTM# 38171

Drainage Area = 19.30(Ac.) = 0.030 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 19.30(Ac.) = 0.030 Sq. Mi.
Length along longest watercourse = 2086.00(Ft.)
Length along longest watercourse measured to centroid = 991.64(Ft.)
Length along longest watercourse = 0.395 Mi.
Length along longest watercourse measured to centroid = 0.188 Mi.
Difference in elevation = 144.00(Ft.)
Slope along watercourse = 364.4871 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.087 Hr.
Lag time = 5.24 Min.
25% of lag time = 1.31 Min.
40% of lag time = 2.10 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
19.30	2.50	48.25

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
19.30	6.00	115.80

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 2.500(In)
Area Averaged 100-Year Rainfall = 6.000(In)

Point rain (area averaged) = 3.940(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 3.940(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
19.300	86.00	0.000

Total Area Entered = 19.30(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
86.0	86.0	0.176	0.000	0.176	1.000	0.176
					Sum (F) =	0.176

Area averaged mean soil loss (F) (In/Hr) = 0.176

Minimum soil loss rate ((In/Hr)) = 0.088
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	95.379	17.788	3.460
2	0.167	190.758	47.940	9.325
3	0.250	286.138	16.389	3.188
4	0.333	381.517	7.317	1.423
5	0.417	476.896	4.171	0.811
6	0.500	572.275	2.703	0.526
7	0.583	667.654	1.749	0.340
8	0.667	763.034	1.097	0.213
9	0.750	858.413	0.847	0.165
		Sum = 100.000	Sum=	19.451

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.07	0.032	(0.311)		0.028	0.003
2	0.17	0.07	0.032	(0.310)		0.028	0.003
3	0.25	0.07	0.032	(0.309)		0.028	0.003
4	0.33	0.10	0.047	(0.308)		0.043	0.005
5	0.42	0.10	0.047	(0.306)		0.043	0.005
6	0.50	0.10	0.047	(0.305)		0.043	0.005
7	0.58	0.10	0.047	(0.304)		0.043	0.005
8	0.67	0.10	0.047	(0.303)		0.043	0.005
9	0.75	0.10	0.047	(0.302)		0.043	0.005
10	0.83	0.13	0.063	(0.301)		0.057	0.006
11	0.92	0.13	0.063	(0.299)		0.057	0.006
12	1.00	0.13	0.063	(0.298)		0.057	0.006
13	1.08	0.10	0.047	(0.297)		0.043	0.005
14	1.17	0.10	0.047	(0.296)		0.043	0.005
15	1.25	0.10	0.047	(0.295)		0.043	0.005
16	1.33	0.10	0.047	(0.293)		0.043	0.005
17	1.42	0.10	0.047	(0.292)		0.043	0.005
18	1.50	0.10	0.047	(0.291)		0.043	0.005
19	1.58	0.10	0.047	(0.290)		0.043	0.005
20	1.67	0.10	0.047	(0.289)		0.043	0.005
21	1.75	0.10	0.047	(0.288)		0.043	0.005
22	1.83	0.13	0.063	(0.287)		0.057	0.006
23	1.92	0.13	0.063	(0.285)		0.057	0.006
24	2.00	0.13	0.063	(0.284)		0.057	0.006
25	2.08	0.13	0.063	(0.283)		0.057	0.006
26	2.17	0.13	0.063	(0.282)		0.057	0.006
27	2.25	0.13	0.063	(0.281)		0.057	0.006
28	2.33	0.13	0.063	(0.280)		0.057	0.006
29	2.42	0.13	0.063	(0.278)		0.057	0.006
30	2.50	0.13	0.063	(0.277)		0.057	0.006
31	2.58	0.17	0.079	(0.276)		0.071	0.008
32	2.67	0.17	0.079	(0.275)		0.071	0.008
33	2.75	0.17	0.079	(0.274)		0.071	0.008
34	2.83	0.17	0.079	(0.273)		0.071	0.008
35	2.92	0.17	0.079	(0.272)		0.071	0.008
36	3.00	0.17	0.079	(0.271)		0.071	0.008
37	3.08	0.17	0.079	(0.269)		0.071	0.008

38	3.17	0.17	0.079	(0.268)	0.071	0.008
39	3.25	0.17	0.079	(0.267)	0.071	0.008
40	3.33	0.17	0.079	(0.266)	0.071	0.008
41	3.42	0.17	0.079	(0.265)	0.071	0.008
42	3.50	0.17	0.079	(0.264)	0.071	0.008
43	3.58	0.17	0.079	(0.263)	0.071	0.008
44	3.67	0.17	0.079	(0.262)	0.071	0.008
45	3.75	0.17	0.079	(0.261)	0.071	0.008
46	3.83	0.20	0.095	(0.259)	0.085	0.009
47	3.92	0.20	0.095	(0.258)	0.085	0.009
48	4.00	0.20	0.095	(0.257)	0.085	0.009
49	4.08	0.20	0.095	(0.256)	0.085	0.009
50	4.17	0.20	0.095	(0.255)	0.085	0.009
51	4.25	0.20	0.095	(0.254)	0.085	0.009
52	4.33	0.23	0.110	(0.253)	0.099	0.011
53	4.42	0.23	0.110	(0.252)	0.099	0.011
54	4.50	0.23	0.110	(0.251)	0.099	0.011
55	4.58	0.23	0.110	(0.250)	0.099	0.011
56	4.67	0.23	0.110	(0.249)	0.099	0.011
57	4.75	0.23	0.110	(0.248)	0.099	0.011
58	4.83	0.27	0.126	(0.246)	0.113	0.013
59	4.92	0.27	0.126	(0.245)	0.113	0.013
60	5.00	0.27	0.126	(0.244)	0.113	0.013
61	5.08	0.20	0.095	(0.243)	0.085	0.009
62	5.17	0.20	0.095	(0.242)	0.085	0.009
63	5.25	0.20	0.095	(0.241)	0.085	0.009
64	5.33	0.23	0.110	(0.240)	0.099	0.011
65	5.42	0.23	0.110	(0.239)	0.099	0.011
66	5.50	0.23	0.110	(0.238)	0.099	0.011
67	5.58	0.27	0.126	(0.237)	0.113	0.013
68	5.67	0.27	0.126	(0.236)	0.113	0.013
69	5.75	0.27	0.126	(0.235)	0.113	0.013
70	5.83	0.27	0.126	(0.234)	0.113	0.013
71	5.92	0.27	0.126	(0.233)	0.113	0.013
72	6.00	0.27	0.126	(0.232)	0.113	0.013
73	6.08	0.30	0.142	(0.231)	0.128	0.014
74	6.17	0.30	0.142	(0.230)	0.128	0.014
75	6.25	0.30	0.142	(0.229)	0.128	0.014
76	6.33	0.30	0.142	(0.228)	0.128	0.014
77	6.42	0.30	0.142	(0.227)	0.128	0.014
78	6.50	0.30	0.142	(0.226)	0.128	0.014
79	6.58	0.33	0.158	(0.225)	0.142	0.016
80	6.67	0.33	0.158	(0.224)	0.142	0.016
81	6.75	0.33	0.158	(0.223)	0.142	0.016
82	6.83	0.33	0.158	(0.222)	0.142	0.016
83	6.92	0.33	0.158	(0.221)	0.142	0.016
84	7.00	0.33	0.158	(0.220)	0.142	0.016
85	7.08	0.33	0.158	(0.219)	0.142	0.016
86	7.17	0.33	0.158	(0.218)	0.142	0.016
87	7.25	0.33	0.158	(0.217)	0.142	0.016
88	7.33	0.37	0.173	(0.216)	0.156	0.017
89	7.42	0.37	0.173	(0.215)	0.156	0.017
90	7.50	0.37	0.173	(0.214)	0.156	0.017
91	7.58	0.40	0.189	(0.213)	0.170	0.019
92	7.67	0.40	0.189	(0.212)	0.170	0.019
93	7.75	0.40	0.189	(0.211)	0.170	0.019
94	7.83	0.43	0.205	(0.210)	0.184	0.020
95	7.92	0.43	0.205	(0.209)	0.184	0.020
96	8.00	0.43	0.205	(0.208)	0.184	0.020
97	8.08	0.50	0.236	0.207	(0.213)	0.030
98	8.17	0.50	0.236	0.206	(0.213)	0.030
99	8.25	0.50	0.236	0.205	(0.213)	0.031
100	8.33	0.50	0.236	0.204	(0.213)	0.032
101	8.42	0.50	0.236	0.203	(0.213)	0.033
102	8.50	0.50	0.236	0.202	(0.213)	0.034
103	8.58	0.53	0.252	0.201	(0.227)	0.051
104	8.67	0.53	0.252	0.200	(0.227)	0.052
105	8.75	0.53	0.252	0.199	(0.227)	0.053

106	8.83	0.57	0.268	0.198	(0.241)	0.070
107	8.92	0.57	0.268	0.197	(0.241)	0.071
108	9.00	0.57	0.268	0.196	(0.241)	0.071
109	9.08	0.63	0.299	0.195	(0.269)	0.104
110	9.17	0.63	0.299	0.195	(0.269)	0.105
111	9.25	0.63	0.299	0.194	(0.269)	0.106
112	9.33	0.67	0.315	0.193	(0.284)	0.122
113	9.42	0.67	0.315	0.192	(0.284)	0.123
114	9.50	0.67	0.315	0.191	(0.284)	0.124
115	9.58	0.70	0.331	0.190	(0.298)	0.141
116	9.67	0.70	0.331	0.189	(0.298)	0.142
117	9.75	0.70	0.331	0.188	(0.298)	0.143
118	9.83	0.73	0.347	0.187	(0.312)	0.159
119	9.92	0.73	0.347	0.186	(0.312)	0.160
120	10.00	0.73	0.347	0.185	(0.312)	0.161
121	10.08	0.50	0.236	0.185	(0.213)	0.052
122	10.17	0.50	0.236	0.184	(0.213)	0.053
123	10.25	0.50	0.236	0.183	(0.213)	0.054
124	10.33	0.50	0.236	0.182	(0.213)	0.055
125	10.42	0.50	0.236	0.181	(0.213)	0.055
126	10.50	0.50	0.236	0.180	(0.213)	0.056
127	10.58	0.67	0.315	0.179	(0.284)	0.136
128	10.67	0.67	0.315	0.178	(0.284)	0.137
129	10.75	0.67	0.315	0.177	(0.284)	0.138
130	10.83	0.67	0.315	0.177	(0.284)	0.139
131	10.92	0.67	0.315	0.176	(0.284)	0.139
132	11.00	0.67	0.315	0.175	(0.284)	0.140
133	11.08	0.63	0.299	0.174	(0.269)	0.125
134	11.17	0.63	0.299	0.173	(0.269)	0.126
135	11.25	0.63	0.299	0.172	(0.269)	0.127
136	11.33	0.63	0.299	0.171	(0.269)	0.128
137	11.42	0.63	0.299	0.171	(0.269)	0.129
138	11.50	0.63	0.299	0.170	(0.269)	0.130
139	11.58	0.57	0.268	0.169	(0.241)	0.099
140	11.67	0.57	0.268	0.168	(0.241)	0.100
141	11.75	0.57	0.268	0.167	(0.241)	0.101
142	11.83	0.60	0.284	0.166	(0.255)	0.117
143	11.92	0.60	0.284	0.166	(0.255)	0.118
144	12.00	0.60	0.284	0.165	(0.255)	0.119
145	12.08	0.83	0.394	0.164	(0.355)	0.230
146	12.17	0.83	0.394	0.163	(0.355)	0.231
147	12.25	0.83	0.394	0.162	(0.355)	0.232
148	12.33	0.87	0.410	0.161	(0.369)	0.248
149	12.42	0.87	0.410	0.161	(0.369)	0.249
150	12.50	0.87	0.410	0.160	(0.369)	0.250
151	12.58	0.93	0.441	0.159	(0.397)	0.282
152	12.67	0.93	0.441	0.158	(0.397)	0.283
153	12.75	0.93	0.441	0.157	(0.397)	0.284
154	12.83	0.97	0.457	0.157	(0.411)	0.300
155	12.92	0.97	0.457	0.156	(0.411)	0.301
156	13.00	0.97	0.457	0.155	(0.411)	0.302
157	13.08	1.13	0.536	0.154	(0.482)	0.382
158	13.17	1.13	0.536	0.154	(0.482)	0.382
159	13.25	1.13	0.536	0.153	(0.482)	0.383
160	13.33	1.13	0.536	0.152	(0.482)	0.384
161	13.42	1.13	0.536	0.151	(0.482)	0.385
162	13.50	1.13	0.536	0.150	(0.482)	0.385
163	13.58	0.77	0.362	0.150	(0.326)	0.213
164	13.67	0.77	0.362	0.149	(0.326)	0.214
165	13.75	0.77	0.362	0.148	(0.326)	0.214
166	13.83	0.77	0.362	0.147	(0.326)	0.215
167	13.92	0.77	0.362	0.147	(0.326)	0.216
168	14.00	0.77	0.362	0.146	(0.326)	0.217
169	14.08	0.90	0.425	0.145	(0.383)	0.280
170	14.17	0.90	0.425	0.144	(0.383)	0.281
171	14.25	0.90	0.425	0.144	(0.383)	0.282
172	14.33	0.87	0.410	0.143	(0.369)	0.267
173	14.42	0.87	0.410	0.142	(0.369)	0.268

174	14.50	0.87	0.410	0.141	(0.369)	0.268
175	14.58	0.87	0.410	0.141	(0.369)	0.269
176	14.67	0.87	0.410	0.140	(0.369)	0.270
177	14.75	0.87	0.410	0.139	(0.369)	0.270
178	14.83	0.83	0.394	0.139	(0.355)	0.255
179	14.92	0.83	0.394	0.138	(0.355)	0.256
180	15.00	0.83	0.394	0.137	(0.355)	0.257
181	15.08	0.80	0.378	0.136	(0.340)	0.242
182	15.17	0.80	0.378	0.136	(0.340)	0.242
183	15.25	0.80	0.378	0.135	(0.340)	0.243
184	15.33	0.77	0.362	0.134	(0.326)	0.228
185	15.42	0.77	0.362	0.134	(0.326)	0.229
186	15.50	0.77	0.362	0.133	(0.326)	0.229
187	15.58	0.63	0.299	0.132	(0.269)	0.167
188	15.67	0.63	0.299	0.132	(0.269)	0.168
189	15.75	0.63	0.299	0.131	(0.269)	0.168
190	15.83	0.63	0.299	0.130	(0.269)	0.169
191	15.92	0.63	0.299	0.130	(0.269)	0.170
192	16.00	0.63	0.299	0.129	(0.269)	0.170
193	16.08	0.13	0.063	(0.128)	0.057	0.006
194	16.17	0.13	0.063	(0.128)	0.057	0.006
195	16.25	0.13	0.063	(0.127)	0.057	0.006
196	16.33	0.13	0.063	(0.126)	0.057	0.006
197	16.42	0.13	0.063	(0.126)	0.057	0.006
198	16.50	0.13	0.063	(0.125)	0.057	0.006
199	16.58	0.10	0.047	(0.124)	0.043	0.005
200	16.67	0.10	0.047	(0.124)	0.043	0.005
201	16.75	0.10	0.047	(0.123)	0.043	0.005
202	16.83	0.10	0.047	(0.123)	0.043	0.005
203	16.92	0.10	0.047	(0.122)	0.043	0.005
204	17.00	0.10	0.047	(0.121)	0.043	0.005
205	17.08	0.17	0.079	(0.121)	0.071	0.008
206	17.17	0.17	0.079	(0.120)	0.071	0.008
207	17.25	0.17	0.079	(0.119)	0.071	0.008
208	17.33	0.17	0.079	(0.119)	0.071	0.008
209	17.42	0.17	0.079	(0.118)	0.071	0.008
210	17.50	0.17	0.079	(0.118)	0.071	0.008
211	17.58	0.17	0.079	(0.117)	0.071	0.008
212	17.67	0.17	0.079	(0.117)	0.071	0.008
213	17.75	0.17	0.079	(0.116)	0.071	0.008
214	17.83	0.13	0.063	(0.115)	0.057	0.006
215	17.92	0.13	0.063	(0.115)	0.057	0.006
216	18.00	0.13	0.063	(0.114)	0.057	0.006
217	18.08	0.13	0.063	(0.114)	0.057	0.006
218	18.17	0.13	0.063	(0.113)	0.057	0.006
219	18.25	0.13	0.063	(0.113)	0.057	0.006
220	18.33	0.13	0.063	(0.112)	0.057	0.006
221	18.42	0.13	0.063	(0.111)	0.057	0.006
222	18.50	0.13	0.063	(0.111)	0.057	0.006
223	18.58	0.10	0.047	(0.110)	0.043	0.005
224	18.67	0.10	0.047	(0.110)	0.043	0.005
225	18.75	0.10	0.047	(0.109)	0.043	0.005
226	18.83	0.07	0.032	(0.109)	0.028	0.003
227	18.92	0.07	0.032	(0.108)	0.028	0.003
228	19.00	0.07	0.032	(0.108)	0.028	0.003
229	19.08	0.10	0.047	(0.107)	0.043	0.005
230	19.17	0.10	0.047	(0.107)	0.043	0.005
231	19.25	0.10	0.047	(0.106)	0.043	0.005
232	19.33	0.13	0.063	(0.106)	0.057	0.006
233	19.42	0.13	0.063	(0.105)	0.057	0.006
234	19.50	0.13	0.063	(0.105)	0.057	0.006
235	19.58	0.10	0.047	(0.104)	0.043	0.005
236	19.67	0.10	0.047	(0.104)	0.043	0.005
237	19.75	0.10	0.047	(0.103)	0.043	0.005
238	19.83	0.07	0.032	(0.103)	0.028	0.003
239	19.92	0.07	0.032	(0.102)	0.028	0.003
240	20.00	0.07	0.032	(0.102)	0.028	0.003
241	20.08	0.10	0.047	(0.102)	0.043	0.005

```
242  20.17     0.10      0.047       (  0.101)       0.043        0.005
243  20.25     0.10      0.047       (  0.101)       0.043        0.005
244  20.33     0.10      0.047       (  0.100)       0.043        0.005
245  20.42     0.10      0.047       (  0.100)       0.043        0.005
246  20.50     0.10      0.047       (  0.099)       0.043        0.005
247  20.58     0.10      0.047       (  0.099)       0.043        0.005
248  20.67     0.10      0.047       (  0.099)       0.043        0.005
249  20.75     0.10      0.047       (  0.098)       0.043        0.005
250  20.83     0.07      0.032       (  0.098)       0.028        0.003
251  20.92     0.07      0.032       (  0.097)       0.028        0.003
252  21.00     0.07      0.032       (  0.097)       0.028        0.003
253  21.08     0.10      0.047       (  0.097)       0.043        0.005
254  21.17     0.10      0.047       (  0.096)       0.043        0.005
255  21.25     0.10      0.047       (  0.096)       0.043        0.005
256  21.33     0.07      0.032       (  0.095)       0.028        0.003
257  21.42     0.07      0.032       (  0.095)       0.028        0.003
258  21.50     0.07      0.032       (  0.095)       0.028        0.003
259  21.58     0.10      0.047       (  0.094)       0.043        0.005
260  21.67     0.10      0.047       (  0.094)       0.043        0.005
261  21.75     0.10      0.047       (  0.094)       0.043        0.005
262  21.83     0.07      0.032       (  0.093)       0.028        0.003
263  21.92     0.07      0.032       (  0.093)       0.028        0.003
264  22.00     0.07      0.032       (  0.093)       0.028        0.003
265  22.08     0.10      0.047       (  0.092)       0.043        0.005
266  22.17     0.10      0.047       (  0.092)       0.043        0.005
267  22.25     0.10      0.047       (  0.092)       0.043        0.005
268  22.33     0.07      0.032       (  0.092)       0.028        0.003
269  22.42     0.07      0.032       (  0.091)       0.028        0.003
270  22.50     0.07      0.032       (  0.091)       0.028        0.003
271  22.58     0.07      0.032       (  0.091)       0.028        0.003
272  22.67     0.07      0.032       (  0.090)       0.028        0.003
273  22.75     0.07      0.032       (  0.090)       0.028        0.003
274  22.83     0.07      0.032       (  0.090)       0.028        0.003
275  22.92     0.07      0.032       (  0.090)       0.028        0.003
276  23.00     0.07      0.032       (  0.090)       0.028        0.003
277  23.08     0.07      0.032       (  0.089)       0.028        0.003
278  23.17     0.07      0.032       (  0.089)       0.028        0.003
279  23.25     0.07      0.032       (  0.089)       0.028        0.003
280  23.33     0.07      0.032       (  0.089)       0.028        0.003
281  23.42     0.07      0.032       (  0.089)       0.028        0.003
282  23.50     0.07      0.032       (  0.088)       0.028        0.003
283  23.58     0.07      0.032       (  0.088)       0.028        0.003
284  23.67     0.07      0.032       (  0.088)       0.028        0.003
285  23.75     0.07      0.032       (  0.088)       0.028        0.003
286  23.83     0.07      0.032       (  0.088)       0.028        0.003
287  23.92     0.07      0.032       (  0.088)       0.028        0.003
288  24.00     0.07      0.032       (  0.088)       0.028        0.003
            (Loss Rate Not Used)
    Sum =     100.0                                  Sum =    18.6
      Flood volume = Effective rainfall      1.55(In)
       times area      19.3(Ac.)/[(In)/(Ft.)] =       2.5(Ac.Ft)
      Total soil loss =      2.39(In)
      Total soil loss =     3.847(Ac.Ft)
      Total rainfall =      3.94(In)
      Flood volume =      108462.1 Cubic Feet
      Total soil loss =      167555.0 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =      7.420(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         24 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0        2.5       5.0       7.5      10.0
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```

0+ 5	0.0001	0.01	Q	|	|	|	|
0+10	0.0004	0.04	Q	|	|	|	|
0+15	0.0007	0.05	Q	|	|	|	|
0+20	0.0011	0.06	Q	|	|	|	|
0+25	0.0016	0.08	Q	|	|	|	|
0+30	0.0022	0.08	Q	|	|	|	|
0+35	0.0028	0.09	Q	|	|	|	|
0+40	0.0034	0.09	Q	|	|	|	|
0+45	0.0041	0.09	Q	|	|	|	|
0+50	0.0047	0.10	Q	|	|	|	|
0+55	0.0055	0.11	Q	|	|	|	|
1+ 0	0.0063	0.12	Q	|	|	|	|
1+ 5	0.0071	0.11	Q	|	|	|	|
1+10	0.0078	0.10	Q	|	|	|	|
1+15	0.0085	0.10	Q	|	|	|	|
1+20	0.0091	0.09	Q	|	|	|	|
1+25	0.0098	0.09	Q	|	|	|	|
1+30	0.0104	0.09	Q	|	|	|	|
1+35	0.0110	0.09	Q	|	|	|	|
1+40	0.0117	0.09	Q	|	|	|	|
1+45	0.0123	0.09	Q	|	|	|	|
1+50	0.0130	0.10	Q	|	|	|	|
1+55	0.0138	0.11	Q	|	|	|	|
2+ 0	0.0146	0.12	Q	|	|	|	|
2+ 5	0.0154	0.12	Q	|	|	|	|
2+10	0.0162	0.12	Q	|	|	|	|
2+15	0.0170	0.12	Q	|	|	|	|
2+20	0.0179	0.12	Q	|	|	|	|
2+25	0.0187	0.12	Q	|	|	|	|
2+30	0.0196	0.12	Q	|	|	|	|
2+35	0.0205	0.13	Q	|	|	|	|
2+40	0.0214	0.14	Q	|	|	|	|
2+45	0.0225	0.15	Q	|	|	|	|
2+50	0.0235	0.15	Q	|	|	|	|
2+55	0.0245	0.15	Q	|	|	|	|
3+ 0	0.0256	0.15	Q	|	|	|	|
3+ 5	0.0266	0.15	Q	|	|	|	|
3+10	0.0277	0.15	Q	|	|	|	|
3+15	0.0287	0.15	Q	|	|	|	|
3+20	0.0298	0.15	Q	|	|	|	|
3+25	0.0309	0.15	Q	|	|	|	|
3+30	0.0319	0.15	Q	|	|	|	|
3+35	0.0330	0.15	Q	|	|	|	|
3+40	0.0340	0.15	Q	|	|	|	|
3+45	0.0351	0.15	Q	|	|	|	|
3+50	0.0362	0.16	Q	|	|	|	|
3+55	0.0374	0.17	Q	|	|	|	|
4+ 0	0.0386	0.18	Q	|	|	|	|
4+ 5	0.0398	0.18	Q	|	|	|	|
4+10	0.0411	0.18	Q	|	|	|	|
4+15	0.0424	0.18	Q	|	|	|	|
4+20	0.0437	0.19	Q	|	|	|	|
4+25	0.0451	0.20	Q	|	|	|	|
4+30	0.0465	0.21	Q	|	|	|	|
4+35	0.0480	0.21	Q	|	|	|	|
4+40	0.0494	0.21	Q	|	|	|	|
4+45	0.0509	0.21	Q	|	|	|	|
4+50	0.0524	0.22	Q	|	|	|	|
4+55	0.0540	0.23	Q	|	|	|	|
5+ 0	0.0557	0.24	Q	|	|	|	|
5+ 5	0.0573	0.23	Q	|	|	|	|
5+10	0.0587	0.20	Q	|	|	|	|
5+15	0.0600	0.19	Q	|	|	|	|
5+20	0.0613	0.20	Q	|	|	|	|
5+25	0.0628	0.21	QV	|	|	|	|
5+30	0.0642	0.21	QV	|	|	|	|
5+35	0.0657	0.22	QV	|	|	|	|
5+40	0.0673	0.23	QV	|	|	|	|

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 5+45      0.0690      0.24  QV        |         |         |         |
 5+50      0.0707      0.24  QV        |         |         |         |
 5+55      0.0723      0.24  QV        |         |         |         |
 6+ 0      0.0740      0.24  QV        |         |         |         |
 6+ 5      0.0757      0.25  |Q        |         |         |         |
 6+10      0.0776      0.27  |Q        |         |         |         |
 6+15      0.0794      0.27  |Q        |         |         |         |
 6+20      0.0813      0.27  |Q        |         |         |         |
 6+25      0.0832      0.27  |Q        |         |         |         |
 6+30      0.0851      0.27  |Q        |         |         |         |
 6+35      0.0870      0.28  |Q        |         |         |         |
 6+40      0.0891      0.30  |Q        |         |         |         |
 6+45      0.0911      0.30  |Q        |         |         |         |
 6+50      0.0932      0.30  |Q        |         |         |         |
 6+55      0.0953      0.30  |Q        |         |         |         |
 7+ 0      0.0974      0.31  |Q        |         |         |         |
 7+ 5      0.0995      0.31  |Q        |         |         |         |
 7+10      0.1016      0.31  |Q        |         |         |         |
 7+15      0.1038      0.31  |Q        |         |         |         |
 7+20      0.1059      0.31  |Q        |         |         |         |
 7+25      0.1082      0.33  |Q        |         |         |         |
 7+30      0.1104      0.33  |Q        |         |         |         |
 7+35      0.1128      0.34  |Q        |         |         |         |
 7+40      0.1152      0.36  |Q        |         |         |         |
 7+45      0.1177      0.36  |Q        |         |         |         |
 7+50      0.1203      0.37  |Q        |         |         |         |
 7+55      0.1229      0.39  |Q        |         |         |         |
 8+ 0      0.1256      0.39  |QV       |         |         |         |
 8+ 5      0.1286      0.43  |QV       |         |         |         |
 8+10      0.1321      0.52  | Q       |         |         |         |
 8+15      0.1359      0.56  | Q       |         |         |         |
 8+20      0.1400      0.59  | Q       |         |         |         |
 8+25      0.1442      0.61  | Q       |         |         |         |
 8+30      0.1486      0.63  | Q       |         |         |         |
 8+35      0.1534      0.71  | Q       |         |         |         |
 8+40      0.1595      0.88  | VQ      |         |         |         |
 8+45      0.1660      0.95  | VQ      |         |         |         |
 8+50      0.1732      1.04  | V Q     |         |         |         |
 8+55      0.1816      1.22  | V Q     |         |         |         |
 9+ 0      0.1905      1.30  |  V Q    |         |         |         |
 9+ 5      0.2005      1.45  |  V Q    |         |         |         |
 9+10      0.2127      1.78  |  V   Q  |         |         |         |
 9+15      0.2259      1.91  |  V   Q  |         |         |         |
 9+20      0.2399      2.03  |  V    Q |         |         |         |
 9+25      0.2552      2.23  |   V   Q |         |         |         |
 9+30      0.2711      2.31  |   V    Q|         |         |         |
 9+35      0.2878      2.42  |   V    Q|         |         |         |
 9+40      0.3057      2.60  |   V     Q         |         |         |
 9+45      0.3242      2.68  |    V    Q         |         |         |
 9+50      0.3434      2.78  |    V    |Q        |         |         |
 9+55      0.3638      2.97  |    V    |Q        |         |         |
10+ 0      0.3848      3.04  |     V   | Q       |         |         |
10+ 5      0.4034      2.71  |     V   Q         |         |         |
10+10      0.4152      1.71  |     Q   |         |         |         |
10+15      0.4248      1.39  |    QV   |         |         |         |
10+20      0.4334      1.25  |    QV   |         |         |         |
10+25      0.4416      1.19  |   Q  V  |         |         |         |
10+30      0.4495      1.15  |   Q  V  |         |         |         |
10+35      0.4592      1.40  |    Q V  |         |         |         |
10+40      0.4738      2.13  |      VQ |         |         |         |
10+45      0.4902      2.38  |      V Q|         |         |         |
10+50      0.5075      2.51  |       V Q         |         |         |
10+55      0.5253      2.59  |       V Q         |         |         |
11+ 0      0.5435      2.65  |       V Q         |         |         |
11+ 5      0.5617      2.64  |        VQ         |         |         |
11+10      0.5791      2.52  |        VQ         |         |         |
11+15      0.5963      2.50  |        VQ         |         |         |
11+20      0.6135      2.50  |        Q|         |         |         |
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11+25       0.6307      2.50  |          Q          |          |          |
11+30       0.6480      2.51  |          Q          |          |          |
11+35       0.6646      2.41  |         QV          |          |          |
11+40       0.6793      2.13  |        Q V          |          |          |
11+45       0.6933      2.04  |        Q |V         |          |          |
11+50       0.7076      2.07  |        Q |V         |          |          |
11+55       0.7228      2.21  |        Q |V         |          |          |
12+ 0       0.7383      2.26  |         Q|V         |          |          |
12+ 5       0.7567      2.67  |          Q V        |          |          |
12+10       0.7823      3.72  |          | V Q      |          |          |
12+15       0.8105      4.09  |          |  V  Q    |          |          |
12+20       0.8402      4.32  |          |  V   Q   |          |          |
12+25       0.8717      4.58  |          |   V   Q  |          |          |
12+30       0.9041      4.70  |          |   V   Q  |          |          |
12+35       0.9378      4.89  |          |    V   Q|          |          |
12+40       0.9739      5.23  |          |    V    Q          |          |
12+45       1.0109      5.38  |          |     V   |Q         |          |
12+50       1.0488      5.50  |          |     V   |Q         |          |
12+55       1.0879      5.69  |          |      V  | Q        |          |
13+ 0       1.1277      5.77  |          |       V |  Q       |          |
13+ 5       1.1697      6.10  |          |       V |   Q      |          |
13+10       1.2170      6.87  |          |        V|      Q   |          |
13+15       1.2662      7.15  |          |         V       Q  |          |
13+20       1.3163      7.28  |          |         |V       Q|          |
13+25       1.3670      7.36  |          |         |V       Q|          |
13+30       1.4181      7.42  |          |         | V      Q|          |
13+35       1.4654      6.86  |          |         |  V   Q   |          |
13+40       1.5017      5.28  |          |         |Q  V      |          |
13+45       1.5344      4.75  |          |        Q|   V      |          |
13+50       1.5656      4.52  |          |       Q |    V     |          |
13+55       1.5958      4.39  |          |      Q  |    V     |          |
14+ 0       1.6255      4.32  |          |      Q  |     V    |          |
14+ 5       1.6565      4.49  |          |      Q  |     V    |          |
14+10       1.6913      5.06  |          |        Q      V  |          |
14+15       1.7274      5.24  |          |        Q      V  |          |
14+20       1.7638      5.29  |          |        |Q      V |          |
14+25       1.7997      5.21  |          |        Q       V |          |
14+30       1.8356      5.21  |          |        Q        V|          |
14+35       1.8716      5.22  |          |        Q         V          |
14+40       1.9076      5.24  |          |        Q         V          |
14+45       1.9438      5.25  |          |        |Q        |V         |
14+50       1.9797      5.21  |          |        Q         |V         |
14+55       2.0146      5.07  |          |        Q         | V        |
15+ 0       2.0492      5.03  |          |        Q         | V        |
15+ 5       2.0834      4.97  |          |       Q|         |  V       |
15+10       2.1166      4.82  |          |       Q|         |   V      |
15+15       2.1495      4.78  |          |       Q|         |   V      |
15+20       2.1820      4.71  |          |      Q |         |    V     |
15+25       2.2134      4.56  |          |      Q |         |    V     |
15+30       2.2444      4.51  |          |      Q |         |     V    |
15+35       2.2739      4.28  |          |     Q  |         |     V    |
15+40       2.2993      3.69  |          |   Q    |         |     V    |
15+45       2.3233      3.49  |          |  Q     |         |      V   |
15+50       2.3468      3.41  |          |  Q     |         |      V   |
15+55       2.3700      3.37  |          |  Q     |         |       V  |
16+ 0       2.3930      3.34  |          |  Q     |         |       V  |
16+ 5       2.4120      2.76  |          |Q       |         |       V  |
16+10       2.4204      1.22  |   Q      |        |         |       V  |
16+15       2.4252      0.69  | Q        |        |         |       V  |
16+20       2.4283      0.46  |Q         |        |         |        V|
16+25       2.4306      0.33  |Q         |        |         |        V|
16+30       2.4322      0.24  Q          |        |         |        V|
16+35       2.4335      0.18  Q          |        |         |        V|
16+40       2.4344      0.13  Q          |        |         |        V|
16+45       2.4350      0.10  Q          |        |         |        V|
16+50       2.4357      0.10  Q          |        |         |        V|
16+55       2.4363      0.09  Q          |        |         |        V|
17+ 0       2.4370      0.09  Q          |        |         |        V|
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17+ 5	2.4377	0.10	Q	|	|	|	V|
17+10	2.4386	0.13	Q	|	|	|	V|
17+15	2.4396	0.14	Q	|	|	|	V|
17+20	2.4406	0.15	Q	|	|	|	V|
17+25	2.4416	0.15	Q	|	|	|	V|
17+30	2.4427	0.15	Q	|	|	|	V|
17+35	2.4437	0.15	Q	|	|	|	V|
17+40	2.4448	0.15	Q	|	|	|	V|
17+45	2.4458	0.15	Q	|	|	|	V|
17+50	2.4468	0.15	Q	|	|	|	V|
17+55	2.4478	0.13	Q	|	|	|	V|
18+ 0	2.4486	0.13	Q	|	|	|	V|
18+ 5	2.4495	0.13	Q	|	|	|	V|
18+10	2.4504	0.12	Q	|	|	|	V|
18+15	2.4512	0.12	Q	|	|	|	V|
18+20	2.4521	0.12	Q	|	|	|	V|
18+25	2.4529	0.12	Q	|	|	|	V|
18+30	2.4538	0.12	Q	|	|	|	V|
18+35	2.4546	0.12	Q	|	|	|	V|
18+40	2.4553	0.10	Q	|	|	|	V|
18+45	2.4559	0.10	Q	|	|	|	V|
18+50	2.4566	0.09	Q	|	|	|	V|
18+55	2.4571	0.07	Q	|	|	|	V|
19+ 0	2.4575	0.07	Q	|	|	|	V|
19+ 5	2.4580	0.07	Q	|	|	|	V|
19+10	2.4586	0.08	Q	|	|	|	V|
19+15	2.4592	0.09	Q	|	|	|	V|
19+20	2.4599	0.09	Q	|	|	|	V|
19+25	2.4606	0.11	Q	|	|	|	V|
19+30	2.4614	0.12	Q	|	|	|	V|
19+35	2.4622	0.11	Q	|	|	|	V|
19+40	2.4629	0.10	Q	|	|	|	V|
19+45	2.4636	0.10	Q	|	|	|	V|
19+50	2.4642	0.09	Q	|	|	|	V|
19+55	2.4647	0.07	Q	|	|	|	V|
20+ 0	2.4651	0.07	Q	|	|	|	V|
20+ 5	2.4656	0.07	Q	|	|	|	V|
20+10	2.4662	0.08	Q	|	|	|	V|
20+15	2.4668	0.09	Q	|	|	|	V|
20+20	2.4674	0.09	Q	|	|	|	V|
20+25	2.4680	0.09	Q	|	|	|	V|
20+30	2.4687	0.09	Q	|	|	|	V|
20+35	2.4693	0.09	Q	|	|	|	V|
20+40	2.4699	0.09	Q	|	|	|	V|
20+45	2.4706	0.09	Q	|	|	|	V|
20+50	2.4712	0.09	Q	|	|	|	V|
20+55	2.4717	0.07	Q	|	|	|	V|
21+ 0	2.4721	0.07	Q	|	|	|	V|
21+ 5	2.4726	0.07	Q	|	|	|	V|
21+10	2.4732	0.08	Q	|	|	|	V|
21+15	2.4738	0.09	Q	|	|	|	V|
21+20	2.4744	0.08	Q	|	|	|	V|
21+25	2.4748	0.07	Q	|	|	|	V|
21+30	2.4753	0.07	Q	|	|	|	V|
21+35	2.4758	0.07	Q	|	|	|	V|
21+40	2.4763	0.08	Q	|	|	|	V|
21+45	2.4770	0.09	Q	|	|	|	V|
21+50	2.4775	0.08	Q	|	|	|	V|
21+55	2.4780	0.07	Q	|	|	|	V|
22+ 0	2.4785	0.07	Q	|	|	|	V|
22+ 5	2.4789	0.07	Q	|	|	|	V|
22+10	2.4795	0.08	Q	|	|	|	V|
22+15	2.4801	0.09	Q	|	|	|	V|
22+20	2.4807	0.08	Q	|	|	|	V|
22+25	2.4812	0.07	Q	|	|	|	V|
22+30	2.4816	0.07	Q	|	|	|	V|
22+35	2.4821	0.06	Q	|	|	|	V|
22+40	2.4825	0.06	Q	|	|	|	V|

22+45	2.4829	0.06	Q	|	|	|	V|
22+50	2.4834	0.06	Q	|	|	|	V|
22+55	2.4838	0.06	Q	|	|	|	V|
23+ 0	2.4842	0.06	Q	|	|	|	V|
23+ 5	2.4846	0.06	Q	|	|	|	V|
23+10	2.4851	0.06	Q	|	|	|	V|
23+15	2.4855	0.06	Q	|	|	|	V|
23+20	2.4859	0.06	Q	|	|	|	V|
23+25	2.4863	0.06	Q	|	|	|	V|
23+30	2.4867	0.06	Q	|	|	|	V|
23+35	2.4872	0.06	Q	|	|	|	V|
23+40	2.4876	0.06	Q	|	|	|	V|
23+45	2.4880	0.06	Q	|	|	|	V|
23+50	2.4884	0.06	Q	|	|	|	V|
23+55	2.4889	0.06	Q	|	|	|	V|
24+ 0	2.4893	0.06	Q	|	|	|	V|
24+ 5	2.4896	0.05	Q	|	|	|	V|
24+10	2.4898	0.02	Q	|	|	|	V|
24+15	2.4898	0.01	Q	|	|	|	V|
24+20	2.4899	0.01	Q	|	|	|	V|
24+25	2.4899	0.00	Q	|	|	|	V|
24+30	2.4899	0.00	Q	|	|	|	V|
24+35	2.4899	0.00	Q	|	|	|	V|
24+40	2.4899	0.00	Q	|	|	|	V|

U n i t H y d r o g r a p h A n a l y s i s

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Study date 03/16/22 File: exa10610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

EXISTING UNIT HYDROGRAPH
10-YR 6HR STORM
TTM# 38171

Drainage Area = 19.30(Ac.) = 0.030 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 19.30(Ac.) = 0.030 Sq. Mi.
Length along longest watercourse = 2086.00(Ft.)
Length along longest watercourse measured to centroid = 991.64(Ft.)
Length along longest watercourse = 0.395 Mi.
Length along longest watercourse measured to centroid = 0.188 Mi.
Difference in elevation = 144.00(Ft.)
Slope along watercourse = 364.4871 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.087 Hr.
Lag time = 5.24 Min.
25% of lag time = 1.31 Min.
40% of lag time = 2.10 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
19.30	1.40	27.02

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
19.30	2.70	52.11

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.400(In)
Area Averaged 100-Year Rainfall = 2.700(In)

Point rain (area averaged) = 1.935(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 1.935(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
19.300	86.00	0.000

Total Area Entered = 19.30(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
86.0	86.0	0.176	0.000	0.176	1.000	0.176
					Sum (F) =	0.176

Area averaged mean soil loss (F) (In/Hr) = 0.176
Minimum soil loss rate ((In/Hr)) = 0.088
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	95.379	17.788	3.460
2	0.167	190.758	47.940	9.325
3	0.250	286.138	16.389	3.188
4	0.333	381.517	7.317	1.423
5	0.417	476.896	4.171	0.811
6	0.500	572.275	2.703	0.526
7	0.583	667.654	1.749	0.340
8	0.667	763.034	1.097	0.213
9	0.750	858.413	0.847	0.165
			Sum = 100.000 Sum=	19.451

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.50	0.116	(0.176)		0.104	0.012
2	0.17	0.60	0.139	(0.176)		0.125	0.014
3	0.25	0.60	0.139	(0.176)		0.125	0.014
4	0.33	0.60	0.139	(0.176)		0.125	0.014
5	0.42	0.60	0.139	(0.176)		0.125	0.014
6	0.50	0.70	0.163	(0.176)		0.146	0.016
7	0.58	0.70	0.163	(0.176)		0.146	0.016
8	0.67	0.70	0.163	(0.176)		0.146	0.016
9	0.75	0.70	0.163	(0.176)		0.146	0.016
10	0.83	0.70	0.163	(0.176)		0.146	0.016
11	0.92	0.70	0.163	(0.176)		0.146	0.016
12	1.00	0.80	0.186	(0.176)		0.167	0.019
13	1.08	0.80	0.186	(0.176)		0.167	0.019
14	1.17	0.80	0.186	(0.176)		0.167	0.019
15	1.25	0.80	0.186	(0.176)		0.167	0.019
16	1.33	0.80	0.186	(0.176)		0.167	0.019
17	1.42	0.80	0.186	(0.176)		0.167	0.019
18	1.50	0.80	0.186	(0.176)		0.167	0.019
19	1.58	0.80	0.186	(0.176)		0.167	0.019
20	1.67	0.80	0.186	(0.176)		0.167	0.019
21	1.75	0.80	0.186	(0.176)		0.167	0.019
22	1.83	0.80	0.186	(0.176)		0.167	0.019
23	1.92	0.80	0.186	(0.176)		0.167	0.019
24	2.00	0.90	0.209	0.176	(	0.188)	0.033
25	2.08	0.80	0.186	(0.176)		0.167	0.019
26	2.17	0.90	0.209	0.176	(	0.188)	0.033
27	2.25	0.90	0.209	0.176	(	0.188)	0.033
28	2.33	0.90	0.209	0.176	(	0.188)	0.033
29	2.42	0.90	0.209	0.176	(	0.188)	0.033
30	2.50	0.90	0.209	0.176	(	0.188)	0.033
31	2.58	0.90	0.209	0.176	(	0.188)	0.033
32	2.67	0.90	0.209	0.176	(	0.188)	0.033
33	2.75	1.00	0.232	0.176	(	0.209)	0.057
34	2.83	1.00	0.232	0.176	(	0.209)	0.057
35	2.92	1.00	0.232	0.176	(	0.209)	0.057
36	3.00	1.00	0.232	0.176	(	0.209)	0.057

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37   3.08     1.00      0.232          0.176    (  0.209)        0.057
38   3.17     1.10      0.255          0.176    (  0.230)        0.080
39   3.25     1.10      0.255          0.176    (  0.230)        0.080
40   3.33     1.10      0.255          0.176    (  0.230)        0.080
41   3.42     1.20      0.279          0.176    (  0.251)        0.103
42   3.50     1.30      0.302          0.176    (  0.272)        0.126
43   3.58     1.40      0.325          0.176    (  0.293)        0.149
44   3.67     1.40      0.325          0.176    (  0.293)        0.149
45   3.75     1.50      0.348          0.176    (  0.313)        0.173
46   3.83     1.50      0.348          0.176    (  0.313)        0.173
47   3.92     1.60      0.371          0.176    (  0.334)        0.196
48   4.00     1.60      0.371          0.176    (  0.334)        0.196
49   4.08     1.70      0.395          0.176    (  0.355)        0.219
50   4.17     1.80      0.418          0.176    (  0.376)        0.242
51   4.25     1.90      0.441          0.176    (  0.397)        0.266
52   4.33     2.00      0.464          0.176    (  0.418)        0.289
53   4.42     2.10      0.488          0.176    (  0.439)        0.312
54   4.50     2.10      0.488          0.176    (  0.439)        0.312
55   4.58     2.20      0.511          0.176    (  0.460)        0.335
56   4.67     2.30      0.534          0.176    (  0.481)        0.358
57   4.75     2.40      0.557          0.176    (  0.501)        0.382
58   4.83     2.40      0.557          0.176    (  0.501)        0.382
59   4.92     2.50      0.580          0.176    (  0.522)        0.405
60   5.00     2.60      0.604          0.176    (  0.543)        0.428
61   5.08     3.10      0.720          0.176    (  0.648)        0.544
62   5.17     3.60      0.836          0.176    (  0.752)        0.660
63   5.25     3.90      0.905          0.176    (  0.815)        0.730
64   5.33     4.20      0.975          0.176    (  0.878)        0.799
65   5.42     4.70      1.091          0.176    (  0.982)        0.916
66   5.50     5.60      1.300          0.176    (  1.170)        1.125
67   5.58     1.90      0.441          0.176    (  0.397)        0.266
68   5.67     0.90      0.209          0.176    (  0.188)        0.033
69   5.75     0.60      0.139       (  0.176)       0.125        0.014
70   5.83     0.50      0.116       (  0.176)       0.104        0.012
71   5.92     0.30      0.070       (  0.176)       0.063        0.007
72   6.00     0.20      0.046       (  0.176)       0.042        0.005
           (Loss Rate Not Used)
   Sum =     100.0                                    Sum =    11.5
     Flood volume = Effective rainfall      0.96(In)
      times area      19.3(Ac.)/[(In)/(Ft.)] =       1.5(Ac.Ft)
     Total soil loss =      0.98(In)
     Total soil loss =     1.570(Ac.Ft)
     Total rainfall =      1.93(In)
     Flood volume =       67134.8 Cubic Feet
     Total soil loss =       68408.5 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     17.141(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         6 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0        5.0      10.0      15.0      20.0
-------------------------------------------------------------------------
  0+ 5       0.0003      0.04  Q         |         |         |         |
  0+10       0.0014      0.16  Q         |         |         |         |
  0+15       0.0028      0.22  Q         |         |         |         |
  0+20       0.0045      0.24  Q         |         |         |         |
  0+25       0.0062      0.25  Q         |         |         |         |
  0+30       0.0081      0.27  Q         |         |         |         |
  0+35       0.0101      0.29  Q         |         |         |         |
  0+40       0.0122      0.31  Q         |         |         |         |
  0+45       0.0143      0.31  Q         |         |         |         |
  0+50       0.0165      0.31  Q         |         |         |         |
  0+55       0.0187      0.31  Q         |         |         |         |
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1+ 0       0.0209      0.32  Q          |          |          |          |
1+ 5       0.0233      0.35  Q          |          |          |          |
1+10       0.0257      0.35  Q          |          |          |          |
1+15       0.0282      0.36  Q          |          |          |          |
1+20       0.0306      0.36  Q          |          |          |          |
1+25       0.0331      0.36  Q          |          |          |          |
1+30       0.0356      0.36  Q          |          |          |          |
1+35       0.0381      0.36  Q          |          |          |          |
1+40       0.0406      0.36  QV         |          |          |          |
1+45       0.0431      0.36  QV         |          |          |          |
1+50       0.0455      0.36  QV         |          |          |          |
1+55       0.0480      0.36  QV         |          |          |          |
2+ 0       0.0509      0.41  QV         |          |          |          |
2+ 5       0.0543      0.50  QV         |          |          |          |
2+10       0.0575      0.46  QV         |          |          |          |
2+15       0.0614      0.57  |Q         |          |          |          |
2+20       0.0656      0.61  |Q         |          |          |          |
2+25       0.0699      0.63  |Q         |          |          |          |
2+30       0.0743      0.64  |Q         |          |          |          |
2+35       0.0787      0.64  |QV        |          |          |          |
2+40       0.0832      0.65  |QV        |          |          |          |
2+45       0.0882      0.73  |QV        |          |          |          |
2+50       0.0947      0.95  |QV        |          |          |          |
2+55       0.1017      1.02  | Q        |          |          |          |
3+ 0       0.1090      1.05  | Q        |          |          |          |
3+ 5       0.1164      1.07  | QV       |          |          |          |
3+10       0.1244      1.16  | QV       |          |          |          |
3+15       0.1339      1.39  | QV       |          |          |          |
3+20       0.1440      1.47  | QV       |          |          |          |
3+25       0.1550      1.59  |  QV      |          |          |          |
3+30       0.1681      1.90  |  QV      |          |          |          |
3+35       0.1838      2.28  |   Q      |          |          |          |
3+40       0.2018      2.62  |    Q     |          |          |          |
3+45       0.2213      2.83  |    Q     |          |          |          |
3+50       0.2427      3.11  |     Q    |          |          |          |
3+55       0.2655      3.31  |     Q    |          |          |          |
4+ 0       0.2901      3.58  |      Q   |          |          |          |
4+ 5       0.3161      3.77  |      QV  |          |          |          |
4+10       0.3445      4.12  |       Q  |          |          |          |
4+15       0.3756      4.52  |        Q |          |          |          |
4+20       0.4097      4.94  |        QV          |          |          |
4+25       0.4467      5.38  |         QV         |          |          |
4+30       0.4862      5.74  |          |QV       |          |          |
4+35       0.5273      5.97  |          |Q V      |          |          |
4+40       0.5710      6.34  |          | Q V     |          |          |
4+45       0.6176      6.76  |          |  Q  V   |          |          |
4+50       0.6666      7.11  |          |   Q  V  |          |          |
4+55       0.7171      7.34  |          |   Q   V |          |          |
5+ 0       0.7702      7.71  |          |    Q   V|          |          |
5+ 5       0.8283      8.44  |          |     Q   |V         |          |
5+10       0.8976     10.06  |          |         Q  V       |          |
5+15       0.9790     11.82  |          |          |  Q V    |          |
5+20       1.0705     13.29  |          |          |     QV  |          |
5+25       1.1727     14.85  |          |          |        QV          |
5+30       1.2908     17.14  |          |          |          |  VQ     |
5+35       1.4062     16.75  |          |          |          |  Q  V   |
5+40       1.4676      8.93  |          |      Q   |          |       V |
5+45       1.4983      4.45  |        Q |          |          |       V |
5+50       1.5161      2.59  |     Q    |          |          |        V|
5+55       1.5273      1.63  |  Q       |          |          |        V|
6+ 0       1.5343      1.01  | Q        |          |          |        V|
6+ 5       1.5384      0.59  |Q         |          |          |        V|
6+10       1.5404      0.29  Q          |          |          |        V|
6+15       1.5409      0.07  Q          |          |          |        V|
6+20       1.5411      0.02  Q          |          |          |        V|
6+25       1.5411      0.01  Q          |          |          |        V|
6+30       1.5412      0.00  Q          |          |          |        V|
6+35       1.5412      0.00  Q          |          |          |        V|
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    6+40       1.5412      0.00  Q         |         |         |         V
--------------------------------------------------------------------------
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 03/16/22 File: exa10310.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

EXISTING UNIT HYDROGRAPH
10-YR 3HR STORM
TTM# 38171

Drainage Area = 19.30(Ac.) = 0.030 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 19.30(Ac.) = 0.030 Sq. Mi.
Length along longest watercourse = 2086.00(Ft.)
Length along longest watercourse measured to centroid = 991.64(Ft.)
Length along longest watercourse = 0.395 Mi.
Length along longest watercourse measured to centroid = 0.188 Mi.
Difference in elevation = 144.00(Ft.)
Slope along watercourse = 364.4871 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.087 Hr.
Lag time = 5.24 Min.
25% of lag time = 1.31 Min.
40% of lag time = 2.10 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
19.30	0.90	17.37

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
19.30	1.90	36.67

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.900(In)
Area Averaged 100-Year Rainfall = 1.900(In)

Point rain (area averaged) = 1.311(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 1.311(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
19.300	86.00	0.000

Total Area Entered = 19.30(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
86.0	86.0	0.176	0.000	0.176	1.000	0.176
					Sum (F) =	0.176

Area averaged mean soil loss (F) (In/Hr) = 0.176
Minimum soil loss rate ((In/Hr)) = 0.088
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	95.379	17.788	3.460
2	0.167	190.758	47.940	9.325
3	0.250	286.138	16.389	3.188
4	0.333	381.517	7.317	1.423
5	0.417	476.896	4.171	0.811
6	0.500	572.275	2.703	0.526
7	0.583	667.654	1.749	0.340
8	0.667	763.034	1.097	0.213
9	0.750	858.413	0.847	0.165
			Sum = 100.000	Sum= 19.451

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	1.30	0.205	0.176	(	0.184)	0.029
2	0.17	1.30	0.205	0.176	(	0.184)	0.029
3	0.25	1.10	0.173	(0.176)		0.156	0.017
4	0.33	1.50	0.236	0.176	(	0.212)	0.060
5	0.42	1.50	0.236	0.176	(	0.212)	0.060
6	0.50	1.80	0.283	0.176	(	0.255)	0.108
7	0.58	1.50	0.236	0.176	(	0.212)	0.060
8	0.67	1.80	0.283	0.176	(	0.255)	0.108
9	0.75	1.80	0.283	0.176	(	0.255)	0.108
10	0.83	1.50	0.236	0.176	(	0.212)	0.060
11	0.92	1.60	0.252	0.176	(	0.227)	0.076
12	1.00	1.80	0.283	0.176	(	0.255)	0.108
13	1.08	2.20	0.346	0.176	(	0.312)	0.171
14	1.17	2.20	0.346	0.176	(	0.312)	0.171
15	1.25	2.20	0.346	0.176	(	0.312)	0.171
16	1.33	2.00	0.315	0.176	(	0.283)	0.139
17	1.42	2.60	0.409	0.176	(	0.368)	0.234
18	1.50	2.70	0.425	0.176	(	0.382)	0.249
19	1.58	2.40	0.378	0.176	(	0.340)	0.202
20	1.67	2.70	0.425	0.176	(	0.382)	0.249
21	1.75	3.30	0.519	0.176	(	0.467)	0.344
22	1.83	3.10	0.488	0.176	(	0.439)	0.312
23	1.92	2.90	0.456	0.176	(	0.411)	0.281
24	2.00	3.00	0.472	0.176	(	0.425)	0.296
25	2.08	3.10	0.488	0.176	(	0.439)	0.312
26	2.17	4.20	0.661	0.176	(	0.595)	0.485
27	2.25	5.00	0.787	0.176	(	0.708)	0.611
28	2.33	3.50	0.551	0.176	(	0.496)	0.375
29	2.42	6.80	1.070	0.176	(	0.963)	0.894
30	2.50	7.30	1.149	0.176	(	1.034)	0.973
31	2.58	8.20	1.290	0.176	(	1.161)	1.115
32	2.67	5.90	0.928	0.176	(	0.836)	0.753
33	2.75	2.00	0.315	0.176	(	0.283)	0.139
34	2.83	1.80	0.283	0.176	(	0.255)	0.108
35	2.92	1.80	0.283	0.176	(	0.255)	0.108
36	3.00	0.60	0.094	(0.176)		0.085	0.009

```
          (Loss Rate Not Used)
   Sum =     100.0                                    Sum =     9.5
     Flood volume = Effective rainfall      0.79(In)
      times area      19.3(Ac.)/[(In)/(Ft.)] =       1.3(Ac.Ft)
     Total soil loss =      0.52(In)
     Total soil loss =     0.832(Ac.Ft)
     Total rainfall =      1.31(In)
     Flood volume =       55605.9 Cubic Feet
     Total soil loss =       36262.3 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     18.290(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         3 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0        5.0      10.0      15.0      20.0
 ---------------------------------------------------------------------------
   0+ 5       0.0007      0.10  Q         |         |         |         |
   0+10       0.0032      0.37  Q         |         |         |         |
   0+15       0.0062      0.42  Q         |         |         |         |
   0+20       0.0096      0.50  VQ        |         |         |         |
   0+25       0.0158      0.89  VQ        |         |         |         |
   0+30       0.0240      1.19  V Q       |         |         |         |
   0+35       0.0345      1.53  |V Q      |         |         |         |
   0+40       0.0445      1.44  |VQ       |         |         |         |
   0+45       0.0570      1.82  |V Q      |         |         |         |
   0+50       0.0693      1.79  | VQ      |         |         |         |
   0+55       0.0794      1.47  | Q       |         |         |         |
   1+ 0       0.0905      1.61  | VQ      |         |         |         |
   1+ 5       0.1051      2.12  |  VQ     |         |         |         |
   1+10       0.1244      2.81  |  V Q    |         |         |         |
   1+15       0.1454      3.04  |   V Q   |         |         |         |
   1+20       0.1664      3.05  |    VQ   |         |         |         |
   1+25       0.1880      3.14  |    VQ   |         |         |         |
   1+30       0.2157      4.02  |     V Q |         |         |         |
   1+35       0.2453      4.29  |      VQ |         |         |         |
   1+40       0.2741      4.19  |       Q |         |         |         |
   1+45       0.3079      4.90  |        Q|         |         |         |
   1+50       0.3479      5.81  |         VQ        |         |         |
   1+55       0.3876      5.77  |         |QV       |         |         |
   2+ 0       0.4261      5.60  |         |Q V      |         |         |
   2+ 5       0.4658      5.76  |         |Q  V     |         |         |
   2+10       0.5108      6.54  |         |  Q  V   |         |         |
   2+15       0.5704      8.66  |         |     Q   |         |         |
   2+20       0.6366      9.60  |         |       Q |         |         |
   2+25       0.7045      9.86  |         |       Q| V        |         |
   2+30       0.8047     14.55  |         |         |    V   Q|         |
   2+35       0.9238     17.29  |         |         |       V |   Q     |
   2+40       1.0498     18.29  |         |         |         | V   Q   |
   2+45       1.1443     13.73  |         |         |      Q  |    V    |
   2+50       1.1943      7.26  |         |   Q     |         |      V  |
   2+55       1.2273      4.79  |        Q|         |         |       V |
   3+ 0       1.2505      3.36  |     Q   |         |         |        V|
   3+ 5       1.2631      1.83  |  Q      |         |         |        V|
   3+10       1.2699      1.00  |Q        |         |         |        V|
   3+15       1.2737      0.55  |Q        |         |         |        V|
   3+20       1.2755      0.25  Q         |         |         |        V|
   3+25       1.2761      0.09  Q         |         |         |        V|
   3+30       1.2764      0.04  Q         |         |         |        V|
   3+35       1.2765      0.02  Q         |         |         |        V|
   3+40       1.2765      0.00  Q         |         |         |         V
---------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 03/09/22 File: PROA102410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

PROPOSED UNIT HYDROGRAPH,
10-YEAR 24HR STORM
TTM# 38171

Drainage Area = 19.30(Ac.) = 0.030 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 19.30(Ac.) = 0.030 Sq. Mi.
Length along longest watercourse = 2170.00(Ft.)
Length along longest watercourse measured to centroid = 1070.00(Ft.)
Length along longest watercourse = 0.411 Mi.
Length along longest watercourse measured to centroid = 0.203 Mi.
Difference in elevation = 149.30(Ft.)
Slope along watercourse = 363.2737 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.046 Hr.
Lag time = 2.74 Min.
25% of lag time = 0.69 Min.
40% of lag time = 1.10 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
19.30	2.50	48.25

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
19.30	6.00	115.80

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 2.500(In)
Area Averaged 100-Year Rainfall = 6.000(In)

Point rain (area averaged) = 3.940(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 3.940(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
19.300	69.20	0.484

Total Area Entered = 19.30(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      69.2  69.2      0.371     0.484        0.209       1.000      0.209
                                                          Sum (F) =   0.209
      Area averaged mean soil loss (F) (In/Hr) =  0.209
      Minimum soil loss rate ((In/Hr)) =  0.105
      (for 24 hour storm duration)
      Soil low loss rate (decimal) =   0.513
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083        182.449         40.198              7.819
          2   0.167        364.898         44.610              8.677
          3   0.250        547.348          9.547              1.857
          4   0.333        729.797          3.885              0.756
          5   0.417        912.246          1.760              0.342
                                    Sum = 100.000   Sum=      19.451
------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.032	(0.371)	0.016	0.015
2	0.17	0.07	0.032	(0.369)	0.016	0.015
3	0.25	0.07	0.032	(0.368)	0.016	0.015
4	0.33	0.10	0.047	(0.367)	0.024	0.023
5	0.42	0.10	0.047	(0.365)	0.024	0.023
6	0.50	0.10	0.047	(0.364)	0.024	0.023
7	0.58	0.10	0.047	(0.362)	0.024	0.023
8	0.67	0.10	0.047	(0.361)	0.024	0.023
9	0.75	0.10	0.047	(0.359)	0.024	0.023
10	0.83	0.13	0.063	(0.358)	0.032	0.031
11	0.92	0.13	0.063	(0.357)	0.032	0.031
12	1.00	0.13	0.063	(0.355)	0.032	0.031
13	1.08	0.10	0.047	(0.354)	0.024	0.023
14	1.17	0.10	0.047	(0.352)	0.024	0.023
15	1.25	0.10	0.047	(0.351)	0.024	0.023
16	1.33	0.10	0.047	(0.350)	0.024	0.023
17	1.42	0.10	0.047	(0.348)	0.024	0.023
18	1.50	0.10	0.047	(0.347)	0.024	0.023
19	1.58	0.10	0.047	(0.345)	0.024	0.023
20	1.67	0.10	0.047	(0.344)	0.024	0.023
21	1.75	0.10	0.047	(0.343)	0.024	0.023
22	1.83	0.13	0.063	(0.341)	0.032	0.031
23	1.92	0.13	0.063	(0.340)	0.032	0.031
24	2.00	0.13	0.063	(0.339)	0.032	0.031
25	2.08	0.13	0.063	(0.337)	0.032	0.031
26	2.17	0.13	0.063	(0.336)	0.032	0.031
27	2.25	0.13	0.063	(0.334)	0.032	0.031
28	2.33	0.13	0.063	(0.333)	0.032	0.031
29	2.42	0.13	0.063	(0.332)	0.032	0.031
30	2.50	0.13	0.063	(0.330)	0.032	0.031
31	2.58	0.17	0.079	(0.329)	0.040	0.038
32	2.67	0.17	0.079	(0.328)	0.040	0.038
33	2.75	0.17	0.079	(0.326)	0.040	0.038
34	2.83	0.17	0.079	(0.325)	0.040	0.038
35	2.92	0.17	0.079	(0.324)	0.040	0.038
36	3.00	0.17	0.079	(0.322)	0.040	0.038
37	3.08	0.17	0.079	(0.321)	0.040	0.038
38	3.17	0.17	0.079	(0.320)	0.040	0.038

39	3.25	0.17	0.079	(0.318)	0.040	0.038
40	3.33	0.17	0.079	(0.317)	0.040	0.038
41	3.42	0.17	0.079	(0.316)	0.040	0.038
42	3.50	0.17	0.079	(0.314)	0.040	0.038
43	3.58	0.17	0.079	(0.313)	0.040	0.038
44	3.67	0.17	0.079	(0.312)	0.040	0.038
45	3.75	0.17	0.079	(0.310)	0.040	0.038
46	3.83	0.20	0.095	(0.309)	0.048	0.046
47	3.92	0.20	0.095	(0.308)	0.048	0.046
48	4.00	0.20	0.095	(0.306)	0.048	0.046
49	4.08	0.20	0.095	(0.305)	0.048	0.046
50	4.17	0.20	0.095	(0.304)	0.048	0.046
51	4.25	0.20	0.095	(0.303)	0.048	0.046
52	4.33	0.23	0.110	(0.301)	0.057	0.054
53	4.42	0.23	0.110	(0.300)	0.057	0.054
54	4.50	0.23	0.110	(0.299)	0.057	0.054
55	4.58	0.23	0.110	(0.297)	0.057	0.054
56	4.67	0.23	0.110	(0.296)	0.057	0.054
57	4.75	0.23	0.110	(0.295)	0.057	0.054
58	4.83	0.27	0.126	(0.294)	0.065	0.061
59	4.92	0.27	0.126	(0.292)	0.065	0.061
60	5.00	0.27	0.126	(0.291)	0.065	0.061
61	5.08	0.20	0.095	(0.290)	0.048	0.046
62	5.17	0.20	0.095	(0.289)	0.048	0.046
63	5.25	0.20	0.095	(0.287)	0.048	0.046
64	5.33	0.23	0.110	(0.286)	0.057	0.054
65	5.42	0.23	0.110	(0.285)	0.057	0.054
66	5.50	0.23	0.110	(0.284)	0.057	0.054
67	5.58	0.27	0.126	(0.282)	0.065	0.061
68	5.67	0.27	0.126	(0.281)	0.065	0.061
69	5.75	0.27	0.126	(0.280)	0.065	0.061
70	5.83	0.27	0.126	(0.279)	0.065	0.061
71	5.92	0.27	0.126	(0.277)	0.065	0.061
72	6.00	0.27	0.126	(0.276)	0.065	0.061
73	6.08	0.30	0.142	(0.275)	0.073	0.069
74	6.17	0.30	0.142	(0.274)	0.073	0.069
75	6.25	0.30	0.142	(0.272)	0.073	0.069
76	6.33	0.30	0.142	(0.271)	0.073	0.069
77	6.42	0.30	0.142	(0.270)	0.073	0.069
78	6.50	0.30	0.142	(0.269)	0.073	0.069
79	6.58	0.33	0.158	(0.268)	0.081	0.077
80	6.67	0.33	0.158	(0.266)	0.081	0.077
81	6.75	0.33	0.158	(0.265)	0.081	0.077
82	6.83	0.33	0.158	(0.264)	0.081	0.077
83	6.92	0.33	0.158	(0.263)	0.081	0.077
84	7.00	0.33	0.158	(0.262)	0.081	0.077
85	7.08	0.33	0.158	(0.260)	0.081	0.077
86	7.17	0.33	0.158	(0.259)	0.081	0.077
87	7.25	0.33	0.158	(0.258)	0.081	0.077
88	7.33	0.37	0.173	(0.257)	0.089	0.084
89	7.42	0.37	0.173	(0.256)	0.089	0.084
90	7.50	0.37	0.173	(0.255)	0.089	0.084
91	7.58	0.40	0.189	(0.253)	0.097	0.092
92	7.67	0.40	0.189	(0.252)	0.097	0.092
93	7.75	0.40	0.189	(0.251)	0.097	0.092
94	7.83	0.43	0.205	(0.250)	0.105	0.100
95	7.92	0.43	0.205	(0.249)	0.105	0.100
96	8.00	0.43	0.205	(0.248)	0.105	0.100
97	8.08	0.50	0.236	(0.246)	0.121	0.115
98	8.17	0.50	0.236	(0.245)	0.121	0.115
99	8.25	0.50	0.236	(0.244)	0.121	0.115
100	8.33	0.50	0.236	(0.243)	0.121	0.115
101	8.42	0.50	0.236	(0.242)	0.121	0.115
102	8.50	0.50	0.236	(0.241)	0.121	0.115
103	8.58	0.53	0.252	(0.240)	0.129	0.123
104	8.67	0.53	0.252	(0.238)	0.129	0.123
105	8.75	0.53	0.252	(0.237)	0.129	0.123
106	8.83	0.57	0.268	(0.236)	0.137	0.131

107	8.92	0.57	0.268	(0.235)	0.137	0.131
108	9.00	0.57	0.268	(0.234)	0.137	0.131
109	9.08	0.63	0.299	(0.233)	0.154	0.146
110	9.17	0.63	0.299	(0.232)	0.154	0.146
111	9.25	0.63	0.299	(0.231)	0.154	0.146
112	9.33	0.67	0.315	(0.230)	0.162	0.154
113	9.42	0.67	0.315	(0.228)	0.162	0.154
114	9.50	0.67	0.315	(0.227)	0.162	0.154
115	9.58	0.70	0.331	(0.226)	0.170	0.161
116	9.67	0.70	0.331	(0.225)	0.170	0.161
117	9.75	0.70	0.331	(0.224)	0.170	0.161
118	9.83	0.73	0.347	(0.223)	0.178	0.169
119	9.92	0.73	0.347	(0.222)	0.178	0.169
120	10.00	0.73	0.347	(0.221)	0.178	0.169
121	10.08	0.50	0.236	(0.220)	0.121	0.115
122	10.17	0.50	0.236	(0.219)	0.121	0.115
123	10.25	0.50	0.236	(0.218)	0.121	0.115
124	10.33	0.50	0.236	(0.217)	0.121	0.115
125	10.42	0.50	0.236	(0.216)	0.121	0.115
126	10.50	0.50	0.236	(0.215)	0.121	0.115
127	10.58	0.67	0.315	(0.214)	0.162	0.154
128	10.67	0.67	0.315	(0.212)	0.162	0.154
129	10.75	0.67	0.315	(0.211)	0.162	0.154
130	10.83	0.67	0.315	(0.210)	0.162	0.154
131	10.92	0.67	0.315	(0.209)	0.162	0.154
132	11.00	0.67	0.315	(0.208)	0.162	0.154
133	11.08	0.63	0.299	(0.207)	0.154	0.146
134	11.17	0.63	0.299	(0.206)	0.154	0.146
135	11.25	0.63	0.299	(0.205)	0.154	0.146
136	11.33	0.63	0.299	(0.204)	0.154	0.146
137	11.42	0.63	0.299	(0.203)	0.154	0.146
138	11.50	0.63	0.299	(0.202)	0.154	0.146
139	11.58	0.57	0.268	(0.201)	0.137	0.131
140	11.67	0.57	0.268	(0.200)	0.137	0.131
141	11.75	0.57	0.268	(0.199)	0.137	0.131
142	11.83	0.60	0.284	(0.198)	0.145	0.138
143	11.92	0.60	0.284	(0.197)	0.145	0.138
144	12.00	0.60	0.284	(0.196)	0.145	0.138
145	12.08	0.83	0.394	0.195	(0.202)	0.199
146	12.17	0.83	0.394	0.194	(0.202)	0.200
147	12.25	0.83	0.394	0.193	(0.202)	0.201
148	12.33	0.87	0.410	0.192	(0.210)	0.217
149	12.42	0.87	0.410	0.191	(0.210)	0.218
150	12.50	0.87	0.410	0.190	(0.210)	0.219
151	12.58	0.93	0.441	0.189	(0.226)	0.252
152	12.67	0.93	0.441	0.189	(0.226)	0.253
153	12.75	0.93	0.441	0.188	(0.226)	0.254
154	12.83	0.97	0.457	0.187	(0.234)	0.270
155	12.92	0.97	0.457	0.186	(0.234)	0.271
156	13.00	0.97	0.457	0.185	(0.234)	0.272
157	13.08	1.13	0.536	0.184	(0.275)	0.352
158	13.17	1.13	0.536	0.183	(0.275)	0.353
159	13.25	1.13	0.536	0.182	(0.275)	0.354
160	13.33	1.13	0.536	0.181	(0.275)	0.355
161	13.42	1.13	0.536	0.180	(0.275)	0.356
162	13.50	1.13	0.536	0.179	(0.275)	0.357
163	13.58	0.77	0.362	0.178	(0.186)	0.184
164	13.67	0.77	0.362	0.177	(0.186)	0.185
165	13.75	0.77	0.362	0.176	(0.186)	0.186
166	13.83	0.77	0.362	0.176	(0.186)	0.187
167	13.92	0.77	0.362	0.175	(0.186)	0.188
168	14.00	0.77	0.362	0.174	(0.186)	0.189
169	14.08	0.90	0.425	0.173	(0.218)	0.253
170	14.17	0.90	0.425	0.172	(0.218)	0.254
171	14.25	0.90	0.425	0.171	(0.218)	0.254
172	14.33	0.87	0.410	0.170	(0.210)	0.239
173	14.42	0.87	0.410	0.169	(0.210)	0.240
174	14.50	0.87	0.410	0.168	(0.210)	0.241

175	14.58	0.87	0.410		0.168	(0.210)	0.242
176	14.67	0.87	0.410		0.167	(0.210)	0.243
177	14.75	0.87	0.410		0.166	(0.210)	0.244
178	14.83	0.83	0.394		0.165	(0.202)	0.229
179	14.92	0.83	0.394		0.164	(0.202)	0.230
180	15.00	0.83	0.394		0.163	(0.202)	0.231
181	15.08	0.80	0.378		0.163	(0.194)	0.216
182	15.17	0.80	0.378		0.162	(0.194)	0.217
183	15.25	0.80	0.378		0.161	(0.194)	0.217
184	15.33	0.77	0.362		0.160	(0.186)	0.202
185	15.42	0.77	0.362		0.159	(0.186)	0.203
186	15.50	0.77	0.362		0.158	(0.186)	0.204
187	15.58	0.63	0.299	(0.158)		0.154	0.146
188	15.67	0.63	0.299	(0.157)		0.154	0.146
189	15.75	0.63	0.299	(0.156)		0.154	0.146
190	15.83	0.63	0.299	(0.155)		0.154	0.146
191	15.92	0.63	0.299	(0.154)		0.154	0.146
192	16.00	0.63	0.299	(0.154)		0.154	0.146
193	16.08	0.13	0.063	(0.153)		0.032	0.031
194	16.17	0.13	0.063	(0.152)		0.032	0.031
195	16.25	0.13	0.063	(0.151)		0.032	0.031
196	16.33	0.13	0.063	(0.151)		0.032	0.031
197	16.42	0.13	0.063	(0.150)		0.032	0.031
198	16.50	0.13	0.063	(0.149)		0.032	0.031
199	16.58	0.10	0.047	(0.148)		0.024	0.023
200	16.67	0.10	0.047	(0.147)		0.024	0.023
201	16.75	0.10	0.047	(0.147)		0.024	0.023
202	16.83	0.10	0.047	(0.146)		0.024	0.023
203	16.92	0.10	0.047	(0.145)		0.024	0.023
204	17.00	0.10	0.047	(0.144)		0.024	0.023
205	17.08	0.17	0.079	(0.144)		0.040	0.038
206	17.17	0.17	0.079	(0.143)		0.040	0.038
207	17.25	0.17	0.079	(0.142)		0.040	0.038
208	17.33	0.17	0.079	(0.142)		0.040	0.038
209	17.42	0.17	0.079	(0.141)		0.040	0.038
210	17.50	0.17	0.079	(0.140)		0.040	0.038
211	17.58	0.17	0.079	(0.139)		0.040	0.038
212	17.67	0.17	0.079	(0.139)		0.040	0.038
213	17.75	0.17	0.079	(0.138)		0.040	0.038
214	17.83	0.13	0.063	(0.137)		0.032	0.031
215	17.92	0.13	0.063	(0.137)		0.032	0.031
216	18.00	0.13	0.063	(0.136)		0.032	0.031
217	18.08	0.13	0.063	(0.135)		0.032	0.031
218	18.17	0.13	0.063	(0.135)		0.032	0.031
219	18.25	0.13	0.063	(0.134)		0.032	0.031
220	18.33	0.13	0.063	(0.133)		0.032	0.031
221	18.42	0.13	0.063	(0.133)		0.032	0.031
222	18.50	0.13	0.063	(0.132)		0.032	0.031
223	18.58	0.10	0.047	(0.131)		0.024	0.023
224	18.67	0.10	0.047	(0.131)		0.024	0.023
225	18.75	0.10	0.047	(0.130)		0.024	0.023
226	18.83	0.07	0.032	(0.130)		0.016	0.015
227	18.92	0.07	0.032	(0.129)		0.016	0.015
228	19.00	0.07	0.032	(0.128)		0.016	0.015
229	19.08	0.10	0.047	(0.128)		0.024	0.023
230	19.17	0.10	0.047	(0.127)		0.024	0.023
231	19.25	0.10	0.047	(0.127)		0.024	0.023
232	19.33	0.13	0.063	(0.126)		0.032	0.031
233	19.42	0.13	0.063	(0.125)		0.032	0.031
234	19.50	0.13	0.063	(0.125)		0.032	0.031
235	19.58	0.10	0.047	(0.124)		0.024	0.023
236	19.67	0.10	0.047	(0.124)		0.024	0.023
237	19.75	0.10	0.047	(0.123)		0.024	0.023
238	19.83	0.07	0.032	(0.123)		0.016	0.015
239	19.92	0.07	0.032	(0.122)		0.016	0.015
240	20.00	0.07	0.032	(0.121)		0.016	0.015
241	20.08	0.10	0.047	(0.121)		0.024	0.023
242	20.17	0.10	0.047	(0.120)		0.024	0.023

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243  20.25     0.10      0.047       (  0.120)       0.024        0.023
244  20.33     0.10      0.047       (  0.119)       0.024        0.023
245  20.42     0.10      0.047       (  0.119)       0.024        0.023
246  20.50     0.10      0.047       (  0.118)       0.024        0.023
247  20.58     0.10      0.047       (  0.118)       0.024        0.023
248  20.67     0.10      0.047       (  0.117)       0.024        0.023
249  20.75     0.10      0.047       (  0.117)       0.024        0.023
250  20.83     0.07      0.032       (  0.116)       0.016        0.015
251  20.92     0.07      0.032       (  0.116)       0.016        0.015
252  21.00     0.07      0.032       (  0.115)       0.016        0.015
253  21.08     0.10      0.047       (  0.115)       0.024        0.023
254  21.17     0.10      0.047       (  0.115)       0.024        0.023
255  21.25     0.10      0.047       (  0.114)       0.024        0.023
256  21.33     0.07      0.032       (  0.114)       0.016        0.015
257  21.42     0.07      0.032       (  0.113)       0.016        0.015
258  21.50     0.07      0.032       (  0.113)       0.016        0.015
259  21.58     0.10      0.047       (  0.112)       0.024        0.023
260  21.67     0.10      0.047       (  0.112)       0.024        0.023
261  21.75     0.10      0.047       (  0.112)       0.024        0.023
262  21.83     0.07      0.032       (  0.111)       0.016        0.015
263  21.92     0.07      0.032       (  0.111)       0.016        0.015
264  22.00     0.07      0.032       (  0.110)       0.016        0.015
265  22.08     0.10      0.047       (  0.110)       0.024        0.023
266  22.17     0.10      0.047       (  0.110)       0.024        0.023
267  22.25     0.10      0.047       (  0.109)       0.024        0.023
268  22.33     0.07      0.032       (  0.109)       0.016        0.015
269  22.42     0.07      0.032       (  0.109)       0.016        0.015
270  22.50     0.07      0.032       (  0.108)       0.016        0.015
271  22.58     0.07      0.032       (  0.108)       0.016        0.015
272  22.67     0.07      0.032       (  0.108)       0.016        0.015
273  22.75     0.07      0.032       (  0.107)       0.016        0.015
274  22.83     0.07      0.032       (  0.107)       0.016        0.015
275  22.92     0.07      0.032       (  0.107)       0.016        0.015
276  23.00     0.07      0.032       (  0.107)       0.016        0.015
277  23.08     0.07      0.032       (  0.106)       0.016        0.015
278  23.17     0.07      0.032       (  0.106)       0.016        0.015
279  23.25     0.07      0.032       (  0.106)       0.016        0.015
280  23.33     0.07      0.032       (  0.106)       0.016        0.015
281  23.42     0.07      0.032       (  0.106)       0.016        0.015
282  23.50     0.07      0.032       (  0.105)       0.016        0.015
283  23.58     0.07      0.032       (  0.105)       0.016        0.015
284  23.67     0.07      0.032       (  0.105)       0.016        0.015
285  23.75     0.07      0.032       (  0.105)       0.016        0.015
286  23.83     0.07      0.032       (  0.105)       0.016        0.015
287  23.92     0.07      0.032       (  0.105)       0.016        0.015
288  24.00     0.07      0.032       (  0.105)       0.016        0.015
          (Loss Rate Not Used)
    Sum =     100.0                                  Sum =    24.7
      Flood volume = Effective rainfall      2.06(In)
       times area      19.3(Ac.)/[(In)/(Ft.)] =       3.3(Ac.Ft)
      Total soil loss =      1.88(In)
      Total soil loss =     3.030(Ac.Ft)
      Total rainfall =      3.94(In)
      Flood volume =      144041.3 Cubic Feet
      Total soil loss =      131975.7 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =      6.926(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         24 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0        2.5       5.0       7.5      10.0
 ------------------------------------------------------------------------
   0+ 5       0.0008      0.12  Q         |         |         |         |
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0+10       0.0026      0.25  VQ        |          |          |          |
0+15       0.0045      0.28  VQ        |          |          |          |
0+20       0.0070      0.35  VQ        |          |          |          |
0+25       0.0099      0.43  VQ        |          |          |          |
0+30       0.0129      0.44  VQ        |          |          |          |
0+35       0.0160      0.45  VQ        |          |          |          |
0+40       0.0191      0.45  VQ        |          |          |          |
0+45       0.0222      0.45  VQ        |          |          |          |
0+50       0.0257      0.51  V Q       |          |          |          |
0+55       0.0296      0.57  V Q       |          |          |          |
1+ 0       0.0337      0.59  V Q       |          |          |          |
1+ 5       0.0374      0.53  V Q       |          |          |          |
1+10       0.0406      0.47  VQ        |          |          |          |
1+15       0.0437      0.46  VQ        |          |          |          |
1+20       0.0469      0.45  VQ        |          |          |          |
1+25       0.0499      0.45  VQ        |          |          |          |
1+30       0.0530      0.45  VQ        |          |          |          |
1+35       0.0561      0.45  VQ        |          |          |          |
1+40       0.0592      0.45  VQ        |          |          |          |
1+45       0.0623      0.45  VQ        |          |          |          |
1+50       0.0658      0.51  V Q       |          |          |          |
1+55       0.0697      0.57  V Q       |          |          |          |
2+ 0       0.0738      0.59  V Q       |          |          |          |
2+ 5       0.0779      0.60  V Q       |          |          |          |
2+10       0.0820      0.60  V Q       |          |          |          |
2+15       0.0861      0.60  |VQ       |          |          |          |
2+20       0.0903      0.60  |VQ       |          |          |          |
2+25       0.0944      0.60  |VQ       |          |          |          |
2+30       0.0985      0.60  |VQ       |          |          |          |
2+35       0.1030      0.66  |VQ       |          |          |          |
2+40       0.1080      0.72  |VQ       |          |          |          |
2+45       0.1131      0.74  |VQ       |          |          |          |
2+50       0.1182      0.74  |VQ       |          |          |          |
2+55       0.1234      0.75  |VQ       |          |          |          |
3+ 0       0.1285      0.75  |VQ       |          |          |          |
3+ 5       0.1337      0.75  |VQ       |          |          |          |
3+10       0.1388      0.75  |VQ       |          |          |          |
3+15       0.1439      0.75  |VQ       |          |          |          |
3+20       0.1491      0.75  |VQ       |          |          |          |
3+25       0.1542      0.75  |VQ       |          |          |          |
3+30       0.1594      0.75  |VQ       |          |          |          |
3+35       0.1645      0.75  |VQ       |          |          |          |
3+40       0.1697      0.75  | Q       |          |          |          |
3+45       0.1748      0.75  | Q       |          |          |          |
3+50       0.1804      0.81  | VQ      |          |          |          |
3+55       0.1864      0.87  | VQ      |          |          |          |
4+ 0       0.1925      0.89  | VQ      |          |          |          |
4+ 5       0.1987      0.89  | VQ      |          |          |          |
4+10       0.2048      0.90  | VQ      |          |          |          |
4+15       0.2110      0.90  | VQ      |          |          |          |
4+20       0.2176      0.96  | VQ      |          |          |          |
4+25       0.2246      1.02  | V Q     |          |          |          |
4+30       0.2318      1.04  | V Q     |          |          |          |
4+35       0.2390      1.04  | V Q     |          |          |          |
4+40       0.2462      1.05  | V Q     |          |          |          |
4+45       0.2534      1.05  |  VQ     |          |          |          |
4+50       0.2610      1.11  |  VQ     |          |          |          |
4+55       0.2691      1.17  |  VQ     |          |          |          |
5+ 0       0.2773      1.19  |  VQ     |          |          |          |
5+ 5       0.2846      1.07  |  VQ     |          |          |          |
5+10       0.2911      0.94  |  Q      |          |          |          |
5+15       0.2974      0.91  |  Q      |          |          |          |
5+20       0.3040      0.96  |  Q      |          |          |          |
5+25       0.3111      1.02  |  VQ     |          |          |          |
5+30       0.3182      1.04  |  VQ     |          |          |          |
5+35       0.3258      1.10  |  VQ     |          |          |          |
5+40       0.3339      1.17  |   Q     |          |          |          |
5+45       0.3421      1.19  |   Q     |          |          |          |
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 5+50       0.3503      1.19  |   Q     |         |         |         |
 5+55       0.3585      1.20  |   Q     |         |         |         |
 6+ 0       0.3668      1.20  |   Q     |         |         |         |
 6+ 5       0.3754      1.26  |   VQ    |         |         |         |
 6+10       0.3845      1.32  |   VQ    |         |         |         |
 6+15       0.3937      1.34  |   VQ    |         |         |         |
 6+20       0.4030      1.34  |   VQ    |         |         |         |
 6+25       0.4122      1.34  |   VQ    |         |         |         |
 6+30       0.4215      1.34  |    Q    |         |         |         |
 6+35       0.4312      1.40  |    Q    |         |         |         |
 6+40       0.4413      1.47  |    Q    |         |         |         |
 6+45       0.4515      1.49  |    Q    |         |         |         |
 6+50       0.4618      1.49  |    Q    |         |         |         |
 6+55       0.4721      1.49  |    Q    |         |         |         |
 7+ 0       0.4824      1.49  |    Q    |         |         |         |
 7+ 5       0.4927      1.49  |    Q    |         |         |         |
 7+10       0.5030      1.49  |    QV   |         |         |         |
 7+15       0.5132      1.49  |    QV   |         |         |         |
 7+20       0.5240      1.55  |     Q   |         |         |         |
 7+25       0.5351      1.62  |     Q   |         |         |         |
 7+30       0.5464      1.64  |     Q   |         |         |         |
 7+35       0.5581      1.70  |     Q   |         |         |         |
 7+40       0.5703      1.77  |     VQ  |         |         |         |
 7+45       0.5826      1.78  |      Q  |         |         |         |
 7+50       0.5953      1.85  |      Q  |         |         |         |
 7+55       0.6085      1.92  |      Q  |         |         |         |
 8+ 0       0.6219      1.93  |      Q  |         |         |         |
 8+ 5       0.6360      2.06  |      VQ |         |         |         |
 8+10       0.6512      2.20  |      VQ |         |         |         |
 8+15       0.6665      2.22  |       Q |         |         |         |
 8+20       0.6819      2.24  |       Q |         |         |         |
 8+25       0.6973      2.24  |       Q |         |         |         |
 8+30       0.7128      2.24  |       Q |         |         |         |
 8+35       0.7286      2.30  |       VQ|         |         |         |
 8+40       0.7449      2.37  |        Q|         |         |         |
 8+45       0.7613      2.38  |        Q|         |         |         |
 8+50       0.7782      2.45  |        Q|         |         |         |
 8+55       0.7955      2.52  |        VQ         |         |         |
 9+ 0       0.8130      2.53  |        VQ         |         |         |
 9+ 5       0.8313      2.66  |         Q         |         |         |
 9+10       0.8505      2.79  |         VQ        |         |         |
 9+15       0.8699      2.82  |         VQ        |         |         |
 9+20       0.8899      2.89  |         VQ        |         |         |
 9+25       0.9103      2.97  |         |Q        |         |         |
 9+30       0.9308      2.98  |         |Q        |         |         |
 9+35       0.9518      3.05  |         |VQ       |         |         |
 9+40       0.9732      3.12  |         |VQ       |         |         |
 9+45       0.9948      3.13  |         | Q       |         |         |
 9+50       1.0168      3.20  |         | Q       |         |         |
 9+55       1.0393      3.26  |         | VQ      |         |         |
10+ 0       1.0619      3.28  |         | VQ      |         |         |
10+ 5       1.0816      2.86  |         |Q V      |         |         |
10+10       1.0981      2.40  |        Q|  V      |         |         |
10+15       1.1140      2.30  |        Q|  V      |         |         |
10+20       1.1295      2.26  |        Q|  V      |         |         |
10+25       1.1450      2.24  |       Q |  V      |         |         |
10+30       1.1604      2.24  |       Q |   V     |         |         |
10+35       1.1779      2.54  |         Q   V     |         |         |
10+40       1.1977      2.87  |         |Q  V     |         |         |
10+45       1.2180      2.95  |         |Q  V     |         |         |
10+50       1.2385      2.98  |         |Q  V     |         |         |
10+55       1.2591      2.99  |         |Q   V    |         |         |
11+ 0       1.2796      2.99  |         |Q   V    |         |         |
11+ 5       1.2998      2.93  |         |Q   V    |         |         |
11+10       1.3195      2.86  |         |Q   V    |         |         |
11+15       1.3391      2.85  |         |Q    V   |         |         |
11+20       1.3587      2.84  |         |Q    V   |         |         |
11+25       1.3782      2.84  |         |Q    V   |         |         |
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11+30	1.3978	2.84	|	|Q V |	|	|
11+35	1.4165	2.72	|	Q V |	|	|
11+40	1.4343	2.59	|	Q V |	|	|
11+45	1.4519	2.56	|	Q V |	|	|
11+50	1.4699	2.61	|	Q V |	|	|
11+55	1.4882	2.67	|	Q V |	|	|
12+ 0	1.5067	2.68	|	Q V |	|	|
12+ 5	1.5285	3.16	|	| Q V |	|	|
12+10	1.5539	3.70	|	| Q V |	|	|
12+15	1.5803	3.82	|	| Q V|	|	|
12+20	1.6079	4.01	|	| Q V|	|	|
12+25	1.6367	4.19	|	| Q V|	|	|
12+30	1.6659	4.24	|	| Q V |	|	|
12+35	1.6970	4.51	|	| Q V |	|	|
12+40	1.7301	4.81	|	| QV |	|	|
12+45	1.7638	4.89	|	| Q|V |	|	|
12+50	1.7986	5.05	|	| QV |	|	|
12+55	1.8345	5.22	|	| Q V |	|	|
13+ 0	1.8708	5.27	|	| |QV |	|	|
13+ 5	1.9115	5.91	|	| | Q |	|	|
13+10	1.9571	6.62	|	| | V Q |	|	|
13+15	2.0038	6.79	|	| | V Q |	|	|
13+20	2.0511	6.86	|	| | V Q |	|	|
13+25	2.0987	6.91	|	| | V Q |	|	|
13+30	2.1464	6.93	|	| | V Q |	|	|
13+35	2.1848	5.59	|	| | Q V |	|	|
13+40	2.2131	4.10	|	| Q | V |	|	|
13+45	2.2392	3.80	|	| Q | V |	|	|
13+50	2.2646	3.68	|	| Q | V |	|	|
13+55	2.2897	3.64	|	| Q | V |	|	|
14+ 0	2.3148	3.66	|	| Q | V |	|	|
14+ 5	2.3436	4.17	|	| Q | V |	|	|
14+10	2.3761	4.73	|	| Q | V |	|	|
14+15	2.4097	4.87	|	| Q| V|	|	|
14+20	2.4428	4.81	|	| Q| V|	|	|
14+25	2.4752	4.71	|	| Q | V|	|	|
14+30	2.5076	4.70	|	| Q | V |	|	|
14+35	2.5400	4.70	|	| Q | V |	|	|
14+40	2.5724	4.71	|	| Q | |V |	|	|
14+45	2.6050	4.73	|	| Q | |V |	|	|
14+50	2.6369	4.62	|	| Q | |V |	|	|
14+55	2.6679	4.50	|	| Q | | V |	|	|
15+ 0	2.6988	4.49	|	| Q | | V |	|	|
15+ 5	2.7289	4.37	|	| Q | | V |	|	|
15+10	2.7582	4.25	|	| Q | | V |	|	|
15+15	2.7873	4.23	|	| Q | | V |	|	|
15+20	2.8157	4.11	|	| Q | | V |	|	|
15+25	2.8431	3.99	|	| Q | | V |	|	|
15+30	2.8705	3.97	|	| Q | | V |	|	|
15+35	2.8947	3.52	|	| Q | | V |	|	|
15+40	2.9155	3.01	|	| Q | | V |	|	|
15+45	2.9355	2.90	|	|Q | | V |	|	|
15+50	2.9552	2.86	|	|Q | | V |	|	|
15+55	2.9747	2.84	|	|Q | | V |	|	|
16+ 0	2.9943	2.84	|	|Q | | V |	|	|
16+ 5	3.0076	1.94	|	Q | | V |	|	|
16+10	3.0141	0.94	|	Q | | V |	|	|
16+15	3.0191	0.72	|	Q | | V |	|	|
16+20	3.0234	0.64	|	Q | | V |	|	|
16+25	3.0276	0.60	|	Q | | V |	|	|
16+30	3.0317	0.60	|	Q | | V |	|	|
16+35	3.0354	0.54	|	Q | | V |	|	|
16+40	3.0386	0.47	|	|Q | | V |	|	|
16+45	3.0418	0.46	|	|Q | | V |	|	|
16+50	3.0449	0.45	|	|Q | | V |	|	|
16+55	3.0480	0.45	|	|Q | | V |	|	|
17+ 0	3.0510	0.45	|	|Q | | V |	|	|
17+ 5	3.0550	0.57	|	| Q | | V |	|	|

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17+10       3.0598      0.70  | Q       |         |         |      V  |
17+15       3.0648      0.73  | Q       |         |         |      V  |
17+20       3.0699      0.74  | Q       |         |         |      V  |
17+25       3.0751      0.75  | Q       |         |         |      V  |
17+30       3.0802      0.75  | Q       |         |         |      V  |
17+35       3.0854      0.75  | Q       |         |         |      V  |
17+40       3.0905      0.75  | Q       |         |         |      V  |
17+45       3.0957      0.75  | Q       |         |         |      V  |
17+50       3.1004      0.69  | Q       |         |         |      V  |
17+55       3.1047      0.62  | Q       |         |         |      V  |
18+ 0       3.1088      0.61  | Q       |         |         |      V  |
18+ 5       3.1130      0.60  | Q       |         |         |      V  |
18+10       3.1171      0.60  | Q       |         |         |      V  |
18+15       3.1212      0.60  | Q       |         |         |      V  |
18+20       3.1253      0.60  | Q       |         |         |      V  |
18+25       3.1294      0.60  | Q       |         |         |      V  |
18+30       3.1336      0.60  | Q       |         |         |      V  |
18+35       3.1373      0.54  | Q       |         |         |      V  |
18+40       3.1405      0.47  |Q        |         |         |      V  |
18+45       3.1436      0.46  |Q        |         |         |       V |
18+50       3.1463      0.39  |Q        |         |         |       V |
18+55       3.1485      0.32  |Q        |         |         |       V |
19+ 0       3.1507      0.31  |Q        |         |         |       V |
19+ 5       3.1532      0.36  |Q        |         |         |       V |
19+10       3.1561      0.43  |Q        |         |         |       V |
19+15       3.1591      0.44  |Q        |         |         |       V |
19+20       3.1626      0.51  | Q       |         |         |       V |
19+25       3.1666      0.57  | Q       |         |         |       V |
19+30       3.1706      0.59  | Q       |         |         |       V |
19+35       3.1743      0.53  | Q       |         |         |       V |
19+40       3.1775      0.47  |Q        |         |         |       V |
19+45       3.1807      0.46  |Q        |         |         |       V |
19+50       3.1834      0.39  |Q        |         |         |       V |
19+55       3.1856      0.32  |Q        |         |         |       V |
20+ 0       3.1877      0.31  |Q        |         |         |       V |
20+ 5       3.1902      0.36  |Q        |         |         |       V |
20+10       3.1931      0.43  |Q        |         |         |       V |
20+15       3.1962      0.44  |Q        |         |         |       V |
20+20       3.1992      0.45  |Q        |         |         |       V |
20+25       3.2023      0.45  |Q        |         |         |       V |
20+30       3.2054      0.45  |Q        |         |         |       V |
20+35       3.2085      0.45  |Q        |         |         |       V |
20+40       3.2116      0.45  |Q        |         |         |       V |
20+45       3.2147      0.45  |Q        |         |         |       V |
20+50       3.2173      0.39  |Q        |         |         |       V |
20+55       3.2196      0.32  |Q        |         |         |       V |
21+ 0       3.2217      0.31  |Q        |         |         |       V |
21+ 5       3.2242      0.36  |Q        |         |         |        V|
21+10       3.2271      0.43  |Q        |         |         |        V|
21+15       3.2301      0.44  |Q        |         |         |        V|
21+20       3.2328      0.39  |Q        |         |         |        V|
21+25       3.2350      0.32  |Q        |         |         |        V|
21+30       3.2371      0.31  |Q        |         |         |        V|
21+35       3.2396      0.36  |Q        |         |         |        V|
21+40       3.2425      0.43  |Q        |         |         |        V|
21+45       3.2456      0.44  |Q        |         |         |        V|
21+50       3.2482      0.39  |Q        |         |         |        V|
21+55       3.2504      0.32  |Q        |         |         |        V|
22+ 0       3.2525      0.31  |Q        |         |         |        V|
22+ 5       3.2550      0.36  |Q        |         |         |        V|
22+10       3.2580      0.43  |Q        |         |         |        V|
22+15       3.2610      0.44  |Q        |         |         |        V|
22+20       3.2636      0.39  |Q        |         |         |        V|
22+25       3.2659      0.32  |Q        |         |         |        V|
22+30       3.2680      0.31  |Q        |         |         |        V|
22+35       3.2701      0.30  |Q        |         |         |        V|
22+40       3.2721      0.30  |Q        |         |         |        V|
22+45       3.2742      0.30  |Q        |         |         |        V|
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   22+50       3.2762      0.30  |Q        |         |         |        V|
   22+55       3.2783      0.30  |Q        |         |         |        V|
   23+ 0       3.2803      0.30  |Q        |         |         |        V|
   23+ 5       3.2824      0.30  |Q        |         |         |        V|
   23+10       3.2845      0.30  |Q        |         |         |        V|
   23+15       3.2865      0.30  |Q        |         |         |        V|
   23+20       3.2886      0.30  |Q        |         |         |        V|
   23+25       3.2906      0.30  |Q        |         |         |        V|
   23+30       3.2927      0.30  |Q        |         |         |        V|
   23+35       3.2947      0.30  |Q        |         |         |        V|
   23+40       3.2968      0.30  |Q        |         |         |        V|
   23+45       3.2989      0.30  |Q        |         |         |        V|
   23+50       3.3009      0.30  |Q        |         |         |        V|
   23+55       3.3030      0.30  |Q        |         |         |        V|
   24+ 0       3.3050      0.30  |Q        |         |         |        V|
   24+ 5       3.3063      0.18  Q         |         |         |        V|
   24+10       3.3066      0.05  Q         |         |         |        V|
   24+15       3.3067      0.02  Q         |         |         |        V|
   24+20       3.3067      0.01  Q         |         |         |         V
-------------------------------------------------------------------------
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 03/09/22 File: PROA10610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

PROPOSED UNIT HYDROGRAPH,
10-YEAR 6HR STORM
TTM# 38171

Drainage Area = 19.30(Ac.) = 0.030 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 19.30(Ac.) = 0.030 Sq. Mi.
Length along longest watercourse = 2170.00(Ft.)
Length along longest watercourse measured to centroid = 1070.00(Ft.)
Length along longest watercourse = 0.411 Mi.
Length along longest watercourse measured to centroid = 0.203 Mi.
Difference in elevation = 149.30(Ft.)
Slope along watercourse = 363.2737 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.046 Hr.
Lag time = 2.74 Min.
25% of lag time = 0.69 Min.
40% of lag time = 1.10 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
19.30	1.40	27.02

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
19.30	2.70	52.11

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.400(In)
Area Averaged 100-Year Rainfall = 2.700(In)

Point rain (area averaged) = 1.935(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 1.935(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
19.300	69.20	0.484

Total Area Entered = 19.30(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
69.2	69.2	0.371	0.484	0.209	1.000	0.209
					Sum (F) =	0.209

Area averaged mean soil loss (F) (In/Hr) = 0.209
Minimum soil loss rate ((In/Hr)) = 0.105
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.513

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	182.449	40.198	7.819
2	0.167	364.898	44.610	8.677
3	0.250	547.348	9.547	1.857
4	0.333	729.797	3.885	0.756
5	0.417	912.246	1.760	0.342
			Sum = 100.000	Sum= 19.451

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.116	(0.209)	0.060	0.057
2	0.17	0.60	0.139	(0.209)	0.071	0.068
3	0.25	0.60	0.139	(0.209)	0.071	0.068
4	0.33	0.60	0.139	(0.209)	0.071	0.068
5	0.42	0.60	0.139	(0.209)	0.071	0.068
6	0.50	0.70	0.163	(0.209)	0.083	0.079
7	0.58	0.70	0.163	(0.209)	0.083	0.079
8	0.67	0.70	0.163	(0.209)	0.083	0.079
9	0.75	0.70	0.163	(0.209)	0.083	0.079
10	0.83	0.70	0.163	(0.209)	0.083	0.079
11	0.92	0.70	0.163	(0.209)	0.083	0.079
12	1.00	0.80	0.186	(0.209)	0.095	0.090
13	1.08	0.80	0.186	(0.209)	0.095	0.090
14	1.17	0.80	0.186	(0.209)	0.095	0.090
15	1.25	0.80	0.186	(0.209)	0.095	0.090
16	1.33	0.80	0.186	(0.209)	0.095	0.090
17	1.42	0.80	0.186	(0.209)	0.095	0.090
18	1.50	0.80	0.186	(0.209)	0.095	0.090
19	1.58	0.80	0.186	(0.209)	0.095	0.090
20	1.67	0.80	0.186	(0.209)	0.095	0.090
21	1.75	0.80	0.186	(0.209)	0.095	0.090
22	1.83	0.80	0.186	(0.209)	0.095	0.090
23	1.92	0.80	0.186	(0.209)	0.095	0.090
24	2.00	0.90	0.209	(0.209)	0.107	0.102
25	2.08	0.80	0.186	(0.209)	0.095	0.090
26	2.17	0.90	0.209	(0.209)	0.107	0.102
27	2.25	0.90	0.209	(0.209)	0.107	0.102
28	2.33	0.90	0.209	(0.209)	0.107	0.102
29	2.42	0.90	0.209	(0.209)	0.107	0.102
30	2.50	0.90	0.209	(0.209)	0.107	0.102
31	2.58	0.90	0.209	(0.209)	0.107	0.102
32	2.67	0.90	0.209	(0.209)	0.107	0.102
33	2.75	1.00	0.232	(0.209)	0.119	0.113
34	2.83	1.00	0.232	(0.209)	0.119	0.113
35	2.92	1.00	0.232	(0.209)	0.119	0.113
36	3.00	1.00	0.232	(0.209)	0.119	0.113
37	3.08	1.00	0.232	(0.209)	0.119	0.113
38	3.17	1.10	0.255	(0.209)	0.131	0.124
39	3.25	1.10	0.255	(0.209)	0.131	0.124
40	3.33	1.10	0.255	(0.209)	0.131	0.124

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41   3.42     1.20      0.279       (  0.209)       0.143        0.136
42   3.50     1.30      0.302       (  0.209)       0.155        0.147
43   3.58     1.40      0.325       (  0.209)       0.167        0.158
44   3.67     1.40      0.325       (  0.209)       0.167        0.158
45   3.75     1.50      0.348       (  0.209)       0.179        0.170
46   3.83     1.50      0.348       (  0.209)       0.179        0.170
47   3.92     1.60      0.371       (  0.209)       0.190        0.181
48   4.00     1.60      0.371       (  0.209)       0.190        0.181
49   4.08     1.70      0.395       (  0.209)       0.202        0.192
50   4.17     1.80      0.418          0.209    (  0.214)       0.209
51   4.25     1.90      0.441          0.209    (  0.226)       0.232
52   4.33     2.00      0.464          0.209    (  0.238)       0.255
53   4.42     2.10      0.488          0.209    (  0.250)       0.278
54   4.50     2.10      0.488          0.209    (  0.250)       0.278
55   4.58     2.20      0.511          0.209    (  0.262)       0.302
56   4.67     2.30      0.534          0.209    (  0.274)       0.325
57   4.75     2.40      0.557          0.209    (  0.286)       0.348
58   4.83     2.40      0.557          0.209    (  0.286)       0.348
59   4.92     2.50      0.580          0.209    (  0.298)       0.371
60   5.00     2.60      0.604          0.209    (  0.310)       0.394
61   5.08     3.10      0.720          0.209    (  0.369)       0.511
62   5.17     3.60      0.836          0.209    (  0.429)       0.627
63   5.25     3.90      0.905          0.209    (  0.464)       0.696
64   5.33     4.20      0.975          0.209    (  0.500)       0.766
65   5.42     4.70      1.091          0.209    (  0.560)       0.882
66   5.50     5.60      1.300          0.209    (  0.667)       1.091
67   5.58     1.90      0.441          0.209    (  0.226)       0.232
68   5.67     0.90      0.209       (  0.209)       0.107        0.102
69   5.75     0.60      0.139       (  0.209)       0.071        0.068
70   5.83     0.50      0.116       (  0.209)       0.060        0.057
71   5.92     0.30      0.070       (  0.209)       0.036        0.034
72   6.00     0.20      0.046       (  0.209)       0.024        0.023
            (Loss Rate Not Used)
   Sum =     100.0                                    Sum =    13.7
     Flood volume = Effective rainfall      1.14(In)
      times area      19.3(Ac.)/[(In)/(Ft.)] =       1.8(Ac.Ft)
     Total soil loss =      0.80(In)
     Total soil loss =     1.282(Ac.Ft)
     Total rainfall =      1.93(In)
     Flood volume =       79710.2 Cubic Feet
     Total soil loss =       55833.1 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     18.355(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         6 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0        5.0      10.0      15.0      20.0
-----------------------------------------------------------------------
  0+ 5       0.0030      0.44  Q         |         |         |         |
  0+10       0.0101      1.02  V Q       |         |         |         |
  0+15       0.0185      1.23  V Q       |         |         |         |
  0+20       0.0274      1.29  V Q       |         |         |         |
  0+25       0.0365      1.32  V Q       |         |         |         |
  0+30       0.0462      1.41  |VQ       |         |         |         |
  0+35       0.0566      1.51  |V Q      |         |         |         |
  0+40       0.0671      1.53  |V Q      |         |         |         |
  0+45       0.0777      1.54  |V Q      |         |         |         |
  0+50       0.0883      1.54  |V Q      |         |         |         |
  0+55       0.0989      1.54  | VQ      |         |         |         |
  1+ 0       0.1101      1.63  | VQ      |         |         |         |
  1+ 5       0.1220      1.73  | VQ      |         |         |         |
  1+10       0.1341      1.75  | VQ      |         |         |         |
  1+15       0.1462      1.76  |  Q      |         |         |         |
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1+20	0.1583	1.76	Q				
1+25	0.1704	1.76	Q				
1+30	0.1825	1.76	Q				
1+35	0.1947	1.76	QV				
1+40	0.2068	1.76	QV				
1+45	0.2189	1.76	QV				
1+50	0.2310	1.76	Q V				
1+55	0.2432	1.76	Q V				
2+ 0	0.2559	1.85	Q V				
2+ 5	0.2687	1.86	Q V				
2+10	0.2816	1.87	Q V				
2+15	0.2951	1.96	Q V				
2+20	0.3087	1.97	Q V				
2+25	0.3223	1.98	Q V				
2+30	0.3359	1.98	Q V				
2+35	0.3496	1.98	Q V				
2+40	0.3632	1.98	Q V				
2+45	0.3775	2.07	Q V				
2+50	0.3924	2.17	Q V				
2+55	0.4075	2.19	Q V				
3+ 0	0.4226	2.20	Q V				
3+ 5	0.4378	2.20	Q V				
3+10	0.4535	2.29	Q V				
3+15	0.4700	2.39	Q V				
3+20	0.4866	2.41	Q V				
3+25	0.5038	2.51	Q V				
3+30	0.5224	2.70	Q V				
3+35	0.5424	2.90	Q V				
3+40	0.5633	3.03	Q V				
3+45	0.5850	3.15	Q V				
3+50	0.6075	3.26	Q V				
3+55	0.6307	3.38	Q V				
4+ 0	0.6547	3.48	Q V				
4+ 5	0.6795	3.60	Q V				
4+10	0.7059	3.83	Q V				
4+15	0.7347	4.18	Q V				
4+20	0.7664	4.60	Q V				
4+25	0.8012	5.05	Q V				
4+30	0.8378	5.31	Q V				
4+35	0.8761	5.57	Q V				
4+40	0.9173	5.97	Q V				
4+45	0.9614	6.41	Q V				
4+50	1.0073	6.67	Q V				
4+55	1.0550	6.92	Q V				
5+ 0	1.1055	7.33	Q V				
5+ 5	1.1640	8.49	Q V				
5+10	1.2360	10.47	Q V				
5+15	1.3205	12.26	Q V				
5+20	1.4150	13.72	Q V				
5+25	1.5217	15.49	Q V				
5+30	1.6481	18.36	Q				
5+35	1.7427	13.74	Q V				
5+40	1.7824	5.77	Q V				
5+45	1.8029	2.97	Q V				
5+50	1.8151	1.77	Q V				
5+55	1.8222	1.04	Q V				
6+ 0	1.8268	0.66	Q V				
6+ 5	1.8290	0.33	Q V				
6+10	1.8296	0.09	Q V				
6+15	1.8298	0.03	Q V				
6+20	1.8299	0.01	Q V				

U n i t H y d r o g r a p h A n a l y s i s

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Study date 03/09/22 File: PROA10310.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

PROPOSED UNIT HYDROGRAPH,
10-YEAR 3HR STORM
TTM# 38171

Drainage Area = 19.30(Ac.) = 0.030 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 19.30(Ac.) = 0.030 Sq. Mi.
Length along longest watercourse = 2170.00(Ft.)
Length along longest watercourse measured to centroid = 1070.00(Ft.)
Length along longest watercourse = 0.411 Mi.
Length along longest watercourse measured to centroid = 0.203 Mi.
Difference in elevation = 149.30(Ft.)
Slope along watercourse = 363.2737 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.046 Hr.
Lag time = 2.74 Min.
25% of lag time = 0.69 Min.
40% of lag time = 1.10 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
19.30	0.90	17.37

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
19.30	1.90	36.67

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.900(In)
Area Averaged 100-Year Rainfall = 1.900(In)

Point rain (area averaged) = 1.311(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 1.311(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
19.300	69.20	0.484

Total Area Entered = 19.30(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
69.2	69.2	0.371	0.484	0.209	1.000	0.209
					Sum (F) =	0.209

Area averaged mean soil loss (F) (In/Hr) = 0.209
Minimum soil loss rate ((In/Hr)) = 0.105
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.513

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	182.449	40.198	7.819
2	0.167	364.898	44.610	8.677
3	0.250	547.348	9.547	1.857
4	0.333	729.797	3.885	0.756
5	0.417	912.246	1.760	0.342
			Sum = 100.000	Sum= 19.451

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.205	(0.209)	0.105	0.100
2	0.17	1.30	0.205	(0.209)	0.105	0.100
3	0.25	1.10	0.173	(0.209)	0.089	0.084
4	0.33	1.50	0.236	(0.209)	0.121	0.115
5	0.42	1.50	0.236	(0.209)	0.121	0.115
6	0.50	1.80	0.283	(0.209)	0.145	0.138
7	0.58	1.50	0.236	(0.209)	0.121	0.115
8	0.67	1.80	0.283	(0.209)	0.145	0.138
9	0.75	1.80	0.283	(0.209)	0.145	0.138
10	0.83	1.50	0.236	(0.209)	0.121	0.115
11	0.92	1.60	0.252	(0.209)	0.129	0.123
12	1.00	1.80	0.283	(0.209)	0.145	0.138
13	1.08	2.20	0.346	(0.209)	0.178	0.169
14	1.17	2.20	0.346	(0.209)	0.178	0.169
15	1.25	2.20	0.346	(0.209)	0.178	0.169
16	1.33	2.00	0.315	(0.209)	0.161	0.153
17	1.42	2.60	0.409	0.209	(0.210)	0.200
18	1.50	2.70	0.425	0.209	(0.218)	0.216
19	1.58	2.40	0.378	(0.209)	0.194	0.184
20	1.67	2.70	0.425	0.209	(0.218)	0.216
21	1.75	3.30	0.519	0.209	(0.266)	0.310
22	1.83	3.10	0.488	0.209	(0.250)	0.279
23	1.92	2.90	0.456	0.209	(0.234)	0.247
24	2.00	3.00	0.472	0.209	(0.242)	0.263
25	2.08	3.10	0.488	0.209	(0.250)	0.279
26	2.17	4.20	0.661	0.209	(0.339)	0.452
27	2.25	5.00	0.787	0.209	(0.403)	0.578
28	2.33	3.50	0.551	0.209	(0.282)	0.342
29	2.42	6.80	1.070	0.209	(0.549)	0.861
30	2.50	7.30	1.149	0.209	(0.589)	0.940
31	2.58	8.20	1.290	0.209	(0.662)	1.081
32	2.67	5.90	0.928	0.209	(0.476)	0.719
33	2.75	2.00	0.315	(0.209)	0.161	0.153
34	2.83	1.80	0.283	(0.209)	0.145	0.138
35	2.92	1.80	0.283	(0.209)	0.145	0.138
36	3.00	0.60	0.094	(0.209)	0.048	0.046
	(Loss Rate Not Used)					
Sum =		100.0			Sum =	9.7

Flood volume = Effective rainfall 0.81(In)
times area 19.3(Ac.)/[(In)/(Ft.)] = 1.3(Ac.Ft)

```
      Total soil loss =      0.50(In)
      Total soil loss =     0.807(Ac.Ft)
      Total rainfall =      1.31(In)
      Flood volume =       56730.4 Cubic Feet
      Total soil loss =       35137.8 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =     18.669(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          3 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                   Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
  Time(h+m) Volume Ac.Ft   Q(CFS)  0        5.0      10.0      15.0      20.0
  ------------------------------------------------------------------------
    0+ 5       0.0054      0.78  VQ        |         |         |         |
    0+10       0.0167      1.64  V  Q      |         |         |         |
    0+15       0.0285      1.71  V  Q      |         |         |         |
    0+20       0.0415      1.89  |V Q      |         |         |         |
    0+25       0.0564      2.16  |V  Q     |         |         |         |
    0+30       0.0729      2.39  | V Q     |         |         |         |
    0+35       0.0896      2.43  | V Q     |         |         |         |
    0+40       0.1065      2.46  |  VQ     |         |         |         |
    0+45       0.1247      2.63  |  V Q    |         |         |         |
    0+50       0.1418      2.49  |   Q     |         |         |         |
    0+55       0.1581      2.36  |   Q     |         |         |         |
    1+ 0       0.1753      2.51  |    Q    |         |         |         |
    1+ 5       0.1952      2.88  |    Q    |         |         |         |
    1+10       0.2170      3.17  |     Q   |         |         |         |
    1+15       0.2393      3.24  |     QV  |         |         |         |
    1+20       0.2611      3.15  |     Q V |         |         |         |
    1+25       0.2844      3.39  |     Q V |         |         |         |
    1+30       0.3112      3.89  |      Q V|         |         |         |
    1+35       0.3378      3.86  |      Q  V         |         |         |
    1+40       0.3646      3.89  |      Q  |V        |         |         |
    1+45       0.3981      4.87  |        Q| V       |         |         |
    1+50       0.4359      5.49  |         Q  V      |         |         |
    1+55       0.4714      5.15  |         Q   V     |         |         |
    2+ 0       0.5060      5.03  |         Q    V    |         |         |
    2+ 5       0.5421      5.24  |         Q     V   |         |         |
    2+10       0.5884      6.72  |         |  Q    V |         |         |
    2+15       0.6521      9.24  |         |       Q V         |         |
    2+20       0.7128      8.83  |         |      Q  |V        |         |
    2+25       0.7900     11.21  |         |         | Q V     |         |
    2+30       0.9006     16.05  |         |         |      V  | Q       |
    2+35       1.0291     18.67  |         |         |         |V     Q  |
    2+40       1.1498     17.53  |         |         |         |    Q    |
    2+45       1.2219     10.46  |         |         Q         |      V  |
    2+50       1.2555      4.89  |        Q|         |         |       V |
    2+55       1.2795      3.48  |     Q   |         |         |        V|
    3+ 0       1.2944      2.18  |   Q     |         |         |        V|
    3+ 5       1.3000      0.81  |Q        |         |         |        V|
    3+10       1.3017      0.24  Q         |         |         |        V|
    3+15       1.3022      0.08  Q         |         |         |        V|
    3+20       1.3024      0.02  Q         |         |         |         V
  ------------------------------------------------------------------------
```

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 03/17/22

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: PROA102410.rte
**********HYDROGRAPH DATA**********
Number of intervals = 292
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 6.926 (CFS)
Total volume = 3.307 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

PROPOSED BASIN ROUTING
10-YEAR 24HR STORM
TT# 38171

++++++++++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 292
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.080	0.130	0.080	0.080
1.300	0.100	0.130	0.100	0.100
1.700	0.130	0.130	0.130	0.130
2.000	0.150	0.130	0.150	0.150
2.300	0.180	0.130	0.180	0.180
2.700	0.200	0.130	0.200	0.200
3.000	0.230	0.130	0.230	0.230
3.300	0.320	0.130	0.320	0.320
3.700	0.420	0.130	0.420	0.420
4.000	0.510	0.130	0.510	0.510
4.300	0.620	0.130	0.620	0.620
4.700	0.720	0.330	0.719	0.721
5.000	0.830	0.560	0.828	0.832
5.300	0.950	0.710	0.948	0.952
5.700	1.060	0.830	1.057	1.063
6.000	1.190	0.930	1.187	1.193
6.300	1.310	1.010	1.307	1.313
6.700	1.440	1.100	1.436	1.444
7.000	1.570	29.950	1.467	1.673

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 1.7 3.46 5.19 6.93	Depth (Ft.)
0.083	0.12	0.00	0.000	O	0.01
0.167	0.25	0.00	0.002	OI	0.02
0.250	0.28	0.01	0.004	OI	0.04
0.333	0.35	0.01	0.006	OI	0.07
0.417	0.43	0.01	0.008	OI	0.10
0.500	0.44	0.02	0.011	O I	0.14
0.583	0.45	0.02	0.014	O I	0.18
0.667	0.45	0.03	0.017	O I	0.21
0.750	0.45	0.03	0.020	O I	0.25
0.833	0.51	0.04	0.023	O I	0.29
0.917	0.57	0.04	0.026	O I	0.33
1.000	0.59	0.05	0.030	O I	0.38
1.083	0.53	0.05	0.034	O I	0.42
1.167	0.47	0.06	0.037	O I	0.46
1.250	0.46	0.06	0.039	O I	0.49
1.333	0.45	0.07	0.042	O I	0.53
1.417	0.45	0.07	0.045	O I	0.56
1.500	0.45	0.08	0.047	O I	0.59
1.583	0.45	0.08	0.050	O I	0.62
1.667	0.45	0.08	0.052	O I	0.65
1.750	0.45	0.09	0.055	O I	0.68
1.833	0.51	0.09	0.057	O I	0.72
1.917	0.57	0.10	0.061	O I	0.76
2.000	0.59	0.10	0.064	O I	0.80
2.083	0.60	0.11	0.067	O I	0.84
2.167	0.60	0.11	0.071	O I	0.88
2.250	0.60	0.12	0.074	O I	0.92
2.333	0.60	0.13	0.077	O I	0.96
2.417	0.60	0.13	0.080	O I	1.00
2.500	0.60	0.13	0.084	O I	1.05
2.583	0.66	0.13	0.087	O I	1.10
2.667	0.72	0.13	0.091	O I	1.16
2.750	0.74	0.13	0.095	O I	1.22
2.833	0.74	0.13	0.099	O I	1.29
2.917	0.75	0.13	0.103	O I	1.35
3.000	0.75	0.13	0.108	O I	1.40
3.083	0.75	0.13	0.112	O I	1.46
3.167	0.75	0.13	0.116	O I	1.52
3.250	0.75	0.13	0.120	O I	1.57
3.333	0.75	0.13	0.125	O I	1.63
3.417	0.75	0.13	0.129	O I	1.69
3.500	0.75	0.13	0.133	O I	1.75
3.583	0.75	0.13	0.137	O I	1.81
3.667	0.75	0.13	0.142	O I	1.88
3.750	0.75	0.13	0.146	O I	1.94
3.833	0.81	0.13	0.150	O I	2.00
3.917	0.87	0.13	0.155	O I	2.05
4.000	0.89	0.13	0.160	O I	2.10
4.083	0.89	0.13	0.166	O I	2.16
4.167	0.90	0.13	0.171	O I	2.21
4.250	0.90	0.13	0.176	O I	2.26
4.333	0.96	0.13	0.182	O I	2.33
4.417	1.02	0.13	0.188	O I	2.45
4.500	1.04	0.13	0.194	O I	2.58
4.583	1.04	0.13	0.200	O I	2.70
4.667	1.05	0.13	0.206	O I	2.76
4.750	1.05	0.13	0.213	O I	2.83
4.833	1.11	0.13	0.219	O I	2.89
4.917	1.17	0.13	0.226	O I	2.96
5.000	1.19	0.13	0.233	O I	3.01

```
 5.083    1.07    0.13      0.240  O   I   |       |       |       |     3.03
 5.167    0.94    0.13      0.246  O   I   |       |       |       |     3.05
 5.250    0.91    0.13      0.252  O   I   |       |       |       |     3.07
 5.333    0.96    0.13      0.257  O   I   |       |       |       |     3.09
 5.417    1.02    0.13      0.263  O   I   |       |       |       |     3.11
 5.500    1.04    0.13      0.270  O   I   |       |       |       |     3.13
 5.583    1.10    0.13      0.276  O    I  |       |       |       |     3.15
 5.667    1.17    0.13      0.283  O    I  |       |       |       |     3.18
 5.750    1.19    0.13      0.290  O    I  |       |       |       |     3.20
 5.833    1.19    0.13      0.297  O    I  |       |       |       |     3.22
 5.917    1.20    0.13      0.305  O    I  |       |       |       |     3.25
 6.000    1.20    0.13      0.312  O    I  |       |       |       |     3.27
 6.083    1.26    0.13      0.320  O    I  |       |       |       |     3.30
 6.167    1.32    0.13      0.328  O     I |       |       |       |     3.33
 6.250    1.34    0.13      0.336  O     I |       |       |       |     3.36
 6.333    1.34    0.13      0.344  O     I |       |       |       |     3.40
 6.417    1.34    0.13      0.353  O     I |       |       |       |     3.43
 6.500    1.34    0.13      0.361  O     I |       |       |       |     3.46
 6.583    1.40    0.13      0.370  O     I |       |       |       |     3.50
 6.667    1.47    0.13      0.379  O     I |       |       |       |     3.53
 6.750    1.49    0.13      0.388  O     I |       |       |       |     3.57
 6.833    1.49    0.13      0.397  O     I |       |       |       |     3.61
 6.917    1.49    0.13      0.407  O     I |       |       |       |     3.65
 7.000    1.49    0.13      0.416  O     I |       |       |       |     3.68
 7.083    1.49    0.13      0.425  O     I |       |       |       |     3.72
 7.167    1.49    0.13      0.435  O     I |       |       |       |     3.75
 7.250    1.49    0.13      0.444  O     I |       |       |       |     3.78
 7.333    1.55    0.13      0.454  O      I|       |       |       |     3.81
 7.417    1.62    0.13      0.464  O      I|       |       |       |     3.85
 7.500    1.64    0.13      0.474  O      I|       |       |       |     3.88
 7.583    1.70    0.13      0.485  O      I|       |       |       |     3.92
 7.667    1.77    0.13      0.496  O       I       |       |       |     3.95
 7.750    1.78    0.13      0.507  O       I       |       |       |     3.99
 7.833    1.85    0.13      0.519  O       I       |       |       |     4.02
 7.917    1.92    0.13      0.531  O       I       |       |       |     4.06
 8.000    1.93    0.13      0.543  O       I       |       |       |     4.09
 8.083    2.06    0.13      0.556  O       |I      |       |       |     4.13
 8.167    2.20    0.13      0.570  O       | I     |       |       |     4.16
 8.250    2.22    0.13      0.584  O       | I     |       |       |     4.20
 8.333    2.24    0.13      0.599  O       | I     |       |       |     4.24
 8.417    2.24    0.13      0.613  O       | I     |       |       |     4.28
 8.500    2.24    0.15      0.628  O       | I     |       |       |     4.33
 8.583    2.30    0.17      0.642  O       | I     |       |       |     4.39
 8.667    2.37    0.20      0.657  O       | I     |       |       |     4.45
 8.750    2.38    0.23      0.672  |O      |  I    |       |       |     4.51
 8.833    2.45    0.26      0.687  |O      |  I    |       |       |     4.57
 8.917    2.52    0.29      0.702  |O      |  I    |       |       |     4.63
 9.000    2.53    0.32      0.717  |O      |  I    |       |       |     4.69
 9.083    2.66    0.36      0.733  |O      |   I   |       |       |     4.73
 9.167    2.79    0.39      0.749  |O      |   I   |       |       |     4.78
 9.250    2.82    0.42      0.765  |O      |    I  |       |       |     4.82
 9.333    2.89    0.46      0.782  | O     |    I  |       |       |     4.87
 9.417    2.97    0.50      0.799  | O     |    I  |       |       |     4.92
 9.500    2.98    0.53      0.816  | O     |    I  |       |       |     4.96
 9.583    3.05    0.56      0.833  | O     |     I |       |       |     5.01
 9.667    3.12    0.59      0.850  | O     |     I |       |       |     5.05
 9.750    3.13    0.61      0.868  | O     |     I |       |       |     5.09
 9.833    3.20    0.63      0.885  | O     |     I |       |       |     5.14
 9.917    3.26    0.65      0.903  |  O    |      I|       |       |     5.18
10.000    3.28    0.67      0.921  |  O    |      I|       |       |     5.23
10.083    2.86    0.69      0.937  |  O    |    I  |       |       |     5.27
10.167    2.40    0.71      0.951  |  O    |  I    |       |       |     5.30
10.250    2.30    0.72      0.962  |  O    | I     |       |       |     5.34
10.333    2.26    0.73      0.973  |  O    | I     |       |       |     5.38
10.417    2.24    0.75      0.983  |  O    | I     |       |       |     5.42
10.500    2.24    0.76      0.993  |  O    | I     |       |       |     5.46
10.583    2.54    0.77      1.004  |  O    |  I    |       |       |     5.50
10.667    2.87    0.78      1.018  |  O    |    I  |       |       |     5.55
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10.750	2.95	0.80	1.032	O	I				5.60
10.833	2.98	0.82	1.047	O	I				5.65
10.917	2.99	0.83	1.062	O	I				5.70
11.000	2.99	0.84	1.077	O	I				5.74
11.083	2.93	0.85	1.091	O	I				5.77
11.167	2.86	0.86	1.105	O	I				5.80
11.250	2.85	0.88	1.119	O	I				5.84
11.333	2.84	0.89	1.133	O	I				5.87
11.417	2.84	0.90	1.146	O	I				5.90
11.500	2.84	0.91	1.159	O	I				5.93
11.583	2.72	0.92	1.172	O	I				5.96
11.667	2.59	0.93	1.184	O	I				5.99
11.750	2.56	0.93	1.195	O	I				6.01
11.833	2.61	0.94	1.207	O	I				6.04
11.917	2.67	0.95	1.218	O	I				6.07
12.000	2.68	0.96	1.230	O	I				6.10
12.083	3.16	0.97	1.244	O	I				6.13
12.167	3.70	0.98	1.261	O	I				6.18
12.250	3.82	0.99	1.280	O	I				6.22
12.333	4.01	1.00	1.300	O	I				6.27
12.417	4.19	1.02	1.321	O	I				6.33
12.500	4.24	1.03	1.343	O	I				6.40
12.583	4.51	1.05	1.366	O	I				6.47
12.667	4.81	1.07	1.391	O	I				6.55
12.750	4.89	1.08	1.417	O	I				6.63
12.833	5.05	1.55	1.442	O	I				6.70
12.917	5.22	4.66	1.456		O I				6.74
13.000	5.27	5.16	1.458		OI				6.74
13.083	5.91	5.53	1.460		O I				6.75
13.167	6.62	6.17	1.463		O I				6.75
13.250	6.79	6.63	1.465		OI				6.76
13.333	6.86	6.80	1.466		O				6.76
13.417	6.91	6.87	1.466		O				6.76
13.500	**6.93**	**6.91**	**1.466**		**OI**				**6.76**
13.583	5.59	6.34	1.464		I O				6.75
13.667	4.10	5.04	1.458		I O				6.74
13.750	3.80	4.09	1.453		IO				6.73
13.833	3.68	3.79	1.452		O				6.73
13.917	3.64	3.68	1.452		O				6.73
14.000	3.66	3.65	1.452		O				6.73
14.083	4.17	3.88	1.453		O I				6.73
14.167	4.73	4.37	1.455		OI				6.73
14.250	4.87	4.74	1.456		OI				6.74
14.333	4.81	4.83	1.457		O				6.74
14.417	4.71	4.77	1.457		IO				6.74
14.500	4.70	4.71	1.456		O				6.74
14.583	4.70	4.70	1.456		O				6.74
14.667	4.71	4.71	1.456		O				6.74
14.750	4.73	4.72	1.456		O				6.74
14.833	4.62	4.68	1.456		O				6.74
14.917	4.50	4.58	1.456		IO				6.74
15.000	4.49	4.51	1.455		O				6.74
15.083	4.37	4.44	1.455		O				6.73
15.167	4.25	4.33	1.455		O				6.73
15.250	4.23	4.25	1.454		O				6.73
15.333	4.11	4.18	1.454		O				6.73
15.417	3.99	4.07	1.453		O				6.73
15.500	3.97	3.99	1.453		O				6.73
15.583	3.52	3.78	1.452		IO				6.73
15.667	3.01	3.33	1.450		I O				6.72
15.750	2.90	3.01	1.449		O				6.72
15.833	2.86	2.90	1.448		O				6.72
15.917	2.84	2.86	1.448		O				6.72
16.000	2.84	2.84	1.448		O				6.72
16.083	1.94	2.45	1.446		I O				6.71
16.167	0.94	1.57	1.442		I O				6.70
16.250	0.72	1.10	1.439		I O				6.70
16.333	0.64	1.10	1.436		I O				6.69

16.417	0.60	1.09	1.432	I O				6.68
16.500	0.60	1.09	1.429	I O				6.67
16.583	0.54	1.09	1.425	I O				6.66
16.667	0.47	1.09	1.421	I O				6.64
16.750	0.46	1.08	1.417	I O				6.63
16.833	0.45	1.08	1.413	I O				6.62
16.917	0.45	1.08	1.408	I O				6.60
17.000	0.45	1.08	1.404	I O				6.59
17.083	0.57	1.07	1.400	I O				6.58
17.167	0.70	1.07	1.397	IO				6.57
17.250	0.73	1.07	1.395	IO				6.56
17.333	0.74	1.07	1.393	IO				6.55
17.417	0.75	1.07	1.390	IO				6.55
17.500	0.75	1.06	1.388	IO				6.54
17.583	0.75	1.06	1.386	IO				6.53
17.667	0.75	1.06	1.384	IO				6.53
17.750	0.75	1.06	1.382	IO				6.52
17.833	0.69	1.06	1.379	IO				6.51
17.917	0.62	1.06	1.376	I O				6.50
18.000	0.61	1.05	1.373	I O				6.50
18.083	0.60	1.05	1.370	I O				6.49
18.167	0.60	1.05	1.367	I O				6.48
18.250	0.60	1.05	1.364	I O				6.47
18.333	0.60	1.05	1.361	I O				6.46
18.417	0.60	1.04	1.358	I O				6.45
18.500	0.60	1.04	1.355	I O				6.44
18.583	0.54	1.04	1.352	I O				6.43
18.667	0.47	1.04	1.348	I O				6.42
18.750	0.46	1.03	1.344	I O				6.40
18.833	0.39	1.03	1.340	I O				6.39
18.917	0.32	1.03	1.335	I O				6.38
19.000	0.31	1.02	1.330	I O				6.36
19.083	0.36	1.02	1.326	I O				6.35
19.167	0.43	1.02	1.321	I O				6.33
19.250	0.44	1.02	1.317	I O				6.32
19.333	0.51	1.01	1.314	I O				6.31
19.417	0.57	1.01	1.310	I O				6.30
19.500	0.59	1.01	1.307	I O				6.29
19.583	0.53	1.01	1.304	I O				6.29
19.667	0.47	1.00	1.301	I O				6.28
19.750	0.46	1.00	1.297	I O				6.27
19.833	0.39	1.00	1.293	I O				6.26
19.917	0.32	1.00	1.289	I O				6.25
20.000	0.31	0.99	1.284	I O				6.24
20.083	0.36	0.99	1.280	I O				6.22
20.167	0.43	0.99	1.275	I O				6.21
20.250	0.44	0.98	1.272	I O				6.20
20.333	0.45	0.98	1.268	I O				6.19
20.417	0.45	0.98	1.264	I O				6.19
20.500	0.45	0.98	1.261	I O				6.18
20.583	0.45	0.97	1.257	I O				6.17
20.667	0.45	0.97	1.253	I O				6.16
20.750	0.45	0.97	1.250	I O				6.15
20.833	0.39	0.97	1.246	I O				6.14
20.917	0.32	0.96	1.242	I O				6.13
21.000	0.31	0.96	1.237	I O				6.12
21.083	0.36	0.96	1.233	I O				6.11
21.167	0.43	0.96	1.229	I O				6.10
21.250	0.44	0.95	1.225	I O				6.09
21.333	0.39	0.95	1.222	I O				6.08
21.417	0.32	0.95	1.218	I O				6.07
21.500	0.31	0.95	1.213	I O				6.06
21.583	0.36	0.94	1.209	I O				6.05
21.667	0.43	0.94	1.205	I O				6.04
21.750	0.44	0.94	1.202	I O				6.03
21.833	0.39	0.94	1.198	I O				6.02
21.917	0.32	0.93	1.194	I O				6.01
22.000	0.31	0.93	1.190	I O				6.00

22.083	0.36	0.93	1.186	I O				5.99
22.167	0.43	0.92	1.182	I O				5.98
22.250	0.44	0.92	1.179	I O				5.97
22.333	0.39	0.92	1.175	I O				5.97
22.417	0.32	0.92	1.171	I O				5.96
22.500	0.31	0.91	1.167	I O				5.95
22.583	0.30	0.91	1.163	I O				5.94
22.667	0.30	0.91	1.159	I O				5.93
22.750	0.30	0.90	1.155	I O				5.92
22.833	0.30	0.90	1.151	I O				5.91
22.917	0.30	0.90	1.147	I O				5.90
23.000	0.30	0.89	1.142	I O				5.89
23.083	0.30	0.89	1.138	I O				5.88
23.167	0.30	0.89	1.134	I O				5.87
23.250	0.30	0.88	1.130	I O				5.86
23.333	0.30	0.88	1.126	I O				5.85
23.417	0.30	0.88	1.122	I O				5.84
23.500	0.30	0.87	1.118	I O				5.83
23.583	0.30	0.87	1.114	I O				5.83
23.667	0.30	0.87	1.110	I O				5.82
23.750	0.30	0.87	1.106	I O				5.81
23.833	0.30	0.86	1.103	I O				5.80
23.917	0.30	0.86	1.099	I O				5.79
24.000	0.30	0.86	1.095	I O				5.78
24.083	0.18	0.85	1.091	I O				5.77
24.167	0.05	0.85	1.085	I O				5.76
24.250	0.02	0.85	1.080	I O				5.75
24.333	0.01	0.84	1.074	I O				5.73
24.417	0.00	0.84	1.068	I O				5.72
24.500	0.00	0.83	1.063	I O				5.71
24.583	0.00	0.83	1.057	I O				5.69
24.667	0.00	0.82	1.051	I O				5.67
24.750	0.00	0.81	1.046	I O				5.65
24.833	0.00	0.81	1.040	I O				5.63
24.917	0.00	0.80	1.034	I O				5.61
25.000	0.00	0.80	1.029	I O				5.59
25.083	0.00	0.79	1.024	I O				5.57
25.167	0.00	0.78	1.018	I O				5.55
25.250	0.00	0.78	1.013	I O				5.53
25.333	0.00	0.77	1.007	I O				5.51
25.417	0.00	0.77	1.002	I O				5.49
25.500	0.00	0.76	0.997	I O				5.47
25.583	0.00	0.76	0.992	I O				5.45
25.667	0.00	0.75	0.986	I O				5.43
25.750	0.00	0.74	0.981	I O				5.41
25.833	0.00	0.74	0.976	I O				5.40
25.917	0.00	0.73	0.971	I O				5.38
26.000	0.00	0.73	0.966	I O				5.36
26.083	0.00	0.72	0.961	I O				5.34
26.167	0.00	0.72	0.956	I O				5.32
26.250	0.00	0.71	0.951	I O				5.30
26.333	0.00	0.71	0.946	I O				5.29
26.417	0.00	0.70	0.941	I O				5.28
26.500	0.00	0.69	0.937	I O				5.27
26.583	0.00	0.69	0.932	I O				5.25
26.667	0.00	0.68	0.927	I O				5.24
26.750	0.00	0.68	0.923	I O				5.23
26.833	0.00	0.67	0.918	I O				5.22
26.917	0.00	0.66	0.913	I O				5.21
27.000	0.00	0.66	0.909	I O				5.20
27.083	0.00	0.65	0.904	I O				5.19
27.167	0.00	0.65	0.900	I O				5.17
27.250	0.00	0.64	0.895	I O				5.16
27.333	0.00	0.64	0.891	I O				5.15
27.417	0.00	0.63	0.887	I O				5.14
27.500	0.00	0.63	0.882	I O				5.13
27.583	0.00	0.62	0.878	I O				5.12
27.667	0.00	0.61	0.874	I O				5.11

27.750	0.00	0.61	0.869	I O	|	|	|	| 5.10
27.833	0.00	0.60	0.865	I O	|	|	|	| 5.09
27.917	0.00	0.60	0.861	I O	|	|	|	| 5.08
28.000	0.00	0.59	0.857	I O	|	|	|	| 5.07
28.083	0.00	0.59	0.853	I O	|	|	|	| 5.06
28.167	0.00	0.58	0.849	I O	|	|	|	| 5.05
28.250	0.00	0.58	0.845	I O	|	|	|	| 5.04
28.333	0.00	0.57	0.841	I O	|	|	|	| 5.03
28.417	0.00	0.57	0.837	I O	|	|	|	| 5.02
28.500	0.00	0.56	0.833	I O	|	|	|	| 5.01
28.583	0.00	0.56	0.829	I O	|	|	|	| 5.00
28.667	0.00	0.55	0.825	I O	|	|	|	| 4.99
28.750	0.00	0.54	0.822	I O	|	|	|	| 4.98
28.833	0.00	0.53	0.818	I O	|	|	|	| 4.97
28.917	0.00	0.53	0.814	I O	|	|	|	| 4.96
29.000	0.00	0.52	0.811	I O	|	|	|	| 4.95
29.083	0.00	0.51	0.807	I O	|	|	|	| 4.94
29.167	0.00	0.50	0.804	I O	|	|	|	| 4.93
29.250	0.00	0.50	0.800	I O	|	|	|	| 4.92
29.333	0.00	0.49	0.797	I O	|	|	|	| 4.91
29.417	0.00	0.48	0.793	I O	|	|	|	| 4.90
29.500	0.00	0.48	0.790	I O	|	|	|	| 4.89
29.583	0.00	0.47	0.787	I O	|	|	|	| 4.88
29.667	0.00	0.46	0.784	I O	|	|	|	| 4.87
29.750	0.00	0.46	0.781	I O	|	|	|	| 4.87
29.833	0.00	0.45	0.777	I O	|	|	|	| 4.86
29.917	0.00	0.44	0.774	I O	|	|	|	| 4.85
30.000	0.00	0.44	0.771	I O	|	|	|	| 4.84
30.083	0.00	0.43	0.768	IO	|	|	|	| 4.83
30.167	0.00	0.42	0.765	IO	|	|	|	| 4.82
30.250	0.00	0.42	0.762	IO	|	|	|	| 4.82
30.333	0.00	0.41	0.760	IO	|	|	|	| 4.81
30.417	0.00	0.41	0.757	IO	|	|	|	| 4.80
30.500	0.00	0.40	0.754	IO	|	|	|	| 4.79
30.583	0.00	0.40	0.751	IO	|	|	|	| 4.79
30.667	0.00	0.39	0.749	IO	|	|	|	| 4.78
30.750	0.00	0.38	0.746	IO	|	|	|	| 4.77
30.833	0.00	0.38	0.743	IO	|	|	|	| 4.76
30.917	0.00	0.37	0.741	IO	|	|	|	| 4.76
31.000	0.00	0.37	0.738	IO	|	|	|	| 4.75
31.083	0.00	0.36	0.736	IO	|	|	|	| 4.74
31.167	0.00	0.36	0.733	IO	|	|	|	| 4.74
31.250	0.00	0.35	0.731	IO	|	|	|	| 4.73
31.333	0.00	0.35	0.728	IO	|	|	|	| 4.72
31.417	0.00	0.34	0.726	IO	|	|	|	| 4.72
31.500	0.00	0.34	0.724	IO	|	|	|	| 4.71
31.583	0.00	0.33	0.721	IO	|	|	|	| 4.70
31.667	0.00	0.33	0.719	IO	|	|	|	| 4.70
31.750	0.00	0.32	0.717	IO	|	|	|	| 4.69
31.833	0.00	0.32	0.714	IO	|	|	|	| 4.68
31.917	0.00	0.31	0.712	IO	|	|	|	| 4.67
32.000	0.00	0.31	0.710	IO	|	|	|	| 4.66
32.083	0.00	0.31	0.708	IO	|	|	|	| 4.65
32.167	0.00	0.30	0.706	IO	|	|	|	| 4.64
32.250	0.00	0.30	0.704	IO	|	|	|	| 4.64
32.333	0.00	0.29	0.702	IO	|	|	|	| 4.63
32.417	0.00	0.29	0.700	IO	|	|	|	| 4.62
32.500	0.00	0.29	0.698	IO	|	|	|	| 4.61
32.583	0.00	0.28	0.696	IO	|	|	|	| 4.60
32.667	0.00	0.28	0.694	IO	|	|	|	| 4.60
32.750	0.00	0.27	0.692	IO	|	|	|	| 4.59
32.833	0.00	0.27	0.690	IO	|	|	|	| 4.58
32.917	0.00	0.27	0.688	IO	|	|	|	| 4.57
33.000	0.00	0.26	0.687	IO	|	|	|	| 4.57
33.083	0.00	0.26	0.685	IO	|	|	|	| 4.56
33.167	0.00	0.26	0.683	IO	|	|	|	| 4.55
33.250	0.00	0.25	0.681	IO	|	|	|	| 4.54
33.333	0.00	0.25	0.679	IO	|	|	|	| 4.54

33.417	0.00	0.25	0.678	IO					4.53
33.500	0.00	0.24	0.676	IO					4.52
33.583	0.00	0.24	0.674	IO					4.52
33.667	0.00	0.24	0.673	IO					4.51
33.750	0.00	0.23	0.671	IO					4.50
33.833	0.00	0.23	0.670	IO					4.50
33.917	0.00	0.23	0.668	IO					4.49
34.000	0.00	0.22	0.666	IO					4.49
34.083	0.00	0.22	0.665	IO					4.48
34.167	0.00	0.22	0.663	IO					4.47
34.250	0.00	0.21	0.662	O					4.47
34.333	0.00	0.21	0.661	O					4.46
34.417	0.00	0.21	0.659	O					4.46
34.500	0.00	0.21	0.658	O					4.45
34.583	0.00	0.20	0.656	O					4.44
34.667	0.00	0.20	0.655	O					4.44
34.750	0.00	0.20	0.653	O					4.43
34.833	0.00	0.19	0.652	O					4.43
34.917	0.00	0.19	0.651	O					4.42
35.000	0.00	0.19	0.649	O					4.42
35.083	0.00	0.19	0.648	O					4.41
35.167	0.00	0.18	0.647	O					4.41
35.250	0.00	0.18	0.646	O					4.40
35.333	0.00	0.18	0.644	O					4.40
35.417	0.00	0.18	0.643	O					4.39
35.500	0.00	0.17	0.642	O					4.39
35.583	0.00	0.17	0.641	O					4.38
35.667	0.00	0.17	0.640	O					4.38
35.750	0.00	0.17	0.638	O					4.37
35.833	0.00	0.16	0.637	O					4.37
35.917	0.00	0.16	0.636	O					4.36
36.000	0.00	0.16	0.635	O					4.36
36.083	0.00	0.16	0.634	O					4.36
36.167	0.00	0.16	0.633	O					4.35
36.250	0.00	0.15	0.632	O					4.35
36.333	0.00	0.15	0.631	O					4.34
36.417	0.00	0.15	0.630	O					4.34
36.500	0.00	0.15	0.629	O					4.33
36.583	0.00	0.15	0.628	O					4.33
36.667	0.00	0.14	0.627	O					4.33
36.750	0.00	0.14	0.626	O					4.32
36.833	0.00	0.14	0.625	O					4.32
36.917	0.00	0.14	0.624	O					4.32
37.000	0.00	0.14	0.623	O					4.31
37.083	0.00	0.13	0.622	O					4.31
37.167	0.00	0.13	0.621	O					4.30
37.250	0.00	0.13	0.620	O					4.30
37.333	0.00	0.13	0.619	O					4.30
37.417	0.00	0.13	0.618	O					4.30
37.500	0.00	0.13	0.617	O					4.29
37.583	0.00	0.13	0.617	O					4.29
37.667	0.00	0.13	0.616	O					4.29
37.750	0.00	0.13	0.615	O					4.29
37.833	0.00	0.13	0.614	O					4.28
37.917	0.00	0.13	0.613	O					4.28
38.000	0.00	0.13	0.612	O					4.28
38.083	0.00	0.13	0.611	O					4.28
38.167	0.00	0.13	0.610	O					4.27
38.250	0.00	0.13	0.609	O					4.27
38.333	0.00	0.13	0.609	O					4.27
38.417	0.00	0.13	0.608	O					4.27
38.500	0.00	0.13	0.607	O					4.26
38.583	0.00	0.13	0.606	O					4.26
38.667	0.00	0.13	0.605	O					4.26
38.750	0.00	0.13	0.604	O					4.26
38.833	0.00	0.13	0.603	O					4.25
38.917	0.00	0.13	0.602	O					4.25
39.000	0.00	0.13	0.601	O					4.25

39.083	0.00	0.13	0.600	O	|	|	|	|	4.25
39.167	0.00	0.13	0.600	O	|	|	|	|	4.24
39.250	0.00	0.13	0.599	O	|	|	|	|	4.24
39.333	0.00	0.13	0.598	O	|	|	|	|	4.24
39.417	0.00	0.13	0.597	O	|	|	|	|	4.24
39.500	0.00	0.13	0.596	O	|	|	|	|	4.23
39.583	0.00	0.13	0.595	O	|	|	|	|	4.23
39.667	0.00	0.13	0.594	O	|	|	|	|	4.23
39.750	0.00	0.13	0.593	O	|	|	|	|	4.23
39.833	0.00	0.13	0.592	O	|	|	|	|	4.22
39.917	0.00	0.13	0.591	O	|	|	|	|	4.22
40.000	0.00	0.13	0.591	O	|	|	|	|	4.22
40.083	0.00	0.13	0.590	O	|	|	|	|	4.22
40.167	0.00	0.13	0.589	O	|	|	|	|	4.21
40.250	0.00	0.13	0.588	O	|	|	|	|	4.21
40.333	0.00	0.13	0.587	O	|	|	|	|	4.21
40.417	0.00	0.13	0.586	O	|	|	|	|	4.21
40.500	0.00	0.13	0.585	O	|	|	|	|	4.21
40.583	0.00	0.13	0.584	O	|	|	|	|	4.20
40.667	0.00	0.13	0.583	O	|	|	|	|	4.20
40.750	0.00	0.13	0.583	O	|	|	|	|	4.20
40.833	0.00	0.13	0.582	O	|	|	|	|	4.20
40.917	0.00	0.13	0.581	O	|	|	|	|	4.19
41.000	0.00	0.13	0.580	O	|	|	|	|	4.19
41.083	0.00	0.13	0.579	O	|	|	|	|	4.19
41.167	0.00	0.13	0.578	O	|	|	|	|	4.19
41.250	0.00	0.13	0.577	O	|	|	|	|	4.18
41.333	0.00	0.13	0.576	O	|	|	|	|	4.18
41.417	0.00	0.13	0.575	O	|	|	|	|	4.18
41.500	0.00	0.13	0.574	O	|	|	|	|	4.18
41.583	0.00	0.13	0.574	O	|	|	|	|	4.17
41.667	0.00	0.13	0.573	O	|	|	|	|	4.17
41.750	0.00	0.13	0.572	O	|	|	|	|	4.17
41.833	0.00	0.13	0.571	O	|	|	|	|	4.17
41.917	0.00	0.13	0.570	O	|	|	|	|	4.16
42.000	0.00	0.13	0.569	O	|	|	|	|	4.16
42.083	0.00	0.13	0.568	O	|	|	|	|	4.16
42.167	0.00	0.13	0.567	O	|	|	|	|	4.16
42.250	0.00	0.13	0.566	O	|	|	|	|	4.15
42.333	0.00	0.13	0.566	O	|	|	|	|	4.15
42.417	0.00	0.13	0.565	O	|	|	|	|	4.15
42.500	0.00	0.13	0.564	O	|	|	|	|	4.15
42.583	0.00	0.13	0.563	O	|	|	|	|	4.14
42.667	0.00	0.13	0.562	O	|	|	|	|	4.14
42.750	0.00	0.13	0.561	O	|	|	|	|	4.14
42.833	0.00	0.13	0.560	O	|	|	|	|	4.14
42.917	0.00	0.13	0.559	O	|	|	|	|	4.13
43.000	0.00	0.13	0.558	O	|	|	|	|	4.13
43.083	0.00	0.13	0.557	O	|	|	|	|	4.13
43.167	0.00	0.13	0.557	O	|	|	|	|	4.13
43.250	0.00	0.13	0.556	O	|	|	|	|	4.12
43.333	0.00	0.13	0.555	O	|	|	|	|	4.12
43.417	0.00	0.13	0.554	O	|	|	|	|	4.12
43.500	0.00	0.13	0.553	O	|	|	|	|	4.12
43.583	0.00	0.13	0.552	O	|	|	|	|	4.11
43.667	0.00	0.13	0.551	O	|	|	|	|	4.11
43.750	0.00	0.13	0.550	O	|	|	|	|	4.11
43.833	0.00	0.13	0.549	O	|	|	|	|	4.11
43.917	0.00	0.13	0.549	O	|	|	|	|	4.11
44.000	0.00	0.13	0.548	O	|	|	|	|	4.10
44.083	0.00	0.13	0.547	O	|	|	|	|	4.10
44.167	0.00	0.13	0.546	O	|	|	|	|	4.10
44.250	0.00	0.13	0.545	O	|	|	|	|	4.10
44.333	0.00	0.13	0.544	O	|	|	|	|	4.09
44.417	0.00	0.13	0.543	O	|	|	|	|	4.09
44.500	0.00	0.13	0.542	O	|	|	|	|	4.09
44.583	0.00	0.13	0.541	O	|	|	|	|	4.09
44.667	0.00	0.13	0.540	O	|	|	|	|	4.08

44.750	0.00	0.13	0.540	O	|	|	|	|	4.08
44.833	0.00	0.13	0.539	O	|	|	|	|	4.08
44.917	0.00	0.13	0.538	O	|	|	|	|	4.08
45.000	0.00	0.13	0.537	O	|	|	|	|	4.07
45.083	0.00	0.13	0.536	O	|	|	|	|	4.07
45.167	0.00	0.13	0.535	O	|	|	|	|	4.07
45.250	0.00	0.13	0.534	O	|	|	|	|	4.07
45.333	0.00	0.13	0.533	O	|	|	|	|	4.06
45.417	0.00	0.13	0.532	O	|	|	|	|	4.06
45.500	0.00	0.13	0.532	O	|	|	|	|	4.06
45.583	0.00	0.13	0.531	O	|	|	|	|	4.06
45.667	0.00	0.13	0.530	O	|	|	|	|	4.05
45.750	0.00	0.13	0.529	O	|	|	|	|	4.05
45.833	0.00	0.13	0.528	O	|	|	|	|	4.05
45.917	0.00	0.13	0.527	O	|	|	|	|	4.05
46.000	0.00	0.13	0.526	O	|	|	|	|	4.04
46.083	0.00	0.13	0.525	O	|	|	|	|	4.04
46.167	0.00	0.13	0.524	O	|	|	|	|	4.04
46.250	0.00	0.13	0.523	O	|	|	|	|	4.04
46.333	0.00	0.13	0.523	O	|	|	|	|	4.03
46.417	0.00	0.13	0.522	O	|	|	|	|	4.03
46.500	0.00	0.13	0.521	O	|	|	|	|	4.03
46.583	0.00	0.13	0.520	O	|	|	|	|	4.03
46.667	0.00	0.13	0.519	O	|	|	|	|	4.02
46.750	0.00	0.13	0.518	O	|	|	|	|	4.02
46.833	0.00	0.13	0.517	O	|	|	|	|	4.02
46.917	0.00	0.13	0.516	O	|	|	|	|	4.02
47.000	0.00	0.13	0.515	O	|	|	|	|	4.01
47.083	0.00	0.13	0.514	O	|	|	|	|	4.01
47.167	0.00	0.13	0.514	O	|	|	|	|	4.01
47.250	0.00	0.13	0.513	O	|	|	|	|	4.01
47.333	0.00	0.13	0.512	O	|	|	|	|	4.00
47.417	0.00	0.13	0.511	O	|	|	|	|	4.00
47.500	0.00	0.13	0.510	O	|	|	|	|	4.00
47.583	0.00	0.13	0.509	O	|	|	|	|	4.00
47.667	0.00	0.13	0.508	O	|	|	|	|	3.99
47.750	0.00	0.13	0.507	O	|	|	|	|	3.99
47.833	0.00	0.13	0.506	O	|	|	|	|	3.99
47.917	0.00	0.13	0.506	O	|	|	|	|	3.99
48.000	0.00	0.13	0.505	O	|	|	|	|	3.98
48.083	0.00	0.13	0.504	O	|	|	|	|	3.98
48.167	0.00	0.13	0.503	O	|	|	|	|	3.98
48.250	0.00	0.13	0.502	O	|	|	|	|	3.97
48.333	0.00	0.13	0.501	O	|	|	|	|	3.97
48.417	0.00	0.13	0.500	O	|	|	|	|	3.97
48.500	0.00	0.13	0.499	O	|	|	|	|	3.96
48.583	0.00	0.13	0.498	O	|	|	|	|	3.96
48.667	0.00	0.13	0.497	O	|	|	|	|	3.96
48.750	0.00	0.13	0.497	O	|	|	|	|	3.96
48.833	0.00	0.13	0.496	O	|	|	|	|	3.95
48.917	0.00	0.13	0.495	O	|	|	|	|	3.95
49.000	0.00	0.13	0.494	O	|	|	|	|	3.95
49.083	0.00	0.13	0.493	O	|	|	|	|	3.94
49.167	0.00	0.13	0.492	O	|	|	|	|	3.94
49.250	0.00	0.13	0.491	O	|	|	|	|	3.94
49.333	0.00	0.13	0.490	O	|	|	|	|	3.93
49.417	0.00	0.13	0.489	O	|	|	|	|	3.93
49.500	0.00	0.13	0.489	O	|	|	|	|	3.93
49.583	0.00	0.13	0.488	O	|	|	|	|	3.93
49.667	0.00	0.13	0.487	O	|	|	|	|	3.92
49.750	0.00	0.13	0.486	O	|	|	|	|	3.92
49.833	0.00	0.13	0.485	O	|	|	|	|	3.92
49.917	0.00	0.13	0.484	O	|	|	|	|	3.91
50.000	0.00	0.13	0.483	O	|	|	|	|	3.91
50.083	0.00	0.13	0.482	O	|	|	|	|	3.91
50.167	0.00	0.13	0.481	O	|	|	|	|	3.90
50.250	0.00	0.13	0.480	O	|	|	|	|	3.90
50.333	0.00	0.13	0.480	O	|	|	|	|	3.90

50.417	0.00	0.13	0.479	O	|	|	|	|	3.90
50.500	0.00	0.13	0.478	O	|	|	|	|	3.89
50.583	0.00	0.13	0.477	O	|	|	|	|	3.89
50.667	0.00	0.13	0.476	O	|	|	|	|	3.89
50.750	0.00	0.13	0.475	O	|	|	|	|	3.88
50.833	0.00	0.13	0.474	O	|	|	|	|	3.88
50.917	0.00	0.13	0.473	O	|	|	|	|	3.88
51.000	0.00	0.13	0.472	O	|	|	|	|	3.87
51.083	0.00	0.13	0.472	O	|	|	|	|	3.87
51.167	0.00	0.13	0.471	O	|	|	|	|	3.87
51.250	0.00	0.13	0.470	O	|	|	|	|	3.87
51.333	0.00	0.13	0.469	O	|	|	|	|	3.86
51.417	0.00	0.13	0.468	O	|	|	|	|	3.86
51.500	0.00	0.13	0.467	O	|	|	|	|	3.86
51.583	0.00	0.13	0.466	O	|	|	|	|	3.85
51.667	0.00	0.13	0.465	O	|	|	|	|	3.85
51.750	0.00	0.13	0.464	O	|	|	|	|	3.85
51.833	0.00	0.13	0.463	O	|	|	|	|	3.84
51.917	0.00	0.13	0.463	O	|	|	|	|	3.84
52.000	0.00	0.13	0.462	O	|	|	|	|	3.84
52.083	0.00	0.13	0.461	O	|	|	|	|	3.84
52.167	0.00	0.13	0.460	O	|	|	|	|	3.83
52.250	0.00	0.13	0.459	O	|	|	|	|	3.83
52.333	0.00	0.13	0.458	O	|	|	|	|	3.83
52.417	0.00	0.13	0.457	O	|	|	|	|	3.82
52.500	0.00	0.13	0.456	O	|	|	|	|	3.82
52.583	0.00	0.13	0.455	O	|	|	|	|	3.82
52.667	0.00	0.13	0.455	O	|	|	|	|	3.82
52.750	0.00	0.13	0.454	O	|	|	|	|	3.81
52.833	0.00	0.13	0.453	O	|	|	|	|	3.81
52.917	0.00	0.13	0.452	O	|	|	|	|	3.81
53.000	0.00	0.13	0.451	O	|	|	|	|	3.80
53.083	0.00	0.13	0.450	O	|	|	|	|	3.80
53.167	0.00	0.13	0.449	O	|	|	|	|	3.80
53.250	0.00	0.13	0.448	O	|	|	|	|	3.79
53.333	0.00	0.13	0.447	O	|	|	|	|	3.79
53.417	0.00	0.13	0.446	O	|	|	|	|	3.79
53.500	0.00	0.13	0.446	O	|	|	|	|	3.79
53.583	0.00	0.13	0.445	O	|	|	|	|	3.78
53.667	0.00	0.13	0.444	O	|	|	|	|	3.78
53.750	0.00	0.13	0.443	O	|	|	|	|	3.78
53.833	0.00	0.13	0.442	O	|	|	|	|	3.77
53.917	0.00	0.13	0.441	O	|	|	|	|	3.77
54.000	0.00	0.13	0.440	O	|	|	|	|	3.77
54.083	0.00	0.13	0.439	O	|	|	|	|	3.76
54.167	0.00	0.13	0.438	O	|	|	|	|	3.76
54.250	0.00	0.13	0.438	O	|	|	|	|	3.76
54.333	0.00	0.13	0.437	O	|	|	|	|	3.76
54.417	0.00	0.13	0.436	O	|	|	|	|	3.75
54.500	0.00	0.13	0.435	O	|	|	|	|	3.75
54.583	0.00	0.13	0.434	O	|	|	|	|	3.75
54.667	0.00	0.13	0.433	O	|	|	|	|	3.74
54.750	0.00	0.13	0.432	O	|	|	|	|	3.74
54.833	0.00	0.13	0.431	O	|	|	|	|	3.74
54.917	0.00	0.13	0.430	O	|	|	|	|	3.73
55.000	0.00	0.13	0.429	O	|	|	|	|	3.73
55.083	0.00	0.13	0.429	O	|	|	|	|	3.73
55.167	0.00	0.13	0.428	O	|	|	|	|	3.73
55.250	0.00	0.13	0.427	O	|	|	|	|	3.72
55.333	0.00	0.13	0.426	O	|	|	|	|	3.72
55.417	0.00	0.13	0.425	O	|	|	|	|	3.72
55.500	0.00	0.13	0.424	O	|	|	|	|	3.71
55.583	0.00	0.13	0.423	O	|	|	|	|	3.71
55.667	0.00	0.13	0.422	O	|	|	|	|	3.71
55.750	0.00	0.13	0.421	O	|	|	|	|	3.70
55.833	0.00	0.13	0.420	O	|	|	|	|	3.70
55.917	0.00	0.13	0.420	O	|	|	|	|	3.70
56.000	0.00	0.13	0.419	O	|	|	|	|	3.69

56.083	0.00	0.13	0.418	O	|	|	|	|	3.69
56.167	0.00	0.13	0.417	O	|	|	|	|	3.69
56.250	0.00	0.13	0.416	O	|	|	|	|	3.68
56.333	0.00	0.13	0.415	O	|	|	|	|	3.68
56.417	0.00	0.13	0.414	O	|	|	|	|	3.68
56.500	0.00	0.13	0.413	O	|	|	|	|	3.67
56.583	0.00	0.13	0.412	O	|	|	|	|	3.67
56.667	0.00	0.13	0.412	O	|	|	|	|	3.67
56.750	0.00	0.13	0.411	O	|	|	|	|	3.66
56.833	0.00	0.13	0.410	O	|	|	|	|	3.66
56.917	0.00	0.13	0.409	O	|	|	|	|	3.66
57.000	0.00	0.13	0.408	O	|	|	|	|	3.65
57.083	0.00	0.13	0.407	O	|	|	|	|	3.65
57.167	0.00	0.13	0.406	O	|	|	|	|	3.64
57.250	0.00	0.13	0.405	O	|	|	|	|	3.64
57.333	0.00	0.13	0.404	O	|	|	|	|	3.64
57.417	0.00	0.13	0.403	O	|	|	|	|	3.63
57.500	0.00	0.13	0.403	O	|	|	|	|	3.63
57.583	0.00	0.13	0.402	O	|	|	|	|	3.63
57.667	0.00	0.13	0.401	O	|	|	|	|	3.62
57.750	0.00	0.13	0.400	O	|	|	|	|	3.62
57.833	0.00	0.13	0.399	O	|	|	|	|	3.62
57.917	0.00	0.13	0.398	O	|	|	|	|	3.61
58.000	0.00	0.13	0.397	O	|	|	|	|	3.61
58.083	0.00	0.13	0.396	O	|	|	|	|	3.61
58.167	0.00	0.13	0.395	O	|	|	|	|	3.60
58.250	0.00	0.13	0.395	O	|	|	|	|	3.60
58.333	0.00	0.13	0.394	O	|	|	|	|	3.59
58.417	0.00	0.13	0.393	O	|	|	|	|	3.59
58.500	0.00	0.13	0.392	O	|	|	|	|	3.59
58.583	0.00	0.13	0.391	O	|	|	|	|	3.58
58.667	0.00	0.13	0.390	O	|	|	|	|	3.58
58.750	0.00	0.13	0.389	O	|	|	|	|	3.58
58.833	0.00	0.13	0.388	O	|	|	|	|	3.57
58.917	0.00	0.13	0.387	O	|	|	|	|	3.57
59.000	0.00	0.13	0.386	O	|	|	|	|	3.57
59.083	0.00	0.13	0.386	O	|	|	|	|	3.56
59.167	0.00	0.13	0.385	O	|	|	|	|	3.56
59.250	0.00	0.13	0.384	O	|	|	|	|	3.56
59.333	0.00	0.13	0.383	O	|	|	|	|	3.55
59.417	0.00	0.13	0.382	O	|	|	|	|	3.55
59.500	0.00	0.13	0.381	O	|	|	|	|	3.54
59.583	0.00	0.13	0.380	O	|	|	|	|	3.54
59.667	0.00	0.13	0.379	O	|	|	|	|	3.54
59.750	0.00	0.13	0.378	O	|	|	|	|	3.53
59.833	0.00	0.13	0.378	O	|	|	|	|	3.53
59.917	0.00	0.13	0.377	O	|	|	|	|	3.53
60.000	0.00	0.13	0.376	O	|	|	|	|	3.52
60.083	0.00	0.13	0.375	O	|	|	|	|	3.52
60.167	0.00	0.13	0.374	O	|	|	|	|	3.52
60.250	0.00	0.13	0.373	O	|	|	|	|	3.51
60.333	0.00	0.13	0.372	O	|	|	|	|	3.51
60.417	0.00	0.13	0.371	O	|	|	|	|	3.50
60.500	0.00	0.13	0.370	O	|	|	|	|	3.50
60.583	0.00	0.13	0.369	O	|	|	|	|	3.50
60.667	0.00	0.13	0.369	O	|	|	|	|	3.49
60.750	0.00	0.13	0.368	O	|	|	|	|	3.49
60.833	0.00	0.13	0.367	O	|	|	|	|	3.49
60.917	0.00	0.13	0.366	O	|	|	|	|	3.48
61.000	0.00	0.13	0.365	O	|	|	|	|	3.48
61.083	0.00	0.13	0.364	O	|	|	|	|	3.48
61.167	0.00	0.13	0.363	O	|	|	|	|	3.47
61.250	0.00	0.13	0.362	O	|	|	|	|	3.47
61.333	0.00	0.13	0.361	O	|	|	|	|	3.47
61.417	0.00	0.13	0.361	O	|	|	|	|	3.46
61.500	0.00	0.13	0.360	O	|	|	|	|	3.46
61.583	0.00	0.13	0.359	O	|	|	|	|	3.45
61.667	0.00	0.13	0.358	O	|	|	|	|	3.45

61.750	0.00	0.13	0.357	O	|	|	|	|	3.45
61.833	0.00	0.13	0.356	O	|	|	|	|	3.44
61.917	0.00	0.13	0.355	O	|	|	|	|	3.44
62.000	0.00	0.13	0.354	O	|	|	|	|	3.44
62.083	0.00	0.13	0.353	O	|	|	|	|	3.43
62.167	0.00	0.13	0.352	O	|	|	|	|	3.43
62.250	0.00	0.13	0.352	O	|	|	|	|	3.43
62.333	0.00	0.13	0.351	O	|	|	|	|	3.42
62.417	0.00	0.13	0.350	O	|	|	|	|	3.42
62.500	0.00	0.13	0.349	O	|	|	|	|	3.42
62.583	0.00	0.13	0.348	O	|	|	|	|	3.41
62.667	0.00	0.13	0.347	O	|	|	|	|	3.41
62.750	0.00	0.13	0.346	O	|	|	|	|	3.40
62.833	0.00	0.13	0.345	O	|	|	|	|	3.40
62.917	0.00	0.13	0.344	O	|	|	|	|	3.40
63.000	0.00	0.13	0.343	O	|	|	|	|	3.39
63.083	0.00	0.13	0.343	O	|	|	|	|	3.39
63.167	0.00	0.13	0.342	O	|	|	|	|	3.39
63.250	0.00	0.13	0.341	O	|	|	|	|	3.38
63.333	0.00	0.13	0.340	O	|	|	|	|	3.38
63.417	0.00	0.13	0.339	O	|	|	|	|	3.38
63.500	0.00	0.13	0.338	O	|	|	|	|	3.37
63.583	0.00	0.13	0.337	O	|	|	|	|	3.37
63.667	0.00	0.13	0.336	O	|	|	|	|	3.37
63.750	0.00	0.13	0.335	O	|	|	|	|	3.36
63.833	0.00	0.13	0.335	O	|	|	|	|	3.36
63.917	0.00	0.13	0.334	O	|	|	|	|	3.35
64.000	0.00	0.13	0.333	O	|	|	|	|	3.35
64.083	0.00	0.13	0.332	O	|	|	|	|	3.35
64.167	0.00	0.13	0.331	O	|	|	|	|	3.34
64.250	0.00	0.13	0.330	O	|	|	|	|	3.34
64.333	0.00	0.13	0.329	O	|	|	|	|	3.34
64.417	0.00	0.13	0.328	O	|	|	|	|	3.33
64.500	0.00	0.13	0.327	O	|	|	|	|	3.33
64.583	0.00	0.13	0.326	O	|	|	|	|	3.33
64.667	0.00	0.13	0.326	O	|	|	|	|	3.32
64.750	0.00	0.13	0.325	O	|	|	|	|	3.32
64.833	0.00	0.13	0.324	O	|	|	|	|	3.32
64.917	0.00	0.13	0.323	O	|	|	|	|	3.31
65.000	0.00	0.13	0.322	O	|	|	|	|	3.31
65.083	0.00	0.13	0.321	O	|	|	|	|	3.30
65.167	0.00	0.13	0.320	O	|	|	|	|	3.30
65.250	0.00	0.13	0.319	O	|	|	|	|	3.30
65.333	0.00	0.13	0.318	O	|	|	|	|	3.29
65.417	0.00	0.13	0.318	O	|	|	|	|	3.29
65.500	0.00	0.13	0.317	O	|	|	|	|	3.29
65.583	0.00	0.13	0.316	O	|	|	|	|	3.29
65.667	0.00	0.13	0.315	O	|	|	|	|	3.28
65.750	0.00	0.13	0.314	O	|	|	|	|	3.28
65.833	0.00	0.13	0.313	O	|	|	|	|	3.28
65.917	0.00	0.13	0.312	O	|	|	|	|	3.27
66.000	0.00	0.13	0.311	O	|	|	|	|	3.27
66.083	0.00	0.13	0.310	O	|	|	|	|	3.27
66.167	0.00	0.13	0.309	O	|	|	|	|	3.26
66.250	0.00	0.13	0.309	O	|	|	|	|	3.26
66.333	0.00	0.13	0.308	O	|	|	|	|	3.26
66.417	0.00	0.13	0.307	O	|	|	|	|	3.26
66.500	0.00	0.13	0.306	O	|	|	|	|	3.25
66.583	0.00	0.13	0.305	O	|	|	|	|	3.25
66.667	0.00	0.13	0.304	O	|	|	|	|	3.25
66.750	0.00	0.13	0.303	O	|	|	|	|	3.24
66.833	0.00	0.13	0.302	O	|	|	|	|	3.24
66.917	0.00	0.13	0.301	O	|	|	|	|	3.24
67.000	0.00	0.13	0.301	O	|	|	|	|	3.24
67.083	0.00	0.13	0.300	O	|	|	|	|	3.23
67.167	0.00	0.13	0.299	O	|	|	|	|	3.23
67.250	0.00	0.13	0.298	O	|	|	|	|	3.23
67.333	0.00	0.13	0.297	O	|	|	|	|	3.22

67.417	0.00	0.13	0.296	O	|	|	|	|	3.22
67.500	0.00	0.13	0.295	O	|	|	|	|	3.22
67.583	0.00	0.13	0.294	O	|	|	|	|	3.21
67.667	0.00	0.13	0.293	O	|	|	|	|	3.21
67.750	0.00	0.13	0.292	O	|	|	|	|	3.21
67.833	0.00	0.13	0.292	O	|	|	|	|	3.21
67.917	0.00	0.13	0.291	O	|	|	|	|	3.20
68.000	0.00	0.13	0.290	O	|	|	|	|	3.20
68.083	0.00	0.13	0.289	O	|	|	|	|	3.20
68.167	0.00	0.13	0.288	O	|	|	|	|	3.19
68.250	0.00	0.13	0.287	O	|	|	|	|	3.19
68.333	0.00	0.13	0.286	O	|	|	|	|	3.19
68.417	0.00	0.13	0.285	O	|	|	|	|	3.18
68.500	0.00	0.13	0.284	O	|	|	|	|	3.18
68.583	0.00	0.13	0.284	O	|	|	|	|	3.18
68.667	0.00	0.13	0.283	O	|	|	|	|	3.18
68.750	0.00	0.13	0.282	O	|	|	|	|	3.17
68.833	0.00	0.13	0.281	O	|	|	|	|	3.17
68.917	0.00	0.13	0.280	O	|	|	|	|	3.17
69.000	0.00	0.13	0.279	O	|	|	|	|	3.16
69.083	0.00	0.13	0.278	O	|	|	|	|	3.16
69.167	0.00	0.13	0.277	O	|	|	|	|	3.16
69.250	0.00	0.13	0.276	O	|	|	|	|	3.15
69.333	0.00	0.13	0.275	O	|	|	|	|	3.15
69.417	0.00	0.13	0.275	O	|	|	|	|	3.15
69.500	0.00	0.13	0.274	O	|	|	|	|	3.15
69.583	0.00	0.13	0.273	O	|	|	|	|	3.14
69.667	0.00	0.13	0.272	O	|	|	|	|	3.14
69.750	0.00	0.13	0.271	O	|	|	|	|	3.14
69.833	0.00	0.13	0.270	O	|	|	|	|	3.13
69.917	0.00	0.13	0.269	O	|	|	|	|	3.13
70.000	0.00	0.13	0.268	O	|	|	|	|	3.13
70.083	0.00	0.13	0.267	O	|	|	|	|	3.12
70.167	0.00	0.13	0.266	O	|	|	|	|	3.12
70.250	0.00	0.13	0.266	O	|	|	|	|	3.12
70.333	0.00	0.13	0.265	O	|	|	|	|	3.12
70.417	0.00	0.13	0.264	O	|	|	|	|	3.11
70.500	0.00	0.13	0.263	O	|	|	|	|	3.11
70.583	0.00	0.13	0.262	O	|	|	|	|	3.11
70.667	0.00	0.13	0.261	O	|	|	|	|	3.10
70.750	0.00	0.13	0.260	O	|	|	|	|	3.10
70.833	0.00	0.13	0.259	O	|	|	|	|	3.10
70.917	0.00	0.13	0.258	O	|	|	|	|	3.09
71.000	0.00	0.13	0.258	O	|	|	|	|	3.09
71.083	0.00	0.13	0.257	O	|	|	|	|	3.09
71.167	0.00	0.13	0.256	O	|	|	|	|	3.09
71.250	0.00	0.13	0.255	O	|	|	|	|	3.08
71.333	0.00	0.13	0.254	O	|	|	|	|	3.08
71.417	0.00	0.13	0.253	O	|	|	|	|	3.08
71.500	0.00	0.13	0.252	O	|	|	|	|	3.07
71.583	0.00	0.13	0.251	O	|	|	|	|	3.07
71.667	0.00	0.13	0.250	O	|	|	|	|	3.07
71.750	0.00	0.13	0.249	O	|	|	|	|	3.06
71.833	0.00	0.13	0.249	O	|	|	|	|	3.06
71.917	0.00	0.13	0.248	O	|	|	|	|	3.06
72.000	0.00	0.13	0.247	O	|	|	|	|	3.06
72.083	0.00	0.13	0.246	O	|	|	|	|	3.05
72.167	0.00	0.13	0.245	O	|	|	|	|	3.05
72.250	0.00	0.13	0.244	O	|	|	|	|	3.05
72.333	0.00	0.13	0.243	O	|	|	|	|	3.04
72.417	0.00	0.13	0.242	O	|	|	|	|	3.04
72.500	0.00	0.13	0.241	O	|	|	|	|	3.04
72.583	0.00	0.13	0.241	O	|	|	|	|	3.04
72.667	0.00	0.13	0.240	O	|	|	|	|	3.03
72.750	0.00	0.13	0.239	O	|	|	|	|	3.03
72.833	0.00	0.13	0.238	O	|	|	|	|	3.03
72.917	0.00	0.13	0.237	O	|	|	|	|	3.02
73.000	0.00	0.13	0.236	O	|	|	|	|	3.02

73.083	0.00	0.13	0.235	O	|	|	|	|	3.02
73.167	0.00	0.13	0.234	O	|	|	|	|	3.01
73.250	0.00	0.13	0.233	O	|	|	|	|	3.01
73.333	0.00	0.13	0.232	O	|	|	|	|	3.01
73.417	0.00	0.13	0.232	O	|	|	|	|	3.01
73.500	0.00	0.13	0.231	O	|	|	|	|	3.00
73.583	0.00	0.13	0.230	O	|	|	|	|	3.00
73.667	0.00	0.13	0.229	O	|	|	|	|	2.99
73.750	0.00	0.13	0.228	O	|	|	|	|	2.98
73.833	0.00	0.13	0.227	O	|	|	|	|	2.97
73.917	0.00	0.13	0.226	O	|	|	|	|	2.96
74.000	0.00	0.13	0.225	O	|	|	|	|	2.95
74.083	0.00	0.13	0.224	O	|	|	|	|	2.94
74.167	0.00	0.13	0.224	O	|	|	|	|	2.94
74.250	0.00	0.13	0.223	O	|	|	|	|	2.93
74.333	0.00	0.13	0.222	O	|	|	|	|	2.92
74.417	0.00	0.13	0.221	O	|	|	|	|	2.91
74.500	0.00	0.13	0.220	O	|	|	|	|	2.90
74.583	0.00	0.13	0.219	O	|	|	|	|	2.89
74.667	0.00	0.13	0.218	O	|	|	|	|	2.88
74.750	0.00	0.13	0.217	O	|	|	|	|	2.87
74.833	0.00	0.13	0.216	O	|	|	|	|	2.86
74.917	0.00	0.13	0.215	O	|	|	|	|	2.85
75.000	0.00	0.13	0.215	O	|	|	|	|	2.85
75.083	0.00	0.13	0.214	O	|	|	|	|	2.84
75.167	0.00	0.13	0.213	O	|	|	|	|	2.83
75.250	0.00	0.13	0.212	O	|	|	|	|	2.82
75.333	0.00	0.13	0.211	O	|	|	|	|	2.81
75.417	0.00	0.13	0.210	O	|	|	|	|	2.80
75.500	0.00	0.13	0.209	O	|	|	|	|	2.79
75.583	0.00	0.13	0.208	O	|	|	|	|	2.78
75.667	0.00	0.13	0.207	O	|	|	|	|	2.77
75.750	0.00	0.13	0.207	O	|	|	|	|	2.77
75.833	0.00	0.13	0.206	O	|	|	|	|	2.76
75.917	0.00	0.13	0.205	O	|	|	|	|	2.75
76.000	0.00	0.13	0.204	O	|	|	|	|	2.74
76.083	0.00	0.13	0.203	O	|	|	|	|	2.73
76.167	0.00	0.13	0.202	O	|	|	|	|	2.72
76.250	0.00	0.13	0.201	O	|	|	|	|	2.71
76.333	0.00	0.13	0.200	O	|	|	|	|	2.70
76.417	0.00	0.13	0.199	O	|	|	|	|	2.69
76.500	0.00	0.13	0.198	O	|	|	|	|	2.67
76.583	0.00	0.13	0.198	O	|	|	|	|	2.65
76.667	0.00	0.13	0.197	O	|	|	|	|	2.63
76.750	0.00	0.13	0.196	O	|	|	|	|	2.62
76.833	0.00	0.13	0.195	O	|	|	|	|	2.60
76.917	0.00	0.13	0.194	O	|	|	|	|	2.58
77.000	0.00	0.13	0.193	O	|	|	|	|	2.56
77.083	0.00	0.13	0.192	O	|	|	|	|	2.54
77.167	0.00	0.13	0.191	O	|	|	|	|	2.53
77.250	0.00	0.13	0.190	O	|	|	|	|	2.51
77.333	0.00	0.13	0.189	O	|	|	|	|	2.49
77.417	0.00	0.13	0.189	O	|	|	|	|	2.47
77.500	0.00	0.13	0.188	O	|	|	|	|	2.45
77.583	0.00	0.13	0.187	O	|	|	|	|	2.44
77.667	0.00	0.13	0.186	O	|	|	|	|	2.42
77.750	0.00	0.13	0.185	O	|	|	|	|	2.40
77.833	0.00	0.13	0.184	O	|	|	|	|	2.38
77.917	0.00	0.13	0.183	O	|	|	|	|	2.36
78.000	0.00	0.13	0.182	O	|	|	|	|	2.35
78.083	0.00	0.13	0.181	O	|	|	|	|	2.33
78.167	0.00	0.13	0.181	O	|	|	|	|	2.31
78.250	0.00	0.13	0.180	O	|	|	|	|	2.30
78.333	0.00	0.13	0.179	O	|	|	|	|	2.29
78.417	0.00	0.13	0.178	O	|	|	|	|	2.28
78.500	0.00	0.13	0.177	O	|	|	|	|	2.27
78.583	0.00	0.13	0.176	O	|	|	|	|	2.26
78.667	0.00	0.13	0.175	O	|	|	|	|	2.25

78.750	0.00	0.13	0.174	O	|	|	|	|	2.24
78.833	0.00	0.13	0.173	O	|	|	|	|	2.23
78.917	0.00	0.13	0.172	O	|	|	|	|	2.22
79.000	0.00	0.13	0.172	O	|	|	|	|	2.22
79.083	0.00	0.13	0.171	O	|	|	|	|	2.21
79.167	0.00	0.13	0.170	O	|	|	|	|	2.20
79.250	0.00	0.13	0.169	O	|	|	|	|	2.19
79.333	0.00	0.13	0.168	O	|	|	|	|	2.18
79.417	0.00	0.13	0.167	O	|	|	|	|	2.17
79.500	0.00	0.13	0.166	O	|	|	|	|	2.16
79.583	0.00	0.13	0.165	O	|	|	|	|	2.15
79.667	0.00	0.13	0.164	O	|	|	|	|	2.14
79.750	0.00	0.13	0.164	O	|	|	|	|	2.14
79.833	0.00	0.13	0.163	O	|	|	|	|	2.13
79.917	0.00	0.13	0.162	O	|	|	|	|	2.12
80.000	0.00	0.13	0.161	O	|	|	|	|	2.11
80.083	0.00	0.13	0.160	O	|	|	|	|	2.10
80.167	0.00	0.13	0.159	O	|	|	|	|	2.09
80.250	0.00	0.13	0.158	O	|	|	|	|	2.08
80.333	0.00	0.13	0.157	O	|	|	|	|	2.07
80.417	0.00	0.13	0.156	O	|	|	|	|	2.06
80.500	0.00	0.13	0.155	O	|	|	|	|	2.05
80.583	0.00	0.13	0.155	O	|	|	|	|	2.05
80.667	0.00	0.13	0.154	O	|	|	|	|	2.04
80.750	0.00	0.13	0.153	O	|	|	|	|	2.03
80.833	0.00	0.13	0.152	O	|	|	|	|	2.02
80.917	0.00	0.13	0.151	O	|	|	|	|	2.01
81.000	0.00	0.13	0.150	O	|	|	|	|	2.00
81.083	0.00	0.13	0.149	O	|	|	|	|	1.99
81.167	0.00	0.13	0.148	O	|	|	|	|	1.97
81.250	0.00	0.13	0.147	O	|	|	|	|	1.96
81.333	0.00	0.13	0.147	O	|	|	|	|	1.95
81.417	0.00	0.13	0.146	O	|	|	|	|	1.93
81.500	0.00	0.13	0.145	O	|	|	|	|	1.92
81.583	0.00	0.13	0.144	O	|	|	|	|	1.91
81.667	0.00	0.13	0.143	O	|	|	|	|	1.89
81.750	0.00	0.13	0.142	O	|	|	|	|	1.88
81.833	0.00	0.13	0.141	O	|	|	|	|	1.87
81.917	0.00	0.13	0.140	O	|	|	|	|	1.85
82.000	0.00	0.13	0.139	O	|	|	|	|	1.84
82.083	0.00	0.13	0.138	O	|	|	|	|	1.83
82.167	0.00	0.13	0.138	O	|	|	|	|	1.81
82.250	0.00	0.13	0.137	O	|	|	|	|	1.80
82.333	0.00	0.13	0.136	O	|	|	|	|	1.79
82.417	0.00	0.13	0.135	O	|	|	|	|	1.77
82.500	0.00	0.13	0.134	O	|	|	|	|	1.76
82.583	0.00	0.13	0.133	O	|	|	|	|	1.75
82.667	0.00	0.13	0.132	O	|	|	|	|	1.73
82.750	0.00	0.13	0.131	O	|	|	|	|	1.72
82.833	0.00	0.13	0.130	O	|	|	|	|	1.71
82.917	0.00	0.13	0.130	O	|	|	|	|	1.69
83.000	0.00	0.13	0.129	O	|	|	|	|	1.68
83.083	0.00	0.13	0.128	O	|	|	|	|	1.67
83.167	0.00	0.13	0.127	O	|	|	|	|	1.66
83.250	0.00	0.13	0.126	O	|	|	|	|	1.65
83.333	0.00	0.13	0.125	O	|	|	|	|	1.63
83.417	0.00	0.13	0.124	O	|	|	|	|	1.62
83.500	0.00	0.13	0.123	O	|	|	|	|	1.61
83.583	0.00	0.13	0.122	O	|	|	|	|	1.60
83.667	0.00	0.13	0.121	O	|	|	|	|	1.59
83.750	0.00	0.13	0.121	O	|	|	|	|	1.57
83.833	0.00	0.13	0.120	O	|	|	|	|	1.56
83.917	0.00	0.13	0.119	O	|	|	|	|	1.55
84.000	0.00	0.13	0.118	O	|	|	|	|	1.54
84.083	0.00	0.13	0.117	O	|	|	|	|	1.53
84.167	0.00	0.13	0.116	O	|	|	|	|	1.51
84.250	0.00	0.13	0.115	O	|	|	|	|	1.50
84.333	0.00	0.13	0.114	O	|	|	|	|	1.49

84.417	0.00	0.13	0.113	O	|	|	|	|	1.48
84.500	0.00	0.13	0.113	O	|	|	|	|	1.47
84.583	0.00	0.13	0.112	O	|	|	|	|	1.45
84.667	0.00	0.13	0.111	O	|	|	|	|	1.44
84.750	0.00	0.13	0.110	O	|	|	|	|	1.43
84.833	0.00	0.13	0.109	O	|	|	|	|	1.42
84.917	0.00	0.13	0.108	O	|	|	|	|	1.41
85.000	0.00	0.13	0.107	O	|	|	|	|	1.40
85.083	0.00	0.13	0.106	O	|	|	|	|	1.38
85.167	0.00	0.13	0.105	O	|	|	|	|	1.37
85.250	0.00	0.13	0.104	O	|	|	|	|	1.36
85.333	0.00	0.13	0.104	O	|	|	|	|	1.35
85.417	0.00	0.13	0.103	O	|	|	|	|	1.34
85.500	0.00	0.13	0.102	O	|	|	|	|	1.32
85.583	0.00	0.13	0.101	O	|	|	|	|	1.31
85.667	0.00	0.13	0.100	O	|	|	|	|	1.30
85.750	0.00	0.13	0.099	O	|	|	|	|	1.29
85.833	0.00	0.13	0.098	O	|	|	|	|	1.27
85.917	0.00	0.13	0.097	O	|	|	|	|	1.26
86.000	0.00	0.13	0.096	O	|	|	|	|	1.25
86.083	0.00	0.13	0.095	O	|	|	|	|	1.23
86.167	0.00	0.13	0.095	O	|	|	|	|	1.22
86.250	0.00	0.13	0.094	O	|	|	|	|	1.21
86.333	0.00	0.13	0.093	O	|	|	|	|	1.19
86.417	0.00	0.13	0.092	O	|	|	|	|	1.18
86.500	0.00	0.13	0.091	O	|	|	|	|	1.17
86.583	0.00	0.13	0.090	O	|	|	|	|	1.15
86.667	0.00	0.13	0.089	O	|	|	|	|	1.14
86.750	0.00	0.13	0.088	O	|	|	|	|	1.12
86.833	0.00	0.13	0.087	O	|	|	|	|	1.11
86.917	0.00	0.13	0.087	O	|	|	|	|	1.10
87.000	0.00	0.13	0.086	O	|	|	|	|	1.08
87.083	0.00	0.13	0.085	O	|	|	|	|	1.07
87.167	0.00	0.13	0.084	O	|	|	|	|	1.06
87.250	0.00	0.13	0.083	O	|	|	|	|	1.04
87.333	0.00	0.13	0.082	O	|	|	|	|	1.03
87.417	0.00	0.13	0.081	O	|	|	|	|	1.02
87.500	0.00	0.13	0.080	O	|	|	|	|	1.00
87.583	0.00	0.13	0.079	O	|	|	|	|	0.99
87.667	0.00	0.13	0.078	O	|	|	|	|	0.98
87.750	0.00	0.13	0.078	O	|	|	|	|	0.97
87.833	0.00	0.12	0.077	O	|	|	|	|	0.96
87.917	0.00	0.12	0.076	O	|	|	|	|	0.95
88.000	0.00	0.12	0.075	O	|	|	|	|	0.94
88.083	0.00	0.12	0.074	O	|	|	|	|	0.93
88.167	0.00	0.12	0.073	O	|	|	|	|	0.92
88.250	0.00	0.12	0.073	O	|	|	|	|	0.91
88.333	0.00	0.12	0.072	O	|	|	|	|	0.90
88.417	0.00	0.12	0.071	O	|	|	|	|	0.89
88.500	0.00	0.11	0.070	O	|	|	|	|	0.88
88.583	0.00	0.11	0.069	O	|	|	|	|	0.87
88.667	0.00	0.11	0.069	O	|	|	|	|	0.86
88.750	0.00	0.11	0.068	O	|	|	|	|	0.85
88.833	0.00	0.11	0.067	O	|	|	|	|	0.84
88.917	0.00	0.11	0.066	O	|	|	|	|	0.83
89.000	0.00	0.11	0.066	O	|	|	|	|	0.82
89.083	0.00	0.11	0.065	O	|	|	|	|	0.81
89.167	0.00	0.10	0.064	O	|	|	|	|	0.80
89.250	0.00	0.10	0.063	O	|	|	|	|	0.79
89.333	0.00	0.10	0.063	O	|	|	|	|	0.78
89.417	0.00	0.10	0.062	O	|	|	|	|	0.78
89.500	0.00	0.10	0.061	O	|	|	|	|	0.77
89.583	0.00	0.10	0.061	O	|	|	|	|	0.76
89.667	0.00	0.10	0.060	O	|	|	|	|	0.75
89.750	0.00	0.10	0.059	O	|	|	|	|	0.74
89.833	0.00	0.10	0.059	O	|	|	|	|	0.73
89.917	0.00	0.09	0.058	O	|	|	|	|	0.73
90.000	0.00	0.09	0.057	O	|	|	|	|	0.72

90.083	0.00	0.09	0.057	O	|	|	|	|	0.71
90.167	0.00	0.09	0.056	O	|	|	|	|	0.70
90.250	0.00	0.09	0.055	O	|	|	|	|	0.69
90.333	0.00	0.09	0.055	O	|	|	|	|	0.69
90.417	0.00	0.09	0.054	O	|	|	|	|	0.68
90.500	0.00	0.09	0.054	O	|	|	|	|	0.67
90.583	0.00	0.09	0.053	O	|	|	|	|	0.66
90.667	0.00	0.09	0.052	O	|	|	|	|	0.66
90.750	0.00	0.08	0.052	O	|	|	|	|	0.65
90.833	0.00	0.08	0.051	O	|	|	|	|	0.64
90.917	0.00	0.08	0.051	O	|	|	|	|	0.63
91.000	0.00	0.08	0.050	O	|	|	|	|	0.63
91.083	0.00	0.08	0.050	O	|	|	|	|	0.62
91.167	0.00	0.08	0.049	O	|	|	|	|	0.61
91.250	0.00	0.08	0.049	O	|	|	|	|	0.61
91.333	0.00	0.08	0.048	O	|	|	|	|	0.60
91.417	0.00	0.08	0.047	O	|	|	|	|	0.59
91.500	0.00	0.08	0.047	O	|	|	|	|	0.59
91.583	0.00	0.08	0.046	O	|	|	|	|	0.58
91.667	0.00	0.07	0.046	O	|	|	|	|	0.57
91.750	0.00	0.07	0.045	O	|	|	|	|	0.57
91.833	0.00	0.07	0.045	O	|	|	|	|	0.56
91.917	0.00	0.07	0.044	O	|	|	|	|	0.55
92.000	0.00	0.07	0.044	O	|	|	|	|	0.55
92.083	0.00	0.07	0.043	O	|	|	|	|	0.54
92.167	0.00	0.07	0.043	O	|	|	|	|	0.54
92.250	0.00	0.07	0.042	O	|	|	|	|	0.53
92.333	0.00	0.07	0.042	O	|	|	|	|	0.52
92.417	0.00	0.07	0.041	O	|	|	|	|	0.52
92.500	0.00	0.07	0.041	O	|	|	|	|	0.51
92.583	0.00	0.07	0.041	O	|	|	|	|	0.51
92.667	0.00	0.07	0.040	O	|	|	|	|	0.50
92.750	0.00	0.06	0.040	O	|	|	|	|	0.50
92.833	0.00	0.06	0.039	O	|	|	|	|	0.49
92.917	0.00	0.06	0.039	O	|	|	|	|	0.48
93.000	0.00	0.06	0.038	O	|	|	|	|	0.48
93.083	0.00	0.06	0.038	O	|	|	|	|	0.47
93.167	0.00	0.06	0.038	O	|	|	|	|	0.47
93.250	0.00	0.06	0.037	O	|	|	|	|	0.46
93.333	0.00	0.06	0.037	O	|	|	|	|	0.46
93.417	0.00	0.06	0.036	O	|	|	|	|	0.45
93.500	0.00	0.06	0.036	O	|	|	|	|	0.45
93.583	0.00	0.06	0.035	O	|	|	|	|	0.44
93.667	0.00	0.06	0.035	O	|	|	|	|	0.44
93.750	0.00	0.06	0.035	O	|	|	|	|	0.43
93.833	0.00	0.06	0.034	O	|	|	|	|	0.43
93.917	0.00	0.06	0.034	O	|	|	|	|	0.42
94.000	0.00	0.05	0.034	O	|	|	|	|	0.42
94.083	0.00	0.05	0.033	O	|	|	|	|	0.41
94.167	0.00	0.05	0.033	O	|	|	|	|	0.41
94.250	0.00	0.05	0.032	O	|	|	|	|	0.41
94.333	0.00	0.05	0.032	O	|	|	|	|	0.40
94.417	0.00	0.05	0.032	O	|	|	|	|	0.40
94.500	0.00	0.05	0.031	O	|	|	|	|	0.39
94.583	0.00	0.05	0.031	O	|	|	|	|	0.39
94.667	0.00	0.05	0.031	O	|	|	|	|	0.38
94.750	0.00	0.05	0.030	O	|	|	|	|	0.38
94.833	0.00	0.05	0.030	O	|	|	|	|	0.37
94.917	0.00	0.05	0.030	O	|	|	|	|	0.37
95.000	0.00	0.05	0.029	O	|	|	|	|	0.37
95.083	0.00	0.05	0.029	O	|	|	|	|	0.36
95.167	0.00	0.05	0.029	O	|	|	|	|	0.36
95.250	0.00	0.05	0.028	O	|	|	|	|	0.35
95.333	0.00	0.05	0.028	O	|	|	|	|	0.35
95.417	0.00	0.05	0.028	O	|	|	|	|	0.35
95.500	0.00	0.04	0.027	O	|	|	|	|	0.34
95.583	0.00	0.04	0.027	O	|	|	|	|	0.34
95.667	0.00	0.04	0.027	O	|	|	|	|	0.34

95.750	0.00	0.04	0.027	O	|	|	|	|	0.33
95.833	0.00	0.04	0.026	O	|	|	|	|	0.33
95.917	0.00	0.04	0.026	O	|	|	|	|	0.32
96.000	0.00	0.04	0.026	O	|	|	|	|	0.32
96.083	0.00	0.04	0.025	O	|	|	|	|	0.32
96.167	0.00	0.04	0.025	O	|	|	|	|	0.31
96.250	0.00	0.04	0.025	O	|	|	|	|	0.31
96.333	0.00	0.04	0.025	O	|	|	|	|	0.31
96.417	0.00	0.04	0.024	O	|	|	|	|	0.30
96.500	0.00	0.04	0.024	O	|	|	|	|	0.30
96.583	0.00	0.04	0.024	O	|	|	|	|	0.30
96.667	0.00	0.04	0.023	O	|	|	|	|	0.29
96.750	0.00	0.04	0.023	O	|	|	|	|	0.29
96.833	0.00	0.04	0.023	O	|	|	|	|	0.29
96.917	0.00	0.04	0.023	O	|	|	|	|	0.28
97.000	0.00	0.04	0.022	O	|	|	|	|	0.28
97.083	0.00	0.04	0.022	O	|	|	|	|	0.28
97.167	0.00	0.04	0.022	O	|	|	|	|	0.27
97.250	0.00	0.04	0.022	O	|	|	|	|	0.27
97.333	0.00	0.03	0.021	O	|	|	|	|	0.27
97.417	0.00	0.03	0.021	O	|	|	|	|	0.26
97.500	0.00	0.03	0.021	O	|	|	|	|	0.26
97.583	0.00	0.03	0.021	O	|	|	|	|	0.26
97.667	0.00	0.03	0.020	O	|	|	|	|	0.26
97.750	0.00	0.03	0.020	O	|	|	|	|	0.25
97.833	0.00	0.03	0.020	O	|	|	|	|	0.25
97.917	0.00	0.03	0.020	O	|	|	|	|	0.25
98.000	0.00	0.03	0.020	O	|	|	|	|	0.24
98.083	0.00	0.03	0.019	O	|	|	|	|	0.24
98.167	0.00	0.03	0.019	O	|	|	|	|	0.24
98.250	0.00	0.03	0.019	O	|	|	|	|	0.24
98.333	0.00	0.03	0.019	O	|	|	|	|	0.23
98.417	0.00	0.03	0.019	O	|	|	|	|	0.23
98.500	0.00	0.03	0.018	O	|	|	|	|	0.23
98.583	0.00	0.03	0.018	O	|	|	|	|	0.23
98.667	0.00	0.03	0.018	O	|	|	|	|	0.22
98.750	0.00	0.03	0.018	O	|	|	|	|	0.22
98.833	0.00	0.03	0.018	O	|	|	|	|	0.22
98.917	0.00	0.03	0.017	O	|	|	|	|	0.22
99.000	0.00	0.03	0.017	O	|	|	|	|	0.21
99.083	0.00	0.03	0.017	O	|	|	|	|	0.21
99.167	0.00	0.03	0.017	O	|	|	|	|	0.21
99.250	0.00	0.03	0.017	O	|	|	|	|	0.21
99.333	0.00	0.03	0.016	O	|	|	|	|	0.20
99.417	0.00	0.03	0.016	O	|	|	|	|	0.20
99.500	0.00	0.03	0.016	O	|	|	|	|	0.20
99.583	0.00	0.03	0.016	O	|	|	|	|	0.20
99.667	0.00	0.03	0.016	O	|	|	|	|	0.20
99.750	0.00	0.03	0.015	O	|	|	|	|	0.19
99.833	0.00	0.02	0.015	O	|	|	|	|	0.19
99.917	0.00	0.02	0.015	O	|	|	|	|	0.19
100.000	0.00	0.02	0.015	O	|	|	|	|	0.19
100.083	0.00	0.02	0.015	O	|	|	|	|	0.19
100.167	0.00	0.02	0.015	O	|	|	|	|	0.18
100.250	0.00	0.02	0.014	O	|	|	|	|	0.18
100.333	0.00	0.02	0.014	O	|	|	|	|	0.18
100.417	0.00	0.02	0.014	O	|	|	|	|	0.18
100.500	0.00	0.02	0.014	O	|	|	|	|	0.18
100.583	0.00	0.02	0.014	O	|	|	|	|	0.17
100.667	0.00	0.02	0.014	O	|	|	|	|	0.17
100.750	0.00	0.02	0.014	O	|	|	|	|	0.17
100.833	0.00	0.02	0.013	O	|	|	|	|	0.17
100.917	0.00	0.02	0.013	O	|	|	|	|	0.17
101.000	0.00	0.02	0.013	O	|	|	|	|	0.16
101.083	0.00	0.02	0.013	O	|	|	|	|	0.16
101.167	0.00	0.02	0.013	O	|	|	|	|	0.16
101.250	0.00	0.02	0.013	O	|	|	|	|	0.16
101.333	0.00	0.02	0.013	O	|	|	|	|	0.16

101.417	0.00	0.02	0.012	O	|	|	|	|	0.15
101.500	0.00	0.02	0.012	O	|	|	|	|	0.15
101.583	0.00	0.02	0.012	O	|	|	|	|	0.15
101.667	0.00	0.02	0.012	O	|	|	|	|	0.15
101.750	0.00	0.02	0.012	O	|	|	|	|	0.15
101.833	0.00	0.02	0.012	O	|	|	|	|	0.15
101.917	0.00	0.02	0.012	O	|	|	|	|	0.14
102.000	0.00	0.02	0.011	O	|	|	|	|	0.14
102.083	0.00	0.02	0.011	O	|	|	|	|	0.14
102.167	0.00	0.02	0.011	O	|	|	|	|	0.14
102.250	0.00	0.02	0.011	O	|	|	|	|	0.14
102.333	0.00	0.02	0.011	O	|	|	|	|	0.14
102.417	0.00	0.02	0.011	O	|	|	|	|	0.14
102.500	0.00	0.02	0.011	O	|	|	|	|	0.13
102.583	0.00	0.02	0.011	O	|	|	|	|	0.13
102.667	0.00	0.02	0.010	O	|	|	|	|	0.13
102.750	0.00	0.02	0.010	O	|	|	|	|	0.13
102.833	0.00	0.02	0.010	O	|	|	|	|	0.13
102.917	0.00	0.02	0.010	O	|	|	|	|	0.13
103.000	0.00	0.02	0.010	O	|	|	|	|	0.13
103.083	0.00	0.02	0.010	O	|	|	|	|	0.12
103.167	0.00	0.02	0.010	O	|	|	|	|	0.12
103.250	0.00	0.02	0.010	O	|	|	|	|	0.12
103.333	0.00	0.02	0.010	O	|	|	|	|	0.12
103.417	0.00	0.02	0.009	O	|	|	|	|	0.12
103.500	0.00	0.02	0.009	O	|	|	|	|	0.12
103.583	0.00	0.02	0.009	O	|	|	|	|	0.12
103.667	0.00	0.01	0.009	O	|	|	|	|	0.11
103.750	0.00	0.01	0.009	O	|	|	|	|	0.11
103.833	0.00	0.01	0.009	O	|	|	|	|	0.11
103.917	0.00	0.01	0.009	O	|	|	|	|	0.11
104.000	0.00	0.01	0.009	O	|	|	|	|	0.11
104.083	0.00	0.01	0.009	O	|	|	|	|	0.11
104.167	0.00	0.01	0.009	O	|	|	|	|	0.11
104.250	0.00	0.01	0.008	O	|	|	|	|	0.11
104.333	0.00	0.01	0.008	O	|	|	|	|	0.10
104.417	0.00	0.01	0.008	O	|	|	|	|	0.10
104.500	0.00	0.01	0.008	O	|	|	|	|	0.10
104.583	0.00	0.01	0.008	O	|	|	|	|	0.10
104.667	0.00	0.01	0.008	O	|	|	|	|	0.10
104.750	0.00	0.01	0.008	O	|	|	|	|	0.10
104.833	0.00	0.01	0.008	O	|	|	|	|	0.10
104.917	0.00	0.01	0.008	O	|	|	|	|	0.10
105.000	0.00	0.01	0.008	O	|	|	|	|	0.10
105.083	0.00	0.01	0.008	O	|	|	|	|	0.09
105.167	0.00	0.01	0.007	O	|	|	|	|	0.09
105.250	0.00	0.01	0.007	O	|	|	|	|	0.09
105.333	0.00	0.01	0.007	O	|	|	|	|	0.09
105.417	0.00	0.01	0.007	O	|	|	|	|	0.09
105.500	0.00	0.01	0.007	O	|	|	|	|	0.09
105.583	0.00	0.01	0.007	O	|	|	|	|	0.09
105.667	0.00	0.01	0.007	O	|	|	|	|	0.09
105.750	0.00	0.01	0.007	O	|	|	|	|	0.09
105.833	0.00	0.01	0.007	O	|	|	|	|	0.09
105.917	0.00	0.01	0.007	O	|	|	|	|	0.08
106.000	0.00	0.01	0.007	O	|	|	|	|	0.08
106.083	0.00	0.01	0.007	O	|	|	|	|	0.08
106.167	0.00	0.01	0.007	O	|	|	|	|	0.08
106.250	0.00	0.01	0.006	O	|	|	|	|	0.08
106.333	0.00	0.01	0.006	O	|	|	|	|	0.08
106.417	0.00	0.01	0.006	O	|	|	|	|	0.08
106.500	0.00	0.01	0.006	O	|	|	|	|	0.08
106.583	0.00	0.01	0.006	O	|	|	|	|	0.08
106.667	0.00	0.01	0.006	O	|	|	|	|	0.08
106.750	0.00	0.01	0.006	O	|	|	|	|	0.08
106.833	0.00	0.01	0.006	O	|	|	|	|	0.07
106.917	0.00	0.01	0.006	O	|	|	|	|	0.07
107.000	0.00	0.01	0.006	O	|	|	|	|	0.07

107.083	0.00	0.01	0.006	O	|	|	|	|	0.07
107.167	0.00	0.01	0.006	O	|	|	|	|	0.07
107.250	0.00	0.01	0.006	O	|	|	|	|	0.07
107.333	0.00	0.01	0.006	O	|	|	|	|	0.07
107.417	0.00	0.01	0.006	O	|	|	|	|	0.07
107.500	0.00	0.01	0.005	O	|	|	|	|	0.07
107.583	0.00	0.01	0.005	O	|	|	|	|	0.07
107.667	0.00	0.01	0.005	O	|	|	|	|	0.07
107.750	0.00	0.01	0.005	O	|	|	|	|	0.07
107.833	0.00	0.01	0.005	O	|	|	|	|	0.07
107.917	0.00	0.01	0.005	O	|	|	|	|	0.06
108.000	0.00	0.01	0.005	O	|	|	|	|	0.06
108.083	0.00	0.01	0.005	O	|	|	|	|	0.06
108.167	0.00	0.01	0.005	O	|	|	|	|	0.06
108.250	0.00	0.01	0.005	O	|	|	|	|	0.06
108.333	0.00	0.01	0.005	O	|	|	|	|	0.06
108.417	0.00	0.01	0.005	O	|	|	|	|	0.06
108.500	0.00	0.01	0.005	O	|	|	|	|	0.06
108.583	0.00	0.01	0.005	O	|	|	|	|	0.06
108.667	0.00	0.01	0.005	O	|	|	|	|	0.06
108.750	0.00	0.01	0.005	O	|	|	|	|	0.06
108.833	0.00	0.01	0.005	O	|	|	|	|	0.06
108.917	0.00	0.01	0.005	O	|	|	|	|	0.06
109.000	0.00	0.01	0.004	O	|	|	|	|	0.06
109.083	0.00	0.01	0.004	O	|	|	|	|	0.06
109.167	0.00	0.01	0.004	O	|	|	|	|	0.05
109.250	0.00	0.01	0.004	O	|	|	|	|	0.05
109.333	0.00	0.01	0.004	O	|	|	|	|	0.05
109.417	0.00	0.01	0.004	O	|	|	|	|	0.05
109.500	0.00	0.01	0.004	O	|	|	|	|	0.05
109.583	0.00	0.01	0.004	O	|	|	|	|	0.05
109.667	0.00	0.01	0.004	O	|	|	|	|	0.05
109.750	0.00	0.01	0.004	O	|	|	|	|	0.05
109.833	0.00	0.01	0.004	O	|	|	|	|	0.05
109.917	0.00	0.01	0.004	O	|	|	|	|	0.05
110.000	0.00	0.01	0.004	O	|	|	|	|	0.05
110.083	0.00	0.01	0.004	O	|	|	|	|	0.05
110.167	0.00	0.01	0.004	O	|	|	|	|	0.05
110.250	0.00	0.01	0.004	O	|	|	|	|	0.05
110.333	0.00	0.01	0.004	O	|	|	|	|	0.05
110.417	0.00	0.01	0.004	O	|	|	|	|	0.05
110.500	0.00	0.01	0.004	O	|	|	|	|	0.05
110.583	0.00	0.01	0.004	O	|	|	|	|	0.05
110.667	0.00	0.01	0.004	O	|	|	|	|	0.04
110.750	0.00	0.01	0.004	O	|	|	|	|	0.04
110.833	0.00	0.01	0.003	O	|	|	|	|	0.04
110.917	0.00	0.01	0.003	O	|	|	|	|	0.04
111.000	0.00	0.01	0.003	O	|	|	|	|	0.04
111.083	0.00	0.01	0.003	O	|	|	|	|	0.04
111.167	0.00	0.01	0.003	O	|	|	|	|	0.04
111.250	0.00	0.01	0.003	O	|	|	|	|	0.04
111.333	0.00	0.01	0.003	O	|	|	|	|	0.04
111.417	0.00	0.01	0.003	O	|	|	|	|	0.04
111.500	0.00	0.01	0.003	O	|	|	|	|	0.04
111.583	0.00	0.01	0.003	O	|	|	|	|	0.04
111.667	0.00	0.01	0.003	O	|	|	|	|	0.04
111.750	0.00	0.01	0.003	O	|	|	|	|	0.04
111.833	0.00	0.00	0.003	O	|	|	|	|	0.04
111.917	0.00	0.00	0.003	O	|	|	|	|	0.04
112.000	0.00	0.00	0.003	O	|	|	|	|	0.04
112.083	0.00	0.00	0.003	O	|	|	|	|	0.04
112.167	0.00	0.00	0.003	O	|	|	|	|	0.04
112.250	0.00	0.00	0.003	O	|	|	|	|	0.04
112.333	0.00	0.00	0.003	O	|	|	|	|	0.04
112.417	0.00	0.00	0.003	O	|	|	|	|	0.04
112.500	0.00	0.00	0.003	O	|	|	|	|	0.03
112.583	0.00	0.00	0.003	O	|	|	|	|	0.03
112.667	0.00	0.00	0.003	O	|	|	|	|	0.03

112.750	0.00	0.00	0.003	O	|	|	|	|	0.03
112.833	0.00	0.00	0.003	O	|	|	|	|	0.03
112.917	0.00	0.00	0.003	O	|	|	|	|	0.03
113.000	0.00	0.00	0.003	O	|	|	|	|	0.03
113.083	0.00	0.00	0.003	O	|	|	|	|	0.03
113.167	0.00	0.00	0.003	O	|	|	|	|	0.03
113.250	0.00	0.00	0.003	O	|	|	|	|	0.03
113.333	0.00	0.00	0.002	O	|	|	|	|	0.03
113.417	0.00	0.00	0.002	O	|	|	|	|	0.03
113.500	0.00	0.00	0.002	O	|	|	|	|	0.03
113.583	0.00	0.00	0.002	O	|	|	|	|	0.03
113.667	0.00	0.00	0.002	O	|	|	|	|	0.03
113.750	0.00	0.00	0.002	O	|	|	|	|	0.03
113.833	0.00	0.00	0.002	O	|	|	|	|	0.03
113.917	0.00	0.00	0.002	O	|	|	|	|	0.03
114.000	0.00	0.00	0.002	O	|	|	|	|	0.03
114.083	0.00	0.00	0.002	O	|	|	|	|	0.03
114.167	0.00	0.00	0.002	O	|	|	|	|	0.03
114.250	0.00	0.00	0.002	O	|	|	|	|	0.03
114.333	0.00	0.00	0.002	O	|	|	|	|	0.03
114.417	0.00	0.00	0.002	O	|	|	|	|	0.03
114.500	0.00	0.00	0.002	O	|	|	|	|	0.03
114.583	0.00	0.00	0.002	O	|	|	|	|	0.03
114.667	0.00	0.00	0.002	O	|	|	|	|	0.03
114.750	0.00	0.00	0.002	O	|	|	|	|	0.03
114.833	0.00	0.00	0.002	O	|	|	|	|	0.03
114.917	0.00	0.00	0.002	O	|	|	|	|	0.03
115.000	0.00	0.00	0.002	O	|	|	|	|	0.02
115.083	0.00	0.00	0.002	O	|	|	|	|	0.02
115.167	0.00	0.00	0.002	O	|	|	|	|	0.02
115.250	0.00	0.00	0.002	O	|	|	|	|	0.02
115.333	0.00	0.00	0.002	O	|	|	|	|	0.02
115.417	0.00	0.00	0.002	O	|	|	|	|	0.02
115.500	0.00	0.00	0.002	O	|	|	|	|	0.02
115.583	0.00	0.00	0.002	O	|	|	|	|	0.02
115.667	0.00	0.00	0.002	O	|	|	|	|	0.02
115.750	0.00	0.00	0.002	O	|	|	|	|	0.02
115.833	0.00	0.00	0.002	O	|	|	|	|	0.02
115.917	0.00	0.00	0.002	O	|	|	|	|	0.02
116.000	0.00	0.00	0.002	O	|	|	|	|	0.02
116.083	0.00	0.00	0.002	O	|	|	|	|	0.02
116.167	0.00	0.00	0.002	O	|	|	|	|	0.02
116.250	0.00	0.00	0.002	O	|	|	|	|	0.02
116.333	0.00	0.00	0.002	O	|	|	|	|	0.02
116.417	0.00	0.00	0.002	O	|	|	|	|	0.02
116.500	0.00	0.00	0.002	O	|	|	|	|	0.02
116.583	0.00	0.00	0.002	O	|	|	|	|	0.02
116.667	0.00	0.00	0.002	O	|	|	|	|	0.02
116.750	0.00	0.00	0.002	O	|	|	|	|	0.02
116.833	0.00	0.00	0.002	O	|	|	|	|	0.02
116.917	0.00	0.00	0.002	O	|	|	|	|	0.02
117.000	0.00	0.00	0.002	O	|	|	|	|	0.02
117.083	0.00	0.00	0.002	O	|	|	|	|	0.02
117.167	0.00	0.00	0.001	O	|	|	|	|	0.02
117.250	0.00	0.00	0.001	O	|	|	|	|	0.02
117.333	0.00	0.00	0.001	O	|	|	|	|	0.02
117.417	0.00	0.00	0.001	O	|	|	|	|	0.02
117.500	0.00	0.00	0.001	O	|	|	|	|	0.02
117.583	0.00	0.00	0.001	O	|	|	|	|	0.02
117.667	0.00	0.00	0.001	O	|	|	|	|	0.02
117.750	0.00	0.00	0.001	O	|	|	|	|	0.02
117.833	0.00	0.00	0.001	O	|	|	|	|	0.02
117.917	0.00	0.00	0.001	O	|	|	|	|	0.02
118.000	0.00	0.00	0.001	O	|	|	|	|	0.02
118.083	0.00	0.00	0.001	O	|	|	|	|	0.02
118.167	0.00	0.00	0.001	O	|	|	|	|	0.02
118.250	0.00	0.00	0.001	O	|	|	|	|	0.02
118.333	0.00	0.00	0.001	O	|	|	|	|	0.02

118.417	0.00	0.00	0.001	O	|	|	|	|	0.02
118.500	0.00	0.00	0.001	O	|	|	|	|	0.02
118.583	0.00	0.00	0.001	O	|	|	|	|	0.02
118.667	0.00	0.00	0.001	O	|	|	|	|	0.02
118.750	0.00	0.00	0.001	O	|	|	|	|	0.02
118.833	0.00	0.00	0.001	O	|	|	|	|	0.01
118.917	0.00	0.00	0.001	O	|	|	|	|	0.01
119.000	0.00	0.00	0.001	O	|	|	|	|	0.01
119.083	0.00	0.00	0.001	O	|	|	|	|	0.01
119.167	0.00	0.00	0.001	O	|	|	|	|	0.01
119.250	0.00	0.00	0.001	O	|	|	|	|	0.01
119.333	0.00	0.00	0.001	O	|	|	|	|	0.01
119.417	0.00	0.00	0.001	O	|	|	|	|	0.01
119.500	0.00	0.00	0.001	O	|	|	|	|	0.01
119.583	0.00	0.00	0.001	O	|	|	|	|	0.01
119.667	0.00	0.00	0.001	O	|	|	|	|	0.01
119.750	0.00	0.00	0.001	O	|	|	|	|	0.01
119.833	0.00	0.00	0.001	O	|	|	|	|	0.01
119.917	0.00	0.00	0.001	O	|	|	|	|	0.01
120.000	0.00	0.00	0.001	O	|	|	|	|	0.01
120.083	0.00	0.00	0.001	O	|	|	|	|	0.01
120.167	0.00	0.00	0.001	O	|	|	|	|	0.01
120.250	0.00	0.00	0.001	O	|	|	|	|	0.01
120.333	0.00	0.00	0.001	O	|	|	|	|	0.01
120.417	0.00	0.00	0.001	O	|	|	|	|	0.01
120.500	0.00	0.00	0.001	O	|	|	|	|	0.01
120.583	0.00	0.00	0.001	O	|	|	|	|	0.01
120.667	0.00	0.00	0.001	O	|	|	|	|	0.01
120.750	0.00	0.00	0.001	O	|	|	|	|	0.01
120.833	0.00	0.00	0.001	O	|	|	|	|	0.01
120.917	0.00	0.00	0.001	O	|	|	|	|	0.01
121.000	0.00	0.00	0.001	O	|	|	|	|	0.01
121.083	0.00	0.00	0.001	O	|	|	|	|	0.01
121.167	0.00	0.00	0.001	O	|	|	|	|	0.01
121.250	0.00	0.00	0.001	O	|	|	|	|	0.01
121.333	0.00	0.00	0.001	O	|	|	|	|	0.01
121.417	0.00	0.00	0.001	O	|	|	|	|	0.01
121.500	0.00	0.00	0.001	O	|	|	|	|	0.01
121.583	0.00	0.00	0.001	O	|	|	|	|	0.01
121.667	0.00	0.00	0.001	O	|	|	|	|	0.01
121.750	0.00	0.00	0.001	O	|	|	|	|	0.01
121.833	0.00	0.00	0.001	O	|	|	|	|	0.01
121.917	0.00	0.00	0.001	O	|	|	|	|	0.01
122.000	0.00	0.00	0.001	O	|	|	|	|	0.01
122.083	0.00	0.00	0.001	O	|	|	|	|	0.01
122.167	0.00	0.00	0.001	O	|	|	|	|	0.01
122.250	0.00	0.00	0.001	O	|	|	|	|	0.01
122.333	0.00	0.00	0.001	O	|	|	|	|	0.01
122.417	0.00	0.00	0.001	O	|	|	|	|	0.01
122.500	0.00	0.00	0.001	O	|	|	|	|	0.01
122.583	0.00	0.00	0.001	O	|	|	|	|	0.01
122.667	0.00	0.00	0.001	O	|	|	|	|	0.01
122.750	0.00	0.00	0.001	O	|	|	|	|	0.01
122.833	0.00	0.00	0.001	O	|	|	|	|	0.01
122.917	0.00	0.00	0.001	O	|	|	|	|	0.01
123.000	0.00	0.00	0.001	O	|	|	|	|	0.01
123.083	0.00	0.00	0.001	O	|	|	|	|	0.01
123.167	0.00	0.00	0.001	O	|	|	|	|	0.01
123.250	0.00	0.00	0.001	O	|	|	|	|	0.01
123.333	0.00	0.00	0.001	O	|	|	|	|	0.01
123.417	0.00	0.00	0.001	O	|	|	|	|	0.01
123.500	0.00	0.00	0.001	O	|	|	|	|	0.01
123.583	0.00	0.00	0.001	O	|	|	|	|	0.01
123.667	0.00	0.00	0.001	O	|	|	|	|	0.01
123.750	0.00	0.00	0.001	O	|	|	|	|	0.01
123.833	0.00	0.00	0.001	O	|	|	|	|	0.01

**********HYDROGRAPH DATA**********

```
              Number of intervals =  1486
              Time interval =    5.0 (Min.)
              Maximum/Peak flow rate =        6.911 (CFS)
              Total volume =       3.306 (Ac.Ft)
       Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
       Peak (CFS)      0.000     0.000     0.000     0.000     0.000
       Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
****************************************************************************

----------------------------------------------------------------------
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FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 03/17/22

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: PROA10610.rte
**********HYDROGRAPH DATA**********
Number of intervals = 76
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 18.355 (CFS)
Total volume = 1.830 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

PROPOSED BASIN ROUTING
10-YEAR 6HR STORM
TT# 38171

++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 76
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.080	0.130	0.080	0.080
1.300	0.100	0.130	0.100	0.100
1.700	0.130	0.130	0.130	0.130
2.000	0.150	0.130	0.150	0.150
2.300	0.180	0.130	0.180	0.180
2.700	0.200	0.130	0.200	0.200
3.000	0.230	0.130	0.230	0.230
3.300	0.320	0.130	0.320	0.320
3.700	0.420	0.130	0.420	0.420
4.000	0.510	0.130	0.510	0.510
4.300	0.620	0.130	0.620	0.620
4.700	0.720	0.330	0.719	0.721
5.000	0.830	0.560	0.828	0.832
5.300	0.950	0.710	0.948	0.952
5.700	1.060	0.830	1.057	1.063
6.000	1.190	0.930	1.187	1.193
6.300	1.310	1.010	1.307	1.313
6.700	1.440	1.100	1.436	1.444
7.000	1.570	29.950	1.467	1.673

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 4.6 9.18 13.77 18.36	Depth (Ft.)
0.083	0.44	0.00	0.002	O	0.02
0.167	1.02	0.01	0.007	OI	0.08
0.250	1.23	0.02	0.014	O I	0.18
0.333	1.29	0.04	0.023	O I	0.28
0.417	1.32	0.05	0.031	O I	0.39
0.500	1.41	0.07	0.040	O I	0.50
0.583	1.51	0.08	0.050	O I	0.62
0.667	1.53	0.10	0.060	O I	0.75
0.750	1.54	0.11	0.069	O I	0.87
0.833	1.54	0.13	0.079	O I	0.99
0.917	1.54	0.13	0.089	O I	1.13
1.000	1.63	0.13	0.099	O I	1.28
1.083	1.73	0.13	0.110	O I	1.43
1.167	1.75	0.13	0.121	O I	1.58
1.250	1.76	0.13	0.132	O I	1.73
1.333	1.76	0.13	0.143	O I	1.90
1.417	1.76	0.13	0.154	O I	2.04
1.500	1.76	0.13	0.166	O I	2.16
1.583	1.76	0.13	0.177	O I	2.27
1.667	1.76	0.13	0.188	O I	2.46
1.750	1.76	0.13	0.199	O I	2.69
1.833	1.76	0.13	0.210	O I	2.80
1.917	1.76	0.13	0.222	O I	2.92
2.000	1.85	0.13	0.233	O I	3.01
2.083	1.86	0.13	0.245	O I	3.05
2.167	1.87	0.13	0.257	O I	3.09
2.250	1.96	0.13	0.269	O I	3.13
2.333	1.97	0.13	0.282	O I	3.17
2.417	1.98	0.13	0.295	O I	3.22
2.500	1.98	0.13	0.307	O I	3.26
2.583	1.98	0.13	0.320	O I	3.30
2.667	1.98	0.13	0.333	O I	3.35
2.750	2.07	0.13	0.346	O I	3.40
2.833	2.17	0.13	0.360	O I	3.46
2.917	2.19	0.13	0.374	O I	3.52
3.000	2.20	0.13	0.388	O I	3.57
3.083	2.20	0.13	0.402	O I	3.63
3.167	2.29	0.13	0.417	O I	3.69
3.250	2.39	0.13	0.432	O I	3.74
3.333	2.41	0.13	0.448	O I	3.79
3.417	2.51	0.13	0.464	O I	3.85
3.500	2.70	0.13	0.481	O I	3.90
3.583	2.90	0.13	0.499	O I	3.96
3.667	3.03	0.13	0.519	O I	4.02
3.750	3.15	0.13	0.539	O I	4.08
3.833	3.26	0.13	0.560	O I	4.14
3.917	3.38	0.13	0.582	O I	4.20
4.000	3.48	0.13	0.605	O I	4.26
4.083	3.60	0.15	0.628	O I	4.33
4.167	3.83	0.20	0.653	O I	4.43
4.250	4.18	0.25	0.679	O I	4.54
4.333	4.60	0.30	0.707	O I	4.65
4.417	5.05	0.37	0.738	O I	4.75
4.500	5.31	0.44	0.771	O I	4.84
4.583	5.57	0.51	0.805	O I	4.93
4.667	5.97	0.57	0.841	O I	5.03
4.750	6.41	0.62	0.880	O I	5.12
4.833	6.67	0.67	0.920	O I	5.23
4.917	6.92	0.72	0.962	O I	5.35
5.000	7.33	0.77	1.006	O I	5.50

5.083	8.49	0.82	1.055	O	I			5.68
5.167	10.47	0.87	1.115	O		I		5.83
5.250	12.26	0.93	1.187	O		I		5.99
5.333	13.72	0.98	1.270	O		I		6.20
5.417	15.49	1.05	1.363	O		I		6.46
5.500	18.36	5.18	1.458	O			I	6.74
5.583	13.74	**14.60**	**1.501**			**I**	**O**	**6.84**
5.667	5.77	10.40	1.482	I		O		6.80
5.750	2.97	5.18	1.458	O				6.74
5.833	1.77	2.75	1.447	IO				6.72
5.917	1.04	1.58	1.442	IO				6.71
6.000	0.66	1.10	1.439	O				6.70
6.083	0.33	1.10	1.435	IO				6.68
6.167	0.09	1.09	1.429	IO				6.66
6.250	0.03	1.09	1.421	IO				6.64
6.333	0.01	1.08	1.414	IO				6.62
6.417	0.00	1.08	1.407	IO				6.60
6.500	0.00	1.07	1.399	IO				6.57
6.583	0.00	1.07	1.392	IO				6.55
6.667	0.00	1.06	1.385	IO				6.53
6.750	0.00	1.06	1.377	IO				6.51
6.833	0.00	1.05	1.370	IO				6.48
6.917	0.00	1.05	1.363	IO				6.46
7.000	0.00	1.04	1.356	IO				6.44
7.083	0.00	1.04	1.348	IO				6.42
7.167	0.00	1.03	1.341	IO				6.40
7.250	0.00	1.03	1.334	IO				6.37
7.333	0.00	1.02	1.327	IO				6.35
7.417	0.00	1.02	1.320	IO				6.33
7.500	0.00	1.01	1.313	IO				6.31
7.583	0.00	1.01	1.306	IO				6.29
7.667	0.00	1.00	1.299	IO				6.27
7.750	0.00	1.00	1.292	IO				6.26
7.833	0.00	0.99	1.286	IO				6.24
7.917	0.00	0.99	1.279	IO				6.22
8.000	0.00	0.98	1.272	IO				6.20
8.083	0.00	0.98	1.265	IO				6.19
8.167	0.00	0.98	1.258	IO				6.17
8.250	0.00	0.97	1.252	IO				6.15
8.333	0.00	0.97	1.245	IO				6.14
8.417	0.00	0.96	1.238	IO				6.12
8.500	0.00	0.96	1.232	IO				6.10
8.583	0.00	0.95	1.225	IO				6.09
8.667	0.00	0.95	1.219	IO				6.07
8.750	0.00	0.94	1.212	IO				6.06
8.833	0.00	0.94	1.206	IO				6.04
8.917	0.00	0.94	1.199	IO				6.02
9.000	0.00	0.93	1.193	IO				6.01
9.083	0.00	0.93	1.186	IO				5.99
9.167	0.00	0.92	1.180	IO				5.98
9.250	0.00	0.92	1.174	IO				5.96
9.333	0.00	0.91	1.167	IO				5.95
9.417	0.00	0.91	1.161	IO				5.93
9.500	0.00	0.90	1.155	IO				5.92
9.583	0.00	0.90	1.149	IO				5.90
9.667	0.00	0.89	1.142	IO				5.89
9.750	0.00	0.89	1.136	IO				5.88
9.833	0.00	0.88	1.130	IO				5.86
9.917	0.00	0.88	1.124	IO				5.85
10.000	0.00	0.87	1.118	IO				5.83
10.083	0.00	0.87	1.112	IO				5.82
10.167	0.00	0.87	1.106	IO				5.81
10.250	0.00	0.86	1.100	IO				5.79
10.333	0.00	0.86	1.094	IO				5.78
10.417	0.00	0.85	1.088	IO				5.77
10.500	0.00	0.85	1.083	IO				5.75
10.583	0.00	0.84	1.077	IO				5.74
10.667	0.00	0.84	1.071	IO				5.73

10.750	0.00	0.83	1.065	IO	|	|	|	5.71
10.833	0.00	0.83	1.059	IO	|	|	|	5.70
10.917	0.00	0.82	1.054	IO	|	|	|	5.68
11.000	0.00	0.82	1.048	IO	|	|	|	5.66
11.083	0.00	0.81	1.043	IO	|	|	|	5.64
11.167	0.00	0.80	1.037	IO	|	|	|	5.62
11.250	0.00	0.80	1.031	IO	|	|	|	5.60
11.333	0.00	0.79	1.026	IO	|	|	|	5.58
11.417	0.00	0.79	1.020	IO	|	|	|	5.56
11.500	0.00	0.78	1.015	IO	|	|	|	5.54
11.583	0.00	0.78	1.010	IO	|	|	|	5.52
11.667	0.00	0.77	1.004	IO	|	|	|	5.50
11.750	0.00	0.76	0.999	IO	|	|	|	5.48
11.833	0.00	0.76	0.994	IO	|	|	|	5.46
11.917	0.00	0.75	0.989	IO	|	|	|	5.44
12.000	0.00	0.75	0.984	IO	|	|	|	5.42
12.083	0.00	0.74	0.978	IO	|	|	|	5.40
12.167	0.00	0.74	0.973	IO	|	|	|	5.38
12.250	0.00	0.73	0.968	IO	|	|	|	5.37
12.333	0.00	0.72	0.963	IO	|	|	|	5.35
12.417	0.00	0.72	0.958	IO	|	|	|	5.33
12.500	0.00	0.71	0.953	IO	|	|	|	5.31
12.583	0.00	0.71	0.948	IO	|	|	|	5.30
12.667	0.00	0.70	0.944	IO	|	|	|	5.28
12.750	0.00	0.70	0.939	IO	|	|	|	5.27
12.833	0.00	0.69	0.934	IO	|	|	|	5.26
12.917	0.00	0.68	0.929	IO	|	|	|	5.25
13.000	0.00	0.68	0.925	IO	|	|	|	5.24
13.083	0.00	0.67	0.920	IO	|	|	|	5.22
13.167	0.00	0.67	0.915	IO	|	|	|	5.21
13.250	0.00	0.66	0.911	IO	|	|	|	5.20
13.333	0.00	0.66	0.906	IO	|	|	|	5.19
13.417	0.00	0.65	0.902	IO	|	|	|	5.18
13.500	0.00	0.64	0.897	IO	|	|	|	5.17
13.583	0.00	0.64	0.893	IO	|	|	|	5.16
13.667	0.00	0.63	0.888	IO	|	|	|	5.15
13.750	0.00	0.63	0.884	IO	|	|	|	5.14
13.833	0.00	0.62	0.880	IO	|	|	|	5.12
13.917	0.00	0.62	0.876	IO	|	|	|	5.11
14.000	0.00	0.61	0.871	IO	|	|	|	5.10
14.083	0.00	0.61	0.867	IO	|	|	|	5.09
14.167	0.00	0.60	0.863	IO	|	|	|	5.08
14.250	0.00	0.60	0.859	IO	|	|	|	5.07
14.333	0.00	0.59	0.855	IO	|	|	|	5.06
14.417	0.00	0.59	0.851	IO	|	|	|	5.05
14.500	0.00	0.58	0.847	IO	|	|	|	5.04
14.583	0.00	0.58	0.843	IO	|	|	|	5.03
14.667	0.00	0.57	0.839	O	|	|	|	5.02
14.750	0.00	0.57	0.835	O	|	|	|	5.01
14.833	0.00	0.56	0.831	O	|	|	|	5.00
14.917	0.00	0.55	0.827	O	|	|	|	4.99
15.000	0.00	0.55	0.823	O	|	|	|	4.98
15.083	0.00	0.54	0.820	O	|	|	|	4.97
15.167	0.00	0.53	0.816	O	|	|	|	4.96
15.250	0.00	0.52	0.812	O	|	|	|	4.95
15.333	0.00	0.52	0.809	O	|	|	|	4.94
15.417	0.00	0.51	0.805	O	|	|	|	4.93
15.500	0.00	0.50	0.802	O	|	|	|	4.92
15.583	0.00	0.49	0.798	O	|	|	|	4.91
15.667	0.00	0.49	0.795	O	|	|	|	4.90
15.750	0.00	0.48	0.792	O	|	|	|	4.90
15.833	0.00	0.47	0.788	O	|	|	|	4.89
15.917	0.00	0.47	0.785	O	|	|	|	4.88
16.000	0.00	0.46	0.782	O	|	|	|	4.87
16.083	0.00	0.45	0.779	O	|	|	|	4.86
16.167	0.00	0.45	0.776	O	|	|	|	4.85
16.250	0.00	0.44	0.773	O	|	|	|	4.84
16.333	0.00	0.43	0.770	O	|	|	|	4.84

16.417	0.00	0.43	0.767	O	|	|	|	|	4.83
16.500	0.00	0.42	0.764	O	|	|	|	|	4.82
16.583	0.00	0.42	0.761	O	|	|	|	|	4.81
16.667	0.00	0.41	0.758	O	|	|	|	|	4.80
16.750	0.00	0.40	0.755	O	|	|	|	|	4.80
16.833	0.00	0.40	0.752	O	|	|	|	|	4.79
16.917	0.00	0.39	0.750	O	|	|	|	|	4.78
17.000	0.00	0.39	0.747	O	|	|	|	|	4.77
17.083	0.00	0.38	0.744	O	|	|	|	|	4.77
17.167	0.00	0.38	0.742	O	|	|	|	|	4.76
17.250	0.00	0.37	0.739	O	|	|	|	|	4.75
17.333	0.00	0.36	0.737	O	|	|	|	|	4.75
17.417	0.00	0.36	0.734	O	|	|	|	|	4.74
17.500	0.00	0.35	0.732	O	|	|	|	|	4.73
17.583	0.00	0.35	0.729	O	|	|	|	|	4.73
17.667	0.00	0.34	0.727	O	|	|	|	|	4.72
17.750	0.00	0.34	0.725	O	|	|	|	|	4.71
17.833	0.00	0.33	0.722	O	|	|	|	|	4.71
17.917	0.00	0.33	0.720	O	|	|	|	|	4.70
18.000	0.00	0.33	0.718	O	|	|	|	|	4.69
18.083	0.00	0.32	0.715	O	|	|	|	|	4.68
18.167	0.00	0.32	0.713	O	|	|	|	|	4.67
18.250	0.00	0.31	0.711	O	|	|	|	|	4.66
18.333	0.00	0.31	0.709	O	|	|	|	|	4.66
18.417	0.00	0.30	0.707	O	|	|	|	|	4.65
18.500	0.00	0.30	0.705	O	|	|	|	|	4.64
18.583	0.00	0.30	0.703	O	|	|	|	|	4.63
18.667	0.00	0.29	0.701	O	|	|	|	|	4.62
18.750	0.00	0.29	0.699	O	|	|	|	|	4.61
18.833	0.00	0.28	0.697	O	|	|	|	|	4.61
18.917	0.00	0.28	0.695	O	|	|	|	|	4.60
19.000	0.00	0.28	0.693	O	|	|	|	|	4.59
19.083	0.00	0.27	0.691	O	|	|	|	|	4.58
19.167	0.00	0.27	0.689	O	|	|	|	|	4.58
19.250	0.00	0.26	0.687	O	|	|	|	|	4.57
19.333	0.00	0.26	0.686	O	|	|	|	|	4.56
19.417	0.00	0.26	0.684	O	|	|	|	|	4.55
19.500	0.00	0.25	0.682	O	|	|	|	|	4.55
19.583	0.00	0.25	0.680	O	|	|	|	|	4.54
19.667	0.00	0.25	0.679	O	|	|	|	|	4.53
19.750	0.00	0.24	0.677	O	|	|	|	|	4.53
19.833	0.00	0.24	0.675	O	|	|	|	|	4.52
19.917	0.00	0.24	0.674	O	|	|	|	|	4.51
20.000	0.00	0.23	0.672	O	|	|	|	|	4.51
20.083	0.00	0.23	0.670	O	|	|	|	|	4.50
20.167	0.00	0.23	0.669	O	|	|	|	|	4.49
20.250	0.00	0.22	0.667	O	|	|	|	|	4.49
20.333	0.00	0.22	0.666	O	|	|	|	|	4.48
20.417	0.00	0.22	0.664	O	|	|	|	|	4.48
20.500	0.00	0.22	0.663	O	|	|	|	|	4.47
20.583	0.00	0.21	0.661	O	|	|	|	|	4.46
20.667	0.00	0.21	0.660	O	|	|	|	|	4.46
20.750	0.00	0.21	0.658	O	|	|	|	|	4.45
20.833	0.00	0.20	0.657	O	|	|	|	|	4.45
20.917	0.00	0.20	0.655	O	|	|	|	|	4.44
21.000	0.00	0.20	0.654	O	|	|	|	|	4.44
21.083	0.00	0.20	0.653	O	|	|	|	|	4.43
21.167	0.00	0.19	0.651	O	|	|	|	|	4.43
21.250	0.00	0.19	0.650	O	|	|	|	|	4.42
21.333	0.00	0.19	0.649	O	|	|	|	|	4.42
21.417	0.00	0.18	0.647	O	|	|	|	|	4.41
21.500	0.00	0.18	0.646	O	|	|	|	|	4.40
21.583	0.00	0.18	0.645	O	|	|	|	|	4.40
21.667	0.00	0.18	0.644	O	|	|	|	|	4.40
21.750	0.00	0.18	0.643	O	|	|	|	|	4.39
21.833	0.00	0.17	0.641	O	|	|	|	|	4.39
21.917	0.00	0.17	0.640	O	|	|	|	|	4.38
22.000	0.00	0.17	0.639	O	|	|	|	|	4.38

22.083	0.00	0.17	0.638	O	|	|	|	|	4.37
22.167	0.00	0.16	0.637	O	|	|	|	|	4.37
22.250	0.00	0.16	0.636	O	|	|	|	|	4.36
22.333	0.00	0.16	0.634	O	|	|	|	|	4.36
22.417	0.00	0.16	0.633	O	|	|	|	|	4.35
22.500	0.00	0.15	0.632	O	|	|	|	|	4.35
22.583	0.00	0.15	0.631	O	|	|	|	|	4.35
22.667	0.00	0.15	0.630	O	|	|	|	|	4.34
22.750	0.00	0.15	0.629	O	|	|	|	|	4.34
22.833	0.00	0.15	0.628	O	|	|	|	|	4.33
22.917	0.00	0.14	0.627	O	|	|	|	|	4.33
23.000	0.00	0.14	0.626	O	|	|	|	|	4.32
23.083	0.00	0.14	0.625	O	|	|	|	|	4.32
23.167	0.00	0.14	0.624	O	|	|	|	|	4.32
23.250	0.00	0.14	0.623	O	|	|	|	|	4.31
23.333	0.00	0.13	0.622	O	|	|	|	|	4.31
23.417	0.00	0.13	0.621	O	|	|	|	|	4.31
23.500	0.00	0.13	0.621	O	|	|	|	|	4.30
23.583	0.00	0.13	0.620	O	|	|	|	|	4.30
23.667	0.00	0.13	0.619	O	|	|	|	|	4.30
23.750	0.00	0.13	0.618	O	|	|	|	|	4.29
23.833	0.00	0.13	0.617	O	|	|	|	|	4.29
23.917	0.00	0.13	0.616	O	|	|	|	|	4.29
24.000	0.00	0.13	0.615	O	|	|	|	|	4.29
24.083	0.00	0.13	0.614	O	|	|	|	|	4.28
24.167	0.00	0.13	0.613	O	|	|	|	|	4.28
24.250	0.00	0.13	0.612	O	|	|	|	|	4.28
24.333	0.00	0.13	0.612	O	|	|	|	|	4.28
24.417	0.00	0.13	0.611	O	|	|	|	|	4.27
24.500	0.00	0.13	0.610	O	|	|	|	|	4.27
24.583	0.00	0.13	0.609	O	|	|	|	|	4.27
24.667	0.00	0.13	0.608	O	|	|	|	|	4.27
24.750	0.00	0.13	0.607	O	|	|	|	|	4.26
24.833	0.00	0.13	0.606	O	|	|	|	|	4.26
24.917	0.00	0.13	0.605	O	|	|	|	|	4.26
25.000	0.00	0.13	0.604	O	|	|	|	|	4.26
25.083	0.00	0.13	0.604	O	|	|	|	|	4.26
25.167	0.00	0.13	0.603	O	|	|	|	|	4.25
25.250	0.00	0.13	0.602	O	|	|	|	|	4.25
25.333	0.00	0.13	0.601	O	|	|	|	|	4.25
25.417	0.00	0.13	0.600	O	|	|	|	|	4.25
25.500	0.00	0.13	0.599	O	|	|	|	|	4.24
25.583	0.00	0.13	0.598	O	|	|	|	|	4.24
25.667	0.00	0.13	0.597	O	|	|	|	|	4.24
25.750	0.00	0.13	0.596	O	|	|	|	|	4.24
25.833	0.00	0.13	0.595	O	|	|	|	|	4.23
25.917	0.00	0.13	0.595	O	|	|	|	|	4.23
26.000	0.00	0.13	0.594	O	|	|	|	|	4.23
26.083	0.00	0.13	0.593	O	|	|	|	|	4.23
26.167	0.00	0.13	0.592	O	|	|	|	|	4.22
26.250	0.00	0.13	0.591	O	|	|	|	|	4.22
26.333	0.00	0.13	0.590	O	|	|	|	|	4.22
26.417	0.00	0.13	0.589	O	|	|	|	|	4.22
26.500	0.00	0.13	0.588	O	|	|	|	|	4.21
26.583	0.00	0.13	0.587	O	|	|	|	|	4.21
26.667	0.00	0.13	0.587	O	|	|	|	|	4.21
26.750	0.00	0.13	0.586	O	|	|	|	|	4.21
26.833	0.00	0.13	0.585	O	|	|	|	|	4.20
26.917	0.00	0.13	0.584	O	|	|	|	|	4.20
27.000	0.00	0.13	0.583	O	|	|	|	|	4.20
27.083	0.00	0.13	0.582	O	|	|	|	|	4.20
27.167	0.00	0.13	0.581	O	|	|	|	|	4.19
27.250	0.00	0.13	0.580	O	|	|	|	|	4.19
27.333	0.00	0.13	0.579	O	|	|	|	|	4.19
27.417	0.00	0.13	0.578	O	|	|	|	|	4.19
27.500	0.00	0.13	0.578	O	|	|	|	|	4.18
27.583	0.00	0.13	0.577	O	|	|	|	|	4.18
27.667	0.00	0.13	0.576	O	|	|	|	|	4.18

27.750	0.00	0.13	0.575	O	|	|	|	|	4.18
27.833	0.00	0.13	0.574	O	|	|	|	|	4.17
27.917	0.00	0.13	0.573	O	|	|	|	|	4.17
28.000	0.00	0.13	0.572	O	|	|	|	|	4.17
28.083	0.00	0.13	0.571	O	|	|	|	|	4.17
28.167	0.00	0.13	0.570	O	|	|	|	|	4.16
28.250	0.00	0.13	0.570	O	|	|	|	|	4.16
28.333	0.00	0.13	0.569	O	|	|	|	|	4.16
28.417	0.00	0.13	0.568	O	|	|	|	|	4.16
28.500	0.00	0.13	0.567	O	|	|	|	|	4.15
28.583	0.00	0.13	0.566	O	|	|	|	|	4.15
28.667	0.00	0.13	0.565	O	|	|	|	|	4.15
28.750	0.00	0.13	0.564	O	|	|	|	|	4.15
28.833	0.00	0.13	0.563	O	|	|	|	|	4.15
28.917	0.00	0.13	0.562	O	|	|	|	|	4.14
29.000	0.00	0.13	0.561	O	|	|	|	|	4.14
29.083	0.00	0.13	0.561	O	|	|	|	|	4.14
29.167	0.00	0.13	0.560	O	|	|	|	|	4.14
29.250	0.00	0.13	0.559	O	|	|	|	|	4.13
29.333	0.00	0.13	0.558	O	|	|	|	|	4.13
29.417	0.00	0.13	0.557	O	|	|	|	|	4.13
29.500	0.00	0.13	0.556	O	|	|	|	|	4.13
29.583	0.00	0.13	0.555	O	|	|	|	|	4.12
29.667	0.00	0.13	0.554	O	|	|	|	|	4.12
29.750	0.00	0.13	0.553	O	|	|	|	|	4.12
29.833	0.00	0.13	0.553	O	|	|	|	|	4.12
29.917	0.00	0.13	0.552	O	|	|	|	|	4.11
30.000	0.00	0.13	0.551	O	|	|	|	|	4.11
30.083	0.00	0.13	0.550	O	|	|	|	|	4.11
30.167	0.00	0.13	0.549	O	|	|	|	|	4.11
30.250	0.00	0.13	0.548	O	|	|	|	|	4.10
30.333	0.00	0.13	0.547	O	|	|	|	|	4.10
30.417	0.00	0.13	0.546	O	|	|	|	|	4.10
30.500	0.00	0.13	0.545	O	|	|	|	|	4.10
30.583	0.00	0.13	0.544	O	|	|	|	|	4.09
30.667	0.00	0.13	0.544	O	|	|	|	|	4.09
30.750	0.00	0.13	0.543	O	|	|	|	|	4.09
30.833	0.00	0.13	0.542	O	|	|	|	|	4.09
30.917	0.00	0.13	0.541	O	|	|	|	|	4.08
31.000	0.00	0.13	0.540	O	|	|	|	|	4.08
31.083	0.00	0.13	0.539	O	|	|	|	|	4.08
31.167	0.00	0.13	0.538	O	|	|	|	|	4.08
31.250	0.00	0.13	0.537	O	|	|	|	|	4.07
31.333	0.00	0.13	0.536	O	|	|	|	|	4.07
31.417	0.00	0.13	0.535	O	|	|	|	|	4.07
31.500	0.00	0.13	0.535	O	|	|	|	|	4.07
31.583	0.00	0.13	0.534	O	|	|	|	|	4.06
31.667	0.00	0.13	0.533	O	|	|	|	|	4.06
31.750	0.00	0.13	0.532	O	|	|	|	|	4.06
31.833	0.00	0.13	0.531	O	|	|	|	|	4.06
31.917	0.00	0.13	0.530	O	|	|	|	|	4.05
32.000	0.00	0.13	0.529	O	|	|	|	|	4.05
32.083	0.00	0.13	0.528	O	|	|	|	|	4.05
32.167	0.00	0.13	0.527	O	|	|	|	|	4.05
32.250	0.00	0.13	0.527	O	|	|	|	|	4.05
32.333	0.00	0.13	0.526	O	|	|	|	|	4.04
32.417	0.00	0.13	0.525	O	|	|	|	|	4.04
32.500	0.00	0.13	0.524	O	|	|	|	|	4.04
32.583	0.00	0.13	0.523	O	|	|	|	|	4.04
32.667	0.00	0.13	0.522	O	|	|	|	|	4.03
32.750	0.00	0.13	0.521	O	|	|	|	|	4.03
32.833	0.00	0.13	0.520	O	|	|	|	|	4.03
32.917	0.00	0.13	0.519	O	|	|	|	|	4.03
33.000	0.00	0.13	0.518	O	|	|	|	|	4.02
33.083	0.00	0.13	0.518	O	|	|	|	|	4.02
33.167	0.00	0.13	0.517	O	|	|	|	|	4.02
33.250	0.00	0.13	0.516	O	|	|	|	|	4.02
33.333	0.00	0.13	0.515	O	|	|	|	|	4.01

33.417	0.00	0.13	0.514	O	|	|	|	|	4.01
33.500	0.00	0.13	0.513	O	|	|	|	|	4.01
33.583	0.00	0.13	0.512	O	|	|	|	|	4.01
33.667	0.00	0.13	0.511	O	|	|	|	|	4.00
33.750	0.00	0.13	0.510	O	|	|	|	|	4.00
33.833	0.00	0.13	0.510	O	|	|	|	|	4.00
33.917	0.00	0.13	0.509	O	|	|	|	|	4.00
34.000	0.00	0.13	0.508	O	|	|	|	|	3.99
34.083	0.00	0.13	0.507	O	|	|	|	|	3.99
34.167	0.00	0.13	0.506	O	|	|	|	|	3.99
34.250	0.00	0.13	0.505	O	|	|	|	|	3.98
34.333	0.00	0.13	0.504	O	|	|	|	|	3.98
34.417	0.00	0.13	0.503	O	|	|	|	|	3.98
34.500	0.00	0.13	0.502	O	|	|	|	|	3.97
34.583	0.00	0.13	0.501	O	|	|	|	|	3.97
34.667	0.00	0.13	0.501	O	|	|	|	|	3.97
34.750	0.00	0.13	0.500	O	|	|	|	|	3.97
34.833	0.00	0.13	0.499	O	|	|	|	|	3.96
34.917	0.00	0.13	0.498	O	|	|	|	|	3.96
35.000	0.00	0.13	0.497	O	|	|	|	|	3.96
35.083	0.00	0.13	0.496	O	|	|	|	|	3.95
35.167	0.00	0.13	0.495	O	|	|	|	|	3.95
35.250	0.00	0.13	0.494	O	|	|	|	|	3.95
35.333	0.00	0.13	0.493	O	|	|	|	|	3.94
35.417	0.00	0.13	0.493	O	|	|	|	|	3.94
35.500	0.00	0.13	0.492	O	|	|	|	|	3.94
35.583	0.00	0.13	0.491	O	|	|	|	|	3.94
35.667	0.00	0.13	0.490	O	|	|	|	|	3.93
35.750	0.00	0.13	0.489	O	|	|	|	|	3.93
35.833	0.00	0.13	0.488	O	|	|	|	|	3.93
35.917	0.00	0.13	0.487	O	|	|	|	|	3.92
36.000	0.00	0.13	0.486	O	|	|	|	|	3.92
36.083	0.00	0.13	0.485	O	|	|	|	|	3.92
36.167	0.00	0.13	0.484	O	|	|	|	|	3.91
36.250	0.00	0.13	0.484	O	|	|	|	|	3.91
36.333	0.00	0.13	0.483	O	|	|	|	|	3.91
36.417	0.00	0.13	0.482	O	|	|	|	|	3.91
36.500	0.00	0.13	0.481	O	|	|	|	|	3.90
36.583	0.00	0.13	0.480	O	|	|	|	|	3.90
36.667	0.00	0.13	0.479	O	|	|	|	|	3.90
36.750	0.00	0.13	0.478	O	|	|	|	|	3.89
36.833	0.00	0.13	0.477	O	|	|	|	|	3.89
36.917	0.00	0.13	0.476	O	|	|	|	|	3.89
37.000	0.00	0.13	0.476	O	|	|	|	|	3.89
37.083	0.00	0.13	0.475	O	|	|	|	|	3.88
37.167	0.00	0.13	0.474	O	|	|	|	|	3.88
37.250	0.00	0.13	0.473	O	|	|	|	|	3.88
37.333	0.00	0.13	0.472	O	|	|	|	|	3.87
37.417	0.00	0.13	0.471	O	|	|	|	|	3.87
37.500	0.00	0.13	0.470	O	|	|	|	|	3.87
37.583	0.00	0.13	0.469	O	|	|	|	|	3.86
37.667	0.00	0.13	0.468	O	|	|	|	|	3.86
37.750	0.00	0.13	0.467	O	|	|	|	|	3.86
37.833	0.00	0.13	0.467	O	|	|	|	|	3.86
37.917	0.00	0.13	0.466	O	|	|	|	|	3.85
38.000	0.00	0.13	0.465	O	|	|	|	|	3.85
38.083	0.00	0.13	0.464	O	|	|	|	|	3.85
38.167	0.00	0.13	0.463	O	|	|	|	|	3.84
38.250	0.00	0.13	0.462	O	|	|	|	|	3.84
38.333	0.00	0.13	0.461	O	|	|	|	|	3.84
38.417	0.00	0.13	0.460	O	|	|	|	|	3.83
38.500	0.00	0.13	0.459	O	|	|	|	|	3.83
38.583	0.00	0.13	0.458	O	|	|	|	|	3.83
38.667	0.00	0.13	0.458	O	|	|	|	|	3.83
38.750	0.00	0.13	0.457	O	|	|	|	|	3.82
38.833	0.00	0.13	0.456	O	|	|	|	|	3.82
38.917	0.00	0.13	0.455	O	|	|	|	|	3.82
39.000	0.00	0.13	0.454	O	|	|	|	|	3.81

39.083	0.00	0.13	0.453	O	|	|	|	|	3.81
39.167	0.00	0.13	0.452	O	|	|	|	|	3.81
39.250	0.00	0.13	0.451	O	|	|	|	|	3.80
39.333	0.00	0.13	0.450	O	|	|	|	|	3.80
39.417	0.00	0.13	0.450	O	|	|	|	|	3.80
39.500	0.00	0.13	0.449	O	|	|	|	|	3.80
39.583	0.00	0.13	0.448	O	|	|	|	|	3.79
39.667	0.00	0.13	0.447	O	|	|	|	|	3.79
39.750	0.00	0.13	0.446	O	|	|	|	|	3.79
39.833	0.00	0.13	0.445	O	|	|	|	|	3.78
39.917	0.00	0.13	0.444	O	|	|	|	|	3.78
40.000	0.00	0.13	0.443	O	|	|	|	|	3.78
40.083	0.00	0.13	0.442	O	|	|	|	|	3.77
40.167	0.00	0.13	0.441	O	|	|	|	|	3.77
40.250	0.00	0.13	0.441	O	|	|	|	|	3.77
40.333	0.00	0.13	0.440	O	|	|	|	|	3.77
40.417	0.00	0.13	0.439	O	|	|	|	|	3.76
40.500	0.00	0.13	0.438	O	|	|	|	|	3.76
40.583	0.00	0.13	0.437	O	|	|	|	|	3.76
40.667	0.00	0.13	0.436	O	|	|	|	|	3.75
40.750	0.00	0.13	0.435	O	|	|	|	|	3.75
40.833	0.00	0.13	0.434	O	|	|	|	|	3.75
40.917	0.00	0.13	0.433	O	|	|	|	|	3.74
41.000	0.00	0.13	0.433	O	|	|	|	|	3.74
41.083	0.00	0.13	0.432	O	|	|	|	|	3.74
41.167	0.00	0.13	0.431	O	|	|	|	|	3.74
41.250	0.00	0.13	0.430	O	|	|	|	|	3.73
41.333	0.00	0.13	0.429	O	|	|	|	|	3.73
41.417	0.00	0.13	0.428	O	|	|	|	|	3.73
41.500	0.00	0.13	0.427	O	|	|	|	|	3.72
41.583	0.00	0.13	0.426	O	|	|	|	|	3.72
41.667	0.00	0.13	0.425	O	|	|	|	|	3.72
41.750	0.00	0.13	0.424	O	|	|	|	|	3.71
41.833	0.00	0.13	0.424	O	|	|	|	|	3.71
41.917	0.00	0.13	0.423	O	|	|	|	|	3.71
42.000	0.00	0.13	0.422	O	|	|	|	|	3.71
42.083	0.00	0.13	0.421	O	|	|	|	|	3.70
42.167	0.00	0.13	0.420	O	|	|	|	|	3.70
42.250	0.00	0.13	0.419	O	|	|	|	|	3.70
42.333	0.00	0.13	0.418	O	|	|	|	|	3.69
42.417	0.00	0.13	0.417	O	|	|	|	|	3.69
42.500	0.00	0.13	0.416	O	|	|	|	|	3.69
42.583	0.00	0.13	0.416	O	|	|	|	|	3.68
42.667	0.00	0.13	0.415	O	|	|	|	|	3.68
42.750	0.00	0.13	0.414	O	|	|	|	|	3.67
42.833	0.00	0.13	0.413	O	|	|	|	|	3.67
42.917	0.00	0.13	0.412	O	|	|	|	|	3.67
43.000	0.00	0.13	0.411	O	|	|	|	|	3.66
43.083	0.00	0.13	0.410	O	|	|	|	|	3.66
43.167	0.00	0.13	0.409	O	|	|	|	|	3.66
43.250	0.00	0.13	0.408	O	|	|	|	|	3.65
43.333	0.00	0.13	0.407	O	|	|	|	|	3.65
43.417	0.00	0.13	0.407	O	|	|	|	|	3.65
43.500	0.00	0.13	0.406	O	|	|	|	|	3.64
43.583	0.00	0.13	0.405	O	|	|	|	|	3.64
43.667	0.00	0.13	0.404	O	|	|	|	|	3.64
43.750	0.00	0.13	0.403	O	|	|	|	|	3.63
43.833	0.00	0.13	0.402	O	|	|	|	|	3.63
43.917	0.00	0.13	0.401	O	|	|	|	|	3.62
44.000	0.00	0.13	0.400	O	|	|	|	|	3.62
44.083	0.00	0.13	0.399	O	|	|	|	|	3.62
44.167	0.00	0.13	0.399	O	|	|	|	|	3.61
44.250	0.00	0.13	0.398	O	|	|	|	|	3.61
44.333	0.00	0.13	0.397	O	|	|	|	|	3.61
44.417	0.00	0.13	0.396	O	|	|	|	|	3.60
44.500	0.00	0.13	0.395	O	|	|	|	|	3.60
44.583	0.00	0.13	0.394	O	|	|	|	|	3.60
44.667	0.00	0.13	0.393	O	|	|	|	|	3.59

44.750	0.00	0.13	0.392	O	|	|	|	|	3.59
44.833	0.00	0.13	0.391	O	|	|	|	|	3.59
44.917	0.00	0.13	0.390	O	|	|	|	|	3.58
45.000	0.00	0.13	0.390	O	|	|	|	|	3.58
45.083	0.00	0.13	0.389	O	|	|	|	|	3.57
45.167	0.00	0.13	0.388	O	|	|	|	|	3.57
45.250	0.00	0.13	0.387	O	|	|	|	|	3.57
45.333	0.00	0.13	0.386	O	|	|	|	|	3.56
45.417	0.00	0.13	0.385	O	|	|	|	|	3.56
45.500	0.00	0.13	0.384	O	|	|	|	|	3.56
45.583	0.00	0.13	0.383	O	|	|	|	|	3.55
45.667	0.00	0.13	0.382	O	|	|	|	|	3.55
45.750	0.00	0.13	0.381	O	|	|	|	|	3.55
45.833	0.00	0.13	0.381	O	|	|	|	|	3.54
45.917	0.00	0.13	0.380	O	|	|	|	|	3.54
46.000	0.00	0.13	0.379	O	|	|	|	|	3.54
46.083	0.00	0.13	0.378	O	|	|	|	|	3.53
46.167	0.00	0.13	0.377	O	|	|	|	|	3.53
46.250	0.00	0.13	0.376	O	|	|	|	|	3.52
46.333	0.00	0.13	0.375	O	|	|	|	|	3.52
46.417	0.00	0.13	0.374	O	|	|	|	|	3.52
46.500	0.00	0.13	0.373	O	|	|	|	|	3.51
46.583	0.00	0.13	0.373	O	|	|	|	|	3.51
46.667	0.00	0.13	0.372	O	|	|	|	|	3.51
46.750	0.00	0.13	0.371	O	|	|	|	|	3.50
46.833	0.00	0.13	0.370	O	|	|	|	|	3.50
46.917	0.00	0.13	0.369	O	|	|	|	|	3.50
47.000	0.00	0.13	0.368	O	|	|	|	|	3.49
47.083	0.00	0.13	0.367	O	|	|	|	|	3.49
47.167	0.00	0.13	0.366	O	|	|	|	|	3.49
47.250	0.00	0.13	0.365	O	|	|	|	|	3.48
47.333	0.00	0.13	0.364	O	|	|	|	|	3.48
47.417	0.00	0.13	0.364	O	|	|	|	|	3.47
47.500	0.00	0.13	0.363	O	|	|	|	|	3.47
47.583	0.00	0.13	0.362	O	|	|	|	|	3.47
47.667	0.00	0.13	0.361	O	|	|	|	|	3.46
47.750	0.00	0.13	0.360	O	|	|	|	|	3.46
47.833	0.00	0.13	0.359	O	|	|	|	|	3.46
47.917	0.00	0.13	0.358	O	|	|	|	|	3.45
48.000	0.00	0.13	0.357	O	|	|	|	|	3.45
48.083	0.00	0.13	0.356	O	|	|	|	|	3.45
48.167	0.00	0.13	0.356	O	|	|	|	|	3.44
48.250	0.00	0.13	0.355	O	|	|	|	|	3.44
48.333	0.00	0.13	0.354	O	|	|	|	|	3.43
48.417	0.00	0.13	0.353	O	|	|	|	|	3.43
48.500	0.00	0.13	0.352	O	|	|	|	|	3.43
48.583	0.00	0.13	0.351	O	|	|	|	|	3.42
48.667	0.00	0.13	0.350	O	|	|	|	|	3.42
48.750	0.00	0.13	0.349	O	|	|	|	|	3.42
48.833	0.00	0.13	0.348	O	|	|	|	|	3.41
48.917	0.00	0.13	0.347	O	|	|	|	|	3.41
49.000	0.00	0.13	0.347	O	|	|	|	|	3.41
49.083	0.00	0.13	0.346	O	|	|	|	|	3.40
49.167	0.00	0.13	0.345	O	|	|	|	|	3.40
49.250	0.00	0.13	0.344	O	|	|	|	|	3.40
49.333	0.00	0.13	0.343	O	|	|	|	|	3.39
49.417	0.00	0.13	0.342	O	|	|	|	|	3.39
49.500	0.00	0.13	0.341	O	|	|	|	|	3.38
49.583	0.00	0.13	0.340	O	|	|	|	|	3.38
49.667	0.00	0.13	0.339	O	|	|	|	|	3.38
49.750	0.00	0.13	0.339	O	|	|	|	|	3.37
49.833	0.00	0.13	0.338	O	|	|	|	|	3.37
49.917	0.00	0.13	0.337	O	|	|	|	|	3.37
50.000	0.00	0.13	0.336	O	|	|	|	|	3.36
50.083	0.00	0.13	0.335	O	|	|	|	|	3.36
50.167	0.00	0.13	0.334	O	|	|	|	|	3.36
50.250	0.00	0.13	0.333	O	|	|	|	|	3.35
50.333	0.00	0.13	0.332	O	|	|	|	|	3.35

50.417	0.00	0.13	0.331	O	|	|	|	|	3.35
50.500	0.00	0.13	0.330	O	|	|	|	|	3.34
50.583	0.00	0.13	0.330	O	|	|	|	|	3.34
50.667	0.00	0.13	0.329	O	|	|	|	|	3.33
50.750	0.00	0.13	0.328	O	|	|	|	|	3.33
50.833	0.00	0.13	0.327	O	|	|	|	|	3.33
50.917	0.00	0.13	0.326	O	|	|	|	|	3.32
51.000	0.00	0.13	0.325	O	|	|	|	|	3.32
51.083	0.00	0.13	0.324	O	|	|	|	|	3.32
51.167	0.00	0.13	0.323	O	|	|	|	|	3.31
51.250	0.00	0.13	0.322	O	|	|	|	|	3.31
51.333	0.00	0.13	0.322	O	|	|	|	|	3.31
51.417	0.00	0.13	0.321	O	|	|	|	|	3.30
51.500	0.00	0.13	0.320	O	|	|	|	|	3.30
51.583	0.00	0.13	0.319	O	|	|	|	|	3.30
51.667	0.00	0.13	0.318	O	|	|	|	|	3.29
51.750	0.00	0.13	0.317	O	|	|	|	|	3.29
51.833	0.00	0.13	0.316	O	|	|	|	|	3.29
51.917	0.00	0.13	0.315	O	|	|	|	|	3.28
52.000	0.00	0.13	0.314	O	|	|	|	|	3.28
52.083	0.00	0.13	0.313	O	|	|	|	|	3.28
52.167	0.00	0.13	0.313	O	|	|	|	|	3.28
52.250	0.00	0.13	0.312	O	|	|	|	|	3.27
52.333	0.00	0.13	0.311	O	|	|	|	|	3.27
52.417	0.00	0.13	0.310	O	|	|	|	|	3.27
52.500	0.00	0.13	0.309	O	|	|	|	|	3.26
52.583	0.00	0.13	0.308	O	|	|	|	|	3.26
52.667	0.00	0.13	0.307	O	|	|	|	|	3.26
52.750	0.00	0.13	0.306	O	|	|	|	|	3.25
52.833	0.00	0.13	0.305	O	|	|	|	|	3.25
52.917	0.00	0.13	0.304	O	|	|	|	|	3.25
53.000	0.00	0.13	0.304	O	|	|	|	|	3.25
53.083	0.00	0.13	0.303	O	|	|	|	|	3.24
53.167	0.00	0.13	0.302	O	|	|	|	|	3.24
53.250	0.00	0.13	0.301	O	|	|	|	|	3.24
53.333	0.00	0.13	0.300	O	|	|	|	|	3.23
53.417	0.00	0.13	0.299	O	|	|	|	|	3.23
53.500	0.00	0.13	0.298	O	|	|	|	|	3.23
53.583	0.00	0.13	0.297	O	|	|	|	|	3.22
53.667	0.00	0.13	0.296	O	|	|	|	|	3.22
53.750	0.00	0.13	0.296	O	|	|	|	|	3.22
53.833	0.00	0.13	0.295	O	|	|	|	|	3.22
53.917	0.00	0.13	0.294	O	|	|	|	|	3.21
54.000	0.00	0.13	0.293	O	|	|	|	|	3.21
54.083	0.00	0.13	0.292	O	|	|	|	|	3.21
54.167	0.00	0.13	0.291	O	|	|	|	|	3.20
54.250	0.00	0.13	0.290	O	|	|	|	|	3.20
54.333	0.00	0.13	0.289	O	|	|	|	|	3.20
54.417	0.00	0.13	0.288	O	|	|	|	|	3.19
54.500	0.00	0.13	0.287	O	|	|	|	|	3.19
54.583	0.00	0.13	0.287	O	|	|	|	|	3.19
54.667	0.00	0.13	0.286	O	|	|	|	|	3.19
54.750	0.00	0.13	0.285	O	|	|	|	|	3.18
54.833	0.00	0.13	0.284	O	|	|	|	|	3.18
54.917	0.00	0.13	0.283	O	|	|	|	|	3.18
55.000	0.00	0.13	0.282	O	|	|	|	|	3.17
55.083	0.00	0.13	0.281	O	|	|	|	|	3.17
55.167	0.00	0.13	0.280	O	|	|	|	|	3.17
55.250	0.00	0.13	0.279	O	|	|	|	|	3.16
55.333	0.00	0.13	0.279	O	|	|	|	|	3.16
55.417	0.00	0.13	0.278	O	|	|	|	|	3.16
55.500	0.00	0.13	0.277	O	|	|	|	|	3.16
55.583	0.00	0.13	0.276	O	|	|	|	|	3.15
55.667	0.00	0.13	0.275	O	|	|	|	|	3.15
55.750	0.00	0.13	0.274	O	|	|	|	|	3.15
55.833	0.00	0.13	0.273	O	|	|	|	|	3.14
55.917	0.00	0.13	0.272	O	|	|	|	|	3.14
56.000	0.00	0.13	0.271	O	|	|	|	|	3.14

56.083	0.00	0.13	0.270	O	|	|	|	|	3.13
56.167	0.00	0.13	0.270	O	|	|	|	|	3.13
56.250	0.00	0.13	0.269	O	|	|	|	|	3.13
56.333	0.00	0.13	0.268	O	|	|	|	|	3.13
56.417	0.00	0.13	0.267	O	|	|	|	|	3.12
56.500	0.00	0.13	0.266	O	|	|	|	|	3.12
56.583	0.00	0.13	0.265	O	|	|	|	|	3.12
56.667	0.00	0.13	0.264	O	|	|	|	|	3.11
56.750	0.00	0.13	0.263	O	|	|	|	|	3.11
56.833	0.00	0.13	0.262	O	|	|	|	|	3.11
56.917	0.00	0.13	0.262	O	|	|	|	|	3.11
57.000	0.00	0.13	0.261	O	|	|	|	|	3.10
57.083	0.00	0.13	0.260	O	|	|	|	|	3.10
57.167	0.00	0.13	0.259	O	|	|	|	|	3.10
57.250	0.00	0.13	0.258	O	|	|	|	|	3.09
57.333	0.00	0.13	0.257	O	|	|	|	|	3.09
57.417	0.00	0.13	0.256	O	|	|	|	|	3.09
57.500	0.00	0.13	0.255	O	|	|	|	|	3.08
57.583	0.00	0.13	0.254	O	|	|	|	|	3.08
57.667	0.00	0.13	0.253	O	|	|	|	|	3.08
57.750	0.00	0.13	0.253	O	|	|	|	|	3.08
57.833	0.00	0.13	0.252	O	|	|	|	|	3.07
57.917	0.00	0.13	0.251	O	|	|	|	|	3.07
58.000	0.00	0.13	0.250	O	|	|	|	|	3.07
58.083	0.00	0.13	0.249	O	|	|	|	|	3.06
58.167	0.00	0.13	0.248	O	|	|	|	|	3.06
58.250	0.00	0.13	0.247	O	|	|	|	|	3.06
58.333	0.00	0.13	0.246	O	|	|	|	|	3.05
58.417	0.00	0.13	0.245	O	|	|	|	|	3.05
58.500	0.00	0.13	0.245	O	|	|	|	|	3.05
58.583	0.00	0.13	0.244	O	|	|	|	|	3.05
58.667	0.00	0.13	0.243	O	|	|	|	|	3.04
58.750	0.00	0.13	0.242	O	|	|	|	|	3.04
58.833	0.00	0.13	0.241	O	|	|	|	|	3.04
58.917	0.00	0.13	0.240	O	|	|	|	|	3.03
59.000	0.00	0.13	0.239	O	|	|	|	|	3.03
59.083	0.00	0.13	0.238	O	|	|	|	|	3.03
59.167	0.00	0.13	0.237	O	|	|	|	|	3.02
59.250	0.00	0.13	0.236	O	|	|	|	|	3.02
59.333	0.00	0.13	0.236	O	|	|	|	|	3.02
59.417	0.00	0.13	0.235	O	|	|	|	|	3.02
59.500	0.00	0.13	0.234	O	|	|	|	|	3.01
59.583	0.00	0.13	0.233	O	|	|	|	|	3.01
59.667	0.00	0.13	0.232	O	|	|	|	|	3.01
59.750	0.00	0.13	0.231	O	|	|	|	|	3.00
59.833	0.00	0.13	0.230	O	|	|	|	|	3.00
59.917	0.00	0.13	0.229	O	|	|	|	|	2.99
60.000	0.00	0.13	0.228	O	|	|	|	|	2.98
60.083	0.00	0.13	0.228	O	|	|	|	|	2.98
60.167	0.00	0.13	0.227	O	|	|	|	|	2.97
60.250	0.00	0.13	0.226	O	|	|	|	|	2.96
60.333	0.00	0.13	0.225	O	|	|	|	|	2.95
60.417	0.00	0.13	0.224	O	|	|	|	|	2.94
60.500	0.00	0.13	0.223	O	|	|	|	|	2.93
60.583	0.00	0.13	0.222	O	|	|	|	|	2.92
60.667	0.00	0.13	0.221	O	|	|	|	|	2.91
60.750	0.00	0.13	0.220	O	|	|	|	|	2.90
60.833	0.00	0.13	0.219	O	|	|	|	|	2.89
60.917	0.00	0.13	0.219	O	|	|	|	|	2.89
61.000	0.00	0.13	0.218	O	|	|	|	|	2.88
61.083	0.00	0.13	0.217	O	|	|	|	|	2.87
61.167	0.00	0.13	0.216	O	|	|	|	|	2.86
61.250	0.00	0.13	0.215	O	|	|	|	|	2.85
61.333	0.00	0.13	0.214	O	|	|	|	|	2.84
61.417	0.00	0.13	0.213	O	|	|	|	|	2.83
61.500	0.00	0.13	0.212	O	|	|	|	|	2.82
61.583	0.00	0.13	0.211	O	|	|	|	|	2.81
61.667	0.00	0.13	0.210	O	|	|	|	|	2.80

61.750	0.00	0.13	0.210	O	|	|	|	|	2.80
61.833	0.00	0.13	0.209	O	|	|	|	|	2.79
61.917	0.00	0.13	0.208	O	|	|	|	|	2.78
62.000	0.00	0.13	0.207	O	|	|	|	|	2.77
62.083	0.00	0.13	0.206	O	|	|	|	|	2.76
62.167	0.00	0.13	0.205	O	|	|	|	|	2.75
62.250	0.00	0.13	0.204	O	|	|	|	|	2.74
62.333	0.00	0.13	0.203	O	|	|	|	|	2.73
62.417	0.00	0.13	0.202	O	|	|	|	|	2.72
62.500	0.00	0.13	0.202	O	|	|	|	|	2.72
62.583	0.00	0.13	0.201	O	|	|	|	|	2.71
62.667	0.00	0.13	0.200	O	|	|	|	|	2.69
62.750	0.00	0.13	0.199	O	|	|	|	|	2.68
62.833	0.00	0.13	0.198	O	|	|	|	|	2.66
62.917	0.00	0.13	0.197	O	|	|	|	|	2.64
63.000	0.00	0.13	0.196	O	|	|	|	|	2.62
63.083	0.00	0.13	0.195	O	|	|	|	|	2.61
63.167	0.00	0.13	0.194	O	|	|	|	|	2.59
63.250	0.00	0.13	0.193	O	|	|	|	|	2.57
63.333	0.00	0.13	0.193	O	|	|	|	|	2.55
63.417	0.00	0.13	0.192	O	|	|	|	|	2.53
63.500	0.00	0.13	0.191	O	|	|	|	|	2.52
63.583	0.00	0.13	0.190	O	|	|	|	|	2.50
63.667	0.00	0.13	0.189	O	|	|	|	|	2.48
63.750	0.00	0.13	0.188	O	|	|	|	|	2.46
63.833	0.00	0.13	0.187	O	|	|	|	|	2.44
63.917	0.00	0.13	0.186	O	|	|	|	|	2.43
64.000	0.00	0.13	0.185	O	|	|	|	|	2.41
64.083	0.00	0.13	0.185	O	|	|	|	|	2.39
64.167	0.00	0.13	0.184	O	|	|	|	|	2.37
64.250	0.00	0.13	0.183	O	|	|	|	|	2.35
64.333	0.00	0.13	0.182	O	|	|	|	|	2.34
64.417	0.00	0.13	0.181	O	|	|	|	|	2.32
64.500	0.00	0.13	0.180	O	|	|	|	|	2.30
64.583	0.00	0.13	0.179	O	|	|	|	|	2.29
64.667	0.00	0.13	0.178	O	|	|	|	|	2.28
64.750	0.00	0.13	0.177	O	|	|	|	|	2.27
64.833	0.00	0.13	0.176	O	|	|	|	|	2.26
64.917	0.00	0.13	0.176	O	|	|	|	|	2.26
65.000	0.00	0.13	0.175	O	|	|	|	|	2.25
65.083	0.00	0.13	0.174	O	|	|	|	|	2.24
65.167	0.00	0.13	0.173	O	|	|	|	|	2.23
65.250	0.00	0.13	0.172	O	|	|	|	|	2.22
65.333	0.00	0.13	0.171	O	|	|	|	|	2.21
65.417	0.00	0.13	0.170	O	|	|	|	|	2.20
65.500	0.00	0.13	0.169	O	|	|	|	|	2.19
65.583	0.00	0.13	0.168	O	|	|	|	|	2.18
65.667	0.00	0.13	0.168	O	|	|	|	|	2.18
65.750	0.00	0.13	0.167	O	|	|	|	|	2.17
65.833	0.00	0.13	0.166	O	|	|	|	|	2.16
65.917	0.00	0.13	0.165	O	|	|	|	|	2.15
66.000	0.00	0.13	0.164	O	|	|	|	|	2.14
66.083	0.00	0.13	0.163	O	|	|	|	|	2.13
66.167	0.00	0.13	0.162	O	|	|	|	|	2.12
66.250	0.00	0.13	0.161	O	|	|	|	|	2.11
66.333	0.00	0.13	0.160	O	|	|	|	|	2.10
66.417	0.00	0.13	0.159	O	|	|	|	|	2.09
66.500	0.00	0.13	0.159	O	|	|	|	|	2.09
66.583	0.00	0.13	0.158	O	|	|	|	|	2.08
66.667	0.00	0.13	0.157	O	|	|	|	|	2.07
66.750	0.00	0.13	0.156	O	|	|	|	|	2.06
66.833	0.00	0.13	0.155	O	|	|	|	|	2.05
66.917	0.00	0.13	0.154	O	|	|	|	|	2.04
67.000	0.00	0.13	0.153	O	|	|	|	|	2.03
67.083	0.00	0.13	0.152	O	|	|	|	|	2.02
67.167	0.00	0.13	0.151	O	|	|	|	|	2.01
67.250	0.00	0.13	0.151	O	|	|	|	|	2.01
67.333	0.00	0.13	0.150	O	|	|	|	|	1.99

67.417	0.00	0.13	0.149	O	|	|	|	|	1.98
67.500	0.00	0.13	0.148	O	|	|	|	|	1.97
67.583	0.00	0.13	0.147	O	|	|	|	|	1.95
67.667	0.00	0.13	0.146	O	|	|	|	|	1.94
67.750	0.00	0.13	0.145	O	|	|	|	|	1.93
67.833	0.00	0.13	0.144	O	|	|	|	|	1.91
67.917	0.00	0.13	0.143	O	|	|	|	|	1.90
68.000	0.00	0.13	0.142	O	|	|	|	|	1.89
68.083	0.00	0.13	0.142	O	|	|	|	|	1.87
68.167	0.00	0.13	0.141	O	|	|	|	|	1.86
68.250	0.00	0.13	0.140	O	|	|	|	|	1.85
68.333	0.00	0.13	0.139	O	|	|	|	|	1.83
68.417	0.00	0.13	0.138	O	|	|	|	|	1.82
68.500	0.00	0.13	0.137	O	|	|	|	|	1.81
68.583	0.00	0.13	0.136	O	|	|	|	|	1.79
68.667	0.00	0.13	0.135	O	|	|	|	|	1.78
68.750	0.00	0.13	0.134	O	|	|	|	|	1.77
68.833	0.00	0.13	0.133	O	|	|	|	|	1.75
68.917	0.00	0.13	0.133	O	|	|	|	|	1.74
69.000	0.00	0.13	0.132	O	|	|	|	|	1.73
69.083	0.00	0.13	0.131	O	|	|	|	|	1.71
69.167	0.00	0.13	0.130	O	|	|	|	|	1.70
69.250	0.00	0.13	0.129	O	|	|	|	|	1.69
69.333	0.00	0.13	0.128	O	|	|	|	|	1.67
69.417	0.00	0.13	0.127	O	|	|	|	|	1.66
69.500	0.00	0.13	0.126	O	|	|	|	|	1.65
69.583	0.00	0.13	0.125	O	|	|	|	|	1.64
69.667	0.00	0.13	0.125	O	|	|	|	|	1.63
69.750	0.00	0.13	0.124	O	|	|	|	|	1.62
69.833	0.00	0.13	0.123	O	|	|	|	|	1.60
69.917	0.00	0.13	0.122	O	|	|	|	|	1.59
70.000	0.00	0.13	0.121	O	|	|	|	|	1.58
70.083	0.00	0.13	0.120	O	|	|	|	|	1.57
70.167	0.00	0.13	0.119	O	|	|	|	|	1.56
70.250	0.00	0.13	0.118	O	|	|	|	|	1.54
70.333	0.00	0.13	0.117	O	|	|	|	|	1.53
70.417	0.00	0.13	0.116	O	|	|	|	|	1.52
70.500	0.00	0.13	0.116	O	|	|	|	|	1.51
70.583	0.00	0.13	0.115	O	|	|	|	|	1.50
70.667	0.00	0.13	0.114	O	|	|	|	|	1.48
70.750	0.00	0.13	0.113	O	|	|	|	|	1.47
70.833	0.00	0.13	0.112	O	|	|	|	|	1.46
70.917	0.00	0.13	0.111	O	|	|	|	|	1.45
71.000	0.00	0.13	0.110	O	|	|	|	|	1.44
71.083	0.00	0.13	0.109	O	|	|	|	|	1.42
71.167	0.00	0.13	0.108	O	|	|	|	|	1.41
71.250	0.00	0.13	0.108	O	|	|	|	|	1.40
71.333	0.00	0.13	0.107	O	|	|	|	|	1.39
71.417	0.00	0.13	0.106	O	|	|	|	|	1.38
71.500	0.00	0.13	0.105	O	|	|	|	|	1.36
71.583	0.00	0.13	0.104	O	|	|	|	|	1.35
71.667	0.00	0.13	0.103	O	|	|	|	|	1.34
71.750	0.00	0.13	0.102	O	|	|	|	|	1.33
71.833	0.00	0.13	0.101	O	|	|	|	|	1.32
71.917	0.00	0.13	0.100	O	|	|	|	|	1.30
72.000	0.00	0.13	0.099	O	|	|	|	|	1.29
72.083	0.00	0.13	0.099	O	|	|	|	|	1.28
72.167	0.00	0.13	0.098	O	|	|	|	|	1.27
72.250	0.00	0.13	0.097	O	|	|	|	|	1.25
72.333	0.00	0.13	0.096	O	|	|	|	|	1.24
72.417	0.00	0.13	0.095	O	|	|	|	|	1.22
72.500	0.00	0.13	0.094	O	|	|	|	|	1.21
72.583	0.00	0.13	0.093	O	|	|	|	|	1.20
72.667	0.00	0.13	0.092	O	|	|	|	|	1.18
72.750	0.00	0.13	0.091	O	|	|	|	|	1.17
72.833	0.00	0.13	0.091	O	|	|	|	|	1.16
72.917	0.00	0.13	0.090	O	|	|	|	|	1.14
73.000	0.00	0.13	0.089	O	|	|	|	|	1.13

73.083	0.00	0.13	0.088	O	|	|	|	|	1.12
73.167	0.00	0.13	0.087	O	|	|	|	|	1.10
73.250	0.00	0.13	0.086	O	|	|	|	|	1.09
73.333	0.00	0.13	0.085	O	|	|	|	|	1.08
73.417	0.00	0.13	0.084	O	|	|	|	|	1.06
73.500	0.00	0.13	0.083	O	|	|	|	|	1.05
73.583	0.00	0.13	0.082	O	|	|	|	|	1.04
73.667	0.00	0.13	0.082	O	|	|	|	|	1.02
73.750	0.00	0.13	0.081	O	|	|	|	|	1.01
73.833	0.00	0.13	0.080	O	|	|	|	|	1.00
73.917	0.00	0.13	0.079	O	|	|	|	|	0.99
74.000	0.00	0.13	0.078	O	|	|	|	|	0.98
74.083	0.00	0.13	0.077	O	|	|	|	|	0.96
74.167	0.00	0.12	0.076	O	|	|	|	|	0.95
74.250	0.00	0.12	0.075	O	|	|	|	|	0.94
74.333	0.00	0.12	0.075	O	|	|	|	|	0.93
74.417	0.00	0.12	0.074	O	|	|	|	|	0.92
74.500	0.00	0.12	0.073	O	|	|	|	|	0.91
74.583	0.00	0.12	0.072	O	|	|	|	|	0.90
74.667	0.00	0.12	0.071	O	|	|	|	|	0.89
74.750	0.00	0.11	0.071	O	|	|	|	|	0.88
74.833	0.00	0.11	0.070	O	|	|	|	|	0.87
74.917	0.00	0.11	0.069	O	|	|	|	|	0.86
75.000	0.00	0.11	0.068	O	|	|	|	|	0.85
75.083	0.00	0.11	0.067	O	|	|	|	|	0.84
75.167	0.00	0.11	0.067	O	|	|	|	|	0.83
75.250	0.00	0.11	0.066	O	|	|	|	|	0.82
75.333	0.00	0.11	0.065	O	|	|	|	|	0.82
75.417	0.00	0.10	0.064	O	|	|	|	|	0.81
75.500	0.00	0.10	0.064	O	|	|	|	|	0.80
75.583	0.00	0.10	0.063	O	|	|	|	|	0.79
75.667	0.00	0.10	0.062	O	|	|	|	|	0.78
75.750	0.00	0.10	0.062	O	|	|	|	|	0.77
75.833	0.00	0.10	0.061	O	|	|	|	|	0.76
75.917	0.00	0.10	0.060	O	|	|	|	|	0.75
76.000	0.00	0.10	0.060	O	|	|	|	|	0.75
76.083	0.00	0.10	0.059	O	|	|	|	|	0.74
76.167	0.00	0.09	0.058	O	|	|	|	|	0.73
76.250	0.00	0.09	0.058	O	|	|	|	|	0.72
76.333	0.00	0.09	0.057	O	|	|	|	|	0.71
76.417	0.00	0.09	0.056	O	|	|	|	|	0.70
76.500	0.00	0.09	0.056	O	|	|	|	|	0.70
76.583	0.00	0.09	0.055	O	|	|	|	|	0.69
76.667	0.00	0.09	0.055	O	|	|	|	|	0.68
76.750	0.00	0.09	0.054	O	|	|	|	|	0.67
76.833	0.00	0.09	0.053	O	|	|	|	|	0.67
76.917	0.00	0.09	0.053	O	|	|	|	|	0.66
77.000	0.00	0.08	0.052	O	|	|	|	|	0.65
77.083	0.00	0.08	0.052	O	|	|	|	|	0.64
77.167	0.00	0.08	0.051	O	|	|	|	|	0.64
77.250	0.00	0.08	0.050	O	|	|	|	|	0.63
77.333	0.00	0.08	0.050	O	|	|	|	|	0.62
77.417	0.00	0.08	0.049	O	|	|	|	|	0.62
77.500	0.00	0.08	0.049	O	|	|	|	|	0.61
77.583	0.00	0.08	0.048	O	|	|	|	|	0.60
77.667	0.00	0.08	0.048	O	|	|	|	|	0.60
77.750	0.00	0.08	0.047	O	|	|	|	|	0.59
77.833	0.00	0.08	0.047	O	|	|	|	|	0.58
77.917	0.00	0.07	0.046	O	|	|	|	|	0.58
78.000	0.00	0.07	0.046	O	|	|	|	|	0.57
78.083	0.00	0.07	0.045	O	|	|	|	|	0.56
78.167	0.00	0.07	0.045	O	|	|	|	|	0.56
78.250	0.00	0.07	0.044	O	|	|	|	|	0.55
78.333	0.00	0.07	0.044	O	|	|	|	|	0.54
78.417	0.00	0.07	0.043	O	|	|	|	|	0.54
78.500	0.00	0.07	0.043	O	|	|	|	|	0.53
78.583	0.00	0.07	0.042	O	|	|	|	|	0.53
78.667	0.00	0.07	0.042	O	|	|	|	|	0.52

78.750	0.00	0.07	0.041	O	|	|	|	|	0.52
78.833	0.00	0.07	0.041	O	|	|	|	|	0.51
78.917	0.00	0.07	0.040	O	|	|	|	|	0.50
79.000	0.00	0.06	0.040	O	|	|	|	|	0.50
79.083	0.00	0.06	0.039	O	|	|	|	|	0.49
79.167	0.00	0.06	0.039	O	|	|	|	|	0.49
79.250	0.00	0.06	0.039	O	|	|	|	|	0.48
79.333	0.00	0.06	0.038	O	|	|	|	|	0.48
79.417	0.00	0.06	0.038	O	|	|	|	|	0.47
79.500	0.00	0.06	0.037	O	|	|	|	|	0.47
79.583	0.00	0.06	0.037	O	|	|	|	|	0.46
79.667	0.00	0.06	0.036	O	|	|	|	|	0.46
79.750	0.00	0.06	0.036	O	|	|	|	|	0.45
79.833	0.00	0.06	0.036	O	|	|	|	|	0.45
79.917	0.00	0.06	0.035	O	|	|	|	|	0.44
80.000	0.00	0.06	0.035	O	|	|	|	|	0.44
80.083	0.00	0.06	0.034	O	|	|	|	|	0.43
80.167	0.00	0.06	0.034	O	|	|	|	|	0.43
80.250	0.00	0.05	0.034	O	|	|	|	|	0.42
80.333	0.00	0.05	0.033	O	|	|	|	|	0.42
80.417	0.00	0.05	0.033	O	|	|	|	|	0.41
80.500	0.00	0.05	0.033	O	|	|	|	|	0.41
80.583	0.00	0.05	0.032	O	|	|	|	|	0.40
80.667	0.00	0.05	0.032	O	|	|	|	|	0.40
80.750	0.00	0.05	0.032	O	|	|	|	|	0.39
80.833	0.00	0.05	0.031	O	|	|	|	|	0.39
80.917	0.00	0.05	0.031	O	|	|	|	|	0.39
81.000	0.00	0.05	0.030	O	|	|	|	|	0.38
81.083	0.00	0.05	0.030	O	|	|	|	|	0.38
81.167	0.00	0.05	0.030	O	|	|	|	|	0.37
81.250	0.00	0.05	0.029	O	|	|	|	|	0.37
81.333	0.00	0.05	0.029	O	|	|	|	|	0.36
81.417	0.00	0.05	0.029	O	|	|	|	|	0.36
81.500	0.00	0.05	0.028	O	|	|	|	|	0.36
81.583	0.00	0.05	0.028	O	|	|	|	|	0.35
81.667	0.00	0.05	0.028	O	|	|	|	|	0.35
81.750	0.00	0.04	0.028	O	|	|	|	|	0.34
81.833	0.00	0.04	0.027	O	|	|	|	|	0.34
81.917	0.00	0.04	0.027	O	|	|	|	|	0.34
82.000	0.00	0.04	0.027	O	|	|	|	|	0.33
82.083	0.00	0.04	0.026	O	|	|	|	|	0.33
82.167	0.00	0.04	0.026	O	|	|	|	|	0.33
82.250	0.00	0.04	0.026	O	|	|	|	|	0.32
82.333	0.00	0.04	0.025	O	|	|	|	|	0.32
82.417	0.00	0.04	0.025	O	|	|	|	|	0.31
82.500	0.00	0.04	0.025	O	|	|	|	|	0.31
82.583	0.00	0.04	0.025	O	|	|	|	|	0.31
82.667	0.00	0.04	0.024	O	|	|	|	|	0.30
82.750	0.00	0.04	0.024	O	|	|	|	|	0.30
82.833	0.00	0.04	0.024	O	|	|	|	|	0.30
82.917	0.00	0.04	0.024	O	|	|	|	|	0.29
83.000	0.00	0.04	0.023	O	|	|	|	|	0.29
83.083	0.00	0.04	0.023	O	|	|	|	|	0.29
83.167	0.00	0.04	0.023	O	|	|	|	|	0.28
83.250	0.00	0.04	0.023	O	|	|	|	|	0.28
83.333	0.00	0.04	0.022	O	|	|	|	|	0.28
83.417	0.00	0.04	0.022	O	|	|	|	|	0.28
83.500	0.00	0.04	0.022	O	|	|	|	|	0.27
83.583	0.00	0.03	0.022	O	|	|	|	|	0.27
83.667	0.00	0.03	0.021	O	|	|	|	|	0.27
83.750	0.00	0.03	0.021	O	|	|	|	|	0.26
83.833	0.00	0.03	0.021	O	|	|	|	|	0.26
83.917	0.00	0.03	0.021	O	|	|	|	|	0.26
84.000	0.00	0.03	0.020	O	|	|	|	|	0.25
84.083	0.00	0.03	0.020	O	|	|	|	|	0.25
84.167	0.00	0.03	0.020	O	|	|	|	|	0.25
84.250	0.00	0.03	0.020	O	|	|	|	|	0.25
84.333	0.00	0.03	0.019	O	|	|	|	|	0.24

84.417	0.00	0.03	0.019	O	|	|	|	|	0.24
84.500	0.00	0.03	0.019	O	|	|	|	|	0.24
84.583	0.00	0.03	0.019	O	|	|	|	|	0.24
84.667	0.00	0.03	0.019	O	|	|	|	|	0.23
84.750	0.00	0.03	0.018	O	|	|	|	|	0.23
84.833	0.00	0.03	0.018	O	|	|	|	|	0.23
84.917	0.00	0.03	0.018	O	|	|	|	|	0.23
85.000	0.00	0.03	0.018	O	|	|	|	|	0.22
85.083	0.00	0.03	0.018	O	|	|	|	|	0.22
85.167	0.00	0.03	0.017	O	|	|	|	|	0.22
85.250	0.00	0.03	0.017	O	|	|	|	|	0.22
85.333	0.00	0.03	0.017	O	|	|	|	|	0.21
85.417	0.00	0.03	0.017	O	|	|	|	|	0.21
85.500	0.00	0.03	0.017	O	|	|	|	|	0.21
85.583	0.00	0.03	0.016	O	|	|	|	|	0.21
85.667	0.00	0.03	0.016	O	|	|	|	|	0.20
85.750	0.00	0.03	0.016	O	|	|	|	|	0.20
85.833	0.00	0.03	0.016	O	|	|	|	|	0.20
85.917	0.00	0.03	0.016	O	|	|	|	|	0.20
86.000	0.00	0.03	0.016	O	|	|	|	|	0.19
86.083	0.00	0.03	0.015	O	|	|	|	|	0.19
86.167	0.00	0.02	0.015	O	|	|	|	|	0.19
86.250	0.00	0.02	0.015	O	|	|	|	|	0.19
86.333	0.00	0.02	0.015	O	|	|	|	|	0.19
86.417	0.00	0.02	0.015	O	|	|	|	|	0.18
86.500	0.00	0.02	0.015	O	|	|	|	|	0.18
86.583	0.00	0.02	0.014	O	|	|	|	|	0.18
86.667	0.00	0.02	0.014	O	|	|	|	|	0.18
86.750	0.00	0.02	0.014	O	|	|	|	|	0.18
86.833	0.00	0.02	0.014	O	|	|	|	|	0.17
86.917	0.00	0.02	0.014	O	|	|	|	|	0.17
87.000	0.00	0.02	0.014	O	|	|	|	|	0.17
87.083	0.00	0.02	0.013	O	|	|	|	|	0.17
87.167	0.00	0.02	0.013	O	|	|	|	|	0.17
87.250	0.00	0.02	0.013	O	|	|	|	|	0.16
87.333	0.00	0.02	0.013	O	|	|	|	|	0.16
87.417	0.00	0.02	0.013	O	|	|	|	|	0.16
87.500	0.00	0.02	0.013	O	|	|	|	|	0.16
87.583	0.00	0.02	0.013	O	|	|	|	|	0.16
87.667	0.00	0.02	0.012	O	|	|	|	|	0.16
87.750	0.00	0.02	0.012	O	|	|	|	|	0.15
87.833	0.00	0.02	0.012	O	|	|	|	|	0.15
87.917	0.00	0.02	0.012	O	|	|	|	|	0.15
88.000	0.00	0.02	0.012	O	|	|	|	|	0.15
88.083	0.00	0.02	0.012	O	|	|	|	|	0.15
88.167	0.00	0.02	0.012	O	|	|	|	|	0.15
88.250	0.00	0.02	0.012	O	|	|	|	|	0.14
88.333	0.00	0.02	0.011	O	|	|	|	|	0.14
88.417	0.00	0.02	0.011	O	|	|	|	|	0.14
88.500	0.00	0.02	0.011	O	|	|	|	|	0.14
88.583	0.00	0.02	0.011	O	|	|	|	|	0.14
88.667	0.00	0.02	0.011	O	|	|	|	|	0.14
88.750	0.00	0.02	0.011	O	|	|	|	|	0.13
88.833	0.00	0.02	0.011	O	|	|	|	|	0.13
88.917	0.00	0.02	0.011	O	|	|	|	|	0.13
89.000	0.00	0.02	0.010	O	|	|	|	|	0.13
89.083	0.00	0.02	0.010	O	|	|	|	|	0.13
89.167	0.00	0.02	0.010	O	|	|	|	|	0.13
89.250	0.00	0.02	0.010	O	|	|	|	|	0.13
89.333	0.00	0.02	0.010	O	|	|	|	|	0.12
89.417	0.00	0.02	0.010	O	|	|	|	|	0.12
89.500	0.00	0.02	0.010	O	|	|	|	|	0.12
89.583	0.00	0.02	0.010	O	|	|	|	|	0.12
89.667	0.00	0.02	0.010	O	|	|	|	|	0.12
89.750	0.00	0.02	0.009	O	|	|	|	|	0.12
89.833	0.00	0.02	0.009	O	|	|	|	|	0.12
89.917	0.00	0.01	0.009	O	|	|	|	|	0.12
90.000	0.00	0.01	0.009	O	|	|	|	|	0.11

90.083	0.00	0.01	0.009	O	|	|	|	|	0.11
90.167	0.00	0.01	0.009	O	|	|	|	|	0.11
90.250	0.00	0.01	0.009	O	|	|	|	|	0.11
90.333	0.00	0.01	0.009	O	|	|	|	|	0.11
90.417	0.00	0.01	0.009	O	|	|	|	|	0.11
90.500	0.00	0.01	0.009	O	|	|	|	|	0.11
90.583	0.00	0.01	0.008	O	|	|	|	|	0.11
90.667	0.00	0.01	0.008	O	|	|	|	|	0.10
90.750	0.00	0.01	0.008	O	|	|	|	|	0.10
90.833	0.00	0.01	0.008	O	|	|	|	|	0.10
90.917	0.00	0.01	0.008	O	|	|	|	|	0.10
91.000	0.00	0.01	0.008	O	|	|	|	|	0.10
91.083	0.00	0.01	0.008	O	|	|	|	|	0.10
91.167	0.00	0.01	0.008	O	|	|	|	|	0.10
91.250	0.00	0.01	0.008	O	|	|	|	|	0.10
91.333	0.00	0.01	0.008	O	|	|	|	|	0.10
91.417	0.00	0.01	0.008	O	|	|	|	|	0.09
91.500	0.00	0.01	0.007	O	|	|	|	|	0.09
91.583	0.00	0.01	0.007	O	|	|	|	|	0.09
91.667	0.00	0.01	0.007	O	|	|	|	|	0.09
91.750	0.00	0.01	0.007	O	|	|	|	|	0.09
91.833	0.00	0.01	0.007	O	|	|	|	|	0.09
91.917	0.00	0.01	0.007	O	|	|	|	|	0.09
92.000	0.00	0.01	0.007	O	|	|	|	|	0.09
92.083	0.00	0.01	0.007	O	|	|	|	|	0.09
92.167	0.00	0.01	0.007	O	|	|	|	|	0.09
92.250	0.00	0.01	0.007	O	|	|	|	|	0.08
92.333	0.00	0.01	0.007	O	|	|	|	|	0.08
92.417	0.00	0.01	0.007	O	|	|	|	|	0.08
92.500	0.00	0.01	0.007	O	|	|	|	|	0.08
92.583	0.00	0.01	0.006	O	|	|	|	|	0.08
92.667	0.00	0.01	0.006	O	|	|	|	|	0.08
92.750	0.00	0.01	0.006	O	|	|	|	|	0.08
92.833	0.00	0.01	0.006	O	|	|	|	|	0.08
92.917	0.00	0.01	0.006	O	|	|	|	|	0.08
93.000	0.00	0.01	0.006	O	|	|	|	|	0.08
93.083	0.00	0.01	0.006	O	|	|	|	|	0.08
93.167	0.00	0.01	0.006	O	|	|	|	|	0.07
93.250	0.00	0.01	0.006	O	|	|	|	|	0.07
93.333	0.00	0.01	0.006	O	|	|	|	|	0.07
93.417	0.00	0.01	0.006	O	|	|	|	|	0.07
93.500	0.00	0.01	0.006	O	|	|	|	|	0.07
93.583	0.00	0.01	0.006	O	|	|	|	|	0.07
93.667	0.00	0.01	0.006	O	|	|	|	|	0.07
93.750	0.00	0.01	0.005	O	|	|	|	|	0.07
93.833	0.00	0.01	0.005	O	|	|	|	|	0.07
93.917	0.00	0.01	0.005	O	|	|	|	|	0.07
94.000	0.00	0.01	0.005	O	|	|	|	|	0.07
94.083	0.00	0.01	0.005	O	|	|	|	|	0.07
94.167	0.00	0.01	0.005	O	|	|	|	|	0.06
94.250	0.00	0.01	0.005	O	|	|	|	|	0.06
94.333	0.00	0.01	0.005	O	|	|	|	|	0.06
94.417	0.00	0.01	0.005	O	|	|	|	|	0.06
94.500	0.00	0.01	0.005	O	|	|	|	|	0.06
94.583	0.00	0.01	0.005	O	|	|	|	|	0.06
94.667	0.00	0.01	0.005	O	|	|	|	|	0.06
94.750	0.00	0.01	0.005	O	|	|	|	|	0.06
94.833	0.00	0.01	0.005	O	|	|	|	|	0.06
94.917	0.00	0.01	0.005	O	|	|	|	|	0.06
95.000	0.00	0.01	0.005	O	|	|	|	|	0.06
95.083	0.00	0.01	0.005	O	|	|	|	|	0.06
95.167	0.00	0.01	0.005	O	|	|	|	|	0.06
95.250	0.00	0.01	0.004	O	|	|	|	|	0.06
95.333	0.00	0.01	0.004	O	|	|	|	|	0.06
95.417	0.00	0.01	0.004	O	|	|	|	|	0.05
95.500	0.00	0.01	0.004	O	|	|	|	|	0.05
95.583	0.00	0.01	0.004	O	|	|	|	|	0.05
95.667	0.00	0.01	0.004	O	|	|	|	|	0.05

95.750	0.00	0.01	0.004	O	|	|	|	|	0.05
95.833	0.00	0.01	0.004	O	|	|	|	|	0.05
95.917	0.00	0.01	0.004	O	|	|	|	|	0.05
96.000	0.00	0.01	0.004	O	|	|	|	|	0.05
96.083	0.00	0.01	0.004	O	|	|	|	|	0.05
96.167	0.00	0.01	0.004	O	|	|	|	|	0.05
96.250	0.00	0.01	0.004	O	|	|	|	|	0.05
96.333	0.00	0.01	0.004	O	|	|	|	|	0.05
96.417	0.00	0.01	0.004	O	|	|	|	|	0.05
96.500	0.00	0.01	0.004	O	|	|	|	|	0.05
96.583	0.00	0.01	0.004	O	|	|	|	|	0.05
96.667	0.00	0.01	0.004	O	|	|	|	|	0.05
96.750	0.00	0.01	0.004	O	|	|	|	|	0.05
96.833	0.00	0.01	0.004	O	|	|	|	|	0.05
96.917	0.00	0.01	0.004	O	|	|	|	|	0.04
97.000	0.00	0.01	0.004	O	|	|	|	|	0.04
97.083	0.00	0.01	0.004	O	|	|	|	|	0.04
97.167	0.00	0.01	0.003	O	|	|	|	|	0.04
97.250	0.00	0.01	0.003	O	|	|	|	|	0.04
97.333	0.00	0.01	0.003	O	|	|	|	|	0.04
97.417	0.00	0.01	0.003	O	|	|	|	|	0.04
97.500	0.00	0.01	0.003	O	|	|	|	|	0.04
97.583	0.00	0.01	0.003	O	|	|	|	|	0.04
97.667	0.00	0.01	0.003	O	|	|	|	|	0.04
97.750	0.00	0.01	0.003	O	|	|	|	|	0.04
97.833	0.00	0.01	0.003	O	|	|	|	|	0.04
97.917	0.00	0.01	0.003	O	|	|	|	|	0.04
98.000	0.00	0.01	0.003	O	|	|	|	|	0.04
98.083	0.00	0.00	0.003	O	|	|	|	|	0.04
98.167	0.00	0.00	0.003	O	|	|	|	|	0.04
98.250	0.00	0.00	0.003	O	|	|	|	|	0.04
98.333	0.00	0.00	0.003	O	|	|	|	|	0.04
98.417	0.00	0.00	0.003	O	|	|	|	|	0.04
98.500	0.00	0.00	0.003	O	|	|	|	|	0.04
98.583	0.00	0.00	0.003	O	|	|	|	|	0.04
98.667	0.00	0.00	0.003	O	|	|	|	|	0.04
98.750	0.00	0.00	0.003	O	|	|	|	|	0.04
98.833	0.00	0.00	0.003	O	|	|	|	|	0.03
98.917	0.00	0.00	0.003	O	|	|	|	|	0.03
99.000	0.00	0.00	0.003	O	|	|	|	|	0.03
99.083	0.00	0.00	0.003	O	|	|	|	|	0.03
99.167	0.00	0.00	0.003	O	|	|	|	|	0.03
99.250	0.00	0.00	0.003	O	|	|	|	|	0.03
99.333	0.00	0.00	0.003	O	|	|	|	|	0.03
99.417	0.00	0.00	0.003	O	|	|	|	|	0.03
99.500	0.00	0.00	0.003	O	|	|	|	|	0.03
99.583	0.00	0.00	0.003	O	|	|	|	|	0.03
99.667	0.00	0.00	0.002	O	|	|	|	|	0.03
99.750	0.00	0.00	0.002	O	|	|	|	|	0.03
99.833	0.00	0.00	0.002	O	|	|	|	|	0.03
99.917	0.00	0.00	0.002	O	|	|	|	|	0.03
100.000	0.00	0.00	0.002	O	|	|	|	|	0.03
100.083	0.00	0.00	0.002	O	|	|	|	|	0.03
100.167	0.00	0.00	0.002	O	|	|	|	|	0.03
100.250	0.00	0.00	0.002	O	|	|	|	|	0.03
100.333	0.00	0.00	0.002	O	|	|	|	|	0.03
100.417	0.00	0.00	0.002	O	|	|	|	|	0.03
100.500	0.00	0.00	0.002	O	|	|	|	|	0.03
100.583	0.00	0.00	0.002	O	|	|	|	|	0.03
100.667	0.00	0.00	0.002	O	|	|	|	|	0.03
100.750	0.00	0.00	0.002	O	|	|	|	|	0.03
100.833	0.00	0.00	0.002	O	|	|	|	|	0.03
100.917	0.00	0.00	0.002	O	|	|	|	|	0.03
101.000	0.00	0.00	0.002	O	|	|	|	|	0.03
101.083	0.00	0.00	0.002	O	|	|	|	|	0.03
101.167	0.00	0.00	0.002	O	|	|	|	|	0.03
101.250	0.00	0.00	0.002	O	|	|	|	|	0.03
101.333	0.00	0.00	0.002	O	|	|	|	|	0.02

101.417	0.00	0.00	0.002	O	|	|	|	|	0.02
101.500	0.00	0.00	0.002	O	|	|	|	|	0.02
101.583	0.00	0.00	0.002	O	|	|	|	|	0.02
101.667	0.00	0.00	0.002	O	|	|	|	|	0.02
101.750	0.00	0.00	0.002	O	|	|	|	|	0.02
101.833	0.00	0.00	0.002	O	|	|	|	|	0.02
101.917	0.00	0.00	0.002	O	|	|	|	|	0.02
102.000	0.00	0.00	0.002	O	|	|	|	|	0.02
102.083	0.00	0.00	0.002	O	|	|	|	|	0.02
102.167	0.00	0.00	0.002	O	|	|	|	|	0.02
102.250	0.00	0.00	0.002	O	|	|	|	|	0.02
102.333	0.00	0.00	0.002	O	|	|	|	|	0.02
102.417	0.00	0.00	0.002	O	|	|	|	|	0.02
102.500	0.00	0.00	0.002	O	|	|	|	|	0.02
102.583	0.00	0.00	0.002	O	|	|	|	|	0.02
102.667	0.00	0.00	0.002	O	|	|	|	|	0.02
102.750	0.00	0.00	0.002	O	|	|	|	|	0.02
102.833	0.00	0.00	0.002	O	|	|	|	|	0.02
102.917	0.00	0.00	0.002	O	|	|	|	|	0.02
103.000	0.00	0.00	0.002	O	|	|	|	|	0.02
103.083	0.00	0.00	0.002	O	|	|	|	|	0.02
103.167	0.00	0.00	0.002	O	|	|	|	|	0.02
103.250	0.00	0.00	0.002	O	|	|	|	|	0.02
103.333	0.00	0.00	0.002	O	|	|	|	|	0.02
103.417	0.00	0.00	0.002	O	|	|	|	|	0.02
103.500	0.00	0.00	0.001	O	|	|	|	|	0.02
103.583	0.00	0.00	0.001	O	|	|	|	|	0.02
103.667	0.00	0.00	0.001	O	|	|	|	|	0.02
103.750	0.00	0.00	0.001	O	|	|	|	|	0.02
103.833	0.00	0.00	0.001	O	|	|	|	|	0.02
103.917	0.00	0.00	0.001	O	|	|	|	|	0.02
104.000	0.00	0.00	0.001	O	|	|	|	|	0.02
104.083	0.00	0.00	0.001	O	|	|	|	|	0.02
104.167	0.00	0.00	0.001	O	|	|	|	|	0.02
104.250	0.00	0.00	0.001	O	|	|	|	|	0.02
104.333	0.00	0.00	0.001	O	|	|	|	|	0.02
104.417	0.00	0.00	0.001	O	|	|	|	|	0.02
104.500	0.00	0.00	0.001	O	|	|	|	|	0.02
104.583	0.00	0.00	0.001	O	|	|	|	|	0.02
104.667	0.00	0.00	0.001	O	|	|	|	|	0.02
104.750	0.00	0.00	0.001	O	|	|	|	|	0.02
104.833	0.00	0.00	0.001	O	|	|	|	|	0.02
104.917	0.00	0.00	0.001	O	|	|	|	|	0.02
105.000	0.00	0.00	0.001	O	|	|	|	|	0.02
105.083	0.00	0.00	0.001	O	|	|	|	|	0.02
105.167	0.00	0.00	0.001	O	|	|	|	|	0.01
105.250	0.00	0.00	0.001	O	|	|	|	|	0.01
105.333	0.00	0.00	0.001	O	|	|	|	|	0.01
105.417	0.00	0.00	0.001	O	|	|	|	|	0.01
105.500	0.00	0.00	0.001	O	|	|	|	|	0.01
105.583	0.00	0.00	0.001	O	|	|	|	|	0.01
105.667	0.00	0.00	0.001	O	|	|	|	|	0.01
105.750	0.00	0.00	0.001	O	|	|	|	|	0.01
105.833	0.00	0.00	0.001	O	|	|	|	|	0.01
105.917	0.00	0.00	0.001	O	|	|	|	|	0.01
106.000	0.00	0.00	0.001	O	|	|	|	|	0.01
106.083	0.00	0.00	0.001	O	|	|	|	|	0.01
106.167	0.00	0.00	0.001	O	|	|	|	|	0.01
106.250	0.00	0.00	0.001	O	|	|	|	|	0.01
106.333	0.00	0.00	0.001	O	|	|	|	|	0.01
106.417	0.00	0.00	0.001	O	|	|	|	|	0.01
106.500	0.00	0.00	0.001	O	|	|	|	|	0.01
106.583	0.00	0.00	0.001	O	|	|	|	|	0.01
106.667	0.00	0.00	0.001	O	|	|	|	|	0.01
106.750	0.00	0.00	0.001	O	|	|	|	|	0.01
106.833	0.00	0.00	0.001	O	|	|	|	|	0.01
106.917	0.00	0.00	0.001	O	|	|	|	|	0.01
107.000	0.00	0.00	0.001	O	|	|	|	|	0.01

107.083	0.00	0.00	0.001	O	|	|	|	|	0.01
107.167	0.00	0.00	0.001	O	|	|	|	|	0.01
107.250	0.00	0.00	0.001	O	|	|	|	|	0.01
107.333	0.00	0.00	0.001	O	|	|	|	|	0.01
107.417	0.00	0.00	0.001	O	|	|	|	|	0.01
107.500	0.00	0.00	0.001	O	|	|	|	|	0.01
107.583	0.00	0.00	0.001	O	|	|	|	|	0.01
107.667	0.00	0.00	0.001	O	|	|	|	|	0.01
107.750	0.00	0.00	0.001	O	|	|	|	|	0.01
107.833	0.00	0.00	0.001	O	|	|	|	|	0.01
107.917	0.00	0.00	0.001	O	|	|	|	|	0.01
108.000	0.00	0.00	0.001	O	|	|	|	|	0.01
108.083	0.00	0.00	0.001	O	|	|	|	|	0.01
108.167	0.00	0.00	0.001	O	|	|	|	|	0.01
108.250	0.00	0.00	0.001	O	|	|	|	|	0.01
108.333	0.00	0.00	0.001	O	|	|	|	|	0.01
108.417	0.00	0.00	0.001	O	|	|	|	|	0.01
108.500	0.00	0.00	0.001	O	|	|	|	|	0.01
108.583	0.00	0.00	0.001	O	|	|	|	|	0.01
108.667	0.00	0.00	0.001	O	|	|	|	|	0.01
108.750	0.00	0.00	0.001	O	|	|	|	|	0.01
108.833	0.00	0.00	0.001	O	|	|	|	|	0.01
108.917	0.00	0.00	0.001	O	|	|	|	|	0.01
109.000	0.00	0.00	0.001	O	|	|	|	|	0.01
109.083	0.00	0.00	0.001	O	|	|	|	|	0.01
109.167	0.00	0.00	0.001	O	|	|	|	|	0.01
109.250	0.00	0.00	0.001	O	|	|	|	|	0.01
109.333	0.00	0.00	0.001	O	|	|	|	|	0.01
109.417	0.00	0.00	0.001	O	|	|	|	|	0.01
109.500	0.00	0.00	0.001	O	|	|	|	|	0.01
109.583	0.00	0.00	0.001	O	|	|	|	|	0.01
109.667	0.00	0.00	0.001	O	|	|	|	|	0.01
109.750	0.00	0.00	0.001	O	|	|	|	|	0.01
109.833	0.00	0.00	0.001	O	|	|	|	|	0.01
109.917	0.00	0.00	0.001	O	|	|	|	|	0.01
110.000	0.00	0.00	0.001	O	|	|	|	|	0.01
110.083	0.00	0.00	0.001	O	|	|	|	|	0.01

```
      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =  1321
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =       14.596 (CFS)
                  Total volume =       1.829 (Ac.Ft)
            Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
      ***********************************************************************

      ---------------------------------------------------------------------
```

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 03/17/22

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: PROA10310.rte

**********HYDROGRAPH DATA**********

Number of intervals = 40
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 18.669 (CFS)
Total volume = 1.302 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

PROPOSED BASIN ROUTING
10-YEAR 3HR STORM
TT# 38171

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 40
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.080	0.130	0.080	0.080
1.300	0.100	0.130	0.100	0.100
1.700	0.130	0.130	0.130	0.130
2.000	0.150	0.130	0.150	0.150
2.300	0.180	0.130	0.180	0.180
2.700	0.200	0.130	0.200	0.200
3.000	0.230	0.130	0.230	0.230
3.300	0.320	0.130	0.320	0.320
3.700	0.420	0.130	0.420	0.420
4.000	0.510	0.130	0.510	0.510
4.300	0.620	0.130	0.620	0.620
4.700	0.720	0.330	0.719	0.721
5.000	0.830	0.560	0.828	0.832
5.300	0.950	0.710	0.948	0.952
5.700	1.060	0.830	1.057	1.063
6.000	1.190	0.930	1.187	1.193
6.300	1.310	1.010	1.307	1.313
6.700	1.440	1.100	1.436	1.444
7.000	1.570	29.950	1.467	1.673

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 4.7 9.33 14.00 18.67	Depth (Ft.)
0.083	0.78	0.00	0.003	OI	0.03
0.167	1.64	0.02	0.011	O I	0.14
0.250	1.71	0.04	0.022	O I	0.28
0.333	1.89	0.06	0.034	O I	0.43
0.417	2.16	0.08	0.048	O I	0.60
0.500	2.39	0.10	0.063	O I	0.79
0.583	2.43	0.13	0.079	O I	0.98
0.667	2.46	0.13	0.095	O I	1.22
0.750	2.63	0.13	0.111	O I	1.45
0.833	2.49	0.13	0.128	O I	1.67
0.917	2.36	0.13	0.144	O I	1.91
1.000	2.51	0.13	0.160	O I	2.10
1.083	2.88	0.13	0.177	O I	2.27
1.167	3.17	0.13	0.197	O I	2.65
1.250	3.24	0.13	0.219	O I	2.89
1.333	3.15	0.13	0.240	O I	3.03
1.417	3.39	0.13	0.261	O I	3.10
1.500	3.89	0.13	0.286	O I	3.19
1.583	3.86	0.13	0.311	O I	3.27
1.667	3.89	0.13	0.337	O I	3.37
1.750	4.87	0.13	0.366	O I	3.49
1.833	5.49	0.13	0.401	O I	3.62
1.917	5.15	0.13	0.437	O I	3.76
2.000	5.03	0.13	0.471	O I	3.87
2.083	5.24	0.13	0.505	O I	3.98
2.167	6.72	0.13	0.546	O I	4.10
2.250	9.24	0.13	0.600	O I	4.25
2.333	8.83	0.21	0.661	O I	4.46
2.417	11.21	0.35	0.728	O I	4.72
2.500	16.05	0.54	0.819	O I	4.97
2.583	18.67	0.69	0.934	O I	5.26
2.667	17.53	0.82	1.054	O I	5.68
2.750	10.46	0.89	1.144	O I	5.89
2.833	4.89	0.93	1.191	O I	6.00
2.917	3.48	0.95	1.213	O I	6.06
3.000	2.18	0.95	1.226	O I	6.09
3.083	0.81	**0.96**	**1.230**	**O**	**6.10**
3.167	0.24	0.95	1.227	IO	6.09
3.250	0.08	0.95	1.221	IO	6.08
3.333	0.02	0.95	1.215	IO	6.06
3.417	0.00	0.94	1.208	IO	6.05
3.500	0.00	0.94	1.202	IO	6.03
3.583	0.00	0.93	1.196	IO	6.01
3.667	0.00	0.93	1.189	IO	6.00
3.750	0.00	0.92	1.183	IO	5.98
3.833	0.00	0.92	1.176	IO	5.97
3.917	0.00	0.91	1.170	IO	5.95
4.000	0.00	0.91	1.164	IO	5.94
4.083	0.00	0.91	1.158	IO	5.93
4.167	0.00	0.90	1.151	IO	5.91
4.250	0.00	0.90	1.145	IO	5.90
4.333	0.00	0.89	1.139	IO	5.88
4.417	0.00	0.89	1.133	IO	5.87
4.500	0.00	0.88	1.127	IO	5.85
4.583	0.00	0.88	1.121	IO	5.84
4.667	0.00	0.87	1.115	IO	5.83
4.750	0.00	0.87	1.109	IO	5.81
4.833	0.00	0.86	1.103	IO	5.80
4.917	0.00	0.86	1.097	IO	5.78
5.000	0.00	0.85	1.091	IO	5.77

5.083	0.00	0.85	1.085	IO				5.76
5.167	0.00	0.84	1.079	IO				5.74
5.250	0.00	0.84	1.073	IO				5.73
5.333	0.00	0.84	1.068	IO				5.72
5.417	0.00	0.83	1.062	IO				5.70
5.500	0.00	0.83	1.056	IO				5.69
5.583	0.00	0.82	1.051	IO				5.67
5.667	0.00	0.81	1.045	IO				5.65
5.750	0.00	0.81	1.039	IO				5.62
5.833	0.00	0.80	1.034	IO				5.60
5.917	0.00	0.80	1.028	IO				5.58
6.000	0.00	0.79	1.023	IO				5.56
6.083	0.00	0.78	1.017	IO				5.55
6.167	0.00	0.78	1.012	IO				5.53
6.250	0.00	0.77	1.007	IO				5.51
6.333	0.00	0.77	1.001	IO				5.49
6.417	0.00	0.76	0.996	IO				5.47
6.500	0.00	0.75	0.991	IO				5.45
6.583	0.00	0.75	0.986	IO				5.43
6.667	0.00	0.74	0.981	IO				5.41
6.750	0.00	0.74	0.976	IO				5.39
6.833	0.00	0.73	0.970	IO				5.37
6.917	0.00	0.73	0.965	IO				5.36
7.000	0.00	0.72	0.960	IO				5.34
7.083	0.00	0.72	0.956	IO				5.32
7.167	0.00	0.71	0.951	IO				5.30
7.250	0.00	0.70	0.946	IO				5.29
7.333	0.00	0.70	0.941	IO				5.28
7.417	0.00	0.69	0.936	IO				5.27
7.500	0.00	0.69	0.931	IO				5.25
7.583	0.00	0.68	0.927	IO				5.24
7.667	0.00	0.67	0.922	IO				5.23
7.750	0.00	0.67	0.917	IO				5.22
7.833	0.00	0.66	0.913	IO				5.21
7.917	0.00	0.66	0.908	IO				5.20
8.000	0.00	0.65	0.904	IO				5.18
8.083	0.00	0.65	0.899	IO				5.17
8.167	0.00	0.64	0.895	IO				5.16
8.250	0.00	0.64	0.890	IO				5.15
8.333	0.00	0.63	0.886	IO				5.14
8.417	0.00	0.62	0.882	IO				5.13
8.500	0.00	0.62	0.877	IO				5.12
8.583	0.00	0.61	0.873	IO				5.11
8.667	0.00	0.61	0.869	IO				5.10
8.750	0.00	0.60	0.865	IO				5.09
8.833	0.00	0.60	0.861	IO				5.08
8.917	0.00	0.59	0.857	IO				5.07
9.000	0.00	0.59	0.852	IO				5.06
9.083	0.00	0.58	0.848	O				5.05
9.167	0.00	0.58	0.844	O				5.04
9.250	0.00	0.57	0.840	O				5.03
9.333	0.00	0.57	0.837	O				5.02
9.417	0.00	0.56	0.833	O				5.01
9.500	0.00	0.56	0.829	O				5.00
9.583	0.00	0.55	0.825	O				4.99
9.667	0.00	0.54	0.821	O				4.98
9.750	0.00	0.53	0.818	O				4.97
9.833	0.00	0.53	0.814	O				4.96
9.917	0.00	0.52	0.810	O				4.95
10.000	0.00	0.51	0.807	O				4.94
10.083	0.00	0.50	0.803	O				4.93
10.167	0.00	0.50	0.800	O				4.92
10.250	0.00	0.49	0.796	O				4.91
10.333	0.00	0.48	0.793	O				4.90
10.417	0.00	0.48	0.790	O				4.89
10.500	0.00	0.47	0.786	O				4.88
10.583	0.00	0.46	0.783	O				4.87
10.667	0.00	0.46	0.780	O				4.86

10.750	0.00	0.45	0.777	O	|	|	|	|	4.86
10.833	0.00	0.44	0.774	O	|	|	|	|	4.85
10.917	0.00	0.44	0.771	O	|	|	|	|	4.84
11.000	0.00	0.43	0.768	O	|	|	|	|	4.83
11.083	0.00	0.42	0.765	O	|	|	|	|	4.82
11.167	0.00	0.42	0.762	O	|	|	|	|	4.81
11.250	0.00	0.41	0.759	O	|	|	|	|	4.81
11.333	0.00	0.41	0.756	O	|	|	|	|	4.80
11.417	0.00	0.40	0.754	O	|	|	|	|	4.79
11.500	0.00	0.39	0.751	O	|	|	|	|	4.78
11.583	0.00	0.39	0.748	O	|	|	|	|	4.78
11.667	0.00	0.38	0.746	O	|	|	|	|	4.77
11.750	0.00	0.38	0.743	O	|	|	|	|	4.76
11.833	0.00	0.37	0.740	O	|	|	|	|	4.76
11.917	0.00	0.37	0.738	O	|	|	|	|	4.75
12.000	0.00	0.36	0.735	O	|	|	|	|	4.74
12.083	0.00	0.36	0.733	O	|	|	|	|	4.73
12.167	0.00	0.35	0.730	O	|	|	|	|	4.73
12.250	0.00	0.35	0.728	O	|	|	|	|	4.72
12.333	0.00	0.34	0.726	O	|	|	|	|	4.72
12.417	0.00	0.34	0.723	O	|	|	|	|	4.71
12.500	0.00	0.33	0.721	O	|	|	|	|	4.70
12.583	0.00	0.33	0.719	O	|	|	|	|	4.69
12.667	0.00	0.32	0.716	O	|	|	|	|	4.69
12.750	0.00	0.32	0.714	O	|	|	|	|	4.68
12.833	0.00	0.31	0.712	O	|	|	|	|	4.67
12.917	0.00	0.31	0.710	O	|	|	|	|	4.66
13.000	0.00	0.31	0.708	O	|	|	|	|	4.65
13.083	0.00	0.30	0.706	O	|	|	|	|	4.64
13.167	0.00	0.30	0.704	O	|	|	|	|	4.63
13.250	0.00	0.29	0.702	O	|	|	|	|	4.63
13.333	0.00	0.29	0.700	O	|	|	|	|	4.62
13.417	0.00	0.29	0.698	O	|	|	|	|	4.61
13.500	0.00	0.28	0.696	O	|	|	|	|	4.60
13.583	0.00	0.28	0.694	O	|	|	|	|	4.59
13.667	0.00	0.27	0.692	O	|	|	|	|	4.59
13.750	0.00	0.27	0.690	O	|	|	|	|	4.58
13.833	0.00	0.27	0.688	O	|	|	|	|	4.57
13.917	0.00	0.26	0.686	O	|	|	|	|	4.57
14.000	0.00	0.26	0.685	O	|	|	|	|	4.56
14.083	0.00	0.26	0.683	O	|	|	|	|	4.55
14.167	0.00	0.25	0.681	O	|	|	|	|	4.54
14.250	0.00	0.25	0.679	O	|	|	|	|	4.54
14.333	0.00	0.25	0.678	O	|	|	|	|	4.53
14.417	0.00	0.24	0.676	O	|	|	|	|	4.52
14.500	0.00	0.24	0.674	O	|	|	|	|	4.52
14.583	0.00	0.24	0.673	O	|	|	|	|	4.51
14.667	0.00	0.23	0.671	O	|	|	|	|	4.50
14.750	0.00	0.23	0.669	O	|	|	|	|	4.50
14.833	0.00	0.23	0.668	O	|	|	|	|	4.49
14.917	0.00	0.22	0.666	O	|	|	|	|	4.49
15.000	0.00	0.22	0.665	O	|	|	|	|	4.48
15.083	0.00	0.22	0.663	O	|	|	|	|	4.47
15.167	0.00	0.21	0.662	O	|	|	|	|	4.47
15.250	0.00	0.21	0.660	O	|	|	|	|	4.46
15.333	0.00	0.21	0.659	O	|	|	|	|	4.46
15.417	0.00	0.20	0.657	O	|	|	|	|	4.45
15.500	0.00	0.20	0.656	O	|	|	|	|	4.44
15.583	0.00	0.20	0.655	O	|	|	|	|	4.44
15.667	0.00	0.20	0.653	O	|	|	|	|	4.43
15.750	0.00	0.19	0.652	O	|	|	|	|	4.43
15.833	0.00	0.19	0.651	O	|	|	|	|	4.42
15.917	0.00	0.19	0.649	O	|	|	|	|	4.42
16.000	0.00	0.19	0.648	O	|	|	|	|	4.41
16.083	0.00	0.18	0.647	O	|	|	|	|	4.41
16.167	0.00	0.18	0.646	O	|	|	|	|	4.40
16.250	0.00	0.18	0.644	O	|	|	|	|	4.40
16.333	0.00	0.18	0.643	O	|	|	|	|	4.39

16.417	0.00	0.17	0.642	O	|	|	|	|	4.39
16.500	0.00	0.17	0.641	O	|	|	|	|	4.38
16.583	0.00	0.17	0.639	O	|	|	|	|	4.38
16.667	0.00	0.17	0.638	O	|	|	|	|	4.37
16.750	0.00	0.16	0.637	O	|	|	|	|	4.37
16.833	0.00	0.16	0.636	O	|	|	|	|	4.36
16.917	0.00	0.16	0.635	O	|	|	|	|	4.36
17.000	0.00	0.16	0.634	O	|	|	|	|	4.36
17.083	0.00	0.16	0.633	O	|	|	|	|	4.35
17.167	0.00	0.15	0.632	O	|	|	|	|	4.35
17.250	0.00	0.15	0.631	O	|	|	|	|	4.34
17.333	0.00	0.15	0.630	O	|	|	|	|	4.34
17.417	0.00	0.15	0.629	O	|	|	|	|	4.33
17.500	0.00	0.15	0.628	O	|	|	|	|	4.33
17.583	0.00	0.14	0.627	O	|	|	|	|	4.33
17.667	0.00	0.14	0.626	O	|	|	|	|	4.32
17.750	0.00	0.14	0.625	O	|	|	|	|	4.32
17.833	0.00	0.14	0.624	O	|	|	|	|	4.31
17.917	0.00	0.14	0.623	O	|	|	|	|	4.31
18.000	0.00	0.13	0.622	O	|	|	|	|	4.31
18.083	0.00	0.13	0.621	O	|	|	|	|	4.30
18.167	0.00	0.13	0.620	O	|	|	|	|	4.30
18.250	0.00	0.13	0.619	O	|	|	|	|	4.30
18.333	0.00	0.13	0.618	O	|	|	|	|	4.30
18.417	0.00	0.13	0.617	O	|	|	|	|	4.29
18.500	0.00	0.13	0.616	O	|	|	|	|	4.29
18.583	0.00	0.13	0.616	O	|	|	|	|	4.29
18.667	0.00	0.13	0.615	O	|	|	|	|	4.29
18.750	0.00	0.13	0.614	O	|	|	|	|	4.28
18.833	0.00	0.13	0.613	O	|	|	|	|	4.28
18.917	0.00	0.13	0.612	O	|	|	|	|	4.28
19.000	0.00	0.13	0.611	O	|	|	|	|	4.28
19.083	0.00	0.13	0.610	O	|	|	|	|	4.27
19.167	0.00	0.13	0.609	O	|	|	|	|	4.27
19.250	0.00	0.13	0.608	O	|	|	|	|	4.27
19.333	0.00	0.13	0.608	O	|	|	|	|	4.27
19.417	0.00	0.13	0.607	O	|	|	|	|	4.26
19.500	0.00	0.13	0.606	O	|	|	|	|	4.26
19.583	0.00	0.13	0.605	O	|	|	|	|	4.26
19.667	0.00	0.13	0.604	O	|	|	|	|	4.26
19.750	0.00	0.13	0.603	O	|	|	|	|	4.25
19.833	0.00	0.13	0.602	O	|	|	|	|	4.25
19.917	0.00	0.13	0.601	O	|	|	|	|	4.25
20.000	0.00	0.13	0.600	O	|	|	|	|	4.25
20.083	0.00	0.13	0.599	O	|	|	|	|	4.24
20.167	0.00	0.13	0.599	O	|	|	|	|	4.24
20.250	0.00	0.13	0.598	O	|	|	|	|	4.24
20.333	0.00	0.13	0.597	O	|	|	|	|	4.24
20.417	0.00	0.13	0.596	O	|	|	|	|	4.23
20.500	0.00	0.13	0.595	O	|	|	|	|	4.23
20.583	0.00	0.13	0.594	O	|	|	|	|	4.23
20.667	0.00	0.13	0.593	O	|	|	|	|	4.23
20.750	0.00	0.13	0.592	O	|	|	|	|	4.22
20.833	0.00	0.13	0.591	O	|	|	|	|	4.22
20.917	0.00	0.13	0.590	O	|	|	|	|	4.22
21.000	0.00	0.13	0.590	O	|	|	|	|	4.22
21.083	0.00	0.13	0.589	O	|	|	|	|	4.21
21.167	0.00	0.13	0.588	O	|	|	|	|	4.21
21.250	0.00	0.13	0.587	O	|	|	|	|	4.21
21.333	0.00	0.13	0.586	O	|	|	|	|	4.21
21.417	0.00	0.13	0.585	O	|	|	|	|	4.20
21.500	0.00	0.13	0.584	O	|	|	|	|	4.20
21.583	0.00	0.13	0.583	O	|	|	|	|	4.20
21.667	0.00	0.13	0.582	O	|	|	|	|	4.20
21.750	0.00	0.13	0.582	O	|	|	|	|	4.20
21.833	0.00	0.13	0.581	O	|	|	|	|	4.19
21.917	0.00	0.13	0.580	O	|	|	|	|	4.19
22.000	0.00	0.13	0.579	O	|	|	|	|	4.19

22.083	0.00	0.13	0.578	O	|	|	|	|	4.19
22.167	0.00	0.13	0.577	O	|	|	|	|	4.18
22.250	0.00	0.13	0.576	O	|	|	|	|	4.18
22.333	0.00	0.13	0.575	O	|	|	|	|	4.18
22.417	0.00	0.13	0.574	O	|	|	|	|	4.18
22.500	0.00	0.13	0.573	O	|	|	|	|	4.17
22.583	0.00	0.13	0.573	O	|	|	|	|	4.17
22.667	0.00	0.13	0.572	O	|	|	|	|	4.17
22.750	0.00	0.13	0.571	O	|	|	|	|	4.17
22.833	0.00	0.13	0.570	O	|	|	|	|	4.16
22.917	0.00	0.13	0.569	O	|	|	|	|	4.16
23.000	0.00	0.13	0.568	O	|	|	|	|	4.16
23.083	0.00	0.13	0.567	O	|	|	|	|	4.16
23.167	0.00	0.13	0.566	O	|	|	|	|	4.15
23.250	0.00	0.13	0.565	O	|	|	|	|	4.15
23.333	0.00	0.13	0.565	O	|	|	|	|	4.15
23.417	0.00	0.13	0.564	O	|	|	|	|	4.15
23.500	0.00	0.13	0.563	O	|	|	|	|	4.14
23.583	0.00	0.13	0.562	O	|	|	|	|	4.14
23.667	0.00	0.13	0.561	O	|	|	|	|	4.14
23.750	0.00	0.13	0.560	O	|	|	|	|	4.14
23.833	0.00	0.13	0.559	O	|	|	|	|	4.13
23.917	0.00	0.13	0.558	O	|	|	|	|	4.13
24.000	0.00	0.13	0.557	O	|	|	|	|	4.13
24.083	0.00	0.13	0.556	O	|	|	|	|	4.13
24.167	0.00	0.13	0.556	O	|	|	|	|	4.12
24.250	0.00	0.13	0.555	O	|	|	|	|	4.12
24.333	0.00	0.13	0.554	O	|	|	|	|	4.12
24.417	0.00	0.13	0.553	O	|	|	|	|	4.12
24.500	0.00	0.13	0.552	O	|	|	|	|	4.11
24.583	0.00	0.13	0.551	O	|	|	|	|	4.11
24.667	0.00	0.13	0.550	O	|	|	|	|	4.11
24.750	0.00	0.13	0.549	O	|	|	|	|	4.11
24.833	0.00	0.13	0.548	O	|	|	|	|	4.10
24.917	0.00	0.13	0.548	O	|	|	|	|	4.10
25.000	0.00	0.13	0.547	O	|	|	|	|	4.10
25.083	0.00	0.13	0.546	O	|	|	|	|	4.10
25.167	0.00	0.13	0.545	O	|	|	|	|	4.09
25.250	0.00	0.13	0.544	O	|	|	|	|	4.09
25.333	0.00	0.13	0.543	O	|	|	|	|	4.09
25.417	0.00	0.13	0.542	O	|	|	|	|	4.09
25.500	0.00	0.13	0.541	O	|	|	|	|	4.09
25.583	0.00	0.13	0.540	O	|	|	|	|	4.08
25.667	0.00	0.13	0.539	O	|	|	|	|	4.08
25.750	0.00	0.13	0.539	O	|	|	|	|	4.08
25.833	0.00	0.13	0.538	O	|	|	|	|	4.08
25.917	0.00	0.13	0.537	O	|	|	|	|	4.07
26.000	0.00	0.13	0.536	O	|	|	|	|	4.07
26.083	0.00	0.13	0.535	O	|	|	|	|	4.07
26.167	0.00	0.13	0.534	O	|	|	|	|	4.07
26.250	0.00	0.13	0.533	O	|	|	|	|	4.06
26.333	0.00	0.13	0.532	O	|	|	|	|	4.06
26.417	0.00	0.13	0.531	O	|	|	|	|	4.06
26.500	0.00	0.13	0.531	O	|	|	|	|	4.06
26.583	0.00	0.13	0.530	O	|	|	|	|	4.05
26.667	0.00	0.13	0.529	O	|	|	|	|	4.05
26.750	0.00	0.13	0.528	O	|	|	|	|	4.05
26.833	0.00	0.13	0.527	O	|	|	|	|	4.05
26.917	0.00	0.13	0.526	O	|	|	|	|	4.04
27.000	0.00	0.13	0.525	O	|	|	|	|	4.04
27.083	0.00	0.13	0.524	O	|	|	|	|	4.04
27.167	0.00	0.13	0.523	O	|	|	|	|	4.04
27.250	0.00	0.13	0.522	O	|	|	|	|	4.03
27.333	0.00	0.13	0.522	O	|	|	|	|	4.03
27.417	0.00	0.13	0.521	O	|	|	|	|	4.03
27.500	0.00	0.13	0.520	O	|	|	|	|	4.03
27.583	0.00	0.13	0.519	O	|	|	|	|	4.02
27.667	0.00	0.13	0.518	O	|	|	|	|	4.02

27.750	0.00	0.13	0.517	O	|	|	|	|	4.02
27.833	0.00	0.13	0.516	O	|	|	|	|	4.02
27.917	0.00	0.13	0.515	O	|	|	|	|	4.01
28.000	0.00	0.13	0.514	O	|	|	|	|	4.01
28.083	0.00	0.13	0.513	O	|	|	|	|	4.01
28.167	0.00	0.13	0.513	O	|	|	|	|	4.01
28.250	0.00	0.13	0.512	O	|	|	|	|	4.00
28.333	0.00	0.13	0.511	O	|	|	|	|	4.00
28.417	0.00	0.13	0.510	O	|	|	|	|	4.00
28.500	0.00	0.13	0.509	O	|	|	|	|	4.00
28.583	0.00	0.13	0.508	O	|	|	|	|	3.99
28.667	0.00	0.13	0.507	O	|	|	|	|	3.99
28.750	0.00	0.13	0.506	O	|	|	|	|	3.99
28.833	0.00	0.13	0.505	O	|	|	|	|	3.98
28.917	0.00	0.13	0.505	O	|	|	|	|	3.98
29.000	0.00	0.13	0.504	O	|	|	|	|	3.98
29.083	0.00	0.13	0.503	O	|	|	|	|	3.98
29.167	0.00	0.13	0.502	O	|	|	|	|	3.97
29.250	0.00	0.13	0.501	O	|	|	|	|	3.97
29.333	0.00	0.13	0.500	O	|	|	|	|	3.97
29.417	0.00	0.13	0.499	O	|	|	|	|	3.96
29.500	0.00	0.13	0.498	O	|	|	|	|	3.96
29.583	0.00	0.13	0.497	O	|	|	|	|	3.96
29.667	0.00	0.13	0.496	O	|	|	|	|	3.95
29.750	0.00	0.13	0.496	O	|	|	|	|	3.95
29.833	0.00	0.13	0.495	O	|	|	|	|	3.95
29.917	0.00	0.13	0.494	O	|	|	|	|	3.95
30.000	0.00	0.13	0.493	O	|	|	|	|	3.94
30.083	0.00	0.13	0.492	O	|	|	|	|	3.94
30.167	0.00	0.13	0.491	O	|	|	|	|	3.94
30.250	0.00	0.13	0.490	O	|	|	|	|	3.93
30.333	0.00	0.13	0.489	O	|	|	|	|	3.93
30.417	0.00	0.13	0.488	O	|	|	|	|	3.93
30.500	0.00	0.13	0.488	O	|	|	|	|	3.93
30.583	0.00	0.13	0.487	O	|	|	|	|	3.92
30.667	0.00	0.13	0.486	O	|	|	|	|	3.92
30.750	0.00	0.13	0.485	O	|	|	|	|	3.92
30.833	0.00	0.13	0.484	O	|	|	|	|	3.91
30.917	0.00	0.13	0.483	O	|	|	|	|	3.91
31.000	0.00	0.13	0.482	O	|	|	|	|	3.91
31.083	0.00	0.13	0.481	O	|	|	|	|	3.90
31.167	0.00	0.13	0.480	O	|	|	|	|	3.90
31.250	0.00	0.13	0.479	O	|	|	|	|	3.90
31.333	0.00	0.13	0.479	O	|	|	|	|	3.90
31.417	0.00	0.13	0.478	O	|	|	|	|	3.89
31.500	0.00	0.13	0.477	O	|	|	|	|	3.89
31.583	0.00	0.13	0.476	O	|	|	|	|	3.89
31.667	0.00	0.13	0.475	O	|	|	|	|	3.88
31.750	0.00	0.13	0.474	O	|	|	|	|	3.88
31.833	0.00	0.13	0.473	O	|	|	|	|	3.88
31.917	0.00	0.13	0.472	O	|	|	|	|	3.87
32.000	0.00	0.13	0.471	O	|	|	|	|	3.87
32.083	0.00	0.13	0.471	O	|	|	|	|	3.87
32.167	0.00	0.13	0.470	O	|	|	|	|	3.87
32.250	0.00	0.13	0.469	O	|	|	|	|	3.86
32.333	0.00	0.13	0.468	O	|	|	|	|	3.86
32.417	0.00	0.13	0.467	O	|	|	|	|	3.86
32.500	0.00	0.13	0.466	O	|	|	|	|	3.85
32.583	0.00	0.13	0.465	O	|	|	|	|	3.85
32.667	0.00	0.13	0.464	O	|	|	|	|	3.85
32.750	0.00	0.13	0.463	O	|	|	|	|	3.84
32.833	0.00	0.13	0.462	O	|	|	|	|	3.84
32.917	0.00	0.13	0.462	O	|	|	|	|	3.84
33.000	0.00	0.13	0.461	O	|	|	|	|	3.84
33.083	0.00	0.13	0.460	O	|	|	|	|	3.83
33.167	0.00	0.13	0.459	O	|	|	|	|	3.83
33.250	0.00	0.13	0.458	O	|	|	|	|	3.83
33.333	0.00	0.13	0.457	O	|	|	|	|	3.82

33.417	0.00	0.13	0.456	O	|	|	|	|	3.82
33.500	0.00	0.13	0.455	O	|	|	|	|	3.82
33.583	0.00	0.13	0.454	O	|	|	|	|	3.81
33.667	0.00	0.13	0.454	O	|	|	|	|	3.81
33.750	0.00	0.13	0.453	O	|	|	|	|	3.81
33.833	0.00	0.13	0.452	O	|	|	|	|	3.81
33.917	0.00	0.13	0.451	O	|	|	|	|	3.80
34.000	0.00	0.13	0.450	O	|	|	|	|	3.80
34.083	0.00	0.13	0.449	O	|	|	|	|	3.80
34.167	0.00	0.13	0.448	O	|	|	|	|	3.79
34.250	0.00	0.13	0.447	O	|	|	|	|	3.79
34.333	0.00	0.13	0.446	O	|	|	|	|	3.79
34.417	0.00	0.13	0.445	O	|	|	|	|	3.78
34.500	0.00	0.13	0.445	O	|	|	|	|	3.78
34.583	0.00	0.13	0.444	O	|	|	|	|	3.78
34.667	0.00	0.13	0.443	O	|	|	|	|	3.78
34.750	0.00	0.13	0.442	O	|	|	|	|	3.77
34.833	0.00	0.13	0.441	O	|	|	|	|	3.77
34.917	0.00	0.13	0.440	O	|	|	|	|	3.77
35.000	0.00	0.13	0.439	O	|	|	|	|	3.76
35.083	0.00	0.13	0.438	O	|	|	|	|	3.76
35.167	0.00	0.13	0.437	O	|	|	|	|	3.76
35.250	0.00	0.13	0.436	O	|	|	|	|	3.75
35.333	0.00	0.13	0.436	O	|	|	|	|	3.75
35.417	0.00	0.13	0.435	O	|	|	|	|	3.75
35.500	0.00	0.13	0.434	O	|	|	|	|	3.75
35.583	0.00	0.13	0.433	O	|	|	|	|	3.74
35.667	0.00	0.13	0.432	O	|	|	|	|	3.74
35.750	0.00	0.13	0.431	O	|	|	|	|	3.74
35.833	0.00	0.13	0.430	O	|	|	|	|	3.73
35.917	0.00	0.13	0.429	O	|	|	|	|	3.73
36.000	0.00	0.13	0.428	O	|	|	|	|	3.73
36.083	0.00	0.13	0.428	O	|	|	|	|	3.73
36.167	0.00	0.13	0.427	O	|	|	|	|	3.72
36.250	0.00	0.13	0.426	O	|	|	|	|	3.72
36.333	0.00	0.13	0.425	O	|	|	|	|	3.72
36.417	0.00	0.13	0.424	O	|	|	|	|	3.71
36.500	0.00	0.13	0.423	O	|	|	|	|	3.71
36.583	0.00	0.13	0.422	O	|	|	|	|	3.71
36.667	0.00	0.13	0.421	O	|	|	|	|	3.70
36.750	0.00	0.13	0.420	O	|	|	|	|	3.70
36.833	0.00	0.13	0.419	O	|	|	|	|	3.70
36.917	0.00	0.13	0.419	O	|	|	|	|	3.69
37.000	0.00	0.13	0.418	O	|	|	|	|	3.69
37.083	0.00	0.13	0.417	O	|	|	|	|	3.69
37.167	0.00	0.13	0.416	O	|	|	|	|	3.68
37.250	0.00	0.13	0.415	O	|	|	|	|	3.68
37.333	0.00	0.13	0.414	O	|	|	|	|	3.68
37.417	0.00	0.13	0.413	O	|	|	|	|	3.67
37.500	0.00	0.13	0.412	O	|	|	|	|	3.67
37.583	0.00	0.13	0.411	O	|	|	|	|	3.67
37.667	0.00	0.13	0.411	O	|	|	|	|	3.66
37.750	0.00	0.13	0.410	O	|	|	|	|	3.66
37.833	0.00	0.13	0.409	O	|	|	|	|	3.65
37.917	0.00	0.13	0.408	O	|	|	|	|	3.65
38.000	0.00	0.13	0.407	O	|	|	|	|	3.65
38.083	0.00	0.13	0.406	O	|	|	|	|	3.64
38.167	0.00	0.13	0.405	O	|	|	|	|	3.64
38.250	0.00	0.13	0.404	O	|	|	|	|	3.64
38.333	0.00	0.13	0.403	O	|	|	|	|	3.63
38.417	0.00	0.13	0.402	O	|	|	|	|	3.63
38.500	0.00	0.13	0.402	O	|	|	|	|	3.63
38.583	0.00	0.13	0.401	O	|	|	|	|	3.62
38.667	0.00	0.13	0.400	O	|	|	|	|	3.62
38.750	0.00	0.13	0.399	O	|	|	|	|	3.62
38.833	0.00	0.13	0.398	O	|	|	|	|	3.61
38.917	0.00	0.13	0.397	O	|	|	|	|	3.61
39.000	0.00	0.13	0.396	O	|	|	|	|	3.60

39.083	0.00	0.13	0.395	O	|	|	|	|	3.60
39.167	0.00	0.13	0.394	O	|	|	|	|	3.60
39.250	0.00	0.13	0.394	O	|	|	|	|	3.59
39.333	0.00	0.13	0.393	O	|	|	|	|	3.59
39.417	0.00	0.13	0.392	O	|	|	|	|	3.59
39.500	0.00	0.13	0.391	O	|	|	|	|	3.58
39.583	0.00	0.13	0.390	O	|	|	|	|	3.58
39.667	0.00	0.13	0.389	O	|	|	|	|	3.58
39.750	0.00	0.13	0.388	O	|	|	|	|	3.57
39.833	0.00	0.13	0.387	O	|	|	|	|	3.57
39.917	0.00	0.13	0.386	O	|	|	|	|	3.57
40.000	0.00	0.13	0.385	O	|	|	|	|	3.56
40.083	0.00	0.13	0.385	O	|	|	|	|	3.56
40.167	0.00	0.13	0.384	O	|	|	|	|	3.55
40.250	0.00	0.13	0.383	O	|	|	|	|	3.55
40.333	0.00	0.13	0.382	O	|	|	|	|	3.55
40.417	0.00	0.13	0.381	O	|	|	|	|	3.54
40.500	0.00	0.13	0.380	O	|	|	|	|	3.54
40.583	0.00	0.13	0.379	O	|	|	|	|	3.54
40.667	0.00	0.13	0.378	O	|	|	|	|	3.53
40.750	0.00	0.13	0.377	O	|	|	|	|	3.53
40.833	0.00	0.13	0.377	O	|	|	|	|	3.53
40.917	0.00	0.13	0.376	O	|	|	|	|	3.52
41.000	0.00	0.13	0.375	O	|	|	|	|	3.52
41.083	0.00	0.13	0.374	O	|	|	|	|	3.52
41.167	0.00	0.13	0.373	O	|	|	|	|	3.51
41.250	0.00	0.13	0.372	O	|	|	|	|	3.51
41.333	0.00	0.13	0.371	O	|	|	|	|	3.50
41.417	0.00	0.13	0.370	O	|	|	|	|	3.50
41.500	0.00	0.13	0.369	O	|	|	|	|	3.50
41.583	0.00	0.13	0.368	O	|	|	|	|	3.49
41.667	0.00	0.13	0.368	O	|	|	|	|	3.49
41.750	0.00	0.13	0.367	O	|	|	|	|	3.49
41.833	0.00	0.13	0.366	O	|	|	|	|	3.48
41.917	0.00	0.13	0.365	O	|	|	|	|	3.48
42.000	0.00	0.13	0.364	O	|	|	|	|	3.48
42.083	0.00	0.13	0.363	O	|	|	|	|	3.47
42.167	0.00	0.13	0.362	O	|	|	|	|	3.47
42.250	0.00	0.13	0.361	O	|	|	|	|	3.47
42.333	0.00	0.13	0.360	O	|	|	|	|	3.46
42.417	0.00	0.13	0.360	O	|	|	|	|	3.46
42.500	0.00	0.13	0.359	O	|	|	|	|	3.45
42.583	0.00	0.13	0.358	O	|	|	|	|	3.45
42.667	0.00	0.13	0.357	O	|	|	|	|	3.45
42.750	0.00	0.13	0.356	O	|	|	|	|	3.44
42.833	0.00	0.13	0.355	O	|	|	|	|	3.44
42.917	0.00	0.13	0.354	O	|	|	|	|	3.44
43.000	0.00	0.13	0.353	O	|	|	|	|	3.43
43.083	0.00	0.13	0.352	O	|	|	|	|	3.43
43.167	0.00	0.13	0.351	O	|	|	|	|	3.43
43.250	0.00	0.13	0.351	O	|	|	|	|	3.42
43.333	0.00	0.13	0.350	O	|	|	|	|	3.42
43.417	0.00	0.13	0.349	O	|	|	|	|	3.42
43.500	0.00	0.13	0.348	O	|	|	|	|	3.41
43.583	0.00	0.13	0.347	O	|	|	|	|	3.41
43.667	0.00	0.13	0.346	O	|	|	|	|	3.40
43.750	0.00	0.13	0.345	O	|	|	|	|	3.40
43.833	0.00	0.13	0.344	O	|	|	|	|	3.40
43.917	0.00	0.13	0.343	O	|	|	|	|	3.39
44.000	0.00	0.13	0.342	O	|	|	|	|	3.39
44.083	0.00	0.13	0.342	O	|	|	|	|	3.39
44.167	0.00	0.13	0.341	O	|	|	|	|	3.38
44.250	0.00	0.13	0.340	O	|	|	|	|	3.38
44.333	0.00	0.13	0.339	O	|	|	|	|	3.38
44.417	0.00	0.13	0.338	O	|	|	|	|	3.37
44.500	0.00	0.13	0.337	O	|	|	|	|	3.37
44.583	0.00	0.13	0.336	O	|	|	|	|	3.36
44.667	0.00	0.13	0.335	O	|	|	|	|	3.36

44.750	0.00	0.13	0.334	O	|	|	|	|	3.36
44.833	0.00	0.13	0.334	O	|	|	|	|	3.35
44.917	0.00	0.13	0.333	O	|	|	|	|	3.35
45.000	0.00	0.13	0.332	O	|	|	|	|	3.35
45.083	0.00	0.13	0.331	O	|	|	|	|	3.34
45.167	0.00	0.13	0.330	O	|	|	|	|	3.34
45.250	0.00	0.13	0.329	O	|	|	|	|	3.34
45.333	0.00	0.13	0.328	O	|	|	|	|	3.33
45.417	0.00	0.13	0.327	O	|	|	|	|	3.33
45.500	0.00	0.13	0.326	O	|	|	|	|	3.33
45.583	0.00	0.13	0.325	O	|	|	|	|	3.32
45.667	0.00	0.13	0.325	O	|	|	|	|	3.32
45.750	0.00	0.13	0.324	O	|	|	|	|	3.31
45.833	0.00	0.13	0.323	O	|	|	|	|	3.31
45.917	0.00	0.13	0.322	O	|	|	|	|	3.31
46.000	0.00	0.13	0.321	O	|	|	|	|	3.30
46.083	0.00	0.13	0.320	O	|	|	|	|	3.30
46.167	0.00	0.13	0.319	O	|	|	|	|	3.30
46.250	0.00	0.13	0.318	O	|	|	|	|	3.29
46.333	0.00	0.13	0.317	O	|	|	|	|	3.29
46.417	0.00	0.13	0.317	O	|	|	|	|	3.29
46.500	0.00	0.13	0.316	O	|	|	|	|	3.29
46.583	0.00	0.13	0.315	O	|	|	|	|	3.28
46.667	0.00	0.13	0.314	O	|	|	|	|	3.28
46.750	0.00	0.13	0.313	O	|	|	|	|	3.28
46.833	0.00	0.13	0.312	O	|	|	|	|	3.27
46.917	0.00	0.13	0.311	O	|	|	|	|	3.27
47.000	0.00	0.13	0.310	O	|	|	|	|	3.27
47.083	0.00	0.13	0.309	O	|	|	|	|	3.26
47.167	0.00	0.13	0.308	O	|	|	|	|	3.26
47.250	0.00	0.13	0.308	O	|	|	|	|	3.26
47.333	0.00	0.13	0.307	O	|	|	|	|	3.26
47.417	0.00	0.13	0.306	O	|	|	|	|	3.25
47.500	0.00	0.13	0.305	O	|	|	|	|	3.25
47.583	0.00	0.13	0.304	O	|	|	|	|	3.25
47.667	0.00	0.13	0.303	O	|	|	|	|	3.24
47.750	0.00	0.13	0.302	O	|	|	|	|	3.24
47.833	0.00	0.13	0.301	O	|	|	|	|	3.24
47.917	0.00	0.13	0.300	O	|	|	|	|	3.23
48.000	0.00	0.13	0.300	O	|	|	|	|	3.23
48.083	0.00	0.13	0.299	O	|	|	|	|	3.23
48.167	0.00	0.13	0.298	O	|	|	|	|	3.23
48.250	0.00	0.13	0.297	O	|	|	|	|	3.22
48.333	0.00	0.13	0.296	O	|	|	|	|	3.22
48.417	0.00	0.13	0.295	O	|	|	|	|	3.22
48.500	0.00	0.13	0.294	O	|	|	|	|	3.21
48.583	0.00	0.13	0.293	O	|	|	|	|	3.21
48.667	0.00	0.13	0.292	O	|	|	|	|	3.21
48.750	0.00	0.13	0.291	O	|	|	|	|	3.20
48.833	0.00	0.13	0.291	O	|	|	|	|	3.20
48.917	0.00	0.13	0.290	O	|	|	|	|	3.20
49.000	0.00	0.13	0.289	O	|	|	|	|	3.20
49.083	0.00	0.13	0.288	O	|	|	|	|	3.19
49.167	0.00	0.13	0.287	O	|	|	|	|	3.19
49.250	0.00	0.13	0.286	O	|	|	|	|	3.19
49.333	0.00	0.13	0.285	O	|	|	|	|	3.18
49.417	0.00	0.13	0.284	O	|	|	|	|	3.18
49.500	0.00	0.13	0.283	O	|	|	|	|	3.18
49.583	0.00	0.13	0.283	O	|	|	|	|	3.18
49.667	0.00	0.13	0.282	O	|	|	|	|	3.17
49.750	0.00	0.13	0.281	O	|	|	|	|	3.17
49.833	0.00	0.13	0.280	O	|	|	|	|	3.17
49.917	0.00	0.13	0.279	O	|	|	|	|	3.16
50.000	0.00	0.13	0.278	O	|	|	|	|	3.16
50.083	0.00	0.13	0.277	O	|	|	|	|	3.16
50.167	0.00	0.13	0.276	O	|	|	|	|	3.15
50.250	0.00	0.13	0.275	O	|	|	|	|	3.15
50.333	0.00	0.13	0.274	O	|	|	|	|	3.15

50.417	0.00	0.13	0.274	O	|	|	|	|	3.15
50.500	0.00	0.13	0.273	O	|	|	|	|	3.14
50.583	0.00	0.13	0.272	O	|	|	|	|	3.14
50.667	0.00	0.13	0.271	O	|	|	|	|	3.14
50.750	0.00	0.13	0.270	O	|	|	|	|	3.13
50.833	0.00	0.13	0.269	O	|	|	|	|	3.13
50.917	0.00	0.13	0.268	O	|	|	|	|	3.13
51.000	0.00	0.13	0.267	O	|	|	|	|	3.12
51.083	0.00	0.13	0.266	O	|	|	|	|	3.12
51.167	0.00	0.13	0.265	O	|	|	|	|	3.12
51.250	0.00	0.13	0.265	O	|	|	|	|	3.12
51.333	0.00	0.13	0.264	O	|	|	|	|	3.11
51.417	0.00	0.13	0.263	O	|	|	|	|	3.11
51.500	0.00	0.13	0.262	O	|	|	|	|	3.11
51.583	0.00	0.13	0.261	O	|	|	|	|	3.10
51.667	0.00	0.13	0.260	O	|	|	|	|	3.10
51.750	0.00	0.13	0.259	O	|	|	|	|	3.10
51.833	0.00	0.13	0.258	O	|	|	|	|	3.09
51.917	0.00	0.13	0.257	O	|	|	|	|	3.09
52.000	0.00	0.13	0.257	O	|	|	|	|	3.09
52.083	0.00	0.13	0.256	O	|	|	|	|	3.09
52.167	0.00	0.13	0.255	O	|	|	|	|	3.08
52.250	0.00	0.13	0.254	O	|	|	|	|	3.08
52.333	0.00	0.13	0.253	O	|	|	|	|	3.08
52.417	0.00	0.13	0.252	O	|	|	|	|	3.07
52.500	0.00	0.13	0.251	O	|	|	|	|	3.07
52.583	0.00	0.13	0.250	O	|	|	|	|	3.07
52.667	0.00	0.13	0.249	O	|	|	|	|	3.06
52.750	0.00	0.13	0.248	O	|	|	|	|	3.06
52.833	0.00	0.13	0.248	O	|	|	|	|	3.06
52.917	0.00	0.13	0.247	O	|	|	|	|	3.06
53.000	0.00	0.13	0.246	O	|	|	|	|	3.05
53.083	0.00	0.13	0.245	O	|	|	|	|	3.05
53.167	0.00	0.13	0.244	O	|	|	|	|	3.05
53.250	0.00	0.13	0.243	O	|	|	|	|	3.04
53.333	0.00	0.13	0.242	O	|	|	|	|	3.04
53.417	0.00	0.13	0.241	O	|	|	|	|	3.04
53.500	0.00	0.13	0.240	O	|	|	|	|	3.03
53.583	0.00	0.13	0.240	O	|	|	|	|	3.03
53.667	0.00	0.13	0.239	O	|	|	|	|	3.03
53.750	0.00	0.13	0.238	O	|	|	|	|	3.03
53.833	0.00	0.13	0.237	O	|	|	|	|	3.02
53.917	0.00	0.13	0.236	O	|	|	|	|	3.02
54.000	0.00	0.13	0.235	O	|	|	|	|	3.02
54.083	0.00	0.13	0.234	O	|	|	|	|	3.01
54.167	0.00	0.13	0.233	O	|	|	|	|	3.01
54.250	0.00	0.13	0.232	O	|	|	|	|	3.01
54.333	0.00	0.13	0.231	O	|	|	|	|	3.00
54.417	0.00	0.13	0.231	O	|	|	|	|	3.00
54.500	0.00	0.13	0.230	O	|	|	|	|	3.00
54.583	0.00	0.13	0.229	O	|	|	|	|	2.99
54.667	0.00	0.13	0.228	O	|	|	|	|	2.98
54.750	0.00	0.13	0.227	O	|	|	|	|	2.97
54.833	0.00	0.13	0.226	O	|	|	|	|	2.96
54.917	0.00	0.13	0.225	O	|	|	|	|	2.95
55.000	0.00	0.13	0.224	O	|	|	|	|	2.94
55.083	0.00	0.13	0.223	O	|	|	|	|	2.93
55.167	0.00	0.13	0.223	O	|	|	|	|	2.93
55.250	0.00	0.13	0.222	O	|	|	|	|	2.92
55.333	0.00	0.13	0.221	O	|	|	|	|	2.91
55.417	0.00	0.13	0.220	O	|	|	|	|	2.90
55.500	0.00	0.13	0.219	O	|	|	|	|	2.89
55.583	0.00	0.13	0.218	O	|	|	|	|	2.88
55.667	0.00	0.13	0.217	O	|	|	|	|	2.87
55.750	0.00	0.13	0.216	O	|	|	|	|	2.86
55.833	0.00	0.13	0.215	O	|	|	|	|	2.85
55.917	0.00	0.13	0.214	O	|	|	|	|	2.84
56.000	0.00	0.13	0.214	O	|	|	|	|	2.84

56.083	0.00	0.13	0.213	O	|	|	|	|	2.83
56.167	0.00	0.13	0.212	O	|	|	|	|	2.82
56.250	0.00	0.13	0.211	O	|	|	|	|	2.81
56.333	0.00	0.13	0.210	O	|	|	|	|	2.80
56.417	0.00	0.13	0.209	O	|	|	|	|	2.79
56.500	0.00	0.13	0.208	O	|	|	|	|	2.78
56.583	0.00	0.13	0.207	O	|	|	|	|	2.77
56.667	0.00	0.13	0.206	O	|	|	|	|	2.76
56.750	0.00	0.13	0.206	O	|	|	|	|	2.76
56.833	0.00	0.13	0.205	O	|	|	|	|	2.75
56.917	0.00	0.13	0.204	O	|	|	|	|	2.74
57.000	0.00	0.13	0.203	O	|	|	|	|	2.73
57.083	0.00	0.13	0.202	O	|	|	|	|	2.72
57.167	0.00	0.13	0.201	O	|	|	|	|	2.71
57.250	0.00	0.13	0.200	O	|	|	|	|	2.70
57.333	0.00	0.13	0.199	O	|	|	|	|	2.68
57.417	0.00	0.13	0.198	O	|	|	|	|	2.67
57.500	0.00	0.13	0.197	O	|	|	|	|	2.65
57.583	0.00	0.13	0.197	O	|	|	|	|	2.63
57.667	0.00	0.13	0.196	O	|	|	|	|	2.61
57.750	0.00	0.13	0.195	O	|	|	|	|	2.60
57.833	0.00	0.13	0.194	O	|	|	|	|	2.58
57.917	0.00	0.13	0.193	O	|	|	|	|	2.56
58.000	0.00	0.13	0.192	O	|	|	|	|	2.54
58.083	0.00	0.13	0.191	O	|	|	|	|	2.52
58.167	0.00	0.13	0.190	O	|	|	|	|	2.51
58.250	0.00	0.13	0.189	O	|	|	|	|	2.49
58.333	0.00	0.13	0.188	O	|	|	|	|	2.47
58.417	0.00	0.13	0.188	O	|	|	|	|	2.45
58.500	0.00	0.13	0.187	O	|	|	|	|	2.43
58.583	0.00	0.13	0.186	O	|	|	|	|	2.42
58.667	0.00	0.13	0.185	O	|	|	|	|	2.40
58.750	0.00	0.13	0.184	O	|	|	|	|	2.38
58.833	0.00	0.13	0.183	O	|	|	|	|	2.36
58.917	0.00	0.13	0.182	O	|	|	|	|	2.34
59.000	0.00	0.13	0.181	O	|	|	|	|	2.33
59.083	0.00	0.13	0.180	O	|	|	|	|	2.31
59.167	0.00	0.13	0.180	O	|	|	|	|	2.30
59.250	0.00	0.13	0.179	O	|	|	|	|	2.29
59.333	0.00	0.13	0.178	O	|	|	|	|	2.28
59.417	0.00	0.13	0.177	O	|	|	|	|	2.27
59.500	0.00	0.13	0.176	O	|	|	|	|	2.26
59.583	0.00	0.13	0.175	O	|	|	|	|	2.25
59.667	0.00	0.13	0.174	O	|	|	|	|	2.24
59.750	0.00	0.13	0.173	O	|	|	|	|	2.23
59.833	0.00	0.13	0.172	O	|	|	|	|	2.22
59.917	0.00	0.13	0.171	O	|	|	|	|	2.21
60.000	0.00	0.13	0.171	O	|	|	|	|	2.21
60.083	0.00	0.13	0.170	O	|	|	|	|	2.20
60.167	0.00	0.13	0.169	O	|	|	|	|	2.19
60.250	0.00	0.13	0.168	O	|	|	|	|	2.18
60.333	0.00	0.13	0.167	O	|	|	|	|	2.17
60.417	0.00	0.13	0.166	O	|	|	|	|	2.16
60.500	0.00	0.13	0.165	O	|	|	|	|	2.15
60.583	0.00	0.13	0.164	O	|	|	|	|	2.14
60.667	0.00	0.13	0.163	O	|	|	|	|	2.13
60.750	0.00	0.13	0.163	O	|	|	|	|	2.13
60.833	0.00	0.13	0.162	O	|	|	|	|	2.12
60.917	0.00	0.13	0.161	O	|	|	|	|	2.11
61.000	0.00	0.13	0.160	O	|	|	|	|	2.10
61.083	0.00	0.13	0.159	O	|	|	|	|	2.09
61.167	0.00	0.13	0.158	O	|	|	|	|	2.08
61.250	0.00	0.13	0.157	O	|	|	|	|	2.07
61.333	0.00	0.13	0.156	O	|	|	|	|	2.06
61.417	0.00	0.13	0.155	O	|	|	|	|	2.05
61.500	0.00	0.13	0.154	O	|	|	|	|	2.04
61.583	0.00	0.13	0.154	O	|	|	|	|	2.04
61.667	0.00	0.13	0.153	O	|	|	|	|	2.03

61.750	0.00	0.13	0.152	O	|	|	|	|	2.02
61.833	0.00	0.13	0.151	O	|	|	|	|	2.01
61.917	0.00	0.13	0.150	O	|	|	|	|	2.00
62.000	0.00	0.13	0.149	O	|	|	|	|	1.99
62.083	0.00	0.13	0.148	O	|	|	|	|	1.97
62.167	0.00	0.13	0.147	O	|	|	|	|	1.96
62.250	0.00	0.13	0.146	O	|	|	|	|	1.95
62.333	0.00	0.13	0.146	O	|	|	|	|	1.93
62.417	0.00	0.13	0.145	O	|	|	|	|	1.92
62.500	0.00	0.13	0.144	O	|	|	|	|	1.91
62.583	0.00	0.13	0.143	O	|	|	|	|	1.89
62.667	0.00	0.13	0.142	O	|	|	|	|	1.88
62.750	0.00	0.13	0.141	O	|	|	|	|	1.87
62.833	0.00	0.13	0.140	O	|	|	|	|	1.85
62.917	0.00	0.13	0.139	O	|	|	|	|	1.84
63.000	0.00	0.13	0.138	O	|	|	|	|	1.83
63.083	0.00	0.13	0.137	O	|	|	|	|	1.81
63.167	0.00	0.13	0.137	O	|	|	|	|	1.80
63.250	0.00	0.13	0.136	O	|	|	|	|	1.79
63.333	0.00	0.13	0.135	O	|	|	|	|	1.77
63.417	0.00	0.13	0.134	O	|	|	|	|	1.76
63.500	0.00	0.13	0.133	O	|	|	|	|	1.74
63.583	0.00	0.13	0.132	O	|	|	|	|	1.73
63.667	0.00	0.13	0.131	O	|	|	|	|	1.72
63.750	0.00	0.13	0.130	O	|	|	|	|	1.70
63.833	0.00	0.13	0.129	O	|	|	|	|	1.69
63.917	0.00	0.13	0.129	O	|	|	|	|	1.68
64.000	0.00	0.13	0.128	O	|	|	|	|	1.67
64.083	0.00	0.13	0.127	O	|	|	|	|	1.66
64.167	0.00	0.13	0.126	O	|	|	|	|	1.64
64.250	0.00	0.13	0.125	O	|	|	|	|	1.63
64.333	0.00	0.13	0.124	O	|	|	|	|	1.62
64.417	0.00	0.13	0.123	O	|	|	|	|	1.61
64.500	0.00	0.13	0.122	O	|	|	|	|	1.60
64.583	0.00	0.13	0.121	O	|	|	|	|	1.58
64.667	0.00	0.13	0.120	O	|	|	|	|	1.57
64.750	0.00	0.13	0.120	O	|	|	|	|	1.56
64.833	0.00	0.13	0.119	O	|	|	|	|	1.55
64.917	0.00	0.13	0.118	O	|	|	|	|	1.54
65.000	0.00	0.13	0.117	O	|	|	|	|	1.52
65.083	0.00	0.13	0.116	O	|	|	|	|	1.51
65.167	0.00	0.13	0.115	O	|	|	|	|	1.50
65.250	0.00	0.13	0.114	O	|	|	|	|	1.49
65.333	0.00	0.13	0.113	O	|	|	|	|	1.48
65.417	0.00	0.13	0.112	O	|	|	|	|	1.47
65.500	0.00	0.13	0.111	O	|	|	|	|	1.45
65.583	0.00	0.13	0.111	O	|	|	|	|	1.44
65.667	0.00	0.13	0.110	O	|	|	|	|	1.43
65.750	0.00	0.13	0.109	O	|	|	|	|	1.42
65.833	0.00	0.13	0.108	O	|	|	|	|	1.41
65.917	0.00	0.13	0.107	O	|	|	|	|	1.39
66.000	0.00	0.13	0.106	O	|	|	|	|	1.38
66.083	0.00	0.13	0.105	O	|	|	|	|	1.37
66.167	0.00	0.13	0.104	O	|	|	|	|	1.36
66.250	0.00	0.13	0.103	O	|	|	|	|	1.35
66.333	0.00	0.13	0.103	O	|	|	|	|	1.33
66.417	0.00	0.13	0.102	O	|	|	|	|	1.32
66.500	0.00	0.13	0.101	O	|	|	|	|	1.31
66.583	0.00	0.13	0.100	O	|	|	|	|	1.30
66.667	0.00	0.13	0.099	O	|	|	|	|	1.28
66.750	0.00	0.13	0.098	O	|	|	|	|	1.27
66.833	0.00	0.13	0.097	O	|	|	|	|	1.26
66.917	0.00	0.13	0.096	O	|	|	|	|	1.24
67.000	0.00	0.13	0.095	O	|	|	|	|	1.23
67.083	0.00	0.13	0.094	O	|	|	|	|	1.22
67.167	0.00	0.13	0.094	O	|	|	|	|	1.20
67.250	0.00	0.13	0.093	O	|	|	|	|	1.19
67.333	0.00	0.13	0.092	O	|	|	|	|	1.18

67.417	0.00	0.13	0.091	O	|	|	|	|	1.16
67.500	0.00	0.13	0.090	O	|	|	|	|	1.15
67.583	0.00	0.13	0.089	O	|	|	|	|	1.14
67.667	0.00	0.13	0.088	O	|	|	|	|	1.12
67.750	0.00	0.13	0.087	O	|	|	|	|	1.11
67.833	0.00	0.13	0.086	O	|	|	|	|	1.10
67.917	0.00	0.13	0.086	O	|	|	|	|	1.08
68.000	0.00	0.13	0.085	O	|	|	|	|	1.07
68.083	0.00	0.13	0.084	O	|	|	|	|	1.06
68.167	0.00	0.13	0.083	O	|	|	|	|	1.04
68.250	0.00	0.13	0.082	O	|	|	|	|	1.03
68.333	0.00	0.13	0.081	O	|	|	|	|	1.02
68.417	0.00	0.13	0.080	O	|	|	|	|	1.00
68.500	0.00	0.13	0.079	O	|	|	|	|	0.99
68.583	0.00	0.13	0.078	O	|	|	|	|	0.98
68.667	0.00	0.13	0.078	O	|	|	|	|	0.97
68.750	0.00	0.12	0.077	O	|	|	|	|	0.96
68.833	0.00	0.12	0.076	O	|	|	|	|	0.95
68.917	0.00	0.12	0.075	O	|	|	|	|	0.94
69.000	0.00	0.12	0.074	O	|	|	|	|	0.93
69.083	0.00	0.12	0.073	O	|	|	|	|	0.92
69.167	0.00	0.12	0.072	O	|	|	|	|	0.91
69.250	0.00	0.12	0.072	O	|	|	|	|	0.90
69.333	0.00	0.12	0.071	O	|	|	|	|	0.89
69.417	0.00	0.11	0.070	O	|	|	|	|	0.88
69.500	0.00	0.11	0.069	O	|	|	|	|	0.87
69.583	0.00	0.11	0.069	O	|	|	|	|	0.86
69.667	0.00	0.11	0.068	O	|	|	|	|	0.85
69.750	0.00	0.11	0.067	O	|	|	|	|	0.84
69.833	0.00	0.11	0.066	O	|	|	|	|	0.83
69.917	0.00	0.11	0.066	O	|	|	|	|	0.82
70.000	0.00	0.11	0.065	O	|	|	|	|	0.81
70.083	0.00	0.10	0.064	O	|	|	|	|	0.80
70.167	0.00	0.10	0.063	O	|	|	|	|	0.79
70.250	0.00	0.10	0.063	O	|	|	|	|	0.78
70.333	0.00	0.10	0.062	O	|	|	|	|	0.77
70.417	0.00	0.10	0.061	O	|	|	|	|	0.77
70.500	0.00	0.10	0.061	O	|	|	|	|	0.76
70.583	0.00	0.10	0.060	O	|	|	|	|	0.75
70.667	0.00	0.10	0.059	O	|	|	|	|	0.74
70.750	0.00	0.10	0.059	O	|	|	|	|	0.73
70.833	0.00	0.09	0.058	O	|	|	|	|	0.72
70.917	0.00	0.09	0.057	O	|	|	|	|	0.72
71.000	0.00	0.09	0.057	O	|	|	|	|	0.71
71.083	0.00	0.09	0.056	O	|	|	|	|	0.70
71.167	0.00	0.09	0.055	O	|	|	|	|	0.69
71.250	0.00	0.09	0.055	O	|	|	|	|	0.68
71.333	0.00	0.09	0.054	O	|	|	|	|	0.68
71.417	0.00	0.09	0.054	O	|	|	|	|	0.67
71.500	0.00	0.09	0.053	O	|	|	|	|	0.66
71.583	0.00	0.09	0.052	O	|	|	|	|	0.65
71.667	0.00	0.08	0.052	O	|	|	|	|	0.65
71.750	0.00	0.08	0.051	O	|	|	|	|	0.64
71.833	0.00	0.08	0.051	O	|	|	|	|	0.63
71.917	0.00	0.08	0.050	O	|	|	|	|	0.63
72.000	0.00	0.08	0.050	O	|	|	|	|	0.62
72.083	0.00	0.08	0.049	O	|	|	|	|	0.61
72.167	0.00	0.08	0.048	O	|	|	|	|	0.61
72.250	0.00	0.08	0.048	O	|	|	|	|	0.60
72.333	0.00	0.08	0.047	O	|	|	|	|	0.59
72.417	0.00	0.08	0.047	O	|	|	|	|	0.59
72.500	0.00	0.08	0.046	O	|	|	|	|	0.58
72.583	0.00	0.07	0.046	O	|	|	|	|	0.57
72.667	0.00	0.07	0.045	O	|	|	|	|	0.57
72.750	0.00	0.07	0.045	O	|	|	|	|	0.56
72.833	0.00	0.07	0.044	O	|	|	|	|	0.55
72.917	0.00	0.07	0.044	O	|	|	|	|	0.55
73.000	0.00	0.07	0.043	O	|	|	|	|	0.54

73.083	0.00	0.07	0.043	O	|	|	|	|	0.54
73.167	0.00	0.07	0.042	O	|	|	|	|	0.53
73.250	0.00	0.07	0.042	O	|	|	|	|	0.52
73.333	0.00	0.07	0.041	O	|	|	|	|	0.52
73.417	0.00	0.07	0.041	O	|	|	|	|	0.51
73.500	0.00	0.07	0.041	O	|	|	|	|	0.51
73.583	0.00	0.07	0.040	O	|	|	|	|	0.50
73.667	0.00	0.06	0.040	O	|	|	|	|	0.50
73.750	0.00	0.06	0.039	O	|	|	|	|	0.49
73.833	0.00	0.06	0.039	O	|	|	|	|	0.48
73.917	0.00	0.06	0.038	O	|	|	|	|	0.48
74.000	0.00	0.06	0.038	O	|	|	|	|	0.47
74.083	0.00	0.06	0.037	O	|	|	|	|	0.47
74.167	0.00	0.06	0.037	O	|	|	|	|	0.46
74.250	0.00	0.06	0.037	O	|	|	|	|	0.46
74.333	0.00	0.06	0.036	O	|	|	|	|	0.45
74.417	0.00	0.06	0.036	O	|	|	|	|	0.45
74.500	0.00	0.06	0.035	O	|	|	|	|	0.44
74.583	0.00	0.06	0.035	O	|	|	|	|	0.44
74.667	0.00	0.06	0.035	O	|	|	|	|	0.43
74.750	0.00	0.06	0.034	O	|	|	|	|	0.43
74.833	0.00	0.06	0.034	O	|	|	|	|	0.42
74.917	0.00	0.05	0.033	O	|	|	|	|	0.42
75.000	0.00	0.05	0.033	O	|	|	|	|	0.41
75.083	0.00	0.05	0.033	O	|	|	|	|	0.41
75.167	0.00	0.05	0.032	O	|	|	|	|	0.40
75.250	0.00	0.05	0.032	O	|	|	|	|	0.40
75.333	0.00	0.05	0.032	O	|	|	|	|	0.40
75.417	0.00	0.05	0.031	O	|	|	|	|	0.39
75.500	0.00	0.05	0.031	O	|	|	|	|	0.39
75.583	0.00	0.05	0.031	O	|	|	|	|	0.38
75.667	0.00	0.05	0.030	O	|	|	|	|	0.38
75.750	0.00	0.05	0.030	O	|	|	|	|	0.37
75.833	0.00	0.05	0.030	O	|	|	|	|	0.37
75.917	0.00	0.05	0.029	O	|	|	|	|	0.37
76.000	0.00	0.05	0.029	O	|	|	|	|	0.36
76.083	0.00	0.05	0.029	O	|	|	|	|	0.36
76.167	0.00	0.05	0.028	O	|	|	|	|	0.35
76.250	0.00	0.05	0.028	O	|	|	|	|	0.35
76.333	0.00	0.04	0.028	O	|	|	|	|	0.35
76.417	0.00	0.04	0.027	O	|	|	|	|	0.34
76.500	0.00	0.04	0.027	O	|	|	|	|	0.34
76.583	0.00	0.04	0.027	O	|	|	|	|	0.33
76.667	0.00	0.04	0.026	O	|	|	|	|	0.33
76.750	0.00	0.04	0.026	O	|	|	|	|	0.33
76.833	0.00	0.04	0.026	O	|	|	|	|	0.32
76.917	0.00	0.04	0.026	O	|	|	|	|	0.32
77.000	0.00	0.04	0.025	O	|	|	|	|	0.32
77.083	0.00	0.04	0.025	O	|	|	|	|	0.31
77.167	0.00	0.04	0.025	O	|	|	|	|	0.31
77.250	0.00	0.04	0.024	O	|	|	|	|	0.31
77.333	0.00	0.04	0.024	O	|	|	|	|	0.30
77.417	0.00	0.04	0.024	O	|	|	|	|	0.30
77.500	0.00	0.04	0.024	O	|	|	|	|	0.30
77.583	0.00	0.04	0.023	O	|	|	|	|	0.29
77.667	0.00	0.04	0.023	O	|	|	|	|	0.29
77.750	0.00	0.04	0.023	O	|	|	|	|	0.29
77.833	0.00	0.04	0.023	O	|	|	|	|	0.28
77.917	0.00	0.04	0.022	O	|	|	|	|	0.28
78.000	0.00	0.04	0.022	O	|	|	|	|	0.28
78.083	0.00	0.04	0.022	O	|	|	|	|	0.27
78.167	0.00	0.04	0.022	O	|	|	|	|	0.27
78.250	0.00	0.03	0.021	O	|	|	|	|	0.27
78.333	0.00	0.03	0.021	O	|	|	|	|	0.26
78.417	0.00	0.03	0.021	O	|	|	|	|	0.26
78.500	0.00	0.03	0.021	O	|	|	|	|	0.26
78.583	0.00	0.03	0.020	O	|	|	|	|	0.26
78.667	0.00	0.03	0.020	O	|	|	|	|	0.25

78.750	0.00	0.03	0.020	O	|	|	|	|	0.25
78.833	0.00	0.03	0.020	O	|	|	|	|	0.25
78.917	0.00	0.03	0.020	O	|	|	|	|	0.24
79.000	0.00	0.03	0.019	O	|	|	|	|	0.24
79.083	0.00	0.03	0.019	O	|	|	|	|	0.24
79.167	0.00	0.03	0.019	O	|	|	|	|	0.24
79.250	0.00	0.03	0.019	O	|	|	|	|	0.23
79.333	0.00	0.03	0.019	O	|	|	|	|	0.23
79.417	0.00	0.03	0.018	O	|	|	|	|	0.23
79.500	0.00	0.03	0.018	O	|	|	|	|	0.23
79.583	0.00	0.03	0.018	O	|	|	|	|	0.22
79.667	0.00	0.03	0.018	O	|	|	|	|	0.22
79.750	0.00	0.03	0.017	O	|	|	|	|	0.22
79.833	0.00	0.03	0.017	O	|	|	|	|	0.22
79.917	0.00	0.03	0.017	O	|	|	|	|	0.21
80.000	0.00	0.03	0.017	O	|	|	|	|	0.21
80.083	0.00	0.03	0.017	O	|	|	|	|	0.21
80.167	0.00	0.03	0.017	O	|	|	|	|	0.21
80.250	0.00	0.03	0.016	O	|	|	|	|	0.20
80.333	0.00	0.03	0.016	O	|	|	|	|	0.20
80.417	0.00	0.03	0.016	O	|	|	|	|	0.20
80.500	0.00	0.03	0.016	O	|	|	|	|	0.20
80.583	0.00	0.03	0.016	O	|	|	|	|	0.20
80.667	0.00	0.03	0.015	O	|	|	|	|	0.19
80.750	0.00	0.02	0.015	O	|	|	|	|	0.19
80.833	0.00	0.02	0.015	O	|	|	|	|	0.19
80.917	0.00	0.02	0.015	O	|	|	|	|	0.19
81.000	0.00	0.02	0.015	O	|	|	|	|	0.18
81.083	0.00	0.02	0.015	O	|	|	|	|	0.18
81.167	0.00	0.02	0.014	O	|	|	|	|	0.18
81.250	0.00	0.02	0.014	O	|	|	|	|	0.18
81.333	0.00	0.02	0.014	O	|	|	|	|	0.18
81.417	0.00	0.02	0.014	O	|	|	|	|	0.17
81.500	0.00	0.02	0.014	O	|	|	|	|	0.17
81.583	0.00	0.02	0.014	O	|	|	|	|	0.17
81.667	0.00	0.02	0.014	O	|	|	|	|	0.17
81.750	0.00	0.02	0.013	O	|	|	|	|	0.17
81.833	0.00	0.02	0.013	O	|	|	|	|	0.17
81.917	0.00	0.02	0.013	O	|	|	|	|	0.16
82.000	0.00	0.02	0.013	O	|	|	|	|	0.16
82.083	0.00	0.02	0.013	O	|	|	|	|	0.16
82.167	0.00	0.02	0.013	O	|	|	|	|	0.16
82.250	0.00	0.02	0.013	O	|	|	|	|	0.16
82.333	0.00	0.02	0.012	O	|	|	|	|	0.15
82.417	0.00	0.02	0.012	O	|	|	|	|	0.15
82.500	0.00	0.02	0.012	O	|	|	|	|	0.15
82.583	0.00	0.02	0.012	O	|	|	|	|	0.15
82.667	0.00	0.02	0.012	O	|	|	|	|	0.15
82.750	0.00	0.02	0.012	O	|	|	|	|	0.15
82.833	0.00	0.02	0.012	O	|	|	|	|	0.14
82.917	0.00	0.02	0.011	O	|	|	|	|	0.14
83.000	0.00	0.02	0.011	O	|	|	|	|	0.14
83.083	0.00	0.02	0.011	O	|	|	|	|	0.14
83.167	0.00	0.02	0.011	O	|	|	|	|	0.14
83.250	0.00	0.02	0.011	O	|	|	|	|	0.14
83.333	0.00	0.02	0.011	O	|	|	|	|	0.14
83.417	0.00	0.02	0.011	O	|	|	|	|	0.13
83.500	0.00	0.02	0.011	O	|	|	|	|	0.13
83.583	0.00	0.02	0.010	O	|	|	|	|	0.13
83.667	0.00	0.02	0.010	O	|	|	|	|	0.13
83.750	0.00	0.02	0.010	O	|	|	|	|	0.13
83.833	0.00	0.02	0.010	O	|	|	|	|	0.13
83.917	0.00	0.02	0.010	O	|	|	|	|	0.12
84.000	0.00	0.02	0.010	O	|	|	|	|	0.12
84.083	0.00	0.02	0.010	O	|	|	|	|	0.12
84.167	0.00	0.02	0.010	O	|	|	|	|	0.12
84.250	0.00	0.02	0.010	O	|	|	|	|	0.12
84.333	0.00	0.02	0.009	O	|	|	|	|	0.12

84.417	0.00	0.02	0.009	O	|	|	|	|	0.12
84.500	0.00	0.02	0.009	O	|	|	|	|	0.12
84.583	0.00	0.01	0.009	O	|	|	|	|	0.11
84.667	0.00	0.01	0.009	O	|	|	|	|	0.11
84.750	0.00	0.01	0.009	O	|	|	|	|	0.11
84.833	0.00	0.01	0.009	O	|	|	|	|	0.11
84.917	0.00	0.01	0.009	O	|	|	|	|	0.11
85.000	0.00	0.01	0.009	O	|	|	|	|	0.11
85.083	0.00	0.01	0.009	O	|	|	|	|	0.11
85.167	0.00	0.01	0.008	O	|	|	|	|	0.11
85.250	0.00	0.01	0.008	O	|	|	|	|	0.10
85.333	0.00	0.01	0.008	O	|	|	|	|	0.10
85.417	0.00	0.01	0.008	O	|	|	|	|	0.10
85.500	0.00	0.01	0.008	O	|	|	|	|	0.10
85.583	0.00	0.01	0.008	O	|	|	|	|	0.10
85.667	0.00	0.01	0.008	O	|	|	|	|	0.10
85.750	0.00	0.01	0.008	O	|	|	|	|	0.10
85.833	0.00	0.01	0.008	O	|	|	|	|	0.10
85.917	0.00	0.01	0.008	O	|	|	|	|	0.10
86.000	0.00	0.01	0.008	O	|	|	|	|	0.09
86.083	0.00	0.01	0.007	O	|	|	|	|	0.09
86.167	0.00	0.01	0.007	O	|	|	|	|	0.09
86.250	0.00	0.01	0.007	O	|	|	|	|	0.09
86.333	0.00	0.01	0.007	O	|	|	|	|	0.09
86.417	0.00	0.01	0.007	O	|	|	|	|	0.09
86.500	0.00	0.01	0.007	O	|	|	|	|	0.09
86.583	0.00	0.01	0.007	O	|	|	|	|	0.09
86.667	0.00	0.01	0.007	O	|	|	|	|	0.09
86.750	0.00	0.01	0.007	O	|	|	|	|	0.09
86.833	0.00	0.01	0.007	O	|	|	|	|	0.08
86.917	0.00	0.01	0.007	O	|	|	|	|	0.08
87.000	0.00	0.01	0.007	O	|	|	|	|	0.08
87.083	0.00	0.01	0.007	O	|	|	|	|	0.08
87.167	0.00	0.01	0.006	O	|	|	|	|	0.08
87.250	0.00	0.01	0.006	O	|	|	|	|	0.08
87.333	0.00	0.01	0.006	O	|	|	|	|	0.08
87.417	0.00	0.01	0.006	O	|	|	|	|	0.08
87.500	0.00	0.01	0.006	O	|	|	|	|	0.08
87.583	0.00	0.01	0.006	O	|	|	|	|	0.08
87.667	0.00	0.01	0.006	O	|	|	|	|	0.08
87.750	0.00	0.01	0.006	O	|	|	|	|	0.07
87.833	0.00	0.01	0.006	O	|	|	|	|	0.07
87.917	0.00	0.01	0.006	O	|	|	|	|	0.07
88.000	0.00	0.01	0.006	O	|	|	|	|	0.07
88.083	0.00	0.01	0.006	O	|	|	|	|	0.07
88.167	0.00	0.01	0.006	O	|	|	|	|	0.07
88.250	0.00	0.01	0.006	O	|	|	|	|	0.07
88.333	0.00	0.01	0.006	O	|	|	|	|	0.07
88.417	0.00	0.01	0.005	O	|	|	|	|	0.07
88.500	0.00	0.01	0.005	O	|	|	|	|	0.07
88.583	0.00	0.01	0.005	O	|	|	|	|	0.07
88.667	0.00	0.01	0.005	O	|	|	|	|	0.07
88.750	0.00	0.01	0.005	O	|	|	|	|	0.07
88.833	0.00	0.01	0.005	O	|	|	|	|	0.06
88.917	0.00	0.01	0.005	O	|	|	|	|	0.06
89.000	0.00	0.01	0.005	O	|	|	|	|	0.06
89.083	0.00	0.01	0.005	O	|	|	|	|	0.06
89.167	0.00	0.01	0.005	O	|	|	|	|	0.06
89.250	0.00	0.01	0.005	O	|	|	|	|	0.06
89.333	0.00	0.01	0.005	O	|	|	|	|	0.06
89.417	0.00	0.01	0.005	O	|	|	|	|	0.06
89.500	0.00	0.01	0.005	O	|	|	|	|	0.06
89.583	0.00	0.01	0.005	O	|	|	|	|	0.06
89.667	0.00	0.01	0.005	O	|	|	|	|	0.06
89.750	0.00	0.01	0.005	O	|	|	|	|	0.06
89.833	0.00	0.01	0.005	O	|	|	|	|	0.06
89.917	0.00	0.01	0.004	O	|	|	|	|	0.06
90.000	0.00	0.01	0.004	O	|	|	|	|	0.06

90.083	0.00	0.01	0.004	O	|	|	|	|	0.05
90.167	0.00	0.01	0.004	O	|	|	|	|	0.05
90.250	0.00	0.01	0.004	O	|	|	|	|	0.05
90.333	0.00	0.01	0.004	O	|	|	|	|	0.05
90.417	0.00	0.01	0.004	O	|	|	|	|	0.05
90.500	0.00	0.01	0.004	O	|	|	|	|	0.05
90.583	0.00	0.01	0.004	O	|	|	|	|	0.05
90.667	0.00	0.01	0.004	O	|	|	|	|	0.05
90.750	0.00	0.01	0.004	O	|	|	|	|	0.05
90.833	0.00	0.01	0.004	O	|	|	|	|	0.05
90.917	0.00	0.01	0.004	O	|	|	|	|	0.05
91.000	0.00	0.01	0.004	O	|	|	|	|	0.05
91.083	0.00	0.01	0.004	O	|	|	|	|	0.05
91.167	0.00	0.01	0.004	O	|	|	|	|	0.05
91.250	0.00	0.01	0.004	O	|	|	|	|	0.05
91.333	0.00	0.01	0.004	O	|	|	|	|	0.05
91.417	0.00	0.01	0.004	O	|	|	|	|	0.05
91.500	0.00	0.01	0.004	O	|	|	|	|	0.05
91.583	0.00	0.01	0.004	O	|	|	|	|	0.04
91.667	0.00	0.01	0.004	O	|	|	|	|	0.04
91.750	0.00	0.01	0.003	O	|	|	|	|	0.04
91.833	0.00	0.01	0.003	O	|	|	|	|	0.04
91.917	0.00	0.01	0.003	O	|	|	|	|	0.04
92.000	0.00	0.01	0.003	O	|	|	|	|	0.04
92.083	0.00	0.01	0.003	O	|	|	|	|	0.04
92.167	0.00	0.01	0.003	O	|	|	|	|	0.04
92.250	0.00	0.01	0.003	O	|	|	|	|	0.04
92.333	0.00	0.01	0.003	O	|	|	|	|	0.04
92.417	0.00	0.01	0.003	O	|	|	|	|	0.04
92.500	0.00	0.01	0.003	O	|	|	|	|	0.04
92.583	0.00	0.01	0.003	O	|	|	|	|	0.04
92.667	0.00	0.01	0.003	O	|	|	|	|	0.04
92.750	0.00	0.00	0.003	O	|	|	|	|	0.04
92.833	0.00	0.00	0.003	O	|	|	|	|	0.04
92.917	0.00	0.00	0.003	O	|	|	|	|	0.04
93.000	0.00	0.00	0.003	O	|	|	|	|	0.04
93.083	0.00	0.00	0.003	O	|	|	|	|	0.04
93.167	0.00	0.00	0.003	O	|	|	|	|	0.04
93.250	0.00	0.00	0.003	O	|	|	|	|	0.04
93.333	0.00	0.00	0.003	O	|	|	|	|	0.04
93.417	0.00	0.00	0.003	O	|	|	|	|	0.03
93.500	0.00	0.00	0.003	O	|	|	|	|	0.03
93.583	0.00	0.00	0.003	O	|	|	|	|	0.03
93.667	0.00	0.00	0.003	O	|	|	|	|	0.03
93.750	0.00	0.00	0.003	O	|	|	|	|	0.03
93.833	0.00	0.00	0.003	O	|	|	|	|	0.03
93.917	0.00	0.00	0.003	O	|	|	|	|	0.03
94.000	0.00	0.00	0.003	O	|	|	|	|	0.03
94.083	0.00	0.00	0.003	O	|	|	|	|	0.03
94.167	0.00	0.00	0.003	O	|	|	|	|	0.03
94.250	0.00	0.00	0.002	O	|	|	|	|	0.03
94.333	0.00	0.00	0.002	O	|	|	|	|	0.03
94.417	0.00	0.00	0.002	O	|	|	|	|	0.03
94.500	0.00	0.00	0.002	O	|	|	|	|	0.03
94.583	0.00	0.00	0.002	O	|	|	|	|	0.03
94.667	0.00	0.00	0.002	O	|	|	|	|	0.03
94.750	0.00	0.00	0.002	O	|	|	|	|	0.03
94.833	0.00	0.00	0.002	O	|	|	|	|	0.03
94.917	0.00	0.00	0.002	O	|	|	|	|	0.03
95.000	0.00	0.00	0.002	O	|	|	|	|	0.03
95.083	0.00	0.00	0.002	O	|	|	|	|	0.03
95.167	0.00	0.00	0.002	O	|	|	|	|	0.03
95.250	0.00	0.00	0.002	O	|	|	|	|	0.03
95.333	0.00	0.00	0.002	O	|	|	|	|	0.03
95.417	0.00	0.00	0.002	O	|	|	|	|	0.03
95.500	0.00	0.00	0.002	O	|	|	|	|	0.03
95.583	0.00	0.00	0.002	O	|	|	|	|	0.03
95.667	0.00	0.00	0.002	O	|	|	|	|	0.03

95.750	0.00	0.00	0.002	O	|	|	|	|	0.03
95.833	0.00	0.00	0.002	O	|	|	|	|	0.03
95.917	0.00	0.00	0.002	O	|	|	|	|	0.02
96.000	0.00	0.00	0.002	O	|	|	|	|	0.02
96.083	0.00	0.00	0.002	O	|	|	|	|	0.02
96.167	0.00	0.00	0.002	O	|	|	|	|	0.02
96.250	0.00	0.00	0.002	O	|	|	|	|	0.02
96.333	0.00	0.00	0.002	O	|	|	|	|	0.02
96.417	0.00	0.00	0.002	O	|	|	|	|	0.02
96.500	0.00	0.00	0.002	O	|	|	|	|	0.02
96.583	0.00	0.00	0.002	O	|	|	|	|	0.02
96.667	0.00	0.00	0.002	O	|	|	|	|	0.02
96.750	0.00	0.00	0.002	O	|	|	|	|	0.02
96.833	0.00	0.00	0.002	O	|	|	|	|	0.02
96.917	0.00	0.00	0.002	O	|	|	|	|	0.02
97.000	0.00	0.00	0.002	O	|	|	|	|	0.02
97.083	0.00	0.00	0.002	O	|	|	|	|	0.02
97.167	0.00	0.00	0.002	O	|	|	|	|	0.02
97.250	0.00	0.00	0.002	O	|	|	|	|	0.02
97.333	0.00	0.00	0.002	O	|	|	|	|	0.02
97.417	0.00	0.00	0.002	O	|	|	|	|	0.02
97.500	0.00	0.00	0.002	O	|	|	|	|	0.02
97.583	0.00	0.00	0.002	O	|	|	|	|	0.02
97.667	0.00	0.00	0.002	O	|	|	|	|	0.02
97.750	0.00	0.00	0.002	O	|	|	|	|	0.02
97.833	0.00	0.00	0.002	O	|	|	|	|	0.02
97.917	0.00	0.00	0.002	O	|	|	|	|	0.02
98.000	0.00	0.00	0.002	O	|	|	|	|	0.02
98.083	0.00	0.00	0.001	O	|	|	|	|	0.02
98.167	0.00	0.00	0.001	O	|	|	|	|	0.02
98.250	0.00	0.00	0.001	O	|	|	|	|	0.02
98.333	0.00	0.00	0.001	O	|	|	|	|	0.02
98.417	0.00	0.00	0.001	O	|	|	|	|	0.02
98.500	0.00	0.00	0.001	O	|	|	|	|	0.02
98.583	0.00	0.00	0.001	O	|	|	|	|	0.02
98.667	0.00	0.00	0.001	O	|	|	|	|	0.02
98.750	0.00	0.00	0.001	O	|	|	|	|	0.02
98.833	0.00	0.00	0.001	O	|	|	|	|	0.02
98.917	0.00	0.00	0.001	O	|	|	|	|	0.02
99.000	0.00	0.00	0.001	O	|	|	|	|	0.02
99.083	0.00	0.00	0.001	O	|	|	|	|	0.02
99.167	0.00	0.00	0.001	O	|	|	|	|	0.02
99.250	0.00	0.00	0.001	O	|	|	|	|	0.02
99.333	0.00	0.00	0.001	O	|	|	|	|	0.02
99.417	0.00	0.00	0.001	O	|	|	|	|	0.02
99.500	0.00	0.00	0.001	O	|	|	|	|	0.02
99.583	0.00	0.00	0.001	O	|	|	|	|	0.02
99.667	0.00	0.00	0.001	O	|	|	|	|	0.02
99.750	0.00	0.00	0.001	O	|	|	|	|	0.01
99.833	0.00	0.00	0.001	O	|	|	|	|	0.01
99.917	0.00	0.00	0.001	O	|	|	|	|	0.01
100.000	0.00	0.00	0.001	O	|	|	|	|	0.01
100.083	0.00	0.00	0.001	O	|	|	|	|	0.01
100.167	0.00	0.00	0.001	O	|	|	|	|	0.01
100.250	0.00	0.00	0.001	O	|	|	|	|	0.01
100.333	0.00	0.00	0.001	O	|	|	|	|	0.01
100.417	0.00	0.00	0.001	O	|	|	|	|	0.01
100.500	0.00	0.00	0.001	O	|	|	|	|	0.01
100.583	0.00	0.00	0.001	O	|	|	|	|	0.01
100.667	0.00	0.00	0.001	O	|	|	|	|	0.01
100.750	0.00	0.00	0.001	O	|	|	|	|	0.01
100.833	0.00	0.00	0.001	O	|	|	|	|	0.01
100.917	0.00	0.00	0.001	O	|	|	|	|	0.01
101.000	0.00	0.00	0.001	O	|	|	|	|	0.01
101.083	0.00	0.00	0.001	O	|	|	|	|	0.01
101.167	0.00	0.00	0.001	O	|	|	|	|	0.01
101.250	0.00	0.00	0.001	O	|	|	|	|	0.01
101.333	0.00	0.00	0.001	O	|	|	|	|	0.01

101.417	0.00	0.00	0.001	O	|	|	|	|	0.01
101.500	0.00	0.00	0.001	O	|	|	|	|	0.01
101.583	0.00	0.00	0.001	O	|	|	|	|	0.01
101.667	0.00	0.00	0.001	O	|	|	|	|	0.01
101.750	0.00	0.00	0.001	O	|	|	|	|	0.01
101.833	0.00	0.00	0.001	O	|	|	|	|	0.01
101.917	0.00	0.00	0.001	O	|	|	|	|	0.01
102.000	0.00	0.00	0.001	O	|	|	|	|	0.01
102.083	0.00	0.00	0.001	O	|	|	|	|	0.01
102.167	0.00	0.00	0.001	O	|	|	|	|	0.01
102.250	0.00	0.00	0.001	O	|	|	|	|	0.01
102.333	0.00	0.00	0.001	O	|	|	|	|	0.01
102.417	0.00	0.00	0.001	O	|	|	|	|	0.01
102.500	0.00	0.00	0.001	O	|	|	|	|	0.01
102.583	0.00	0.00	0.001	O	|	|	|	|	0.01
102.667	0.00	0.00	0.001	O	|	|	|	|	0.01
102.750	0.00	0.00	0.001	O	|	|	|	|	0.01
102.833	0.00	0.00	0.001	O	|	|	|	|	0.01
102.917	0.00	0.00	0.001	O	|	|	|	|	0.01
103.000	0.00	0.00	0.001	O	|	|	|	|	0.01
103.083	0.00	0.00	0.001	O	|	|	|	|	0.01
103.167	0.00	0.00	0.001	O	|	|	|	|	0.01
103.250	0.00	0.00	0.001	O	|	|	|	|	0.01
103.333	0.00	0.00	0.001	O	|	|	|	|	0.01
103.417	0.00	0.00	0.001	O	|	|	|	|	0.01
103.500	0.00	0.00	0.001	O	|	|	|	|	0.01
103.583	0.00	0.00	0.001	O	|	|	|	|	0.01
103.667	0.00	0.00	0.001	O	|	|	|	|	0.01
103.750	0.00	0.00	0.001	O	|	|	|	|	0.01
103.833	0.00	0.00	0.001	O	|	|	|	|	0.01
103.917	0.00	0.00	0.001	O	|	|	|	|	0.01
104.000	0.00	0.00	0.001	O	|	|	|	|	0.01
104.083	0.00	0.00	0.001	O	|	|	|	|	0.01
104.167	0.00	0.00	0.001	O	|	|	|	|	0.01
104.250	0.00	0.00	0.001	O	|	|	|	|	0.01
104.333	0.00	0.00	0.001	O	|	|	|	|	0.01
104.417	0.00	0.00	0.001	O	|	|	|	|	0.01
104.500	0.00	0.00	0.001	O	|	|	|	|	0.01
104.583	0.00	0.00	0.001	O	|	|	|	|	0.01
104.667	0.00	0.00	0.001	O	|	|	|	|	0.01
104.750	0.00	0.00	0.001	O	|	|	|	|	0.01

```
      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =  1257
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =        0.956 (CFS)
                  Total volume =       1.302 (Ac.Ft)
            Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
      ***********************************************************************

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U n i t H y d r o g r a p h A n a l y s i s

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Study date 03/16/22 File: exa10024100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

EXISTING UNIT HYDROGRAPH
100-YR 24HR STORM
TTM# 38171

Drainage Area = 19.30(Ac.) = 0.030 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 19.30(Ac.) = 0.030 Sq. Mi.
Length along longest watercourse = 2086.00(Ft.)
Length along longest watercourse measured to centroid = 991.64(Ft.)
Length along longest watercourse = 0.395 Mi.
Length along longest watercourse measured to centroid = 0.188 Mi.
Difference in elevation = 144.00(Ft.)
Slope along watercourse = 364.4871 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.087 Hr.
Lag time = 5.24 Min.
25% of lag time = 1.31 Min.
40% of lag time = 2.10 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
19.30	2.50	48.25

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
19.30	6.00	115.80

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.500(In)
Area Averaged 100-Year Rainfall = 6.000(In)

Point rain (area averaged) = 6.000(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 6.000(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
19.300	86.00	0.000

Total Area Entered = 19.30(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
86.0	94.4	0.073	0.000	0.073	1.000	0.073
					Sum (F) =	0.073

Area averaged mean soil loss (F) (In/Hr) = 0.073

Minimum soil loss rate ((In/Hr)) = 0.036
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	95.379	17.788	3.460
2	0.167	190.758	47.940	9.325
3	0.250	286.138	16.389	3.188
4	0.333	381.517	7.317	1.423
5	0.417	476.896	4.171	0.811
6	0.500	572.275	2.703	0.526
7	0.583	667.654	1.749	0.340
8	0.667	763.034	1.097	0.213
9	0.750	858.413	0.847	0.165
		Sum = 100.000	Sum=	19.451

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.07	0.048	(0.129)	0.043	0.005
2	0.17	0.07	0.048	(0.129)	0.043	0.005
3	0.25	0.07	0.048	(0.128)	0.043	0.005
4	0.33	0.10	0.072	(0.128)	0.065	0.007
5	0.42	0.10	0.072	(0.127)	0.065	0.007
6	0.50	0.10	0.072	(0.127)	0.065	0.007
7	0.58	0.10	0.072	(0.126)	0.065	0.007
8	0.67	0.10	0.072	(0.126)	0.065	0.007
9	0.75	0.10	0.072	(0.125)	0.065	0.007
10	0.83	0.13	0.096	(0.125)	0.086	0.010
11	0.92	0.13	0.096	(0.124)	0.086	0.010
12	1.00	0.13	0.096	(0.124)	0.086	0.010
13	1.08	0.10	0.072	(0.123)	0.065	0.007
14	1.17	0.10	0.072	(0.123)	0.065	0.007
15	1.25	0.10	0.072	(0.122)	0.065	0.007
16	1.33	0.10	0.072	(0.122)	0.065	0.007
17	1.42	0.10	0.072	(0.121)	0.065	0.007
18	1.50	0.10	0.072	(0.121)	0.065	0.007
19	1.58	0.10	0.072	(0.120)	0.065	0.007
20	1.67	0.10	0.072	(0.120)	0.065	0.007
21	1.75	0.10	0.072	(0.119)	0.065	0.007
22	1.83	0.13	0.096	(0.119)	0.086	0.010
23	1.92	0.13	0.096	(0.118)	0.086	0.010
24	2.00	0.13	0.096	(0.118)	0.086	0.010
25	2.08	0.13	0.096	(0.117)	0.086	0.010
26	2.17	0.13	0.096	(0.117)	0.086	0.010
27	2.25	0.13	0.096	(0.116)	0.086	0.010
28	2.33	0.13	0.096	(0.116)	0.086	0.010
29	2.42	0.13	0.096	(0.115)	0.086	0.010
30	2.50	0.13	0.096	(0.115)	0.086	0.010
31	2.58	0.17	0.120	(0.115)	0.108	0.012
32	2.67	0.17	0.120	(0.114)	0.108	0.012
33	2.75	0.17	0.120	(0.114)	0.108	0.012
34	2.83	0.17	0.120	(0.113)	0.108	0.012
35	2.92	0.17	0.120	(0.113)	0.108	0.012
36	3.00	0.17	0.120	(0.112)	0.108	0.012
37	3.08	0.17	0.120	(0.112)	0.108	0.012

38	3.17	0.17	0.120	(0.111)	0.108	0.012
39	3.25	0.17	0.120	(0.111)	0.108	0.012
40	3.33	0.17	0.120	(0.110)	0.108	0.012
41	3.42	0.17	0.120	(0.110)	0.108	0.012
42	3.50	0.17	0.120	(0.109)	0.108	0.012
43	3.58	0.17	0.120	(0.109)	0.108	0.012
44	3.67	0.17	0.120	(0.108)	0.108	0.012
45	3.75	0.17	0.120	(0.108)	0.108	0.012
46	3.83	0.20	0.144	0.108	(0.130)	0.036
47	3.92	0.20	0.144	0.107	(0.130)	0.037
48	4.00	0.20	0.144	0.107	(0.130)	0.037
49	4.08	0.20	0.144	0.106	(0.130)	0.038
50	4.17	0.20	0.144	0.106	(0.130)	0.038
51	4.25	0.20	0.144	0.105	(0.130)	0.039
52	4.33	0.23	0.168	0.105	(0.151)	0.063
53	4.42	0.23	0.168	0.104	(0.151)	0.064
54	4.50	0.23	0.168	0.104	(0.151)	0.064
55	4.58	0.23	0.168	0.104	(0.151)	0.064
56	4.67	0.23	0.168	0.103	(0.151)	0.065
57	4.75	0.23	0.168	0.103	(0.151)	0.065
58	4.83	0.27	0.192	0.102	(0.173)	0.090
59	4.92	0.27	0.192	0.102	(0.173)	0.090
60	5.00	0.27	0.192	0.101	(0.173)	0.091
61	5.08	0.20	0.144	0.101	(0.130)	0.043
62	5.17	0.20	0.144	0.100	(0.130)	0.044
63	5.25	0.20	0.144	0.100	(0.130)	0.044
64	5.33	0.23	0.168	0.100	(0.151)	0.068
65	5.42	0.23	0.168	0.099	(0.151)	0.069
66	5.50	0.23	0.168	0.099	(0.151)	0.069
67	5.58	0.27	0.192	0.098	(0.173)	0.094
68	5.67	0.27	0.192	0.098	(0.173)	0.094
69	5.75	0.27	0.192	0.097	(0.173)	0.095
70	5.83	0.27	0.192	0.097	(0.173)	0.095
71	5.92	0.27	0.192	0.097	(0.173)	0.095
72	6.00	0.27	0.192	0.096	(0.173)	0.096
73	6.08	0.30	0.216	0.096	(0.194)	0.120
74	6.17	0.30	0.216	0.095	(0.194)	0.121
75	6.25	0.30	0.216	0.095	(0.194)	0.121
76	6.33	0.30	0.216	0.094	(0.194)	0.122
77	6.42	0.30	0.216	0.094	(0.194)	0.122
78	6.50	0.30	0.216	0.094	(0.194)	0.122
79	6.58	0.33	0.240	0.093	(0.216)	0.147
80	6.67	0.33	0.240	0.093	(0.216)	0.147
81	6.75	0.33	0.240	0.092	(0.216)	0.148
82	6.83	0.33	0.240	0.092	(0.216)	0.148
83	6.92	0.33	0.240	0.091	(0.216)	0.149
84	7.00	0.33	0.240	0.091	(0.216)	0.149
85	7.08	0.33	0.240	0.091	(0.216)	0.149
86	7.17	0.33	0.240	0.090	(0.216)	0.150
87	7.25	0.33	0.240	0.090	(0.216)	0.150
88	7.33	0.37	0.264	0.089	(0.238)	0.175
89	7.42	0.37	0.264	0.089	(0.238)	0.175
90	7.50	0.37	0.264	0.089	(0.238)	0.175
91	7.58	0.40	0.288	0.088	(0.259)	0.200
92	7.67	0.40	0.288	0.088	(0.259)	0.200
93	7.75	0.40	0.288	0.087	(0.259)	0.201
94	7.83	0.43	0.312	0.087	(0.281)	0.225
95	7.92	0.43	0.312	0.087	(0.281)	0.225
96	8.00	0.43	0.312	0.086	(0.281)	0.226
97	8.08	0.50	0.360	0.086	(0.324)	0.274
98	8.17	0.50	0.360	0.085	(0.324)	0.275
99	8.25	0.50	0.360	0.085	(0.324)	0.275
100	8.33	0.50	0.360	0.085	(0.324)	0.275
101	8.42	0.50	0.360	0.084	(0.324)	0.276
102	8.50	0.50	0.360	0.084	(0.324)	0.276
103	8.58	0.53	0.384	0.083	(0.346)	0.301
104	8.67	0.53	0.384	0.083	(0.346)	0.301
105	8.75	0.53	0.384	0.083	(0.346)	0.301

106	8.83	0.57	0.408	0.082	(0.367)	0.326
107	8.92	0.57	0.408	0.082	(0.367)	0.326
108	9.00	0.57	0.408	0.081	(0.367)	0.327
109	9.08	0.63	0.456	0.081	(0.410)	0.375
110	9.17	0.63	0.456	0.081	(0.410)	0.375
111	9.25	0.63	0.456	0.080	(0.410)	0.376
112	9.33	0.67	0.480	0.080	(0.432)	0.400
113	9.42	0.67	0.480	0.080	(0.432)	0.400
114	9.50	0.67	0.480	0.079	(0.432)	0.401
115	9.58	0.70	0.504	0.079	(0.454)	0.425
116	9.67	0.70	0.504	0.078	(0.454)	0.426
117	9.75	0.70	0.504	0.078	(0.454)	0.426
118	9.83	0.73	0.528	0.078	(0.475)	0.450
119	9.92	0.73	0.528	0.077	(0.475)	0.451
120	10.00	0.73	0.528	0.077	(0.475)	0.451
121	10.08	0.50	0.360	0.077	(0.324)	0.283
122	10.17	0.50	0.360	0.076	(0.324)	0.284
123	10.25	0.50	0.360	0.076	(0.324)	0.284
124	10.33	0.50	0.360	0.075	(0.324)	0.285
125	10.42	0.50	0.360	0.075	(0.324)	0.285
126	10.50	0.50	0.360	0.075	(0.324)	0.285
127	10.58	0.67	0.480	0.074	(0.432)	0.406
128	10.67	0.67	0.480	0.074	(0.432)	0.406
129	10.75	0.67	0.480	0.074	(0.432)	0.406
130	10.83	0.67	0.480	0.073	(0.432)	0.407
131	10.92	0.67	0.480	0.073	(0.432)	0.407
132	11.00	0.67	0.480	0.072	(0.432)	0.407
133	11.08	0.63	0.456	0.072	(0.410)	0.384
134	11.17	0.63	0.456	0.072	(0.410)	0.384
135	11.25	0.63	0.456	0.071	(0.410)	0.385
136	11.33	0.63	0.456	0.071	(0.410)	0.385
137	11.42	0.63	0.456	0.071	(0.410)	0.385
138	11.50	0.63	0.456	0.070	(0.410)	0.386
139	11.58	0.57	0.408	0.070	(0.367)	0.338
140	11.67	0.57	0.408	0.070	(0.367)	0.338
141	11.75	0.57	0.408	0.069	(0.367)	0.339
142	11.83	0.60	0.432	0.069	(0.389)	0.363
143	11.92	0.60	0.432	0.069	(0.389)	0.363
144	12.00	0.60	0.432	0.068	(0.389)	0.364
145	12.08	0.83	0.600	0.068	(0.540)	0.532
146	12.17	0.83	0.600	0.068	(0.540)	0.532
147	12.25	0.83	0.600	0.067	(0.540)	0.533
148	12.33	0.87	0.624	0.067	(0.562)	0.557
149	12.42	0.87	0.624	0.067	(0.562)	0.557
150	12.50	0.87	0.624	0.066	(0.562)	0.558
151	12.58	0.93	0.672	0.066	(0.605)	0.606
152	12.67	0.93	0.672	0.066	(0.605)	0.606
153	12.75	0.93	0.672	0.065	(0.605)	0.607
154	12.83	0.97	0.696	0.065	(0.626)	0.631
155	12.92	0.97	0.696	0.065	(0.626)	0.631
156	13.00	0.97	0.696	0.064	(0.626)	0.632
157	13.08	1.13	0.816	0.064	(0.734)	0.752
158	13.17	1.13	0.816	0.064	(0.734)	0.752
159	13.25	1.13	0.816	0.063	(0.734)	0.753
160	13.33	1.13	0.816	0.063	(0.734)	0.753
161	13.42	1.13	0.816	0.063	(0.734)	0.753
162	13.50	1.13	0.816	0.062	(0.734)	0.754
163	13.58	0.77	0.552	0.062	(0.497)	0.490
164	13.67	0.77	0.552	0.062	(0.497)	0.490
165	13.75	0.77	0.552	0.061	(0.497)	0.491
166	13.83	0.77	0.552	0.061	(0.497)	0.491
167	13.92	0.77	0.552	0.061	(0.497)	0.491
168	14.00	0.77	0.552	0.060	(0.497)	0.492
169	14.08	0.90	0.648	0.060	(0.583)	0.588
170	14.17	0.90	0.648	0.060	(0.583)	0.588
171	14.25	0.90	0.648	0.060	(0.583)	0.588
172	14.33	0.87	0.624	0.059	(0.562)	0.565
173	14.42	0.87	0.624	0.059	(0.562)	0.565

174	14.50	0.87	0.624	0.059	(	0.562)	0.565
175	14.58	0.87	0.624	0.058	(	0.562)	0.566
176	14.67	0.87	0.624	0.058	(	0.562)	0.566
177	14.75	0.87	0.624	0.058	(	0.562)	0.566
178	14.83	0.83	0.600	0.057	(	0.540)	0.543
179	14.92	0.83	0.600	0.057	(	0.540)	0.543
180	15.00	0.83	0.600	0.057	(	0.540)	0.543
181	15.08	0.80	0.576	0.057	(	0.518)	0.519
182	15.17	0.80	0.576	0.056	(	0.518)	0.520
183	15.25	0.80	0.576	0.056	(	0.518)	0.520
184	15.33	0.77	0.552	0.056	(	0.497)	0.496
185	15.42	0.77	0.552	0.055	(	0.497)	0.497
186	15.50	0.77	0.552	0.055	(	0.497)	0.497
187	15.58	0.63	0.456	0.055	(	0.410)	0.401
188	15.67	0.63	0.456	0.055	(	0.410)	0.401
189	15.75	0.63	0.456	0.054	(	0.410)	0.402
190	15.83	0.63	0.456	0.054	(	0.410)	0.402
191	15.92	0.63	0.456	0.054	(	0.410)	0.402
192	16.00	0.63	0.456	0.053	(	0.410)	0.403
193	16.08	0.13	0.096	0.053	(	0.086)	0.043
194	16.17	0.13	0.096	0.053	(	0.086)	0.043
195	16.25	0.13	0.096	0.053	(	0.086)	0.043
196	16.33	0.13	0.096	0.052	(	0.086)	0.044
197	16.42	0.13	0.096	0.052	(	0.086)	0.044
198	16.50	0.13	0.096	0.052	(	0.086)	0.044
199	16.58	0.10	0.072	0.052	(	0.065)	0.020
200	16.67	0.10	0.072	0.051	(	0.065)	0.021
201	16.75	0.10	0.072	0.051	(	0.065)	0.021
202	16.83	0.10	0.072	0.051	(	0.065)	0.021
203	16.92	0.10	0.072	0.051	(	0.065)	0.021
204	17.00	0.10	0.072	0.050	(	0.065)	0.022
205	17.08	0.17	0.120	0.050	(	0.108)	0.070
206	17.17	0.17	0.120	0.050	(	0.108)	0.070
207	17.25	0.17	0.120	0.050	(	0.108)	0.070
208	17.33	0.17	0.120	0.049	(	0.108)	0.071
209	17.42	0.17	0.120	0.049	(	0.108)	0.071
210	17.50	0.17	0.120	0.049	(	0.108)	0.071
211	17.58	0.17	0.120	0.049	(	0.108)	0.071
212	17.67	0.17	0.120	0.048	(	0.108)	0.072
213	17.75	0.17	0.120	0.048	(	0.108)	0.072
214	17.83	0.13	0.096	0.048	(	0.086)	0.048
215	17.92	0.13	0.096	0.048	(	0.086)	0.048
216	18.00	0.13	0.096	0.047	(	0.086)	0.049
217	18.08	0.13	0.096	0.047	(	0.086)	0.049
218	18.17	0.13	0.096	0.047	(	0.086)	0.049
219	18.25	0.13	0.096	0.047	(	0.086)	0.049
220	18.33	0.13	0.096	0.046	(	0.086)	0.050
221	18.42	0.13	0.096	0.046	(	0.086)	0.050
222	18.50	0.13	0.096	0.046	(	0.086)	0.050
223	18.58	0.10	0.072	0.046	(	0.065)	0.026
224	18.67	0.10	0.072	0.046	(	0.065)	0.026
225	18.75	0.10	0.072	0.045	(	0.065)	0.027
226	18.83	0.07	0.048	(0.045)		0.043	0.005
227	18.92	0.07	0.048	(0.045)		0.043	0.005
228	19.00	0.07	0.048	(0.045)		0.043	0.005
229	19.08	0.10	0.072	0.044	(	0.065)	0.028
230	19.17	0.10	0.072	0.044	(	0.065)	0.028
231	19.25	0.10	0.072	0.044	(	0.065)	0.028
232	19.33	0.13	0.096	0.044	(	0.086)	0.052
233	19.42	0.13	0.096	0.044	(	0.086)	0.052
234	19.50	0.13	0.096	0.043	(	0.086)	0.053
235	19.58	0.10	0.072	0.043	(	0.065)	0.029
236	19.67	0.10	0.072	0.043	(	0.065)	0.029
237	19.75	0.10	0.072	0.043	(	0.065)	0.029
238	19.83	0.07	0.048	0.043	(	0.043)	0.005
239	19.92	0.07	0.048	0.042	(	0.043)	0.006
240	20.00	0.07	0.048	0.042	(	0.043)	0.006
241	20.08	0.10	0.072	0.042	(	0.065)	0.030

```
242  20.17     0.10      0.072          0.042    (  0.065)        0.030
243  20.25     0.10      0.072          0.042    (  0.065)        0.030
244  20.33     0.10      0.072          0.042    (  0.065)        0.030
245  20.42     0.10      0.072          0.041    (  0.065)        0.031
246  20.50     0.10      0.072          0.041    (  0.065)        0.031
247  20.58     0.10      0.072          0.041    (  0.065)        0.031
248  20.67     0.10      0.072          0.041    (  0.065)        0.031
249  20.75     0.10      0.072          0.041    (  0.065)        0.031
250  20.83     0.07      0.048          0.041    (  0.043)        0.007
251  20.92     0.07      0.048          0.040    (  0.043)        0.008
252  21.00     0.07      0.048          0.040    (  0.043)        0.008
253  21.08     0.10      0.072          0.040    (  0.065)        0.032
254  21.17     0.10      0.072          0.040    (  0.065)        0.032
255  21.25     0.10      0.072          0.040    (  0.065)        0.032
256  21.33     0.07      0.048          0.040    (  0.043)        0.008
257  21.42     0.07      0.048          0.039    (  0.043)        0.009
258  21.50     0.07      0.048          0.039    (  0.043)        0.009
259  21.58     0.10      0.072          0.039    (  0.065)        0.033
260  21.67     0.10      0.072          0.039    (  0.065)        0.033
261  21.75     0.10      0.072          0.039    (  0.065)        0.033
262  21.83     0.07      0.048          0.039    (  0.043)        0.009
263  21.92     0.07      0.048          0.039    (  0.043)        0.009
264  22.00     0.07      0.048          0.038    (  0.043)        0.010
265  22.08     0.10      0.072          0.038    (  0.065)        0.034
266  22.17     0.10      0.072          0.038    (  0.065)        0.034
267  22.25     0.10      0.072          0.038    (  0.065)        0.034
268  22.33     0.07      0.048          0.038    (  0.043)        0.010
269  22.42     0.07      0.048          0.038    (  0.043)        0.010
270  22.50     0.07      0.048          0.038    (  0.043)        0.010
271  22.58     0.07      0.048          0.038    (  0.043)        0.010
272  22.67     0.07      0.048          0.038    (  0.043)        0.010
273  22.75     0.07      0.048          0.037    (  0.043)        0.011
274  22.83     0.07      0.048          0.037    (  0.043)        0.011
275  22.92     0.07      0.048          0.037    (  0.043)        0.011
276  23.00     0.07      0.048          0.037    (  0.043)        0.011
277  23.08     0.07      0.048          0.037    (  0.043)        0.011
278  23.17     0.07      0.048          0.037    (  0.043)        0.011
279  23.25     0.07      0.048          0.037    (  0.043)        0.011
280  23.33     0.07      0.048          0.037    (  0.043)        0.011
281  23.42     0.07      0.048          0.037    (  0.043)        0.011
282  23.50     0.07      0.048          0.037    (  0.043)        0.011
283  23.58     0.07      0.048          0.037    (  0.043)        0.011
284  23.67     0.07      0.048          0.037    (  0.043)        0.011
285  23.75     0.07      0.048          0.036    (  0.043)        0.011
286  23.83     0.07      0.048          0.036    (  0.043)        0.012
287  23.92     0.07      0.048          0.036    (  0.043)        0.012
288  24.00     0.07      0.048          0.036    (  0.043)        0.012
            (Loss Rate Not Used)
    Sum =     100.0                                  Sum =    52.6
      Flood volume = Effective rainfall      4.38(In)
       times area      19.3(Ac.)/[(In)/(Ft.)] =       7.0(Ac.Ft)
      Total soil loss =      1.62(In)
      Total soil loss =     2.600(Ac.Ft)
      Total rainfall =      6.00(In)
      Flood volume =      307065.2 Cubic Feet
      Total soil loss =      113273.0 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =     14.570(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          24 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0        5.0      10.0      15.0      20.0
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0+ 5	0.0001	0.02	Q	|	|	|	|
0+10	0.0005	0.06	Q	|	|	|	|
0+15	0.0011	0.08	Q	|	|	|	|
0+20	0.0017	0.09	Q	|	|	|	|
0+25	0.0025	0.12	Q	|	|	|	|
0+30	0.0034	0.13	Q	|	|	|	|
0+35	0.0043	0.13	Q	|	|	|	|
0+40	0.0053	0.14	Q	|	|	|	|
0+45	0.0062	0.14	Q	|	|	|	|
0+50	0.0072	0.15	Q	|	|	|	|
0+55	0.0084	0.17	Q	|	|	|	|
1+ 0	0.0096	0.18	Q	|	|	|	|
1+ 5	0.0108	0.17	Q	|	|	|	|
1+10	0.0119	0.15	Q	|	|	|	|
1+15	0.0129	0.15	Q	|	|	|	|
1+20	0.0139	0.14	Q	|	|	|	|
1+25	0.0149	0.14	Q	|	|	|	|
1+30	0.0158	0.14	Q	|	|	|	|
1+35	0.0168	0.14	Q	|	|	|	|
1+40	0.0178	0.14	Q	|	|	|	|
1+45	0.0187	0.14	Q	|	|	|	|
1+50	0.0198	0.15	Q	|	|	|	|
1+55	0.0209	0.17	Q	|	|	|	|
2+ 0	0.0222	0.18	Q	|	|	|	|
2+ 5	0.0234	0.18	Q	|	|	|	|
2+10	0.0247	0.18	Q	|	|	|	|
2+15	0.0260	0.19	Q	|	|	|	|
2+20	0.0272	0.19	Q	|	|	|	|
2+25	0.0285	0.19	Q	|	|	|	|
2+30	0.0298	0.19	Q	|	|	|	|
2+35	0.0312	0.20	Q	|	|	|	|
2+40	0.0327	0.22	Q	|	|	|	|
2+45	0.0342	0.23	Q	|	|	|	|
2+50	0.0358	0.23	Q	|	|	|	|
2+55	0.0374	0.23	Q	|	|	|	|
3+ 0	0.0390	0.23	Q	|	|	|	|
3+ 5	0.0406	0.23	Q	|	|	|	|
3+10	0.0422	0.23	Q	|	|	|	|
3+15	0.0438	0.23	Q	|	|	|	|
3+20	0.0454	0.23	Q	|	|	|	|
3+25	0.0470	0.23	Q	|	|	|	|
3+30	0.0486	0.23	Q	|	|	|	|
3+35	0.0502	0.23	Q	|	|	|	|
3+40	0.0518	0.23	Q	|	|	|	|
3+45	0.0534	0.23	Q	|	|	|	|
3+50	0.0556	0.32	Q	|	|	|	|
3+55	0.0594	0.55	VQ	|	|	|	|
4+ 0	0.0637	0.63	VQ	|	|	|	|
4+ 5	0.0684	0.67	VQ	|	|	|	|
4+10	0.0732	0.70	VQ	|	|	|	|
4+15	0.0782	0.72	VQ	|	|	|	|
4+20	0.0838	0.82	VQ	|	|	|	|
4+25	0.0911	1.06	V Q	|	|	|	|
4+30	0.0990	1.15	V Q	|	|	|	|
4+35	0.1073	1.19	V Q	|	|	|	|
4+40	0.1157	1.22	V Q	|	|	|	|
4+45	0.1242	1.24	V Q	|	|	|	|
4+50	0.1334	1.34	V Q	|	|	|	|
4+55	0.1443	1.58	V Q	|	|	|	|
5+ 0	0.1558	1.67	V Q	|	|	|	|
5+ 5	0.1664	1.54	V Q	|	|	|	|
5+10	0.1742	1.12	V Q	|	|	|	|
5+15	0.1810	0.99	|Q	|	|	|	|
5+20	0.1881	1.02	|VQ	|	|	|	|
5+25	0.1965	1.22	|VQ	|	|	|	|
5+30	0.2054	1.29	|VQ	|	|	|	|
5+35	0.2150	1.40	|VQ	|	|	|	|
5+40	0.2262	1.64	|V Q	|	|	|	|

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 5+45      0.2381     1.73  |V Q      |         |         |         |
 5+50      0.2504     1.78  |V Q      |         |         |         |
 5+55      0.2629     1.81  |V Q      |         |         |         |
 6+ 0      0.2755     1.84  |V Q      |         |         |         |
 6+ 5      0.2888     1.94  |V Q      |         |         |         |
 6+10      0.3038     2.17  |V  Q     |         |         |         |
 6+15      0.3194     2.26  |V  Q     |         |         |         |
 6+20      0.3352     2.30  |V  Q     |         |         |         |
 6+25      0.3513     2.33  |V  Q     |         |         |         |
 6+30      0.3675     2.35  | V Q     |         |         |         |
 6+35      0.3844     2.45  | V Q     |         |         |         |
 6+40      0.4029     2.69  | V  Q    |         |         |         |
 6+45      0.4220     2.78  | V  Q    |         |         |         |
 6+50      0.4415     2.82  | V  Q    |         |         |         |
 6+55      0.4611     2.85  | V  Q    |         |         |         |
 7+ 0      0.4808     2.87  | V  Q    |         |         |         |
 7+ 5      0.5007     2.88  | V  Q    |         |         |         |
 7+10      0.5207     2.90  | V  Q    |         |         |         |
 7+15      0.5407     2.91  |  V Q    |         |         |         |
 7+20      0.5614     3.00  |  V  Q   |         |         |         |
 7+25      0.5836     3.23  |  V  Q   |         |         |         |
 7+30      0.6065     3.32  |  V  Q   |         |         |         |
 7+35      0.6302     3.44  |  V  Q   |         |         |         |
 7+40      0.6556     3.69  |  V   Q  |         |         |         |
 7+45      0.6817     3.79  |  V   Q  |         |         |         |
 7+50      0.7088     3.92  |   V  Q  |         |         |         |
 7+55      0.7376     4.18  |   V   Q |         |         |         |
 8+ 0      0.7671     4.28  |   V   Q |         |         |         |
 8+ 5      0.7980     4.50  |   V   Q |         |         |         |
 8+10      0.8323     4.98  |   V    Q|         |         |         |
 8+15      0.8678     5.16  |   V     Q         |         |         |
 8+20      0.9039     5.24  |    V    Q         |         |         |
 8+25      0.9404     5.29  |    V    Q         |         |         |
 8+30      0.9771     5.33  |    V    Q         |         |         |
 8+35      1.0145     5.44  |    V    Q         |         |         |
 8+40      1.0536     5.68  |    V    |Q        |         |         |
 8+45      1.0933     5.77  |     V   |Q        |         |         |
 8+50      1.1339     5.89  |     V   |Q        |         |         |
 8+55      1.1763     6.15  |     V   | Q       |         |         |
 9+ 0      1.2192     6.24  |     V   | Q       |         |         |
 9+ 5      1.2637     6.46  |      V  | Q       |         |         |
 9+10      1.3115     6.94  |      V  |  Q      |         |         |
 9+15      1.3605     7.12  |      V  |   Q     |         |         |
 9+20      1.4107     7.28  |       V |   Q     |         |         |
 9+25      1.4627     7.56  |       V |    Q    |         |         |
 9+30      1.5156     7.67  |       V |    Q    |         |         |
 9+35      1.5694     7.81  |       V |    Q    |         |         |
 9+40      1.6250     8.07  |        V|     Q   |         |         |
 9+45      1.6813     8.18  |        V|     Q   |         |         |
 9+50      1.7385     8.31  |        V|     Q   |         |         |
 9+55      1.7975     8.57  |         V      Q  |         |         |
10+ 0      1.8572     8.67  |         V      Q  |         |         |
10+ 5      1.9132     8.13  |         V     Q   |         |         |
10+10      1.9587     6.60  |         |V Q      |         |         |
10+15      2.0006     6.09  |         |VQ       |         |         |
10+20      2.0410     5.86  |         |Q        |         |         |
10+25      2.0805     5.74  |         |Q        |         |         |
10+30      2.1195     5.66  |         |QV       |         |         |
10+35      2.1610     6.03  |         | Q       |         |         |
10+40      2.2100     7.12  |         | V Q     |         |         |
10+45      2.2615     7.48  |         | V Q     |         |         |
10+50      2.3143     7.66  |         |  V Q    |         |         |
10+55      2.3677     7.76  |         |  V Q    |         |         |
11+ 0      2.4217     7.83  |         |  V Q    |         |         |
11+ 5      2.4754     7.80  |         |   VQ    |         |         |
11+10      2.5278     7.61  |         |   VQ    |         |         |
11+15      2.5798     7.56  |         |   VQ    |         |         |
11+20      2.6317     7.53  |         |   VQ    |         |         |
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11+25       2.6834      7.52  |          |    Q     |          |          |
11+30       2.7352      7.51  |          |    Q     |          |          |
11+35       2.7857      7.34  |          |   QV     |          |          |
11+40       2.8332      6.90  |          |  Q  V    |          |          |
11+45       2.8797      6.75  |          |  Q  V    |          |          |
11+50       2.9263      6.77  |          |  Q  V    |          |          |
11+55       2.9742      6.96  |          |  Q  V    |          |          |
12+ 0       3.0226      7.02  |          |   Q  V   |          |          |
12+ 5       3.0751      7.62  |          |    Q V   |          |          |
12+10       3.1385      9.21  |          |      VQ  |          |          |
12+15       3.2057      9.75  |          |       VQ|          |          |
12+20       3.2752     10.09  |          |       V Q          |          |
12+25       3.3472     10.46  |          |       V Q          |          |
12+30       3.4205     10.64  |          |        V|Q         |          |
12+35       3.4956     10.90  |          |        V|Q         |          |
12+40       3.5742     11.41  |          |         V Q        |          |
12+45       3.6542     11.61  |          |         V  Q       |          |
12+50       3.7353     11.78  |          |         |V Q       |          |
12+55       3.8183     12.05  |          |         |V  Q      |          |
13+ 0       3.9021     12.17  |          |         | V Q      |          |
13+ 5       3.9891     12.64  |          |         | V  Q     |          |
13+10       4.0841     13.79  |          |         |  V   Q   |          |
13+15       4.1819     14.20  |          |         |  V    Q  |          |
13+20       4.2810     14.39  |          |         |   V   Q  |          |
13+25       4.3809     14.50  |          |         |   V   Q  |          |
13+30       4.4812     14.57  |          |         |    V   Q|          |
13+35       4.5756     13.70  |          |         |    V Q   |          |
13+40       4.6532     11.27  |          |         | Q   V    |          |
13+45       4.7252     10.46  |          |         Q     V    |          |
13+50       4.7947     10.09  |          |         Q      V   |          |
13+55       4.8627      9.88  |          |        Q|      V   |          |
14+ 0       4.9298      9.75  |          |        Q|      V   |          |
14+ 5       4.9987      9.99  |          |        Q|       V  |          |
14+10       5.0733     10.84  |          |         |Q      V  |          |
14+15       5.1498     11.11  |          |         | Q      V|          |
14+20       5.2267     11.17  |          |         | Q      V|          |
14+25       5.3027     11.03  |          |         | Q       V          |
14+30       5.3785     11.01  |          |         | Q       V          |
14+35       5.4543     11.01  |          |         | Q       V          |
14+40       5.5302     11.02  |          |         | Q       |V         |
14+45       5.6061     11.03  |          |         | Q       |V         |
14+50       5.6815     10.94  |          |         |Q        | V        |
14+55       5.7553     10.72  |          |         |Q        | V        |
15+ 0       5.8286     10.64  |          |         |Q        |  V       |
15+ 5       5.9012     10.53  |          |         |Q        |  V       |
15+10       5.9721     10.29  |          |         Q         |  V       |
15+15       6.0424     10.21  |          |         Q         |   V      |
15+20       6.1119     10.09  |          |         Q         |   V      |
15+25       6.1797      9.85  |          |        Q|         |    V     |
15+30       6.2469      9.76  |          |        Q|         |    V     |
15+35       6.3116      9.39  |          |       Q |         |    V     |
15+40       6.3700      8.48  |          |     Q   |         |     V    |
15+45       6.4262      8.16  |          |     Q   |         |     V    |
15+50       6.4814      8.02  |          |     Q   |         |     V    |
15+55       6.5361      7.94  |          |    Q    |         |      V   |
16+ 0       6.5905      7.89  |          |    Q    |         |      V   |
16+ 5       6.6361      6.62  |          |  Q      |         |      V   |
16+10       6.6585      3.25  |     Q    |         |         |      V   |
16+15       6.6728      2.09  |   Q      |         |         |      V   |
16+20       6.6837      1.58  |  Q       |         |         |      V   |
16+25       6.6926      1.29  | Q        |         |         |      V   |
16+30       6.7003      1.11  | Q        |         |         |       V  |
16+35       6.7065      0.91  |Q         |         |         |       V  |
16+40       6.7108      0.61  |Q         |         |         |       V  |
16+45       6.7141      0.48  Q          |         |         |       V  |
16+50       6.7172      0.45  Q          |         |         |       V  |
16+55       6.7202      0.44  Q          |         |         |       V  |
17+ 0       6.7232      0.43  Q          |         |         |       V  |
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17+ 5	6.7273	0.59	|Q	|	|	|	V |
17+10	6.7345	1.04	| Q	|	|	|	V |
17+15	6.7427	1.20	| Q	|	|	|	V |
17+20	6.7515	1.27	| Q	|	|	|	V |
17+25	6.7605	1.31	| Q	|	|	|	V |
17+30	6.7698	1.34	| Q	|	|	|	V |
17+35	6.7792	1.36	| Q	|	|	|	V |
17+40	6.7887	1.38	| Q	|	|	|	V |
17+45	6.7983	1.39	| Q	|	|	|	V |
17+50	6.8073	1.31	| Q	|	|	|	V |
17+55	6.8149	1.09	| Q	|	|	|	V |
18+ 0	6.8219	1.02	| Q	|	|	|	V |
18+ 5	6.8288	0.99	|Q	|	|	|	V |
18+10	6.8355	0.98	|Q	|	|	|	V |
18+15	6.8422	0.97	|Q	|	|	|	V |
18+20	6.8488	0.97	|Q	|	|	|	V |
18+25	6.8555	0.97	|Q	|	|	|	V |
18+30	6.8621	0.97	|Q	|	|	|	V |
18+35	6.8683	0.89	|Q	|	|	|	V |
18+40	6.8729	0.67	|Q	|	|	|	V |
18+45	6.8770	0.60	|Q	|	|	|	V|
18+50	6.8803	0.49	Q	|	|	|	V|
18+55	6.8822	0.27	Q	|	|	|	V|
19+ 0	6.8835	0.19	Q	|	|	|	V|
19+ 5	6.8850	0.23	Q	|	|	|	V|
19+10	6.8879	0.42	Q	|	|	|	V|
19+15	6.8911	0.48	Q	|	|	|	V|
19+20	6.8952	0.59	|Q	|	|	|	V|
19+25	6.9009	0.83	|Q	|	|	|	V|
19+30	6.9072	0.92	|Q	|	|	|	V|
19+35	6.9133	0.88	|Q	|	|	|	V|
19+40	6.9180	0.68	|Q	|	|	|	V|
19+45	6.9223	0.63	|Q	|	|	|	V|
19+50	6.9259	0.52	|Q	|	|	|	V|
19+55	6.9279	0.29	Q	|	|	|	V|
20+ 0	6.9293	0.21	Q	|	|	|	V|
20+ 5	6.9310	0.25	Q	|	|	|	V|
20+10	6.9342	0.45	Q	|	|	|	V|
20+15	6.9377	0.52	|Q	|	|	|	V|
20+20	6.9415	0.55	|Q	|	|	|	V|
20+25	6.9454	0.56	|Q	|	|	|	V|
20+30	6.9493	0.58	|Q	|	|	|	V|
20+35	6.9534	0.59	|Q	|	|	|	V|
20+40	6.9575	0.60	|Q	|	|	|	V|
20+45	6.9617	0.60	|Q	|	|	|	V|
20+50	6.9653	0.52	|Q	|	|	|	V|
20+55	6.9674	0.30	Q	|	|	|	V|
21+ 0	6.9690	0.23	Q	|	|	|	V|
21+ 5	6.9709	0.28	Q	|	|	|	V|
21+10	6.9743	0.49	Q	|	|	|	V|
21+15	6.9781	0.56	|Q	|	|	|	V|
21+20	6.9816	0.50	|Q	|	|	|	V|
21+25	6.9836	0.30	Q	|	|	|	V|
21+30	6.9852	0.23	Q	|	|	|	V|
21+35	6.9872	0.29	Q	|	|	|	V|
21+40	6.9907	0.50	|Q	|	|	|	V|
21+45	6.9947	0.57	|Q	|	|	|	V|
21+50	6.9983	0.52	|Q	|	|	|	V|
21+55	7.0004	0.31	Q	|	|	|	V|
22+ 0	7.0021	0.25	Q	|	|	|	V|
22+ 5	7.0042	0.31	Q	|	|	|	V|
22+10	7.0078	0.52	|Q	|	|	|	V|
22+15	7.0119	0.59	|Q	|	|	|	V|
22+20	7.0156	0.54	|Q	|	|	|	V|
22+25	7.0178	0.33	Q	|	|	|	V|
22+30	7.0196	0.26	Q	|	|	|	V|
22+35	7.0213	0.24	Q	|	|	|	V|
22+40	7.0229	0.23	Q	|	|	|	V|

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   22+45       7.0244      0.22  Q         |          |          |         V|
   22+50       7.0258      0.21  Q         |          |          |         V|
   22+55       7.0273      0.21  Q         |          |          |         V|
   23+ 0       7.0287      0.21  Q         |          |          |         V|
   23+ 5       7.0302      0.21  Q         |          |          |         V|
   23+10       7.0316      0.21  Q         |          |          |         V|
   23+15       7.0331      0.21  Q         |          |          |         V|
   23+20       7.0346      0.22  Q         |          |          |         V|
   23+25       7.0361      0.22  Q         |          |          |         V|
   23+30       7.0376      0.22  Q         |          |          |         V|
   23+35       7.0391      0.22  Q         |          |          |         V|
   23+40       7.0406      0.22  Q         |          |          |         V|
   23+45       7.0422      0.22  Q         |          |          |         V|
   23+50       7.0437      0.22  Q         |          |          |         V|
   23+55       7.0453      0.22  Q         |          |          |         V|
   24+ 0       7.0468      0.22  Q         |          |          |         V|
   24+ 5       7.0481      0.19  Q         |          |          |         V|
   24+10       7.0486      0.08  Q         |          |          |         V|
   24+15       7.0489      0.04  Q         |          |          |         V|
   24+20       7.0490      0.02  Q         |          |          |         V|
   24+25       7.0491      0.01  Q         |          |          |         V|
   24+30       7.0492      0.01  Q         |          |          |         V|
   24+35       7.0492      0.00  Q         |          |          |         V|
   24+40       7.0492      0.00  Q         |          |          |          V
-------------------------------------------------------------------------
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 03/16/22 File: exa1006100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

EXISTING UNIT HYDROGRAPH
100-YR 6HR STORM
TTM# 38171

Drainage Area = 19.30(Ac.) = 0.030 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 19.30(Ac.) = 0.030 Sq. Mi.
Length along longest watercourse = 2086.00(Ft.)
Length along longest watercourse measured to centroid = 991.64(Ft.)
Length along longest watercourse = 0.395 Mi.
Length along longest watercourse measured to centroid = 0.188 Mi.
Difference in elevation = 144.00(Ft.)
Slope along watercourse = 364.4871 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.087 Hr.
Lag time = 5.24 Min.
25% of lag time = 1.31 Min.
40% of lag time = 2.10 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
19.30	1.40	27.02

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
19.30	2.70	52.11

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.400(In)
Area Averaged 100-Year Rainfall = 2.700(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 2.700(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
19.300	86.00	0.000

Total Area Entered = 19.30(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
86.0	94.4	0.073	0.000	0.073	1.000	0.073
					Sum (F) =	0.073

Area averaged mean soil loss (F) (In/Hr) = 0.073

Minimum soil loss rate ((In/Hr)) = 0.036
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	95.379	17.788	3.460
2	0.167	190.758	47.940	9.325
3	0.250	286.138	16.389	3.188
4	0.333	381.517	7.317	1.423
5	0.417	476.896	4.171	0.811
6	0.500	572.275	2.703	0.526
7	0.583	667.654	1.749	0.340
8	0.667	763.034	1.097	0.213
9	0.750	858.413	0.847	0.165
		Sum = 100.000	Sum=	19.451

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.50	0.162	0.073	(	0.146)	0.089
2	0.17	0.60	0.194	0.073	(	0.175)	0.122
3	0.25	0.60	0.194	0.073	(	0.175)	0.122
4	0.33	0.60	0.194	0.073	(	0.175)	0.122
5	0.42	0.60	0.194	0.073	(	0.175)	0.122
6	0.50	0.70	0.227	0.073	(	0.204)	0.154
7	0.58	0.70	0.227	0.073	(	0.204)	0.154
8	0.67	0.70	0.227	0.073	(	0.204)	0.154
9	0.75	0.70	0.227	0.073	(	0.204)	0.154
10	0.83	0.70	0.227	0.073	(	0.204)	0.154
11	0.92	0.70	0.227	0.073	(	0.204)	0.154
12	1.00	0.80	0.259	0.073	(	0.233)	0.186
13	1.08	0.80	0.259	0.073	(	0.233)	0.186
14	1.17	0.80	0.259	0.073	(	0.233)	0.186
15	1.25	0.80	0.259	0.073	(	0.233)	0.186
16	1.33	0.80	0.259	0.073	(	0.233)	0.186
17	1.42	0.80	0.259	0.073	(	0.233)	0.186
18	1.50	0.80	0.259	0.073	(	0.233)	0.186
19	1.58	0.80	0.259	0.073	(	0.233)	0.186
20	1.67	0.80	0.259	0.073	(	0.233)	0.186
21	1.75	0.80	0.259	0.073	(	0.233)	0.186
22	1.83	0.80	0.259	0.073	(	0.233)	0.186
23	1.92	0.80	0.259	0.073	(	0.233)	0.186
24	2.00	0.90	0.292	0.073	(	0.262)	0.219
25	2.08	0.80	0.259	0.073	(	0.233)	0.186
26	2.17	0.90	0.292	0.073	(	0.262)	0.219
27	2.25	0.90	0.292	0.073	(	0.262)	0.219
28	2.33	0.90	0.292	0.073	(	0.262)	0.219
29	2.42	0.90	0.292	0.073	(	0.262)	0.219
30	2.50	0.90	0.292	0.073	(	0.262)	0.219
31	2.58	0.90	0.292	0.073	(	0.262)	0.219
32	2.67	0.90	0.292	0.073	(	0.262)	0.219
33	2.75	1.00	0.324	0.073	(	0.292)	0.251
34	2.83	1.00	0.324	0.073	(	0.292)	0.251
35	2.92	1.00	0.324	0.073	(	0.292)	0.251
36	3.00	1.00	0.324	0.073	(	0.292)	0.251
37	3.08	1.00	0.324	0.073	(	0.292)	0.251

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38   3.17     1.10      0.356          0.073    (  0.321)        0.284
39   3.25     1.10      0.356          0.073    (  0.321)        0.284
40   3.33     1.10      0.356          0.073    (  0.321)        0.284
41   3.42     1.20      0.389          0.073    (  0.350)        0.316
42   3.50     1.30      0.421          0.073    (  0.379)        0.348
43   3.58     1.40      0.454          0.073    (  0.408)        0.381
44   3.67     1.40      0.454          0.073    (  0.408)        0.381
45   3.75     1.50      0.486          0.073    (  0.437)        0.413
46   3.83     1.50      0.486          0.073    (  0.437)        0.413
47   3.92     1.60      0.518          0.073    (  0.467)        0.446
48   4.00     1.60      0.518          0.073    (  0.467)        0.446
49   4.08     1.70      0.551          0.073    (  0.496)        0.478
50   4.17     1.80      0.583          0.073    (  0.525)        0.510
51   4.25     1.90      0.616          0.073    (  0.554)        0.543
52   4.33     2.00      0.648          0.073    (  0.583)        0.575
53   4.42     2.10      0.680          0.073    (  0.612)        0.608
54   4.50     2.10      0.680          0.073    (  0.612)        0.608
55   4.58     2.20      0.713          0.073    (  0.641)        0.640
56   4.67     2.30      0.745          0.073    (  0.671)        0.672
57   4.75     2.40      0.778          0.073    (  0.700)        0.705
58   4.83     2.40      0.778          0.073    (  0.700)        0.705
59   4.92     2.50      0.810          0.073    (  0.729)        0.737
60   5.00     2.60      0.842          0.073    (  0.758)        0.770
61   5.08     3.10      1.004          0.073    (  0.904)        0.932
62   5.17     3.60      1.166          0.073    (  1.050)        1.094
63   5.25     3.90      1.264          0.073    (  1.137)        1.191
64   5.33     4.20      1.361          0.073    (  1.225)        1.288
65   5.42     4.70      1.523          0.073    (  1.370)        1.450
66   5.50     5.60      1.814          0.073    (  1.633)        1.741
67   5.58     1.90      0.616          0.073    (  0.554)        0.543
68   5.67     0.90      0.292          0.073    (  0.262)        0.219
69   5.75     0.60      0.194          0.073    (  0.175)        0.122
70   5.83     0.50      0.162          0.073    (  0.146)        0.089
71   5.92     0.30      0.097          0.073    (  0.087)        0.024
72   6.00     0.20      0.065       (  0.073)       0.058        0.006
            (Loss Rate Not Used)
   Sum =     100.0                                    Sum =    27.2
     Flood volume = Effective rainfall      2.26(In)
      times area      19.3(Ac.)/[(In)/(Ft.)] =       3.6(Ac.Ft)
     Total soil loss =      0.44(In)
     Total soil loss =     0.701(Ac.Ft)
     Total rainfall =      2.70(In)
     Flood volume =      158629.5 Cubic Feet
     Total soil loss =       30517.2 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     27.272(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         6 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0        7.5      15.0      22.5      30.0
-------------------------------------------------------------------------
  0+ 5       0.0021      0.31  Q         |         |         |         |
  0+10       0.0108      1.25  VQ        |         |         |         |
  0+15       0.0234      1.84  V Q       |         |         |         |
  0+20       0.0377      2.07  V Q       |         |         |         |
  0+25       0.0528      2.19  V Q       |         |         |         |
  0+30       0.0691      2.37  V  Q      |         |         |         |
  0+35       0.0879      2.72  V  Q      |         |         |         |
  0+40       0.1075      2.86  |V Q      |         |         |         |
  0+45       0.1277      2.92  |V Q      |         |         |         |
  0+50       0.1480      2.96  |V Q      |         |         |         |
  0+55       0.1685      2.97  |V Q      |         |         |         |
  1+ 0       0.1898      3.10  | V Q     |         |         |         |
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1+ 5       0.2133      3.41  | V Q     |          |          |          |
1+10       0.2375      3.51  | V Q     |          |          |          |
1+15       0.2620      3.56  | V Q     |          |          |          |
1+20       0.2867      3.59  |  VQ     |          |          |          |
1+25       0.3116      3.60  |  VQ     |          |          |          |
1+30       0.3364      3.61  |  VQ     |          |          |          |
1+35       0.3614      3.62  |  VQ     |          |          |          |
1+40       0.3864      3.63  |   Q     |          |          |          |
1+45       0.4114      3.63  |   Q     |          |          |          |
1+50       0.4363      3.63  |   Q     |          |          |          |
1+55       0.4613      3.63  |   QV    |          |          |          |
2+ 0       0.4871      3.74  |   QV    |          |          |          |
2+ 5       0.5141      3.93  |    Q    |          |          |          |
2+10       0.5406      3.84  |    Q    |          |          |          |
2+15       0.5687      4.09  |    QV   |          |          |          |
2+20       0.5975      4.17  |    QV   |          |          |          |
2+25       0.6265      4.21  |    QV   |          |          |          |
2+30       0.6556      4.23  |    Q V  |          |          |          |
2+35       0.6848      4.24  |    Q V  |          |          |          |
2+40       0.7141      4.25  |    Q V  |          |          |          |
2+45       0.7441      4.36  |    Q  V |          |          |          |
2+50       0.7763      4.67  |     Q V |          |          |          |
2+55       0.8092      4.78  |     Q V |          |          |          |
3+ 0       0.8424      4.82  |     Q  V|          |          |          |
3+ 5       0.8758      4.85  |     Q  V|          |          |          |
3+10       0.9101      4.98  |     Q  V|          |          |          |
3+15       0.9465      5.29  |      Q  V          |          |          |
3+20       0.9837      5.40  |      Q  V          |          |          |
3+25       1.0220      5.56  |      Q  |V         |          |          |
3+30       1.0634      6.00  |       Q |V         |          |          |
3+35       1.1084      6.54  |       Q | V        |          |          |
3+40       1.1566      7.00  |        Q| V        |          |          |
3+45       1.2069      7.30  |        Q|  V       |          |          |
3+50       1.2599      7.69  |         Q  V       |          |          |
3+55       1.3147      7.96  |         Q   V      |          |          |
4+ 0       1.3722      8.35  |         |Q   V     |          |          |
4+ 5       1.4315      8.61  |         |Q   V     |          |          |
4+10       1.4942      9.10  |         | Q   V    |          |          |
4+15       1.5608      9.66  |         | Q    V   |          |          |
4+20       1.6314     10.25  |         |  Q   V   |          |          |
4+25       1.7061     10.86  |         |   Q   V  |          |          |
4+30       1.7844     11.36  |         |    Q   V|          |          |
4+35       1.8648     11.68  |         |    Q    V          |          |
4+40       1.9488     12.20  |         |     Q   |V         |          |
4+45       2.0369     12.79  |         |      Q  | V        |          |
4+50       2.1284     13.28  |         |      Q  |  V       |          |
4+55       2.2220     13.59  |         |       Q |   V      |          |
5+ 0       2.3191     14.11  |         |       Q |    V     |          |
5+ 5       2.4233     15.13  |         |         Q     V    |          |
5+10       2.5431     17.39  |         |         |  Q   V   |          |
5+15       2.6798     19.85  |         |         |     Q  V|          |
5+20       2.8306     21.89  |         |         |        Q|V         |
5+25       2.9963     24.07  |         |         |         | Q        |
5+30       3.1841     27.27  |         |         |         |   V Q    |
5+35       3.3682     26.73  |         |         |         |    QV    |
5+40       3.4771     15.81  |         |         |Q        |       V  |
5+45       3.5413      9.32  |         | Q       |         |       V  |
5+50       3.5823      5.96  |       Q |         |         |        V |
5+55       3.6095      3.94  |     Q   |         |         |        V |
6+ 0       3.6252      2.28  |   Q     |         |         |        V |
6+ 5       3.6340      1.27  |Q        |         |         |        V |
6+10       3.6386      0.67  Q         |         |         |        V |
6+15       3.6403      0.25  Q         |         |         |        V |
6+20       3.6411      0.11  Q         |         |         |        V |
6+25       3.6414      0.05  Q         |         |         |        V |
6+30       3.6416      0.02  Q         |         |         |        V |
6+35       3.6416      0.01  Q         |         |         |        V |
6+40       3.6416      0.00  Q         |         |         |        V |
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 03/16/22 File: exa1003100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

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100-YR 3HR STORM
TTM# 38171

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Length along longest watercourse measured to centroid = 0.188 Mi.
Difference in elevation = 144.00(Ft.)
Slope along watercourse = 364.4871 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.087 Hr.
Lag time = 5.24 Min.
25% of lag time = 1.31 Min.
40% of lag time = 2.10 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
19.30	0.90	17.37

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
19.30	1.90	36.67

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.900(In)
Area Averaged 100-Year Rainfall = 1.900(In)

Point rain (area averaged) = 1.900(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 1.900(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
19.300	86.00	0.000

Total Area Entered = 19.30(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
86.0	94.4	0.073	0.000	0.073	1.000	0.073
					Sum (F) =	0.073

Area averaged mean soil loss (F) (In/Hr) = 0.073

Minimum soil loss rate ((In/Hr)) = 0.036
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	95.379	17.788	3.460
2	0.167	190.758	47.940	9.325
3	0.250	286.138	16.389	3.188
4	0.333	381.517	7.317	1.423
5	0.417	476.896	4.171	0.811
6	0.500	572.275	2.703	0.526
7	0.583	667.654	1.749	0.340
8	0.667	763.034	1.097	0.213
9	0.750	858.413	0.847	0.165
		Sum = 100.000	Sum=	19.451

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	1.30	0.296	0.073	(0.267)	0.224
2	0.17	1.30	0.296	0.073	(0.267)	0.224
3	0.25	1.10	0.251	0.073	(0.226)	0.178
4	0.33	1.50	0.342	0.073	(0.308)	0.269
5	0.42	1.50	0.342	0.073	(0.308)	0.269
6	0.50	1.80	0.410	0.073	(0.369)	0.338
7	0.58	1.50	0.342	0.073	(0.308)	0.269
8	0.67	1.80	0.410	0.073	(0.369)	0.338
9	0.75	1.80	0.410	0.073	(0.369)	0.338
10	0.83	1.50	0.342	0.073	(0.308)	0.269
11	0.92	1.60	0.365	0.073	(0.328)	0.292
12	1.00	1.80	0.410	0.073	(0.369)	0.338
13	1.08	2.20	0.502	0.073	(0.451)	0.429
14	1.17	2.20	0.502	0.073	(0.451)	0.429
15	1.25	2.20	0.502	0.073	(0.451)	0.429
16	1.33	2.00	0.456	0.073	(0.410)	0.383
17	1.42	2.60	0.593	0.073	(0.533)	0.520
18	1.50	2.70	0.616	0.073	(0.554)	0.543
19	1.58	2.40	0.547	0.073	(0.492)	0.474
20	1.67	2.70	0.616	0.073	(0.554)	0.543
21	1.75	3.30	0.752	0.073	(0.677)	0.680
22	1.83	3.10	0.707	0.073	(0.636)	0.634
23	1.92	2.90	0.661	0.073	(0.595)	0.588
24	2.00	3.00	0.684	0.073	(0.616)	0.611
25	2.08	3.10	0.707	0.073	(0.636)	0.634
26	2.17	4.20	0.958	0.073	(0.862)	0.885
27	2.25	5.00	1.140	0.073	(1.026)	1.067
28	2.33	3.50	0.798	0.073	(0.718)	0.725
29	2.42	6.80	1.550	0.073	(1.395)	1.477
30	2.50	7.30	1.664	0.073	(1.498)	1.591
31	2.58	8.20	1.869	0.073	(1.682)	1.797
32	2.67	5.90	1.345	0.073	(1.211)	1.272
33	2.75	2.00	0.456	0.073	(0.410)	0.383
34	2.83	1.80	0.410	0.073	(0.369)	0.338
35	2.92	1.80	0.410	0.073	(0.369)	0.338
36	3.00	0.60	0.137	0.073	(0.123)	0.064

(Loss Rate Not Used)

```
   Sum =     100.0                                    Sum =    20.2
     Flood volume = Effective rainfall      1.68(In)
      times area      19.3(Ac.)/[(In)/(Ft.)] =       2.7(Ac.Ft)
     Total soil loss =      0.22(In)
     Total soil loss =     0.351(Ac.Ft)
     Total rainfall =      1.90(In)
     Flood volume =      117800.0 Cubic Feet
     Total soil loss =       15300.9 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     30.033(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         3 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
  Time(h+m) Volume Ac.Ft   Q(CFS)  0       10.0      20.0      30.0      40.0
  ------------------------------------------------------------------------
    0+ 5       0.0053      0.77  Q         |         |         |         |
    0+10       0.0250      2.86  V Q       |         |         |         |
    0+15       0.0485      3.42  V  Q      |         |         |         |
    0+20       0.0735      3.62  |V Q      |         |         |         |
    0+25       0.1046      4.51  |V  Q     |         |         |         |
    0+30       0.1396      5.09  | V  Q    |         |         |         |
    0+35       0.1786      5.66  | V  Q    |         |         |         |
    0+40       0.2170      5.58  |  V Q    |         |         |         |
    0+45       0.2595      6.16  |  V  Q   |         |         |         |
    0+50       0.3016      6.12  |   V Q   |         |         |         |
    0+55       0.3406      5.65  |    Q    |         |         |         |
    1+ 0       0.3809      5.86  |    Q    |         |         |         |
    1+ 5       0.4265      6.61  |     Q   |         |         |         |
    1+10       0.4788      7.60  |      Q  |         |         |         |
    1+15       0.5335      7.94  |      Q  |         |         |         |
    1+20       0.5883      7.95  |      QV |         |         |         |
    1+25       0.6440      8.09  |       QV|         |         |         |
    1+30       0.7084      9.36  |        QV         |         |         |
    1+35       0.7756      9.75  |        Q|V        |         |         |
    1+40       0.8417      9.61  |        Q| V       |         |         |
    1+45       0.9150     10.63  |         Q  V      |         |         |
    1+50       0.9972     11.95  |         |Q  V     |         |         |
    1+55       1.0791     11.89  |         |Q   V    |         |         |
    2+ 0       1.1593     11.64  |         |Q     V  |         |         |
    2+ 5       1.2411     11.88  |         |Q      V |         |         |
    2+10       1.3307     13.01  |         |  Q     V|         |         |
    2+15       1.4414     16.08  |         |     Q   |V        |         |
    2+20       1.5616     17.45  |         |      Q  |  V      |         |
    2+25       1.6844     17.83  |         |      Q  |   V     |         |
    2+30       1.8539     24.62  |         |         |   Q  V  |         |
    2+35       2.0508     28.59  |         |         |       Q V         |
    2+40       2.2576     30.03  |         |         |         Q  V      |
    2+45       2.4190     23.43  |         |         |  Q      |    V    |
    2+50       2.5157     14.05  |         |   Q     |         |      V  |
    2+55       2.5879     10.48  |         Q         |         |       V |
    3+ 0       2.6426      7.95  |       Q  |        |         |        V|
    3+ 5       2.6724      4.33  |   Q      |        |         |        V|
    3+10       2.6879      2.24  | Q        |        |         |        V|
    3+15       2.6964      1.24  |Q         |        |         |        V|
    3+20       2.7008      0.64  Q          |        |         |        V|
    3+25       2.7027      0.28  Q          |        |         |        V|
    3+30       2.7038      0.15  Q          |        |         |        V|
    3+35       2.7042      0.07  Q          |        |         |        V|
    3+40       2.7043      0.01  Q          |        |         |        V|
  ------------------------------------------------------------------------
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 03/09/22 File: PROA10024100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

PROPOSED UNIT HYDROGRAPH,
100-YEAR 24HR STORM
TTM# 38171

Drainage Area = 19.30(Ac.) = 0.030 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 19.30(Ac.) = 0.030 Sq. Mi.
Length along longest watercourse = 2170.00(Ft.)
Length along longest watercourse measured to centroid = 1070.00(Ft.)
Length along longest watercourse = 0.411 Mi.
Length along longest watercourse measured to centroid = 0.203 Mi.
Difference in elevation = 149.30(Ft.)
Slope along watercourse = 363.2737 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.046 Hr.
Lag time = 2.74 Min.
25% of lag time = 0.69 Min.
40% of lag time = 1.10 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
19.30	2.50	48.25

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
19.30	6.00	115.80

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.500(In)
Area Averaged 100-Year Rainfall = 6.000(In)

Point rain (area averaged) = 6.000(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 6.000(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
19.300	69.20	0.484

Total Area Entered = 19.30(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
69.2	84.5	0.192	0.484	0.109	1.000	0.109

Sum (F) = 0.109

Area averaged mean soil loss (F) (In/Hr) = 0.109
Minimum soil loss rate ((In/Hr)) = 0.054
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.513

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	182.449	40.198	7.819
2	0.167	364.898	44.610	8.677
3	0.250	547.348	9.547	1.857
4	0.333	729.797	3.885	0.756
5	0.417	912.246	1.760	0.342
			Sum = 100.000 Sum=	19.451

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.048	(0.193)	0.025	0.023
2	0.17	0.07	0.048	(0.192)	0.025	0.023
3	0.25	0.07	0.048	(0.191)	0.025	0.023
4	0.33	0.10	0.072	(0.190)	0.037	0.035
5	0.42	0.10	0.072	(0.190)	0.037	0.035
6	0.50	0.10	0.072	(0.189)	0.037	0.035
7	0.58	0.10	0.072	(0.188)	0.037	0.035
8	0.67	0.10	0.072	(0.187)	0.037	0.035
9	0.75	0.10	0.072	(0.187)	0.037	0.035
10	0.83	0.13	0.096	(0.186)	0.049	0.047
11	0.92	0.13	0.096	(0.185)	0.049	0.047
12	1.00	0.13	0.096	(0.184)	0.049	0.047
13	1.08	0.10	0.072	(0.184)	0.037	0.035
14	1.17	0.10	0.072	(0.183)	0.037	0.035
15	1.25	0.10	0.072	(0.182)	0.037	0.035
16	1.33	0.10	0.072	(0.182)	0.037	0.035
17	1.42	0.10	0.072	(0.181)	0.037	0.035
18	1.50	0.10	0.072	(0.180)	0.037	0.035
19	1.58	0.10	0.072	(0.179)	0.037	0.035
20	1.67	0.10	0.072	(0.179)	0.037	0.035
21	1.75	0.10	0.072	(0.178)	0.037	0.035
22	1.83	0.13	0.096	(0.177)	0.049	0.047
23	1.92	0.13	0.096	(0.177)	0.049	0.047
24	2.00	0.13	0.096	(0.176)	0.049	0.047
25	2.08	0.13	0.096	(0.175)	0.049	0.047
26	2.17	0.13	0.096	(0.174)	0.049	0.047
27	2.25	0.13	0.096	(0.174)	0.049	0.047
28	2.33	0.13	0.096	(0.173)	0.049	0.047
29	2.42	0.13	0.096	(0.172)	0.049	0.047
30	2.50	0.13	0.096	(0.172)	0.049	0.047
31	2.58	0.17	0.120	(0.171)	0.062	0.058
32	2.67	0.17	0.120	(0.170)	0.062	0.058
33	2.75	0.17	0.120	(0.169)	0.062	0.058
34	2.83	0.17	0.120	(0.169)	0.062	0.058
35	2.92	0.17	0.120	(0.168)	0.062	0.058
36	3.00	0.17	0.120	(0.167)	0.062	0.058
37	3.08	0.17	0.120	(0.167)	0.062	0.058
38	3.17	0.17	0.120	(0.166)	0.062	0.058
39	3.25	0.17	0.120	(0.165)	0.062	0.058

40	3.33	0.17	0.120	(0.165)	0.062	0.058
41	3.42	0.17	0.120	(0.164)	0.062	0.058
42	3.50	0.17	0.120	(0.163)	0.062	0.058
43	3.58	0.17	0.120	(0.163)	0.062	0.058
44	3.67	0.17	0.120	(0.162)	0.062	0.058
45	3.75	0.17	0.120	(0.161)	0.062	0.058
46	3.83	0.20	0.144	(0.161)	0.074	0.070
47	3.92	0.20	0.144	(0.160)	0.074	0.070
48	4.00	0.20	0.144	(0.159)	0.074	0.070
49	4.08	0.20	0.144	(0.158)	0.074	0.070
50	4.17	0.20	0.144	(0.158)	0.074	0.070
51	4.25	0.20	0.144	(0.157)	0.074	0.070
52	4.33	0.23	0.168	(0.156)	0.086	0.082
53	4.42	0.23	0.168	(0.156)	0.086	0.082
54	4.50	0.23	0.168	(0.155)	0.086	0.082
55	4.58	0.23	0.168	(0.154)	0.086	0.082
56	4.67	0.23	0.168	(0.154)	0.086	0.082
57	4.75	0.23	0.168	(0.153)	0.086	0.082
58	4.83	0.27	0.192	(0.152)	0.098	0.094
59	4.92	0.27	0.192	(0.152)	0.098	0.094
60	5.00	0.27	0.192	(0.151)	0.098	0.094
61	5.08	0.20	0.144	(0.151)	0.074	0.070
62	5.17	0.20	0.144	(0.150)	0.074	0.070
63	5.25	0.20	0.144	(0.149)	0.074	0.070
64	5.33	0.23	0.168	(0.149)	0.086	0.082
65	5.42	0.23	0.168	(0.148)	0.086	0.082
66	5.50	0.23	0.168	(0.147)	0.086	0.082
67	5.58	0.27	0.192	(0.147)	0.098	0.094
68	5.67	0.27	0.192	(0.146)	0.098	0.094
69	5.75	0.27	0.192	(0.145)	0.098	0.094
70	5.83	0.27	0.192	(0.145)	0.098	0.094
71	5.92	0.27	0.192	(0.144)	0.098	0.094
72	6.00	0.27	0.192	(0.143)	0.098	0.094
73	6.08	0.30	0.216	(0.143)	0.111	0.105
74	6.17	0.30	0.216	(0.142)	0.111	0.105
75	6.25	0.30	0.216	(0.141)	0.111	0.105
76	6.33	0.30	0.216	(0.141)	0.111	0.105
77	6.42	0.30	0.216	(0.140)	0.111	0.105
78	6.50	0.30	0.216	(0.140)	0.111	0.105
79	6.58	0.33	0.240	(0.139)	0.123	0.117
80	6.67	0.33	0.240	(0.138)	0.123	0.117
81	6.75	0.33	0.240	(0.138)	0.123	0.117
82	6.83	0.33	0.240	(0.137)	0.123	0.117
83	6.92	0.33	0.240	(0.136)	0.123	0.117
84	7.00	0.33	0.240	(0.136)	0.123	0.117
85	7.08	0.33	0.240	(0.135)	0.123	0.117
86	7.17	0.33	0.240	(0.135)	0.123	0.117
87	7.25	0.33	0.240	(0.134)	0.123	0.117
88	7.33	0.37	0.264	0.133	(0.135)	0.131
89	7.42	0.37	0.264	0.133	(0.135)	0.131
90	7.50	0.37	0.264	0.132	(0.135)	0.132
91	7.58	0.40	0.288	0.132	(0.148)	0.156
92	7.67	0.40	0.288	0.131	(0.148)	0.157
93	7.75	0.40	0.288	0.130	(0.148)	0.158
94	7.83	0.43	0.312	0.130	(0.160)	0.182
95	7.92	0.43	0.312	0.129	(0.160)	0.183
96	8.00	0.43	0.312	0.129	(0.160)	0.183
97	8.08	0.50	0.360	0.128	(0.185)	0.232
98	8.17	0.50	0.360	0.127	(0.185)	0.233
99	8.25	0.50	0.360	0.127	(0.185)	0.233
100	8.33	0.50	0.360	0.126	(0.185)	0.234
101	8.42	0.50	0.360	0.126	(0.185)	0.234
102	8.50	0.50	0.360	0.125	(0.185)	0.235
103	8.58	0.53	0.384	0.124	(0.197)	0.260
104	8.67	0.53	0.384	0.124	(0.197)	0.260
105	8.75	0.53	0.384	0.123	(0.197)	0.261
106	8.83	0.57	0.408	0.123	(0.209)	0.285
107	8.92	0.57	0.408	0.122	(0.209)	0.286

108	9.00	0.57	0.408	0.122	(0.209)	0.286
109	9.08	0.63	0.456	0.121	(0.234)	0.335
110	9.17	0.63	0.456	0.120	(0.234)	0.336
111	9.25	0.63	0.456	0.120	(0.234)	0.336
112	9.33	0.67	0.480	0.119	(0.246)	0.361
113	9.42	0.67	0.480	0.119	(0.246)	0.361
114	9.50	0.67	0.480	0.118	(0.246)	0.362
115	9.58	0.70	0.504	0.118	(0.258)	0.386
116	9.67	0.70	0.504	0.117	(0.258)	0.387
117	9.75	0.70	0.504	0.116	(0.258)	0.388
118	9.83	0.73	0.528	0.116	(0.271)	0.412
119	9.92	0.73	0.528	0.115	(0.271)	0.413
120	10.00	0.73	0.528	0.115	(0.271)	0.413
121	10.08	0.50	0.360	0.114	(0.185)	0.246
122	10.17	0.50	0.360	0.114	(0.185)	0.246
123	10.25	0.50	0.360	0.113	(0.185)	0.247
124	10.33	0.50	0.360	0.113	(0.185)	0.247
125	10.42	0.50	0.360	0.112	(0.185)	0.248
126	10.50	0.50	0.360	0.111	(0.185)	0.249
127	10.58	0.67	0.480	0.111	(0.246)	0.369
128	10.67	0.67	0.480	0.110	(0.246)	0.370
129	10.75	0.67	0.480	0.110	(0.246)	0.370
130	10.83	0.67	0.480	0.109	(0.246)	0.371
131	10.92	0.67	0.480	0.109	(0.246)	0.371
132	11.00	0.67	0.480	0.108	(0.246)	0.372
133	11.08	0.63	0.456	0.108	(0.234)	0.348
134	11.17	0.63	0.456	0.107	(0.234)	0.349
135	11.25	0.63	0.456	0.107	(0.234)	0.349
136	11.33	0.63	0.456	0.106	(0.234)	0.350
137	11.42	0.63	0.456	0.106	(0.234)	0.350
138	11.50	0.63	0.456	0.105	(0.234)	0.351
139	11.58	0.57	0.408	0.104	(0.209)	0.303
140	11.67	0.57	0.408	0.104	(0.209)	0.304
141	11.75	0.57	0.408	0.103	(0.209)	0.305
142	11.83	0.60	0.432	0.103	(0.222)	0.329
143	11.92	0.60	0.432	0.102	(0.222)	0.330
144	12.00	0.60	0.432	0.102	(0.222)	0.330
145	12.08	0.83	0.600	0.101	(0.308)	0.499
146	12.17	0.83	0.600	0.101	(0.308)	0.499
147	12.25	0.83	0.600	0.100	(0.308)	0.500
148	12.33	0.87	0.624	0.100	(0.320)	0.524
149	12.42	0.87	0.624	0.099	(0.320)	0.525
150	12.50	0.87	0.624	0.099	(0.320)	0.525
151	12.58	0.93	0.672	0.098	(0.345)	0.574
152	12.67	0.93	0.672	0.098	(0.345)	0.574
153	12.75	0.93	0.672	0.097	(0.345)	0.575
154	12.83	0.97	0.696	0.097	(0.357)	0.599
155	12.92	0.97	0.696	0.096	(0.357)	0.600
156	13.00	0.97	0.696	0.096	(0.357)	0.600
157	13.08	1.13	0.816	0.095	(0.418)	0.721
158	13.17	1.13	0.816	0.095	(0.418)	0.721
159	13.25	1.13	0.816	0.094	(0.418)	0.721
160	13.33	1.13	0.816	0.094	(0.418)	0.722
161	13.42	1.13	0.816	0.094	(0.418)	0.722
162	13.50	1.13	0.816	0.093	(0.418)	0.723
163	13.58	0.77	0.552	0.093	(0.283)	0.459
164	13.67	0.77	0.552	0.092	(0.283)	0.460
165	13.75	0.77	0.552	0.092	(0.283)	0.460
166	13.83	0.77	0.552	0.091	(0.283)	0.461
167	13.92	0.77	0.552	0.091	(0.283)	0.461
168	14.00	0.77	0.552	0.090	(0.283)	0.462
169	14.08	0.90	0.648	0.090	(0.332)	0.558
170	14.17	0.90	0.648	0.089	(0.332)	0.559
171	14.25	0.90	0.648	0.089	(0.332)	0.559
172	14.33	0.87	0.624	0.088	(0.320)	0.536
173	14.42	0.87	0.624	0.088	(0.320)	0.536
174	14.50	0.87	0.624	0.088	(0.320)	0.536
175	14.58	0.87	0.624	0.087	(0.320)	0.537

176	14.67	0.87	0.624	0.087	(0.320)	0.537
177	14.75	0.87	0.624	0.086	(0.320)	0.538
178	14.83	0.83	0.600	0.086	(0.308)	0.514
179	14.92	0.83	0.600	0.085	(0.308)	0.515
180	15.00	0.83	0.600	0.085	(0.308)	0.515
181	15.08	0.80	0.576	0.084	(0.295)	0.492
182	15.17	0.80	0.576	0.084	(0.295)	0.492
183	15.25	0.80	0.576	0.084	(0.295)	0.492
184	15.33	0.77	0.552	0.083	(0.283)	0.469
185	15.42	0.77	0.552	0.083	(0.283)	0.469
186	15.50	0.77	0.552	0.082	(0.283)	0.470
187	15.58	0.63	0.456	0.082	(0.234)	0.374
188	15.67	0.63	0.456	0.081	(0.234)	0.375
189	15.75	0.63	0.456	0.081	(0.234)	0.375
190	15.83	0.63	0.456	0.081	(0.234)	0.375
191	15.92	0.63	0.456	0.080	(0.234)	0.376
192	16.00	0.63	0.456	0.080	(0.234)	0.376
193	16.08	0.13	0.096	(0.079)	0.049	0.047
194	16.17	0.13	0.096	(0.079)	0.049	0.047
195	16.25	0.13	0.096	(0.079)	0.049	0.047
196	16.33	0.13	0.096	(0.078)	0.049	0.047
197	16.42	0.13	0.096	(0.078)	0.049	0.047
198	16.50	0.13	0.096	(0.077)	0.049	0.047
199	16.58	0.10	0.072	(0.077)	0.037	0.035
200	16.67	0.10	0.072	(0.077)	0.037	0.035
201	16.75	0.10	0.072	(0.076)	0.037	0.035
202	16.83	0.10	0.072	(0.076)	0.037	0.035
203	16.92	0.10	0.072	(0.075)	0.037	0.035
204	17.00	0.10	0.072	(0.075)	0.037	0.035
205	17.08	0.17	0.120	(0.075)	0.062	0.058
206	17.17	0.17	0.120	(0.074)	0.062	0.058
207	17.25	0.17	0.120	(0.074)	0.062	0.058
208	17.33	0.17	0.120	(0.074)	0.062	0.058
209	17.42	0.17	0.120	(0.073)	0.062	0.058
210	17.50	0.17	0.120	(0.073)	0.062	0.058
211	17.58	0.17	0.120	(0.072)	0.062	0.058
212	17.67	0.17	0.120	(0.072)	0.062	0.058
213	17.75	0.17	0.120	(0.072)	0.062	0.058
214	17.83	0.13	0.096	(0.071)	0.049	0.047
215	17.92	0.13	0.096	(0.071)	0.049	0.047
216	18.00	0.13	0.096	(0.071)	0.049	0.047
217	18.08	0.13	0.096	(0.070)	0.049	0.047
218	18.17	0.13	0.096	(0.070)	0.049	0.047
219	18.25	0.13	0.096	(0.070)	0.049	0.047
220	18.33	0.13	0.096	(0.069)	0.049	0.047
221	18.42	0.13	0.096	(0.069)	0.049	0.047
222	18.50	0.13	0.096	(0.069)	0.049	0.047
223	18.58	0.10	0.072	(0.068)	0.037	0.035
224	18.67	0.10	0.072	(0.068)	0.037	0.035
225	18.75	0.10	0.072	(0.068)	0.037	0.035
226	18.83	0.07	0.048	(0.067)	0.025	0.023
227	18.92	0.07	0.048	(0.067)	0.025	0.023
228	19.00	0.07	0.048	(0.067)	0.025	0.023
229	19.08	0.10	0.072	(0.066)	0.037	0.035
230	19.17	0.10	0.072	(0.066)	0.037	0.035
231	19.25	0.10	0.072	(0.066)	0.037	0.035
232	19.33	0.13	0.096	(0.065)	0.049	0.047
233	19.42	0.13	0.096	(0.065)	0.049	0.047
234	19.50	0.13	0.096	(0.065)	0.049	0.047
235	19.58	0.10	0.072	(0.065)	0.037	0.035
236	19.67	0.10	0.072	(0.064)	0.037	0.035
237	19.75	0.10	0.072	(0.064)	0.037	0.035
238	19.83	0.07	0.048	(0.064)	0.025	0.023
239	19.92	0.07	0.048	(0.063)	0.025	0.023
240	20.00	0.07	0.048	(0.063)	0.025	0.023
241	20.08	0.10	0.072	(0.063)	0.037	0.035
242	20.17	0.10	0.072	(0.063)	0.037	0.035
243	20.25	0.10	0.072	(0.062)	0.037	0.035

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244  20.33     0.10      0.072       (  0.062)       0.037        0.035
245  20.42     0.10      0.072       (  0.062)       0.037        0.035
246  20.50     0.10      0.072       (  0.061)       0.037        0.035
247  20.58     0.10      0.072       (  0.061)       0.037        0.035
248  20.67     0.10      0.072       (  0.061)       0.037        0.035
249  20.75     0.10      0.072       (  0.061)       0.037        0.035
250  20.83     0.07      0.048       (  0.060)       0.025        0.023
251  20.92     0.07      0.048       (  0.060)       0.025        0.023
252  21.00     0.07      0.048       (  0.060)       0.025        0.023
253  21.08     0.10      0.072       (  0.060)       0.037        0.035
254  21.17     0.10      0.072       (  0.059)       0.037        0.035
255  21.25     0.10      0.072       (  0.059)       0.037        0.035
256  21.33     0.07      0.048       (  0.059)       0.025        0.023
257  21.42     0.07      0.048       (  0.059)       0.025        0.023
258  21.50     0.07      0.048       (  0.059)       0.025        0.023
259  21.58     0.10      0.072       (  0.058)       0.037        0.035
260  21.67     0.10      0.072       (  0.058)       0.037        0.035
261  21.75     0.10      0.072       (  0.058)       0.037        0.035
262  21.83     0.07      0.048       (  0.058)       0.025        0.023
263  21.92     0.07      0.048       (  0.058)       0.025        0.023
264  22.00     0.07      0.048       (  0.057)       0.025        0.023
265  22.08     0.10      0.072       (  0.057)       0.037        0.035
266  22.17     0.10      0.072       (  0.057)       0.037        0.035
267  22.25     0.10      0.072       (  0.057)       0.037        0.035
268  22.33     0.07      0.048       (  0.057)       0.025        0.023
269  22.42     0.07      0.048       (  0.056)       0.025        0.023
270  22.50     0.07      0.048       (  0.056)       0.025        0.023
271  22.58     0.07      0.048       (  0.056)       0.025        0.023
272  22.67     0.07      0.048       (  0.056)       0.025        0.023
273  22.75     0.07      0.048       (  0.056)       0.025        0.023
274  22.83     0.07      0.048       (  0.056)       0.025        0.023
275  22.92     0.07      0.048       (  0.056)       0.025        0.023
276  23.00     0.07      0.048       (  0.055)       0.025        0.023
277  23.08     0.07      0.048       (  0.055)       0.025        0.023
278  23.17     0.07      0.048       (  0.055)       0.025        0.023
279  23.25     0.07      0.048       (  0.055)       0.025        0.023
280  23.33     0.07      0.048       (  0.055)       0.025        0.023
281  23.42     0.07      0.048       (  0.055)       0.025        0.023
282  23.50     0.07      0.048       (  0.055)       0.025        0.023
283  23.58     0.07      0.048       (  0.055)       0.025        0.023
284  23.67     0.07      0.048       (  0.055)       0.025        0.023
285  23.75     0.07      0.048       (  0.054)       0.025        0.023
286  23.83     0.07      0.048       (  0.054)       0.025        0.023
287  23.92     0.07      0.048       (  0.054)       0.025        0.023
288  24.00     0.07      0.048       (  0.054)       0.025        0.023
            (Loss Rate Not Used)
    Sum =     100.0                                  Sum =    51.2
      Flood volume = Effective rainfall      4.27(In)
       times area      19.3(Ac.)/[(In)/(Ft.)] =       6.9(Ac.Ft)
      Total soil loss =      1.73(In)
      Total soil loss =     2.787(Ac.Ft)
      Total rainfall =      6.00(In)
      Flood volume =      298938.2 Cubic Feet
      Total soil loss =      121400.0 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =     14.061(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          24 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0        5.0      10.0      15.0      20.0
 ---------------------------------------------------------------------
   0+ 5       0.0013      0.18  Q         |         |         |         |
   0+10       0.0039      0.39  Q         |         |         |         |
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0+15	0.0069	0.43	Q	|	|	|	|
0+20	0.0106	0.54	VQ	|	|	|	|
0+25	0.0150	0.65	VQ	|	|	|	|
0+30	0.0197	0.67	VQ	|	|	|	|
0+35	0.0243	0.68	VQ	|	|	|	|
0+40	0.0290	0.68	VQ	|	|	|	|
0+45	0.0337	0.68	VQ	|	|	|	|
0+50	0.0391	0.77	VQ	|	|	|	|
0+55	0.0451	0.88	VQ	|	|	|	|
1+ 0	0.0513	0.90	VQ	|	|	|	|
1+ 5	0.0569	0.81	VQ	|	|	|	|
1+10	0.0618	0.72	VQ	|	|	|	|
1+15	0.0666	0.70	VQ	|	|	|	|
1+20	0.0713	0.69	VQ	|	|	|	|
1+25	0.0760	0.68	VQ	|	|	|	|
1+30	0.0807	0.68	VQ	|	|	|	|
1+35	0.0855	0.68	VQ	|	|	|	|
1+40	0.0902	0.68	VQ	|	|	|	|
1+45	0.0949	0.68	VQ	|	|	|	|
1+50	0.1002	0.77	VQ	|	|	|	|
1+55	0.1062	0.88	VQ	|	|	|	|
2+ 0	0.1124	0.90	VQ	|	|	|	|
2+ 5	0.1186	0.91	VQ	|	|	|	|
2+10	0.1249	0.91	VQ	|	|	|	|
2+15	0.1312	0.91	VQ	|	|	|	|
2+20	0.1374	0.91	VQ	|	|	|	|
2+25	0.1437	0.91	VQ	|	|	|	|
2+30	0.1500	0.91	VQ	|	|	|	|
2+35	0.1569	1.00	V Q	|	|	|	|
2+40	0.1645	1.10	V Q	|	|	|	|
2+45	0.1722	1.12	|VQ	|	|	|	|
2+50	0.1800	1.13	|VQ	|	|	|	|
2+55	0.1879	1.14	|VQ	|	|	|	|
3+ 0	0.1957	1.14	|VQ	|	|	|	|
3+ 5	0.2035	1.14	|VQ	|	|	|	|
3+10	0.2114	1.14	|VQ	|	|	|	|
3+15	0.2192	1.14	|VQ	|	|	|	|
3+20	0.2270	1.14	|VQ	|	|	|	|
3+25	0.2349	1.14	|VQ	|	|	|	|
3+30	0.2427	1.14	|VQ	|	|	|	|
3+35	0.2505	1.14	|VQ	|	|	|	|
3+40	0.2584	1.14	|VQ	|	|	|	|
3+45	0.2662	1.14	|VQ	|	|	|	|
3+50	0.2747	1.23	|VQ	|	|	|	|
3+55	0.2838	1.33	|VQ	|	|	|	|
4+ 0	0.2932	1.35	|VQ	|	|	|	|
4+ 5	0.3025	1.36	|VQ	|	|	|	|
4+10	0.3119	1.37	|VQ	|	|	|	|
4+15	0.3213	1.37	|VQ	|	|	|	|
4+20	0.3314	1.46	|VQ	|	|	|	|
4+25	0.3421	1.56	|V Q	|	|	|	|
4+30	0.3530	1.58	| VQ	|	|	|	|
4+35	0.3639	1.59	| VQ	|	|	|	|
4+40	0.3749	1.59	| VQ	|	|	|	|
4+45	0.3859	1.59	| VQ	|	|	|	|
4+50	0.3975	1.68	| VQ	|	|	|	|
4+55	0.4098	1.79	| VQ	|	|	|	|
5+ 0	0.4222	1.81	| VQ	|	|	|	|
5+ 5	0.4335	1.63	| VQ	|	|	|	|
5+10	0.4433	1.43	| Q	|	|	|	|
5+15	0.4529	1.39	| Q	|	|	|	|
5+20	0.4630	1.46	| Q	|	|	|	|
5+25	0.4737	1.56	| VQ	|	|	|	|
5+30	0.4846	1.58	| VQ	|	|	|	|
5+35	0.4962	1.68	| VQ	|	|	|	|
5+40	0.5085	1.79	| VQ	|	|	|	|
5+45	0.5209	1.81	| Q	|	|	|	|
5+50	0.5335	1.82	| Q	|	|	|	|

5+55	0.5460	1.82	Q				
6+ 0	0.5585	1.82	Q				
6+ 5	0.5717	1.91	Q				
6+10	0.5856	2.01	VQ				
6+15	0.5996	2.04	VQ				
6+20	0.6137	2.04	VQ				
6+25	0.6278	2.05	VQ				
6+30	0.6419	2.05	VQ				
6+35	0.6566	2.14	VQ				
6+40	0.6720	2.24	VQ				
6+45	0.6876	2.26	Q				
6+50	0.7033	2.27	Q				
6+55	0.7189	2.28	Q				
7+ 0	0.7346	2.28	Q				
7+ 5	0.7503	2.28	Q				
7+10	0.7659	2.28	Q				
7+15	0.7816	2.28	Q				
7+20	0.7980	2.38	Q				
7+25	0.8153	2.51	VQ				
7+30	0.8328	2.54	VQ				
7+35	0.8517	2.75	VQ				
7+40	0.8722	2.98	Q				
7+45	0.8931	3.03	VQ				
7+50	0.9155	3.25	VQ				
7+55	0.9394	3.48	VQ				
8+ 0	0.9637	3.53	V Q				
8+ 5	0.9909	3.94	V Q				
8+10	1.0210	4.38	V Q				
8+15	1.0518	4.48	V Q				
8+20	1.0830	4.52	V Q				
8+25	1.1143	4.55	V Q				
8+30	1.1458	4.56	V Q				
8+35	1.1786	4.76	V Q				
8+40	1.2129	4.98	V Q				
8+45	1.2476	5.04	V Q				
8+50	1.2838	5.26	V Q				
8+55	1.3215	5.48	V Q				
9+ 0	1.3597	5.54	V Q				
9+ 5	1.4006	5.94	V Q				
9+10	1.4446	6.38	V Q				
9+15	1.4892	6.48	V Q				
9+20	1.5355	6.72	V Q				
9+25	1.5833	6.95	V Q				
9+30	1.6316	7.01	V Q				
9+35	1.6814	7.22	V Q				
9+40	1.7327	7.45	V Q				
9+45	1.7844	7.51	V Q				
9+50	1.8376	7.72	V Q				
9+55	1.8923	7.95	V Q				
10+ 0	1.9475	8.01	V Q				
10+ 5	1.9938	6.72	V Q				
10+10	2.0302	5.28	QV				
10+15	2.0645	4.98	Q V				
10+20	2.0980	4.86	Q V				
10+25	2.1312	4.82	Q V				
10+30	2.1644	4.83	Q V				
10+35	2.2042	5.78	QV				
10+40	2.2512	6.83	Q				
10+45	2.2999	7.06	VQ				
10+50	2.3492	7.17	VQ				
10+55	2.3989	7.22	VQ				
11+ 0	2.4487	7.23	Q				
11+ 5	2.4973	7.05	Q				
11+10	2.5445	6.85	QV				
11+15	2.5914	6.82	Q V				
11+20	2.6383	6.81	Q V				
11+25	2.6852	6.81	Q V				
11+30	2.7322	6.82	Q V				

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11+35       2.7767      6.46  |          | Q   V   |          |          |
11+40       2.8183      6.05  |          | Q   V   |          |          |
11+45       2.8595      5.97  |          |Q    V   |          |          |
11+50       2.9017      6.13  |          | Q   V   |          |          |
11+55       2.9453      6.33  |          | Q    V  |          |          |
12+ 0       2.9893      6.39  |          | Q    V  |          |          |
12+ 5       3.0426      7.73  |          |    Q V  |          |          |
12+10       3.1060      9.21  |          |      Q  |          |          |
12+15       3.1716      9.53  |          |      VQ |          |          |
12+20       3.2395      9.85  |          |      VQ |          |          |
12+25       3.3092     10.13  |          |       VQ          |          |
12+30       3.3794     10.18  |          |       VQ          |          |
12+35       3.4523     10.59  |          |        VQ         |          |
12+40       3.5282     11.02  |          |        V Q        |          |
12+45       3.6048     11.12  |          |         |VQ       |          |
12+50       3.6830     11.35  |          |         |VQ       |          |
12+55       3.7628     11.59  |          |         |V Q      |          |
13+ 0       3.8430     11.64  |          |         | VQ      |          |
13+ 5       3.9298     12.61  |          |         | V  Q    |          |
13+10       4.0240     13.67  |          |         |  V   Q  |          |
13+15       4.1197     13.90  |          |         |   V  Q  |          |
13+20       4.2161     14.00  |          |         |   V   Q |          |
13+25       4.3129     14.05  |          |         |    V  Q |          |
13+30       4.4098     14.06  |          |         |    V  Q |          |
13+35       4.4924     12.01  |          |         |   Q V   |          |
13+40       4.5594      9.72  |          |       Q |     V   |          |
13+45       4.6230      9.24  |          |      Q  |     V   |          |
13+50       4.6854      9.05  |          |      Q  |      V  |          |
13+55       4.7471      8.97  |          |     Q   |      V  |          |
14+ 0       4.8090      8.98  |          |     Q   |       V |          |
14+ 5       4.8761      9.74  |          |       Q |       V |          |
14+10       4.9489     10.58  |          |         |Q      V |          |
14+15       5.0231     10.77  |          |         |Q       V|          |
14+20       5.0965     10.66  |          |         |Q       V|          |
14+25       5.1688     10.50  |          |         Q        V          |
14+30       5.2408     10.46  |          |         Q        V          |
14+35       5.3128     10.45  |          |         Q        V          |
14+40       5.3848     10.45  |          |         Q        |V         |
14+45       5.4568     10.46  |          |         Q        |V         |
14+50       5.5276     10.28  |          |         Q        | V        |
14+55       5.5970     10.08  |          |         Q        | V        |
15+ 0       5.6662     10.04  |          |         Q        |  V       |
15+ 5       5.7340      9.85  |          |       Q |        |  V       |
15+10       5.8004      9.64  |          |       Q |        |  V       |
15+15       5.8665      9.60  |          |       Q |        |   V      |
15+20       5.9313      9.41  |          |      Q  |        |   V      |
15+25       5.9946      9.20  |          |      Q  |        |   V      |
15+30       6.0577      9.16  |          |      Q  |        |    V     |
15+35       6.1156      8.40  |          |    Q    |        |    V     |
15+40       6.1677      7.57  |          |   Q     |        |    V     |
15+45       6.2186      7.40  |          |  Q      |        |     V    |
15+50       6.2691      7.33  |          |  Q      |        |     V    |
15+55       6.3194      7.31  |          |  Q      |        |     V    |
16+ 0       6.3698      7.31  |          |  Q      |        |      V   |
16+ 5       6.4025      4.74  |        Q |         |        |      V   |
16+10       6.4155      1.88  |  Q       |         |        |      V   |
16+15       6.4242      1.27  | Q        |         |        |      V   |
16+20       6.4313      1.02  | Q        |         |        |      V   |
16+25       6.4375      0.91  |Q         |         |        |      V   |
16+30       6.4438      0.91  |Q         |         |        |      V   |
16+35       6.4494      0.82  |Q         |         |        |      V   |
16+40       6.4544      0.72  |Q         |         |        |      V   |
16+45       6.4592      0.70  |Q         |         |        |      V   |
16+50       6.4639      0.69  |Q         |         |        |      V   |
16+55       6.4686      0.68  |Q         |         |        |      V   |
17+ 0       6.4733      0.68  |Q         |         |        |      V   |
17+ 5       6.4793      0.87  |Q         |         |        |      V   |
17+10       6.4866      1.07  | Q        |         |        |      V   |
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17+15       6.4943      1.11  | Q       |         |         |      V  |
17+20       6.5021      1.13  | Q       |         |         |      V  |
17+25       6.5099      1.14  | Q       |         |         |      V  |
17+30       6.5177      1.14  | Q       |         |         |      V  |
17+35       6.5256      1.14  | Q       |         |         |       V |
17+40       6.5334      1.14  | Q       |         |         |       V |
17+45       6.5412      1.14  | Q       |         |         |       V |
17+50       6.5484      1.05  | Q       |         |         |       V |
17+55       6.5549      0.94  |Q        |         |         |       V |
18+ 0       6.5613      0.92  |Q        |         |         |       V |
18+ 5       6.5676      0.91  |Q        |         |         |       V |
18+10       6.5739      0.91  |Q        |         |         |       V |
18+15       6.5801      0.91  |Q        |         |         |       V |
18+20       6.5864      0.91  |Q        |         |         |       V |
18+25       6.5927      0.91  |Q        |         |         |       V |
18+30       6.5989      0.91  |Q        |         |         |       V |
18+35       6.6046      0.82  |Q        |         |         |       V |
18+40       6.6095      0.72  |Q        |         |         |       V |
18+45       6.6143      0.70  |Q        |         |         |       V |
18+50       6.6184      0.60  |Q        |         |         |       V |
18+55       6.6218      0.49  Q        |         |         |       V |
19+ 0       6.6250      0.47  Q        |         |         |       V |
19+ 5       6.6288      0.55  |Q        |         |         |       V |
19+10       6.6333      0.65  |Q        |         |         |       V |
19+15       6.6379      0.67  |Q        |         |         |       V |
19+20       6.6432      0.77  |Q        |         |         |       V |
19+25       6.6492      0.88  |Q        |         |         |       V |
19+30       6.6554      0.90  |Q        |         |         |       V |
19+35       6.6610      0.81  |Q        |         |         |       V |
19+40       6.6659      0.72  |Q        |         |         |       V |
19+45       6.6707      0.70  |Q        |         |         |       V |
19+50       6.6748      0.60  |Q        |         |         |       V |
19+55       6.6782      0.49  Q        |         |         |       V |
20+ 0       6.6814      0.47  Q        |         |         |       V |
20+ 5       6.6852      0.55  |Q        |         |         |       V |
20+10       6.6897      0.65  |Q        |         |         |       V |
20+15       6.6943      0.67  |Q        |         |         |        V|
20+20       6.6990      0.68  |Q        |         |         |        V|
20+25       6.7037      0.68  |Q        |         |         |        V|
20+30       6.7084      0.68  |Q        |         |         |        V|
20+35       6.7131      0.68  |Q        |         |         |        V|
20+40       6.7178      0.68  |Q        |         |         |        V|
20+45       6.7225      0.68  |Q        |         |         |        V|
20+50       6.7265      0.59  |Q        |         |         |        V|
20+55       6.7299      0.49  Q        |         |         |        V|
21+ 0       6.7331      0.47  Q        |         |         |        V|
21+ 5       6.7369      0.55  |Q        |         |         |        V|
21+10       6.7414      0.65  |Q        |         |         |        V|
21+15       6.7460      0.67  |Q        |         |         |        V|
21+20       6.7500      0.59  |Q        |         |         |        V|
21+25       6.7534      0.49  Q        |         |         |        V|
21+30       6.7566      0.47  Q        |         |         |        V|
21+35       6.7604      0.55  |Q        |         |         |        V|
21+40       6.7649      0.65  |Q        |         |         |        V|
21+45       6.7695      0.67  |Q        |         |         |        V|
21+50       6.7735      0.59  |Q        |         |         |        V|
21+55       6.7769      0.49  Q        |         |         |        V|
22+ 0       6.7801      0.47  Q        |         |         |        V|
22+ 5       6.7839      0.55  |Q        |         |         |        V|
22+10       6.7884      0.65  |Q        |         |         |        V|
22+15       6.7930      0.67  |Q        |         |         |        V|
22+20       6.7971      0.59  |Q        |         |         |        V|
22+25       6.8004      0.49  Q        |         |         |        V|
22+30       6.8037      0.47  Q        |         |         |        V|
22+35       6.8068      0.46  Q        |         |         |        V|
22+40       6.8099      0.46  Q        |         |         |        V|
22+45       6.8131      0.46  Q        |         |         |        V|
22+50       6.8162      0.46  Q        |         |         |        V|
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22+55	6.8193	0.46	Q	|	|	|	V|
23+ 0	6.8225	0.46	Q	|	|	|	V|
23+ 5	6.8256	0.46	Q	|	|	|	V|
23+10	6.8288	0.46	Q	|	|	|	V|
23+15	6.8319	0.46	Q	|	|	|	V|
23+20	6.8350	0.46	Q	|	|	|	V|
23+25	6.8382	0.46	Q	|	|	|	V|
23+30	6.8413	0.46	Q	|	|	|	V|
23+35	6.8444	0.46	Q	|	|	|	V|
23+40	6.8476	0.46	Q	|	|	|	V|
23+45	6.8507	0.46	Q	|	|	|	V|
23+50	6.8538	0.46	Q	|	|	|	V|
23+55	6.8570	0.46	Q	|	|	|	V|
24+ 0	6.8601	0.46	Q	|	|	|	V|
24+ 5	6.8620	0.27	Q	|	|	|	V|
24+10	6.8624	0.07	Q	|	|	|	V|
24+15	6.8626	0.03	Q	|	|	|	V|
24+20	6.8627	0.01	Q	|	|	|	V|

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 03/17/22

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: PROA10024100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 292
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 14.061 (CFS)
Total volume = 6.863 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

PROPOSED BASIN ROUTING
100-YEAR 24HR STORM
TT# 38171

++++++++++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 292
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.080	0.130	0.080	0.080
1.300	0.100	0.130	0.100	0.100
1.700	0.130	0.130	0.130	0.130
2.000	0.150	0.130	0.150	0.150
2.300	0.180	0.130	0.180	0.180
2.700	0.200	0.130	0.200	0.200
3.000	0.230	0.130	0.230	0.230
3.300	0.320	0.130	0.320	0.320
3.700	0.420	0.130	0.420	0.420
4.000	0.510	0.130	0.510	0.510
4.300	0.620	0.130	0.620	0.620
4.700	0.720	0.330	0.719	0.721
5.000	0.830	0.560	0.828	0.832
5.300	0.950	0.710	0.948	0.952
5.700	1.060	0.830	1.057	1.063
6.000	1.190	0.930	1.187	1.193
6.300	1.310	1.010	1.307	1.313
6.700	1.440	1.100	1.436	1.444
7.000	1.570	29.950	1.467	1.673

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 3.5 7.03 10.55 14.06	Depth (Ft.)
0.083	0.18	0.00	0.001	O	0.01
0.167	0.39	0.00	0.003	O	0.03
0.250	0.43	0.01	0.005	O	0.07
0.333	0.54	0.01	0.009	OI	0.11
0.417	0.65	0.02	0.013	OI	0.16
0.500	0.67	0.03	0.017	OI	0.21
0.583	0.68	0.03	0.021	OI	0.27
0.667	0.68	0.04	0.026	OI	0.32
0.750	0.68	0.05	0.030	OI	0.38
0.833	0.77	0.06	0.035	OI	0.44
0.917	0.88	0.07	0.040	OI	0.50
1.000	0.90	0.07	0.046	O I	0.57
1.083	0.81	0.08	0.051	OI	0.64
1.167	0.72	0.09	0.056	OI	0.70
1.250	0.70	0.10	0.060	OI	0.75
1.333	0.69	0.10	0.064	OI	0.80
1.417	0.68	0.11	0.068	OI	0.85
1.500	0.68	0.12	0.072	OI	0.90
1.583	0.68	0.12	0.076	OI	0.95
1.667	0.68	0.13	0.080	OI	1.00
1.750	0.68	0.13	0.083	OI	1.05
1.833	0.77	0.13	0.088	OI	1.11
1.917	0.88	0.13	0.092	OI	1.19
2.000	0.90	0.13	0.098	O I	1.26
2.083	0.91	0.13	0.103	O I	1.34
2.167	0.91	0.13	0.108	O I	1.41
2.250	0.91	0.13	0.114	O I	1.48
2.333	0.91	0.13	0.119	O I	1.55
2.417	0.91	0.13	0.124	O I	1.62
2.500	0.91	0.13	0.130	O I	1.70
2.583	1.00	0.13	0.135	O I	1.78
2.667	1.10	0.13	0.142	O I	1.88
2.750	1.12	0.13	0.149	O I	1.98
2.833	1.13	0.13	0.155	O I	2.05
2.917	1.14	0.13	0.162	O I	2.12
3.000	1.14	0.13	0.169	O I	2.19
3.083	1.14	0.13	0.176	O I	2.26
3.167	1.14	0.13	0.183	O I	2.36
3.250	1.14	0.13	0.190	O I	2.50
3.333	1.14	0.13	0.197	O I	2.64
3.417	1.14	0.13	0.204	O I	2.74
3.500	1.14	0.13	0.211	O I	2.81
3.583	1.14	0.13	0.218	O I	2.88
3.667	1.14	0.13	0.225	O I	2.95
3.750	1.14	0.13	0.232	O I	3.01
3.833	1.23	0.13	0.239	O I	3.03
3.917	1.33	0.13	0.247	O I	3.06
4.000	1.35	0.13	0.255	O I	3.08
4.083	1.36	0.13	0.264	O I	3.11
4.167	1.37	0.13	0.272	O I	3.14
4.250	1.37	0.13	0.281	O I	3.17
4.333	1.46	0.13	0.290	O I	3.20
4.417	1.56	0.13	0.299	O I	3.23
4.500	1.58	0.13	0.309	O I	3.26
4.583	1.59	0.13	0.319	O I	3.30
4.667	1.59	0.13	0.329	O I	3.34
4.750	1.59	0.13	0.339	O I	3.38
4.833	1.68	0.13	0.349	O I	3.42
4.917	1.79	0.13	0.361	O I	3.46
5.000	1.81	0.13	0.372	O I	3.51

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 5.083    1.63    0.13      0.383  O  I    |       |       |       |     3.55
 5.167    1.43    0.13      0.393  O  I    |       |       |       |     3.59
 5.250    1.39    0.13      0.401  O  I    |       |       |       |     3.63
 5.333    1.46    0.13      0.410  O  I    |       |       |       |     3.66
 5.417    1.56    0.13      0.420  O  I    |       |       |       |     3.70
 5.500    1.58    0.13      0.430  O  I    |       |       |       |     3.73
 5.583    1.68    0.13      0.440  O  I    |       |       |       |     3.77
 5.667    1.79    0.13      0.451  O   I   |       |       |       |     3.80
 5.750    1.81    0.13      0.463  O   I   |       |       |       |     3.84
 5.833    1.82    0.13      0.474  O   I   |       |       |       |     3.88
 5.917    1.82    0.13      0.486  O   I   |       |       |       |     3.92
 6.000    1.82    0.13      0.498  O   I   |       |       |       |     3.96
 6.083    1.91    0.13      0.509  O   I   |       |       |       |     4.00
 6.167    2.01    0.13      0.522  O   I   |       |       |       |     4.03
 6.250    2.04    0.13      0.535  O   I   |       |       |       |     4.07
 6.333    2.04    0.13      0.548  O   I   |       |       |       |     4.10
 6.417    2.05    0.13      0.561  O   I   |       |       |       |     4.14
 6.500    2.05    0.13      0.575  O   I   |       |       |       |     4.18
 6.583    2.14    0.13      0.588  O   I   |       |       |       |     4.21
 6.667    2.24    0.13      0.602  O    I  |       |       |       |     4.25
 6.750    2.26    0.13      0.617  O    I  |       |       |       |     4.29
 6.833    2.27    0.15      0.632  O    I  |       |       |       |     4.35
 6.917    2.28    0.18      0.646  O    I  |       |       |       |     4.40
 7.000    2.28    0.21      0.660  O    I  |       |       |       |     4.46
 7.083    2.28    0.24      0.675  O    I  |       |       |       |     4.52
 7.167    2.28    0.27      0.689  O    I  |       |       |       |     4.57
 7.250    2.28    0.29      0.702  O    I  |       |       |       |     4.63
 7.333    2.38    0.32      0.716  O    I  |       |       |       |     4.68
 7.417    2.51    0.35      0.731  O    I  |       |       |       |     4.73
 7.500    2.54    0.38      0.746  O    I  |       |       |       |     4.77
 7.583    2.75    0.42      0.761  O     I |       |       |       |     4.81
 7.667    2.98    0.45      0.778  |O    I |       |       |       |     4.86
 7.750    3.03    0.49      0.795  |O    I |       |       |       |     4.91
 7.833    3.25    0.53      0.813  |O     I|       |       |       |     4.95
 7.917    3.48    0.56      0.833  |O     I|       |       |       |     5.01
 8.000    3.53    0.59      0.853  |O      I       |       |       |     5.06
 8.083    3.94    0.62      0.875  |O      I       |       |       |     5.11
 8.167    4.38    0.65      0.899  |O      |I      |       |       |     5.17
 8.250    4.48    0.68      0.925  |O      | I     |       |       |     5.24
 8.333    4.52    0.71      0.951  |O      | I     |       |       |     5.30
 8.417    4.55    0.74      0.977  |O      | I     |       |       |     5.40
 8.500    4.56    0.77      1.003  |O      | I     |       |       |     5.49
 8.583    4.76    0.80      1.030  |O      | I     |       |       |     5.59
 8.667    4.98    0.83      1.058  |O      |  I    |       |       |     5.69
 8.750    5.04    0.85      1.087  |O      |  I    |       |       |     5.76
 8.833    5.26    0.87      1.116  |O      |  I    |       |       |     5.83
 8.917    5.48    0.90      1.147  | O     |   I   |       |       |     5.90
 9.000    5.54    0.92      1.179  | O     |   I   |       |       |     5.97
 9.083    5.94    0.94      1.212  | O     |    I  |       |       |     6.06
 9.167    6.38    0.97      1.248  | O     |     I |       |       |     6.14
 9.250    6.48    0.99      1.285  | O     |     I |       |       |     6.24
 9.333    6.72    1.02      1.324  | O     |      I|       |       |     6.34
 9.417    6.95    1.05      1.364  | O     |      I|       |       |     6.47
 9.500    7.01    1.08      1.405  | O     |      I|       |       |     6.59
 9.583    7.22    1.87      1.443  |   O   |       I       |       |     6.71
 9.667    7.45    6.61      1.465  |       |      OI       |       |     6.76
 9.750    7.51    7.36      1.468  |       |       OI      |       |     6.77
 9.833    7.72    7.58      1.469  |       |       |O      |       |     6.77
 9.917    7.95    7.80      1.470  |       |       |OI     |       |     6.77
10.000    8.01    7.96      1.471  |       |       | O     |       |     6.77
10.083    6.72    7.44      1.469  |       |      IO       |       |     6.77
10.167    5.28    6.19      1.463  |       |   I O |       |       |     6.75
10.250    4.98    5.27      1.459  |       |  IO   |       |       |     6.74
10.333    4.86    4.97      1.457  |       |  O    |       |       |     6.74
10.417    4.82    4.86      1.457  |       | IO    |       |       |     6.74
10.500    4.83    4.83      1.457  |       | O     |       |       |     6.74
10.583    5.78    5.24      1.459  |       |  O I  |       |       |     6.74
10.667    6.83    6.16      1.463  |       |    OI|       |       |     6.75
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10.750	7.06	6.84	1.466	|	|	OI	|	|	6.76
10.833	7.17	7.08	1.467	|	|	O	|	|	6.76
10.917	7.22	7.18	1.467	|	|	O	|	|	6.76
11.000	7.23	7.22	1.468	|	|	O	|	|	6.76
11.083	7.05	7.15	1.467	|	|	O	|	|	6.76
11.167	6.85	6.98	1.466	|	|	O|	|	|	6.76
11.250	6.82	6.85	1.466	|	|	O|	|	|	6.76
11.333	6.81	6.82	1.466	|	|	O|	|	|	6.76
11.417	6.81	6.81	1.466	|	|	O|	|	|	6.76
11.500	6.82	6.82	1.466	|	|	O|	|	|	6.76
11.583	6.46	6.66	1.465	|	|	IO|	|	|	6.76
11.667	6.05	6.31	1.463	|	|	IO |	|	|	6.75
11.750	5.97	6.05	1.462	|	|	O |	|	|	6.75
11.833	6.13	6.05	1.462	|	|	O |	|	|	6.75
11.917	6.33	6.21	1.463	|	|	O |	|	|	6.75
12.000	6.39	6.34	1.464	|	|	O |	|	|	6.75
12.083	7.73	6.96	1.466	|	|	O|I	|	|	6.76
12.167	9.21	8.27	1.472	|	|	| O I	|	|	6.77
12.250	9.53	9.22	1.477	|	|	| OI	|	|	6.78
12.333	9.85	9.63	1.478	|	|	| OI |	|	6.79
12.417	10.13	9.94	1.480	|	|	| OI|	|	6.79
12.500	10.18	10.13	1.481	|	|	| O|	|	6.79
12.583	10.59	10.35	1.482	|	|	| OI	|	6.80
12.667	11.02	10.74	1.483	|	|	| OI	|	6.80
12.750	11.12	11.03	1.485	|	|	| |O	|	6.80
12.833	11.35	11.21	1.486	|	|	| |O	|	6.81
12.917	11.59	11.44	1.487	|	|	| | O	|	6.81
13.000	11.64	11.59	1.487	|	|	| | O	|	6.81
13.083	12.61	12.05	1.489	|	|	| | OI	|	6.81
13.167	13.67	12.99	1.494	|	|	| | O I|		6.82
13.250	13.90	13.68	1.497	|	|	| | O|		6.83
13.333	14.00	13.91	1.498	|	|	| | O|		6.83
13.417	14.05	14.01	1.498	|	|	| | O|		6.83
13.500	**14.06**	**14.05**	**1.498**	**|**	**|**	**|**	**| OI**		**6.83**
13.583	12.01	13.17	1.494	|	|	| | I O		6.83
13.667	9.72	11.17	1.485	|	|	| I |O	|	6.80
13.750	9.24	9.71	1.479	|	|	| IO |	|	6.79
13.833	9.05	9.22	1.477	|	|	| O |	|	6.78
13.917	8.97	9.04	1.476	|	|	| O |	|	6.78
14.000	8.98	8.98	1.476	|	|	| O |	|	6.78
14.083	9.74	9.31	1.477	|	|	| OI |	|	6.79
14.167	10.58	10.05	1.480	|	|	| O I	|	6.79
14.250	10.77	10.59	1.483	|	|	| O	|	6.80
14.333	10.66	10.70	1.483	|	|	| O	|	6.80
14.417	10.50	10.59	1.483	|	|	| IO	|	6.80
14.500	10.46	10.49	1.482	|	|	| O|	|	6.80
14.583	10.45	10.46	1.482	|	|	| O|	|	6.80
14.667	10.45	10.45	1.482	|	|	| O|	|	6.80
14.750	10.46	10.45	1.482	|	|	| O|	|	6.80
14.833	10.28	10.38	1.482	|	|	| O|	|	6.80
14.917	10.08	10.21	1.481	|	|	| IO|	|	6.79
15.000	10.04	10.08	1.480	|	|	| O |	|	6.79
15.083	9.85	9.96	1.480	|	|	| O |	|	6.79
15.167	9.64	9.77	1.479	|	|	| IO |	|	6.79
15.250	9.60	9.64	1.478	|	|	| O |	|	6.79
15.333	9.41	9.52	1.478	|	|	| O |	|	6.79
15.417	9.20	9.33	1.477	|	|	| IO |	|	6.79
15.500	9.16	9.20	1.476	|	|	| O |	|	6.78
15.583	8.40	8.84	1.475	|	|	| IO |	|	6.78
15.667	7.57	8.10	1.472	|	|	|IO |	|	6.77
15.750	7.40	7.56	1.469	|	|	IO |	|	6.77
15.833	7.33	7.39	1.468	|	|	O |	|	6.77
15.917	7.31	7.33	1.468	|	|	O |	|	6.76
16.000	7.31	7.31	1.468	|	|	O |	|	6.76
16.083	4.74	6.20	1.463	|	| I O |	|	|	6.75
16.167	1.88	3.70	1.452	| I O |	|	|	|	|	6.73
16.250	1.27	1.86	1.443	| I O |	|	|	|	|	6.71
16.333	1.02	1.24	1.441	| O |	|	|	|	|	6.70

16.417	0.91	1.10	1.439	O				6.70
16.500	0.91	1.10	1.438	O				6.69
16.583	0.82	1.10	1.436	IO				6.69
16.667	0.72	1.10	1.434	IO				6.68
16.750	0.70	1.09	1.431	IO				6.67
16.833	0.69	1.09	1.429	IO				6.66
16.917	0.68	1.09	1.426	IO				6.66
17.000	0.68	1.09	1.423	IO				6.65
17.083	0.87	1.09	1.421	IO				6.64
17.167	1.07	1.09	1.420	O				6.64
17.250	1.11	1.09	1.420	O				6.64
17.333	1.13	1.09	1.420	O				6.64
17.417	1.14	1.09	1.421	O				6.64
17.500	1.14	1.09	1.421	O				6.64
17.583	1.14	1.09	1.421	O				6.64
17.667	1.14	1.09	1.422	O				6.64
17.750	1.14	1.09	1.422	O				6.64
17.833	1.05	1.09	1.422	O				6.64
17.917	0.94	1.09	1.421	O				6.64
18.000	0.92	1.09	1.420	O				6.64
18.083	0.91	1.09	1.419	O				6.64
18.167	0.91	1.08	1.418	O				6.63
18.250	0.91	1.08	1.417	O				6.63
18.333	0.91	1.08	1.416	O				6.63
18.417	0.91	1.08	1.414	O				6.62
18.500	0.91	1.08	1.413	O				6.62
18.583	0.82	1.08	1.412	IO				6.61
18.667	0.72	1.08	1.410	IO				6.61
18.750	0.70	1.08	1.407	IO				6.60
18.833	0.60	1.08	1.404	IO				6.59
18.917	0.49	1.07	1.400	IO				6.58
19.000	0.47	1.07	1.396	IO				6.57
19.083	0.55	1.07	1.393	IO				6.55
19.167	0.65	1.06	1.389	IO				6.54
19.250	0.67	1.06	1.386	IO				6.54
19.333	0.77	1.06	1.384	IO				6.53
19.417	0.88	1.06	1.383	IO				6.52
19.500	0.90	1.06	1.381	O				6.52
19.583	0.81	1.06	1.380	IO				6.52
19.667	0.72	1.06	1.378	IO				6.51
19.750	0.70	1.06	1.375	IO				6.50
19.833	0.60	1.05	1.373	IO				6.49
19.917	0.49	1.05	1.369	IO				6.48
20.000	0.47	1.05	1.365	IO				6.47
20.083	0.55	1.05	1.362	IO				6.46
20.167	0.65	1.04	1.358	IO				6.45
20.250	0.67	1.04	1.356	IO				6.44
20.333	0.68	1.04	1.353	IO				6.43
20.417	0.68	1.04	1.351	IO				6.43
20.500	0.68	1.04	1.348	IO				6.42
20.583	0.68	1.03	1.346	IO				6.41
20.667	0.68	1.03	1.344	IO				6.40
20.750	0.68	1.03	1.341	IO				6.40
20.833	0.59	1.03	1.338	IO				6.39
20.917	0.49	1.03	1.335	IO				6.38
21.000	0.47	1.02	1.331	IO				6.37
21.083	0.55	1.02	1.328	IO				6.35
21.167	0.65	1.02	1.325	IO				6.35
21.250	0.67	1.02	1.322	IO				6.34
21.333	0.59	1.02	1.320	IO				6.33
21.417	0.49	1.01	1.316	IO				6.32
21.500	0.47	1.01	1.313	IO				6.31
21.583	0.55	1.01	1.309	IO				6.30
21.667	0.65	1.01	1.306	IO				6.29
21.750	0.67	1.01	1.304	IO				6.29
21.833	0.59	1.00	1.301	IO				6.28
21.917	0.49	1.00	1.298	IO				6.27
22.000	0.47	1.00	1.295	IO				6.26

22.083	0.55	1.00	1.291	|IO	|	|	|	6.25
22.167	0.65	1.00	1.289	|IO	|	|	|	6.25
22.250	0.67	0.99	1.286	|IO	|	|	|	6.24
22.333	0.59	0.99	1.284	|IO	|	|	|	6.23
22.417	0.49	0.99	1.281	|IO	|	|	|	6.23
22.500	0.47	0.99	1.277	|IO	|	|	|	6.22
22.583	0.46	0.99	1.273	|IO	|	|	|	6.21
22.667	0.46	0.98	1.270	|IO	|	|	|	6.20
22.750	0.46	0.98	1.266	|IO	|	|	|	6.19
22.833	0.46	0.98	1.263	|IO	|	|	|	6.18
22.917	0.46	0.98	1.259	|IO	|	|	|	6.17
23.000	0.46	0.97	1.255	|IO	|	|	|	6.16
23.083	0.46	0.97	1.252	|IO	|	|	|	6.15
23.167	0.46	0.97	1.248	|IO	|	|	|	6.15
23.250	0.46	0.97	1.245	|IO	|	|	|	6.14
23.333	0.46	0.96	1.241	|IO	|	|	|	6.13
23.417	0.46	0.96	1.238	|IO	|	|	|	6.12
23.500	0.46	0.96	1.234	|IO	|	|	|	6.11
23.583	0.46	0.96	1.231	|IO	|	|	|	6.10
23.667	0.46	0.95	1.227	|IO	|	|	|	6.09
23.750	0.46	0.95	1.224	|IO	|	|	|	6.08
23.833	0.46	0.95	1.221	|IO	|	|	|	6.08
23.917	0.46	0.95	1.217	|IO	|	|	|	6.07
24.000	0.46	0.95	1.214	|IO	|	|	|	6.06
24.083	0.27	0.94	1.210	I O	|	|	|	6.05
24.167	0.07	0.94	1.204	I O	|	|	|	6.04
24.250	0.03	0.94	1.198	I O	|	|	|	6.02
24.333	0.01	0.93	1.192	I O	|	|	|	6.00
24.417	0.00	0.93	1.186	I O	|	|	|	5.99
24.500	0.00	0.92	1.179	I O	|	|	|	5.98
24.583	0.00	0.92	1.173	I O	|	|	|	5.96
24.667	0.00	0.91	1.167	I O	|	|	|	5.95
24.750	0.00	0.91	1.160	I O	|	|	|	5.93
24.833	0.00	0.90	1.154	I O	|	|	|	5.92
24.917	0.00	0.90	1.148	I O	|	|	|	5.90
25.000	0.00	0.89	1.142	I O	|	|	|	5.89
25.083	0.00	0.89	1.136	I O	|	|	|	5.87
25.167	0.00	0.88	1.130	I O	|	|	|	5.86
25.250	0.00	0.88	1.123	IO	|	|	|	5.85
25.333	0.00	0.87	1.117	IO	|	|	|	5.83
25.417	0.00	0.87	1.111	IO	|	|	|	5.82
25.500	0.00	0.86	1.105	IO	|	|	|	5.80
25.583	0.00	0.86	1.099	IO	|	|	|	5.79
25.667	0.00	0.86	1.094	IO	|	|	|	5.78
25.750	0.00	0.85	1.088	IO	|	|	|	5.76
25.833	0.00	0.85	1.082	IO	|	|	|	5.75
25.917	0.00	0.84	1.076	IO	|	|	|	5.74
26.000	0.00	0.84	1.070	IO	|	|	|	5.72
26.083	0.00	0.83	1.065	IO	|	|	|	5.71
26.167	0.00	0.83	1.059	IO	|	|	|	5.70
26.250	0.00	0.82	1.053	IO	|	|	|	5.67
26.333	0.00	0.82	1.047	IO	|	|	|	5.65
26.417	0.00	0.81	1.042	IO	|	|	|	5.63
26.500	0.00	0.80	1.036	IO	|	|	|	5.61
26.583	0.00	0.80	1.031	IO	|	|	|	5.59
26.667	0.00	0.79	1.025	IO	|	|	|	5.57
26.750	0.00	0.79	1.020	IO	|	|	|	5.55
26.833	0.00	0.78	1.014	IO	|	|	|	5.53
26.917	0.00	0.77	1.009	IO	|	|	|	5.51
27.000	0.00	0.77	1.004	IO	|	|	|	5.50
27.083	0.00	0.76	0.999	IO	|	|	|	5.48
27.167	0.00	0.76	0.993	IO	|	|	|	5.46
27.250	0.00	0.75	0.988	IO	|	|	|	5.44
27.333	0.00	0.75	0.983	IO	|	|	|	5.42
27.417	0.00	0.74	0.978	IO	|	|	|	5.40
27.500	0.00	0.73	0.973	IO	|	|	|	5.38
27.583	0.00	0.73	0.968	IO	|	|	|	5.36
27.667	0.00	0.72	0.963	IO	|	|	|	5.35

27.750	0.00	0.72	0.958	IO	|	|	|	| 5.33
27.833	0.00	0.71	0.953	IO	|	|	|	| 5.31
27.917	0.00	0.71	0.948	IO	|	|	|	| 5.29
28.000	0.00	0.70	0.943	IO	|	|	|	| 5.28
28.083	0.00	0.70	0.938	IO	|	|	|	| 5.27
28.167	0.00	0.69	0.933	IO	|	|	|	| 5.26
28.250	0.00	0.68	0.929	IO	|	|	|	| 5.25
28.333	0.00	0.68	0.924	IO	|	|	|	| 5.24
28.417	0.00	0.67	0.919	IO	|	|	|	| 5.22
28.500	0.00	0.67	0.915	IO	|	|	|	| 5.21
28.583	0.00	0.66	0.910	IO	|	|	|	| 5.20
28.667	0.00	0.65	0.906	IO	|	|	|	| 5.19
28.750	0.00	0.65	0.901	IO	|	|	|	| 5.18
28.833	0.00	0.64	0.897	IO	|	|	|	| 5.17
28.917	0.00	0.64	0.892	IO	|	|	|	| 5.16
29.000	0.00	0.63	0.888	IO	|	|	|	| 5.14
29.083	0.00	0.63	0.884	IO	|	|	|	| 5.13
29.167	0.00	0.62	0.879	IO	|	|	|	| 5.12
29.250	0.00	0.62	0.875	IO	|	|	|	| 5.11
29.333	0.00	0.61	0.871	IO	|	|	|	| 5.10
29.417	0.00	0.61	0.867	IO	|	|	|	| 5.09
29.500	0.00	0.60	0.863	IO	|	|	|	| 5.08
29.583	0.00	0.60	0.858	IO	|	|	|	| 5.07
29.667	0.00	0.59	0.854	IO	|	|	|	| 5.06
29.750	0.00	0.59	0.850	IO	|	|	|	| 5.05
29.833	0.00	0.58	0.846	IO	|	|	|	| 5.04
29.917	0.00	0.58	0.842	IO	|	|	|	| 5.03
30.000	0.00	0.57	0.838	IO	|	|	|	| 5.02
30.083	0.00	0.57	0.834	IO	|	|	|	| 5.01
30.167	0.00	0.56	0.831	IO	|	|	|	| 5.00
30.250	0.00	0.55	0.827	IO	|	|	|	| 4.99
30.333	0.00	0.55	0.823	IO	|	|	|	| 4.98
30.417	0.00	0.54	0.819	IO	|	|	|	| 4.97
30.500	0.00	0.53	0.816	IO	|	|	|	| 4.96
30.583	0.00	0.52	0.812	IO	|	|	|	| 4.95
30.667	0.00	0.51	0.808	IO	|	|	|	| 4.94
30.750	0.00	0.51	0.805	IO	|	|	|	| 4.93
30.833	0.00	0.50	0.801	IO	|	|	|	| 4.92
30.917	0.00	0.49	0.798	IO	|	|	|	| 4.91
31.000	0.00	0.49	0.795	IO	|	|	|	| 4.90
31.083	0.00	0.48	0.791	IO	|	|	|	| 4.89
31.167	0.00	0.47	0.788	IO	|	|	|	| 4.89
31.250	0.00	0.47	0.785	IO	|	|	|	| 4.88
31.333	0.00	0.46	0.782	IO	|	|	|	| 4.87
31.417	0.00	0.45	0.778	IO	|	|	|	| 4.86
31.500	0.00	0.45	0.775	IO	|	|	|	| 4.85
31.583	0.00	0.44	0.772	O	|	|	|	| 4.84
31.667	0.00	0.43	0.769	O	|	|	|	| 4.83
31.750	0.00	0.43	0.766	O	|	|	|	| 4.83
31.833	0.00	0.42	0.763	O	|	|	|	| 4.82
31.917	0.00	0.41	0.761	O	|	|	|	| 4.81
32.000	0.00	0.41	0.758	O	|	|	|	| 4.80
32.083	0.00	0.40	0.755	O	|	|	|	| 4.80
32.167	0.00	0.40	0.752	O	|	|	|	| 4.79
32.250	0.00	0.39	0.749	O	|	|	|	| 4.78
32.333	0.00	0.39	0.747	O	|	|	|	| 4.77
32.417	0.00	0.38	0.744	O	|	|	|	| 4.77
32.500	0.00	0.37	0.741	O	|	|	|	| 4.76
32.583	0.00	0.37	0.739	O	|	|	|	| 4.75
32.667	0.00	0.36	0.736	O	|	|	|	| 4.74
32.750	0.00	0.36	0.734	O	|	|	|	| 4.74
32.833	0.00	0.35	0.731	O	|	|	|	| 4.73
32.917	0.00	0.35	0.729	O	|	|	|	| 4.72
33.000	0.00	0.34	0.727	O	|	|	|	| 4.72
33.083	0.00	0.34	0.724	O	|	|	|	| 4.71
33.167	0.00	0.33	0.722	O	|	|	|	| 4.71
33.250	0.00	0.33	0.720	O	|	|	|	| 4.70
33.333	0.00	0.32	0.717	O	|	|	|	| 4.69

33.417	0.00	0.32	0.715	O	|	|	|	|	4.68
33.500	0.00	0.32	0.713	O	|	|	|	|	4.67
33.583	0.00	0.31	0.711	O	|	|	|	|	4.66
33.667	0.00	0.31	0.709	O	|	|	|	|	4.65
33.750	0.00	0.30	0.707	O	|	|	|	|	4.65
33.833	0.00	0.30	0.705	O	|	|	|	|	4.64
33.917	0.00	0.30	0.703	O	|	|	|	|	4.63
34.000	0.00	0.29	0.700	O	|	|	|	|	4.62
34.083	0.00	0.29	0.698	O	|	|	|	|	4.61
34.167	0.00	0.28	0.697	O	|	|	|	|	4.61
34.250	0.00	0.28	0.695	O	|	|	|	|	4.60
34.333	0.00	0.28	0.693	O	|	|	|	|	4.59
34.417	0.00	0.27	0.691	O	|	|	|	|	4.58
34.500	0.00	0.27	0.689	O	|	|	|	|	4.58
34.583	0.00	0.26	0.687	O	|	|	|	|	4.57
34.667	0.00	0.26	0.685	O	|	|	|	|	4.56
34.750	0.00	0.26	0.684	O	|	|	|	|	4.55
34.833	0.00	0.25	0.682	O	|	|	|	|	4.55
34.917	0.00	0.25	0.680	O	|	|	|	|	4.54
35.000	0.00	0.25	0.678	O	|	|	|	|	4.53
35.083	0.00	0.24	0.677	O	|	|	|	|	4.53
35.167	0.00	0.24	0.675	O	|	|	|	|	4.52
35.250	0.00	0.24	0.673	O	|	|	|	|	4.51
35.333	0.00	0.23	0.672	O	|	|	|	|	4.51
35.417	0.00	0.23	0.670	O	|	|	|	|	4.50
35.500	0.00	0.23	0.669	O	|	|	|	|	4.49
35.583	0.00	0.22	0.667	O	|	|	|	|	4.49
35.667	0.00	0.22	0.665	O	|	|	|	|	4.48
35.750	0.00	0.22	0.664	O	|	|	|	|	4.48
35.833	0.00	0.21	0.662	O	|	|	|	|	4.47
35.917	0.00	0.21	0.661	O	|	|	|	|	4.46
36.000	0.00	0.21	0.660	O	|	|	|	|	4.46
36.083	0.00	0.21	0.658	O	|	|	|	|	4.45
36.167	0.00	0.20	0.657	O	|	|	|	|	4.45
36.250	0.00	0.20	0.655	O	|	|	|	|	4.44
36.333	0.00	0.20	0.654	O	|	|	|	|	4.44
36.417	0.00	0.20	0.653	O	|	|	|	|	4.43
36.500	0.00	0.19	0.651	O	|	|	|	|	4.42
36.583	0.00	0.19	0.650	O	|	|	|	|	4.42
36.667	0.00	0.19	0.649	O	|	|	|	|	4.41
36.750	0.00	0.18	0.647	O	|	|	|	|	4.41
36.833	0.00	0.18	0.646	O	|	|	|	|	4.40
36.917	0.00	0.18	0.645	O	|	|	|	|	4.40
37.000	0.00	0.18	0.644	O	|	|	|	|	4.39
37.083	0.00	0.17	0.642	O	|	|	|	|	4.39
37.167	0.00	0.17	0.641	O	|	|	|	|	4.38
37.250	0.00	0.17	0.640	O	|	|	|	|	4.38
37.333	0.00	0.17	0.639	O	|	|	|	|	4.38
37.417	0.00	0.17	0.638	O	|	|	|	|	4.37
37.500	0.00	0.16	0.637	O	|	|	|	|	4.37
37.583	0.00	0.16	0.635	O	|	|	|	|	4.36
37.667	0.00	0.16	0.634	O	|	|	|	|	4.36
37.750	0.00	0.16	0.633	O	|	|	|	|	4.35
37.833	0.00	0.15	0.632	O	|	|	|	|	4.35
37.917	0.00	0.15	0.631	O	|	|	|	|	4.34
38.000	0.00	0.15	0.630	O	|	|	|	|	4.34
38.083	0.00	0.15	0.629	O	|	|	|	|	4.34
38.167	0.00	0.15	0.628	O	|	|	|	|	4.33
38.250	0.00	0.14	0.627	O	|	|	|	|	4.33
38.333	0.00	0.14	0.626	O	|	|	|	|	4.32
38.417	0.00	0.14	0.625	O	|	|	|	|	4.32
38.500	0.00	0.14	0.624	O	|	|	|	|	4.32
38.583	0.00	0.14	0.623	O	|	|	|	|	4.31
38.667	0.00	0.13	0.622	O	|	|	|	|	4.31
38.750	0.00	0.13	0.621	O	|	|	|	|	4.31
38.833	0.00	0.13	0.620	O	|	|	|	|	4.30
38.917	0.00	0.13	0.620	O	|	|	|	|	4.30
39.000	0.00	0.13	0.619	O	|	|	|	|	4.30

39.083	0.00	0.13	0.618	O	|	|	|	|	4.29
39.167	0.00	0.13	0.617	O	|	|	|	|	4.29
39.250	0.00	0.13	0.616	O	|	|	|	|	4.29
39.333	0.00	0.13	0.615	O	|	|	|	|	4.29
39.417	0.00	0.13	0.614	O	|	|	|	|	4.28
39.500	0.00	0.13	0.613	O	|	|	|	|	4.28
39.583	0.00	0.13	0.612	O	|	|	|	|	4.28
39.667	0.00	0.13	0.611	O	|	|	|	|	4.28
39.750	0.00	0.13	0.611	O	|	|	|	|	4.27
39.833	0.00	0.13	0.610	O	|	|	|	|	4.27
39.917	0.00	0.13	0.609	O	|	|	|	|	4.27
40.000	0.00	0.13	0.608	O	|	|	|	|	4.27
40.083	0.00	0.13	0.607	O	|	|	|	|	4.26
40.167	0.00	0.13	0.606	O	|	|	|	|	4.26
40.250	0.00	0.13	0.605	O	|	|	|	|	4.26
40.333	0.00	0.13	0.604	O	|	|	|	|	4.26
40.417	0.00	0.13	0.603	O	|	|	|	|	4.25
40.500	0.00	0.13	0.603	O	|	|	|	|	4.25
40.583	0.00	0.13	0.602	O	|	|	|	|	4.25
40.667	0.00	0.13	0.601	O	|	|	|	|	4.25
40.750	0.00	0.13	0.600	O	|	|	|	|	4.25
40.833	0.00	0.13	0.599	O	|	|	|	|	4.24
40.917	0.00	0.13	0.598	O	|	|	|	|	4.24
41.000	0.00	0.13	0.597	O	|	|	|	|	4.24
41.083	0.00	0.13	0.596	O	|	|	|	|	4.24
41.167	0.00	0.13	0.595	O	|	|	|	|	4.23
41.250	0.00	0.13	0.594	O	|	|	|	|	4.23
41.333	0.00	0.13	0.594	O	|	|	|	|	4.23
41.417	0.00	0.13	0.593	O	|	|	|	|	4.23
41.500	0.00	0.13	0.592	O	|	|	|	|	4.22
41.583	0.00	0.13	0.591	O	|	|	|	|	4.22
41.667	0.00	0.13	0.590	O	|	|	|	|	4.22
41.750	0.00	0.13	0.589	O	|	|	|	|	4.22
41.833	0.00	0.13	0.588	O	|	|	|	|	4.21
41.917	0.00	0.13	0.587	O	|	|	|	|	4.21
42.000	0.00	0.13	0.586	O	|	|	|	|	4.21
42.083	0.00	0.13	0.586	O	|	|	|	|	4.21
42.167	0.00	0.13	0.585	O	|	|	|	|	4.20
42.250	0.00	0.13	0.584	O	|	|	|	|	4.20
42.333	0.00	0.13	0.583	O	|	|	|	|	4.20
42.417	0.00	0.13	0.582	O	|	|	|	|	4.20
42.500	0.00	0.13	0.581	O	|	|	|	|	4.19
42.583	0.00	0.13	0.580	O	|	|	|	|	4.19
42.667	0.00	0.13	0.579	O	|	|	|	|	4.19
42.750	0.00	0.13	0.578	O	|	|	|	|	4.19
42.833	0.00	0.13	0.577	O	|	|	|	|	4.18
42.917	0.00	0.13	0.577	O	|	|	|	|	4.18
43.000	0.00	0.13	0.576	O	|	|	|	|	4.18
43.083	0.00	0.13	0.575	O	|	|	|	|	4.18
43.167	0.00	0.13	0.574	O	|	|	|	|	4.17
43.250	0.00	0.13	0.573	O	|	|	|	|	4.17
43.333	0.00	0.13	0.572	O	|	|	|	|	4.17
43.417	0.00	0.13	0.571	O	|	|	|	|	4.17
43.500	0.00	0.13	0.570	O	|	|	|	|	4.16
43.583	0.00	0.13	0.569	O	|	|	|	|	4.16
43.667	0.00	0.13	0.569	O	|	|	|	|	4.16
43.750	0.00	0.13	0.568	O	|	|	|	|	4.16
43.833	0.00	0.13	0.567	O	|	|	|	|	4.15
43.917	0.00	0.13	0.566	O	|	|	|	|	4.15
44.000	0.00	0.13	0.565	O	|	|	|	|	4.15
44.083	0.00	0.13	0.564	O	|	|	|	|	4.15
44.167	0.00	0.13	0.563	O	|	|	|	|	4.14
44.250	0.00	0.13	0.562	O	|	|	|	|	4.14
44.333	0.00	0.13	0.561	O	|	|	|	|	4.14
44.417	0.00	0.13	0.560	O	|	|	|	|	4.14
44.500	0.00	0.13	0.560	O	|	|	|	|	4.14
44.583	0.00	0.13	0.559	O	|	|	|	|	4.13
44.667	0.00	0.13	0.558	O	|	|	|	|	4.13

44.750	0.00	0.13	0.557	O	|	|	|	|	4.13
44.833	0.00	0.13	0.556	O	|	|	|	|	4.13
44.917	0.00	0.13	0.555	O	|	|	|	|	4.12
45.000	0.00	0.13	0.554	O	|	|	|	|	4.12
45.083	0.00	0.13	0.553	O	|	|	|	|	4.12
45.167	0.00	0.13	0.552	O	|	|	|	|	4.12
45.250	0.00	0.13	0.552	O	|	|	|	|	4.11
45.333	0.00	0.13	0.551	O	|	|	|	|	4.11
45.417	0.00	0.13	0.550	O	|	|	|	|	4.11
45.500	0.00	0.13	0.549	O	|	|	|	|	4.11
45.583	0.00	0.13	0.548	O	|	|	|	|	4.10
45.667	0.00	0.13	0.547	O	|	|	|	|	4.10
45.750	0.00	0.13	0.546	O	|	|	|	|	4.10
45.833	0.00	0.13	0.545	O	|	|	|	|	4.10
45.917	0.00	0.13	0.544	O	|	|	|	|	4.09
46.000	0.00	0.13	0.543	O	|	|	|	|	4.09
46.083	0.00	0.13	0.543	O	|	|	|	|	4.09
46.167	0.00	0.13	0.542	O	|	|	|	|	4.09
46.250	0.00	0.13	0.541	O	|	|	|	|	4.08
46.333	0.00	0.13	0.540	O	|	|	|	|	4.08
46.417	0.00	0.13	0.539	O	|	|	|	|	4.08
46.500	0.00	0.13	0.538	O	|	|	|	|	4.08
46.583	0.00	0.13	0.537	O	|	|	|	|	4.07
46.667	0.00	0.13	0.536	O	|	|	|	|	4.07
46.750	0.00	0.13	0.535	O	|	|	|	|	4.07
46.833	0.00	0.13	0.534	O	|	|	|	|	4.07
46.917	0.00	0.13	0.534	O	|	|	|	|	4.06
47.000	0.00	0.13	0.533	O	|	|	|	|	4.06
47.083	0.00	0.13	0.532	O	|	|	|	|	4.06
47.167	0.00	0.13	0.531	O	|	|	|	|	4.06
47.250	0.00	0.13	0.530	O	|	|	|	|	4.05
47.333	0.00	0.13	0.529	O	|	|	|	|	4.05
47.417	0.00	0.13	0.528	O	|	|	|	|	4.05
47.500	0.00	0.13	0.527	O	|	|	|	|	4.05
47.583	0.00	0.13	0.526	O	|	|	|	|	4.04
47.667	0.00	0.13	0.526	O	|	|	|	|	4.04
47.750	0.00	0.13	0.525	O	|	|	|	|	4.04
47.833	0.00	0.13	0.524	O	|	|	|	|	4.04
47.917	0.00	0.13	0.523	O	|	|	|	|	4.04
48.000	0.00	0.13	0.522	O	|	|	|	|	4.03
48.083	0.00	0.13	0.521	O	|	|	|	|	4.03
48.167	0.00	0.13	0.520	O	|	|	|	|	4.03
48.250	0.00	0.13	0.519	O	|	|	|	|	4.03
48.333	0.00	0.13	0.518	O	|	|	|	|	4.02
48.417	0.00	0.13	0.517	O	|	|	|	|	4.02
48.500	0.00	0.13	0.517	O	|	|	|	|	4.02
48.583	0.00	0.13	0.516	O	|	|	|	|	4.02
48.667	0.00	0.13	0.515	O	|	|	|	|	4.01
48.750	0.00	0.13	0.514	O	|	|	|	|	4.01
48.833	0.00	0.13	0.513	O	|	|	|	|	4.01
48.917	0.00	0.13	0.512	O	|	|	|	|	4.01
49.000	0.00	0.13	0.511	O	|	|	|	|	4.00
49.083	0.00	0.13	0.510	O	|	|	|	|	4.00
49.167	0.00	0.13	0.509	O	|	|	|	|	4.00
49.250	0.00	0.13	0.509	O	|	|	|	|	4.00
49.333	0.00	0.13	0.508	O	|	|	|	|	3.99
49.417	0.00	0.13	0.507	O	|	|	|	|	3.99
49.500	0.00	0.13	0.506	O	|	|	|	|	3.99
49.583	0.00	0.13	0.505	O	|	|	|	|	3.98
49.667	0.00	0.13	0.504	O	|	|	|	|	3.98
49.750	0.00	0.13	0.503	O	|	|	|	|	3.98
49.833	0.00	0.13	0.502	O	|	|	|	|	3.97
49.917	0.00	0.13	0.501	O	|	|	|	|	3.97
50.000	0.00	0.13	0.500	O	|	|	|	|	3.97
50.083	0.00	0.13	0.500	O	|	|	|	|	3.97
50.167	0.00	0.13	0.499	O	|	|	|	|	3.96
50.250	0.00	0.13	0.498	O	|	|	|	|	3.96
50.333	0.00	0.13	0.497	O	|	|	|	|	3.96

50.417	0.00	0.13	0.496	O	|	|	|	|	3.95
50.500	0.00	0.13	0.495	O	|	|	|	|	3.95
50.583	0.00	0.13	0.494	O	|	|	|	|	3.95
50.667	0.00	0.13	0.493	O	|	|	|	|	3.94
50.750	0.00	0.13	0.492	O	|	|	|	|	3.94
50.833	0.00	0.13	0.492	O	|	|	|	|	3.94
50.917	0.00	0.13	0.491	O	|	|	|	|	3.94
51.000	0.00	0.13	0.490	O	|	|	|	|	3.93
51.083	0.00	0.13	0.489	O	|	|	|	|	3.93
51.167	0.00	0.13	0.488	O	|	|	|	|	3.93
51.250	0.00	0.13	0.487	O	|	|	|	|	3.92
51.333	0.00	0.13	0.486	O	|	|	|	|	3.92
51.417	0.00	0.13	0.485	O	|	|	|	|	3.92
51.500	0.00	0.13	0.484	O	|	|	|	|	3.91
51.583	0.00	0.13	0.483	O	|	|	|	|	3.91
51.667	0.00	0.13	0.483	O	|	|	|	|	3.91
51.750	0.00	0.13	0.482	O	|	|	|	|	3.91
51.833	0.00	0.13	0.481	O	|	|	|	|	3.90
51.917	0.00	0.13	0.480	O	|	|	|	|	3.90
52.000	0.00	0.13	0.479	O	|	|	|	|	3.90
52.083	0.00	0.13	0.478	O	|	|	|	|	3.89
52.167	0.00	0.13	0.477	O	|	|	|	|	3.89
52.250	0.00	0.13	0.476	O	|	|	|	|	3.89
52.333	0.00	0.13	0.475	O	|	|	|	|	3.88
52.417	0.00	0.13	0.475	O	|	|	|	|	3.88
52.500	0.00	0.13	0.474	O	|	|	|	|	3.88
52.583	0.00	0.13	0.473	O	|	|	|	|	3.88
52.667	0.00	0.13	0.472	O	|	|	|	|	3.87
52.750	0.00	0.13	0.471	O	|	|	|	|	3.87
52.833	0.00	0.13	0.470	O	|	|	|	|	3.87
52.917	0.00	0.13	0.469	O	|	|	|	|	3.86
53.000	0.00	0.13	0.468	O	|	|	|	|	3.86
53.083	0.00	0.13	0.467	O	|	|	|	|	3.86
53.167	0.00	0.13	0.466	O	|	|	|	|	3.85
53.250	0.00	0.13	0.466	O	|	|	|	|	3.85
53.333	0.00	0.13	0.465	O	|	|	|	|	3.85
53.417	0.00	0.13	0.464	O	|	|	|	|	3.85
53.500	0.00	0.13	0.463	O	|	|	|	|	3.84
53.583	0.00	0.13	0.462	O	|	|	|	|	3.84
53.667	0.00	0.13	0.461	O	|	|	|	|	3.84
53.750	0.00	0.13	0.460	O	|	|	|	|	3.83
53.833	0.00	0.13	0.459	O	|	|	|	|	3.83
53.917	0.00	0.13	0.458	O	|	|	|	|	3.83
54.000	0.00	0.13	0.457	O	|	|	|	|	3.82
54.083	0.00	0.13	0.457	O	|	|	|	|	3.82
54.167	0.00	0.13	0.456	O	|	|	|	|	3.82
54.250	0.00	0.13	0.455	O	|	|	|	|	3.82
54.333	0.00	0.13	0.454	O	|	|	|	|	3.81
54.417	0.00	0.13	0.453	O	|	|	|	|	3.81
54.500	0.00	0.13	0.452	O	|	|	|	|	3.81
54.583	0.00	0.13	0.451	O	|	|	|	|	3.80
54.667	0.00	0.13	0.450	O	|	|	|	|	3.80
54.750	0.00	0.13	0.449	O	|	|	|	|	3.80
54.833	0.00	0.13	0.449	O	|	|	|	|	3.80
54.917	0.00	0.13	0.448	O	|	|	|	|	3.79
55.000	0.00	0.13	0.447	O	|	|	|	|	3.79
55.083	0.00	0.13	0.446	O	|	|	|	|	3.79
55.167	0.00	0.13	0.445	O	|	|	|	|	3.78
55.250	0.00	0.13	0.444	O	|	|	|	|	3.78
55.333	0.00	0.13	0.443	O	|	|	|	|	3.78
55.417	0.00	0.13	0.442	O	|	|	|	|	3.77
55.500	0.00	0.13	0.441	O	|	|	|	|	3.77
55.583	0.00	0.13	0.440	O	|	|	|	|	3.77
55.667	0.00	0.13	0.440	O	|	|	|	|	3.77
55.750	0.00	0.13	0.439	O	|	|	|	|	3.76
55.833	0.00	0.13	0.438	O	|	|	|	|	3.76
55.917	0.00	0.13	0.437	O	|	|	|	|	3.76
56.000	0.00	0.13	0.436	O	|	|	|	|	3.75

56.083	0.00	0.13	0.435	O	|	|	|	|	3.75
56.167	0.00	0.13	0.434	O	|	|	|	|	3.75
56.250	0.00	0.13	0.433	O	|	|	|	|	3.74
56.333	0.00	0.13	0.432	O	|	|	|	|	3.74
56.417	0.00	0.13	0.432	O	|	|	|	|	3.74
56.500	0.00	0.13	0.431	O	|	|	|	|	3.74
56.583	0.00	0.13	0.430	O	|	|	|	|	3.73
56.667	0.00	0.13	0.429	O	|	|	|	|	3.73
56.750	0.00	0.13	0.428	O	|	|	|	|	3.73
56.833	0.00	0.13	0.427	O	|	|	|	|	3.72
56.917	0.00	0.13	0.426	O	|	|	|	|	3.72
57.000	0.00	0.13	0.425	O	|	|	|	|	3.72
57.083	0.00	0.13	0.424	O	|	|	|	|	3.71
57.167	0.00	0.13	0.423	O	|	|	|	|	3.71
57.250	0.00	0.13	0.423	O	|	|	|	|	3.71
57.333	0.00	0.13	0.422	O	|	|	|	|	3.71
57.417	0.00	0.13	0.421	O	|	|	|	|	3.70
57.500	0.00	0.13	0.420	O	|	|	|	|	3.70
57.583	0.00	0.13	0.419	O	|	|	|	|	3.70
57.667	0.00	0.13	0.418	O	|	|	|	|	3.69
57.750	0.00	0.13	0.417	O	|	|	|	|	3.69
57.833	0.00	0.13	0.416	O	|	|	|	|	3.69
57.917	0.00	0.13	0.415	O	|	|	|	|	3.68
58.000	0.00	0.13	0.415	O	|	|	|	|	3.68
58.083	0.00	0.13	0.414	O	|	|	|	|	3.67
58.167	0.00	0.13	0.413	O	|	|	|	|	3.67
58.250	0.00	0.13	0.412	O	|	|	|	|	3.67
58.333	0.00	0.13	0.411	O	|	|	|	|	3.66
58.417	0.00	0.13	0.410	O	|	|	|	|	3.66
58.500	0.00	0.13	0.409	O	|	|	|	|	3.66
58.583	0.00	0.13	0.408	O	|	|	|	|	3.65
58.667	0.00	0.13	0.407	O	|	|	|	|	3.65
58.750	0.00	0.13	0.406	O	|	|	|	|	3.65
58.833	0.00	0.13	0.406	O	|	|	|	|	3.64
58.917	0.00	0.13	0.405	O	|	|	|	|	3.64
59.000	0.00	0.13	0.404	O	|	|	|	|	3.64
59.083	0.00	0.13	0.403	O	|	|	|	|	3.63
59.167	0.00	0.13	0.402	O	|	|	|	|	3.63
59.250	0.00	0.13	0.401	O	|	|	|	|	3.62
59.333	0.00	0.13	0.400	O	|	|	|	|	3.62
59.417	0.00	0.13	0.399	O	|	|	|	|	3.62
59.500	0.00	0.13	0.398	O	|	|	|	|	3.61
59.583	0.00	0.13	0.398	O	|	|	|	|	3.61
59.667	0.00	0.13	0.397	O	|	|	|	|	3.61
59.750	0.00	0.13	0.396	O	|	|	|	|	3.60
59.833	0.00	0.13	0.395	O	|	|	|	|	3.60
59.917	0.00	0.13	0.394	O	|	|	|	|	3.60
60.000	0.00	0.13	0.393	O	|	|	|	|	3.59
60.083	0.00	0.13	0.392	O	|	|	|	|	3.59
60.167	0.00	0.13	0.391	O	|	|	|	|	3.58
60.250	0.00	0.13	0.390	O	|	|	|	|	3.58
60.333	0.00	0.13	0.389	O	|	|	|	|	3.58
60.417	0.00	0.13	0.389	O	|	|	|	|	3.57
60.500	0.00	0.13	0.388	O	|	|	|	|	3.57
60.583	0.00	0.13	0.387	O	|	|	|	|	3.57
60.667	0.00	0.13	0.386	O	|	|	|	|	3.56
60.750	0.00	0.13	0.385	O	|	|	|	|	3.56
60.833	0.00	0.13	0.384	O	|	|	|	|	3.56
60.917	0.00	0.13	0.383	O	|	|	|	|	3.55
61.000	0.00	0.13	0.382	O	|	|	|	|	3.55
61.083	0.00	0.13	0.381	O	|	|	|	|	3.55
61.167	0.00	0.13	0.380	O	|	|	|	|	3.54
61.250	0.00	0.13	0.380	O	|	|	|	|	3.54
61.333	0.00	0.13	0.379	O	|	|	|	|	3.53
61.417	0.00	0.13	0.378	O	|	|	|	|	3.53
61.500	0.00	0.13	0.377	O	|	|	|	|	3.53
61.583	0.00	0.13	0.376	O	|	|	|	|	3.52
61.667	0.00	0.13	0.375	O	|	|	|	|	3.52

61.750	0.00	0.13	0.374	O	|	|	|	|	3.52
61.833	0.00	0.13	0.373	O	|	|	|	|	3.51
61.917	0.00	0.13	0.372	O	|	|	|	|	3.51
62.000	0.00	0.13	0.372	O	|	|	|	|	3.51
62.083	0.00	0.13	0.371	O	|	|	|	|	3.50
62.167	0.00	0.13	0.370	O	|	|	|	|	3.50
62.250	0.00	0.13	0.369	O	|	|	|	|	3.50
62.333	0.00	0.13	0.368	O	|	|	|	|	3.49
62.417	0.00	0.13	0.367	O	|	|	|	|	3.49
62.500	0.00	0.13	0.366	O	|	|	|	|	3.48
62.583	0.00	0.13	0.365	O	|	|	|	|	3.48
62.667	0.00	0.13	0.364	O	|	|	|	|	3.48
62.750	0.00	0.13	0.363	O	|	|	|	|	3.47
62.833	0.00	0.13	0.363	O	|	|	|	|	3.47
62.917	0.00	0.13	0.362	O	|	|	|	|	3.47
63.000	0.00	0.13	0.361	O	|	|	|	|	3.46
63.083	0.00	0.13	0.360	O	|	|	|	|	3.46
63.167	0.00	0.13	0.359	O	|	|	|	|	3.46
63.250	0.00	0.13	0.358	O	|	|	|	|	3.45
63.333	0.00	0.13	0.357	O	|	|	|	|	3.45
63.417	0.00	0.13	0.356	O	|	|	|	|	3.45
63.500	0.00	0.13	0.355	O	|	|	|	|	3.44
63.583	0.00	0.13	0.355	O	|	|	|	|	3.44
63.667	0.00	0.13	0.354	O	|	|	|	|	3.43
63.750	0.00	0.13	0.353	O	|	|	|	|	3.43
63.833	0.00	0.13	0.352	O	|	|	|	|	3.43
63.917	0.00	0.13	0.351	O	|	|	|	|	3.42
64.000	0.00	0.13	0.350	O	|	|	|	|	3.42
64.083	0.00	0.13	0.349	O	|	|	|	|	3.42
64.167	0.00	0.13	0.348	O	|	|	|	|	3.41
64.250	0.00	0.13	0.347	O	|	|	|	|	3.41
64.333	0.00	0.13	0.346	O	|	|	|	|	3.41
64.417	0.00	0.13	0.346	O	|	|	|	|	3.40
64.500	0.00	0.13	0.345	O	|	|	|	|	3.40
64.583	0.00	0.13	0.344	O	|	|	|	|	3.40
64.667	0.00	0.13	0.343	O	|	|	|	|	3.39
64.750	0.00	0.13	0.342	O	|	|	|	|	3.39
64.833	0.00	0.13	0.341	O	|	|	|	|	3.38
64.917	0.00	0.13	0.340	O	|	|	|	|	3.38
65.000	0.00	0.13	0.339	O	|	|	|	|	3.38
65.083	0.00	0.13	0.338	O	|	|	|	|	3.37
65.167	0.00	0.13	0.338	O	|	|	|	|	3.37
65.250	0.00	0.13	0.337	O	|	|	|	|	3.37
65.333	0.00	0.13	0.336	O	|	|	|	|	3.36
65.417	0.00	0.13	0.335	O	|	|	|	|	3.36
65.500	0.00	0.13	0.334	O	|	|	|	|	3.36
65.583	0.00	0.13	0.333	O	|	|	|	|	3.35
65.667	0.00	0.13	0.332	O	|	|	|	|	3.35
65.750	0.00	0.13	0.331	O	|	|	|	|	3.35
65.833	0.00	0.13	0.330	O	|	|	|	|	3.34
65.917	0.00	0.13	0.329	O	|	|	|	|	3.34
66.000	0.00	0.13	0.329	O	|	|	|	|	3.33
66.083	0.00	0.13	0.328	O	|	|	|	|	3.33
66.167	0.00	0.13	0.327	O	|	|	|	|	3.33
66.250	0.00	0.13	0.326	O	|	|	|	|	3.32
66.333	0.00	0.13	0.325	O	|	|	|	|	3.32
66.417	0.00	0.13	0.324	O	|	|	|	|	3.32
66.500	0.00	0.13	0.323	O	|	|	|	|	3.31
66.583	0.00	0.13	0.322	O	|	|	|	|	3.31
66.667	0.00	0.13	0.321	O	|	|	|	|	3.31
66.750	0.00	0.13	0.321	O	|	|	|	|	3.30
66.833	0.00	0.13	0.320	O	|	|	|	|	3.30
66.917	0.00	0.13	0.319	O	|	|	|	|	3.30
67.000	0.00	0.13	0.318	O	|	|	|	|	3.29
67.083	0.00	0.13	0.317	O	|	|	|	|	3.29
67.167	0.00	0.13	0.316	O	|	|	|	|	3.29
67.250	0.00	0.13	0.315	O	|	|	|	|	3.28
67.333	0.00	0.13	0.314	O	|	|	|	|	3.28

67.417	0.00	0.13	0.313	O	|	|	|	|	3.28
67.500	0.00	0.13	0.312	O	|	|	|	|	3.27
67.583	0.00	0.13	0.312	O	|	|	|	|	3.27
67.667	0.00	0.13	0.311	O	|	|	|	|	3.27
67.750	0.00	0.13	0.310	O	|	|	|	|	3.27
67.833	0.00	0.13	0.309	O	|	|	|	|	3.26
67.917	0.00	0.13	0.308	O	|	|	|	|	3.26
68.000	0.00	0.13	0.307	O	|	|	|	|	3.26
68.083	0.00	0.13	0.306	O	|	|	|	|	3.25
68.167	0.00	0.13	0.305	O	|	|	|	|	3.25
68.250	0.00	0.13	0.304	O	|	|	|	|	3.25
68.333	0.00	0.13	0.303	O	|	|	|	|	3.24
68.417	0.00	0.13	0.303	O	|	|	|	|	3.24
68.500	0.00	0.13	0.302	O	|	|	|	|	3.24
68.583	0.00	0.13	0.301	O	|	|	|	|	3.24
68.667	0.00	0.13	0.300	O	|	|	|	|	3.23
68.750	0.00	0.13	0.299	O	|	|	|	|	3.23
68.833	0.00	0.13	0.298	O	|	|	|	|	3.23
68.917	0.00	0.13	0.297	O	|	|	|	|	3.22
69.000	0.00	0.13	0.296	O	|	|	|	|	3.22
69.083	0.00	0.13	0.295	O	|	|	|	|	3.22
69.167	0.00	0.13	0.295	O	|	|	|	|	3.22
69.250	0.00	0.13	0.294	O	|	|	|	|	3.21
69.333	0.00	0.13	0.293	O	|	|	|	|	3.21
69.417	0.00	0.13	0.292	O	|	|	|	|	3.21
69.500	0.00	0.13	0.291	O	|	|	|	|	3.20
69.583	0.00	0.13	0.290	O	|	|	|	|	3.20
69.667	0.00	0.13	0.289	O	|	|	|	|	3.20
69.750	0.00	0.13	0.288	O	|	|	|	|	3.19
69.833	0.00	0.13	0.287	O	|	|	|	|	3.19
69.917	0.00	0.13	0.286	O	|	|	|	|	3.19
70.000	0.00	0.13	0.286	O	|	|	|	|	3.19
70.083	0.00	0.13	0.285	O	|	|	|	|	3.18
70.167	0.00	0.13	0.284	O	|	|	|	|	3.18
70.250	0.00	0.13	0.283	O	|	|	|	|	3.18
70.333	0.00	0.13	0.282	O	|	|	|	|	3.17
70.417	0.00	0.13	0.281	O	|	|	|	|	3.17
70.500	0.00	0.13	0.280	O	|	|	|	|	3.17
70.583	0.00	0.13	0.279	O	|	|	|	|	3.16
70.667	0.00	0.13	0.278	O	|	|	|	|	3.16
70.750	0.00	0.13	0.278	O	|	|	|	|	3.16
70.833	0.00	0.13	0.277	O	|	|	|	|	3.16
70.917	0.00	0.13	0.276	O	|	|	|	|	3.15
71.000	0.00	0.13	0.275	O	|	|	|	|	3.15
71.083	0.00	0.13	0.274	O	|	|	|	|	3.15
71.167	0.00	0.13	0.273	O	|	|	|	|	3.14
71.250	0.00	0.13	0.272	O	|	|	|	|	3.14
71.333	0.00	0.13	0.271	O	|	|	|	|	3.14
71.417	0.00	0.13	0.270	O	|	|	|	|	3.13
71.500	0.00	0.13	0.269	O	|	|	|	|	3.13
71.583	0.00	0.13	0.269	O	|	|	|	|	3.13
71.667	0.00	0.13	0.268	O	|	|	|	|	3.13
71.750	0.00	0.13	0.267	O	|	|	|	|	3.12
71.833	0.00	0.13	0.266	O	|	|	|	|	3.12
71.917	0.00	0.13	0.265	O	|	|	|	|	3.12
72.000	0.00	0.13	0.264	O	|	|	|	|	3.11
72.083	0.00	0.13	0.263	O	|	|	|	|	3.11
72.167	0.00	0.13	0.262	O	|	|	|	|	3.11
72.250	0.00	0.13	0.261	O	|	|	|	|	3.10
72.333	0.00	0.13	0.261	O	|	|	|	|	3.10
72.417	0.00	0.13	0.260	O	|	|	|	|	3.10
72.500	0.00	0.13	0.259	O	|	|	|	|	3.10
72.583	0.00	0.13	0.258	O	|	|	|	|	3.09
72.667	0.00	0.13	0.257	O	|	|	|	|	3.09
72.750	0.00	0.13	0.256	O	|	|	|	|	3.09
72.833	0.00	0.13	0.255	O	|	|	|	|	3.08
72.917	0.00	0.13	0.254	O	|	|	|	|	3.08
73.000	0.00	0.13	0.253	O	|	|	|	|	3.08

73.083	0.00	0.13	0.252	O	|	|	|	|	3.07
73.167	0.00	0.13	0.252	O	|	|	|	|	3.07
73.250	0.00	0.13	0.251	O	|	|	|	|	3.07
73.333	0.00	0.13	0.250	O	|	|	|	|	3.07
73.417	0.00	0.13	0.249	O	|	|	|	|	3.06
73.500	0.00	0.13	0.248	O	|	|	|	|	3.06
73.583	0.00	0.13	0.247	O	|	|	|	|	3.06
73.667	0.00	0.13	0.246	O	|	|	|	|	3.05
73.750	0.00	0.13	0.245	O	|	|	|	|	3.05
73.833	0.00	0.13	0.244	O	|	|	|	|	3.05
73.917	0.00	0.13	0.244	O	|	|	|	|	3.05
74.000	0.00	0.13	0.243	O	|	|	|	|	3.04
74.083	0.00	0.13	0.242	O	|	|	|	|	3.04
74.167	0.00	0.13	0.241	O	|	|	|	|	3.04
74.250	0.00	0.13	0.240	O	|	|	|	|	3.03
74.333	0.00	0.13	0.239	O	|	|	|	|	3.03
74.417	0.00	0.13	0.238	O	|	|	|	|	3.03
74.500	0.00	0.13	0.237	O	|	|	|	|	3.02
74.583	0.00	0.13	0.236	O	|	|	|	|	3.02
74.667	0.00	0.13	0.235	O	|	|	|	|	3.02
74.750	0.00	0.13	0.235	O	|	|	|	|	3.02
74.833	0.00	0.13	0.234	O	|	|	|	|	3.01
74.917	0.00	0.13	0.233	O	|	|	|	|	3.01
75.000	0.00	0.13	0.232	O	|	|	|	|	3.01
75.083	0.00	0.13	0.231	O	|	|	|	|	3.00
75.167	0.00	0.13	0.230	O	|	|	|	|	3.00
75.250	0.00	0.13	0.229	O	|	|	|	|	2.99
75.333	0.00	0.13	0.228	O	|	|	|	|	2.98
75.417	0.00	0.13	0.227	O	|	|	|	|	2.97
75.500	0.00	0.13	0.227	O	|	|	|	|	2.97
75.583	0.00	0.13	0.226	O	|	|	|	|	2.96
75.667	0.00	0.13	0.225	O	|	|	|	|	2.95
75.750	0.00	0.13	0.224	O	|	|	|	|	2.94
75.833	0.00	0.13	0.223	O	|	|	|	|	2.93
75.917	0.00	0.13	0.222	O	|	|	|	|	2.92
76.000	0.00	0.13	0.221	O	|	|	|	|	2.91
76.083	0.00	0.13	0.220	O	|	|	|	|	2.90
76.167	0.00	0.13	0.219	O	|	|	|	|	2.89
76.250	0.00	0.13	0.218	O	|	|	|	|	2.88
76.333	0.00	0.13	0.218	O	|	|	|	|	2.88
76.417	0.00	0.13	0.217	O	|	|	|	|	2.87
76.500	0.00	0.13	0.216	O	|	|	|	|	2.86
76.583	0.00	0.13	0.215	O	|	|	|	|	2.85
76.667	0.00	0.13	0.214	O	|	|	|	|	2.84
76.750	0.00	0.13	0.213	O	|	|	|	|	2.83
76.833	0.00	0.13	0.212	O	|	|	|	|	2.82
76.917	0.00	0.13	0.211	O	|	|	|	|	2.81
77.000	0.00	0.13	0.210	O	|	|	|	|	2.80
77.083	0.00	0.13	0.209	O	|	|	|	|	2.79
77.167	0.00	0.13	0.209	O	|	|	|	|	2.79
77.250	0.00	0.13	0.208	O	|	|	|	|	2.78
77.333	0.00	0.13	0.207	O	|	|	|	|	2.77
77.417	0.00	0.13	0.206	O	|	|	|	|	2.76
77.500	0.00	0.13	0.205	O	|	|	|	|	2.75
77.583	0.00	0.13	0.204	O	|	|	|	|	2.74
77.667	0.00	0.13	0.203	O	|	|	|	|	2.73
77.750	0.00	0.13	0.202	O	|	|	|	|	2.72
77.833	0.00	0.13	0.201	O	|	|	|	|	2.71
77.917	0.00	0.13	0.201	O	|	|	|	|	2.71
78.000	0.00	0.13	0.200	O	|	|	|	|	2.69
78.083	0.00	0.13	0.199	O	|	|	|	|	2.67
78.167	0.00	0.13	0.198	O	|	|	|	|	2.66
78.250	0.00	0.13	0.197	O	|	|	|	|	2.64
78.333	0.00	0.13	0.196	O	|	|	|	|	2.62
78.417	0.00	0.13	0.195	O	|	|	|	|	2.60
78.500	0.00	0.13	0.194	O	|	|	|	|	2.59
78.583	0.00	0.13	0.193	O	|	|	|	|	2.57
78.667	0.00	0.13	0.192	O	|	|	|	|	2.55

78.750	0.00	0.13	0.192	O	|	|	|	|	2.53
78.833	0.00	0.13	0.191	O	|	|	|	|	2.51
78.917	0.00	0.13	0.190	O	|	|	|	|	2.50
79.000	0.00	0.13	0.189	O	|	|	|	|	2.48
79.083	0.00	0.13	0.188	O	|	|	|	|	2.46
79.167	0.00	0.13	0.187	O	|	|	|	|	2.44
79.250	0.00	0.13	0.186	O	|	|	|	|	2.42
79.333	0.00	0.13	0.185	O	|	|	|	|	2.41
79.417	0.00	0.13	0.184	O	|	|	|	|	2.39
79.500	0.00	0.13	0.184	O	|	|	|	|	2.37
79.583	0.00	0.13	0.183	O	|	|	|	|	2.35
79.667	0.00	0.13	0.182	O	|	|	|	|	2.33
79.750	0.00	0.13	0.181	O	|	|	|	|	2.32
79.833	0.00	0.13	0.180	O	|	|	|	|	2.30
79.917	0.00	0.13	0.179	O	|	|	|	|	2.29
80.000	0.00	0.13	0.178	O	|	|	|	|	2.28
80.083	0.00	0.13	0.177	O	|	|	|	|	2.27
80.167	0.00	0.13	0.176	O	|	|	|	|	2.26
80.250	0.00	0.13	0.175	O	|	|	|	|	2.25
80.333	0.00	0.13	0.175	O	|	|	|	|	2.25
80.417	0.00	0.13	0.174	O	|	|	|	|	2.24
80.500	0.00	0.13	0.173	O	|	|	|	|	2.23
80.583	0.00	0.13	0.172	O	|	|	|	|	2.22
80.667	0.00	0.13	0.171	O	|	|	|	|	2.21
80.750	0.00	0.13	0.170	O	|	|	|	|	2.20
80.833	0.00	0.13	0.169	O	|	|	|	|	2.19
80.917	0.00	0.13	0.168	O	|	|	|	|	2.18
81.000	0.00	0.13	0.167	O	|	|	|	|	2.17
81.083	0.00	0.13	0.167	O	|	|	|	|	2.17
81.167	0.00	0.13	0.166	O	|	|	|	|	2.16
81.250	0.00	0.13	0.165	O	|	|	|	|	2.15
81.333	0.00	0.13	0.164	O	|	|	|	|	2.14
81.417	0.00	0.13	0.163	O	|	|	|	|	2.13
81.500	0.00	0.13	0.162	O	|	|	|	|	2.12
81.583	0.00	0.13	0.161	O	|	|	|	|	2.11
81.667	0.00	0.13	0.160	O	|	|	|	|	2.10
81.750	0.00	0.13	0.159	O	|	|	|	|	2.09
81.833	0.00	0.13	0.158	O	|	|	|	|	2.08
81.917	0.00	0.13	0.158	O	|	|	|	|	2.08
82.000	0.00	0.13	0.157	O	|	|	|	|	2.07
82.083	0.00	0.13	0.156	O	|	|	|	|	2.06
82.167	0.00	0.13	0.155	O	|	|	|	|	2.05
82.250	0.00	0.13	0.154	O	|	|	|	|	2.04
82.333	0.00	0.13	0.153	O	|	|	|	|	2.03
82.417	0.00	0.13	0.152	O	|	|	|	|	2.02
82.500	0.00	0.13	0.151	O	|	|	|	|	2.01
82.583	0.00	0.13	0.150	O	|	|	|	|	2.00
82.667	0.00	0.13	0.150	O	|	|	|	|	1.99
82.750	0.00	0.13	0.149	O	|	|	|	|	1.98
82.833	0.00	0.13	0.148	O	|	|	|	|	1.97
82.917	0.00	0.13	0.147	O	|	|	|	|	1.95
83.000	0.00	0.13	0.146	O	|	|	|	|	1.94
83.083	0.00	0.13	0.145	O	|	|	|	|	1.93
83.167	0.00	0.13	0.144	O	|	|	|	|	1.91
83.250	0.00	0.13	0.143	O	|	|	|	|	1.90
83.333	0.00	0.13	0.142	O	|	|	|	|	1.89
83.417	0.00	0.13	0.141	O	|	|	|	|	1.87
83.500	0.00	0.13	0.141	O	|	|	|	|	1.86
83.583	0.00	0.13	0.140	O	|	|	|	|	1.84
83.667	0.00	0.13	0.139	O	|	|	|	|	1.83
83.750	0.00	0.13	0.138	O	|	|	|	|	1.82
83.833	0.00	0.13	0.137	O	|	|	|	|	1.80
83.917	0.00	0.13	0.136	O	|	|	|	|	1.79
84.000	0.00	0.13	0.135	O	|	|	|	|	1.78
84.083	0.00	0.13	0.134	O	|	|	|	|	1.76
84.167	0.00	0.13	0.133	O	|	|	|	|	1.75
84.250	0.00	0.13	0.132	O	|	|	|	|	1.74
84.333	0.00	0.13	0.132	O	|	|	|	|	1.72

84.417	0.00	0.13	0.131	O	|	|	|	|	1.71
84.500	0.00	0.13	0.130	O	|	|	|	|	1.70
84.583	0.00	0.13	0.129	O	|	|	|	|	1.69
84.667	0.00	0.13	0.128	O	|	|	|	|	1.67
84.750	0.00	0.13	0.127	O	|	|	|	|	1.66
84.833	0.00	0.13	0.126	O	|	|	|	|	1.65
84.917	0.00	0.13	0.125	O	|	|	|	|	1.64
85.000	0.00	0.13	0.124	O	|	|	|	|	1.63
85.083	0.00	0.13	0.124	O	|	|	|	|	1.61
85.167	0.00	0.13	0.123	O	|	|	|	|	1.60
85.250	0.00	0.13	0.122	O	|	|	|	|	1.59
85.333	0.00	0.13	0.121	O	|	|	|	|	1.58
85.417	0.00	0.13	0.120	O	|	|	|	|	1.57
85.500	0.00	0.13	0.119	O	|	|	|	|	1.55
85.583	0.00	0.13	0.118	O	|	|	|	|	1.54
85.667	0.00	0.13	0.117	O	|	|	|	|	1.53
85.750	0.00	0.13	0.116	O	|	|	|	|	1.52
85.833	0.00	0.13	0.115	O	|	|	|	|	1.51
85.917	0.00	0.13	0.115	O	|	|	|	|	1.49
86.000	0.00	0.13	0.114	O	|	|	|	|	1.48
86.083	0.00	0.13	0.113	O	|	|	|	|	1.47
86.167	0.00	0.13	0.112	O	|	|	|	|	1.46
86.250	0.00	0.13	0.111	O	|	|	|	|	1.45
86.333	0.00	0.13	0.110	O	|	|	|	|	1.43
86.417	0.00	0.13	0.109	O	|	|	|	|	1.42
86.500	0.00	0.13	0.108	O	|	|	|	|	1.41
86.583	0.00	0.13	0.107	O	|	|	|	|	1.40
86.667	0.00	0.13	0.107	O	|	|	|	|	1.39
86.750	0.00	0.13	0.106	O	|	|	|	|	1.38
86.833	0.00	0.13	0.105	O	|	|	|	|	1.36
86.917	0.00	0.13	0.104	O	|	|	|	|	1.35
87.000	0.00	0.13	0.103	O	|	|	|	|	1.34
87.083	0.00	0.13	0.102	O	|	|	|	|	1.33
87.167	0.00	0.13	0.101	O	|	|	|	|	1.32
87.250	0.00	0.13	0.100	O	|	|	|	|	1.30
87.333	0.00	0.13	0.099	O	|	|	|	|	1.29
87.417	0.00	0.13	0.098	O	|	|	|	|	1.28
87.500	0.00	0.13	0.098	O	|	|	|	|	1.26
87.583	0.00	0.13	0.097	O	|	|	|	|	1.25
87.667	0.00	0.13	0.096	O	|	|	|	|	1.24
87.750	0.00	0.13	0.095	O	|	|	|	|	1.22
87.833	0.00	0.13	0.094	O	|	|	|	|	1.21
87.917	0.00	0.13	0.093	O	|	|	|	|	1.20
88.000	0.00	0.13	0.092	O	|	|	|	|	1.18
88.083	0.00	0.13	0.091	O	|	|	|	|	1.17
88.167	0.00	0.13	0.090	O	|	|	|	|	1.16
88.250	0.00	0.13	0.090	O	|	|	|	|	1.14
88.333	0.00	0.13	0.089	O	|	|	|	|	1.13
88.417	0.00	0.13	0.088	O	|	|	|	|	1.12
88.500	0.00	0.13	0.087	O	|	|	|	|	1.10
88.583	0.00	0.13	0.086	O	|	|	|	|	1.09
88.667	0.00	0.13	0.085	O	|	|	|	|	1.08
88.750	0.00	0.13	0.084	O	|	|	|	|	1.06
88.833	0.00	0.13	0.083	O	|	|	|	|	1.05
88.917	0.00	0.13	0.082	O	|	|	|	|	1.04
89.000	0.00	0.13	0.081	O	|	|	|	|	1.02
89.083	0.00	0.13	0.081	O	|	|	|	|	1.01
89.167	0.00	0.13	0.080	O	|	|	|	|	1.00
89.250	0.00	0.13	0.079	O	|	|	|	|	0.98
89.333	0.00	0.13	0.078	O	|	|	|	|	0.97
89.417	0.00	0.13	0.077	O	|	|	|	|	0.96
89.500	0.00	0.12	0.076	O	|	|	|	|	0.95
89.583	0.00	0.12	0.075	O	|	|	|	|	0.94
89.667	0.00	0.12	0.074	O	|	|	|	|	0.93
89.750	0.00	0.12	0.074	O	|	|	|	|	0.92
89.833	0.00	0.12	0.073	O	|	|	|	|	0.91
89.917	0.00	0.12	0.072	O	|	|	|	|	0.90
90.000	0.00	0.12	0.071	O	|	|	|	|	0.89

90.083	0.00	0.11	0.070	O	|	|	|	|	0.88
90.167	0.00	0.11	0.070	O	|	|	|	|	0.87
90.250	0.00	0.11	0.069	O	|	|	|	|	0.86
90.333	0.00	0.11	0.068	O	|	|	|	|	0.85
90.417	0.00	0.11	0.067	O	|	|	|	|	0.84
90.500	0.00	0.11	0.067	O	|	|	|	|	0.83
90.583	0.00	0.11	0.066	O	|	|	|	|	0.82
90.667	0.00	0.11	0.065	O	|	|	|	|	0.81
90.750	0.00	0.10	0.064	O	|	|	|	|	0.81
90.833	0.00	0.10	0.064	O	|	|	|	|	0.80
90.917	0.00	0.10	0.063	O	|	|	|	|	0.79
91.000	0.00	0.10	0.062	O	|	|	|	|	0.78
91.083	0.00	0.10	0.062	O	|	|	|	|	0.77
91.167	0.00	0.10	0.061	O	|	|	|	|	0.76
91.250	0.00	0.10	0.060	O	|	|	|	|	0.75
91.333	0.00	0.10	0.060	O	|	|	|	|	0.74
91.417	0.00	0.10	0.059	O	|	|	|	|	0.74
91.500	0.00	0.09	0.058	O	|	|	|	|	0.73
91.583	0.00	0.09	0.058	O	|	|	|	|	0.72
91.667	0.00	0.09	0.057	O	|	|	|	|	0.71
91.750	0.00	0.09	0.056	O	|	|	|	|	0.70
91.833	0.00	0.09	0.056	O	|	|	|	|	0.70
91.917	0.00	0.09	0.055	O	|	|	|	|	0.69
92.000	0.00	0.09	0.054	O	|	|	|	|	0.68
92.083	0.00	0.09	0.054	O	|	|	|	|	0.67
92.167	0.00	0.09	0.053	O	|	|	|	|	0.67
92.250	0.00	0.09	0.053	O	|	|	|	|	0.66
92.333	0.00	0.08	0.052	O	|	|	|	|	0.65
92.417	0.00	0.08	0.051	O	|	|	|	|	0.64
92.500	0.00	0.08	0.051	O	|	|	|	|	0.64
92.583	0.00	0.08	0.050	O	|	|	|	|	0.63
92.667	0.00	0.08	0.050	O	|	|	|	|	0.62
92.750	0.00	0.08	0.049	O	|	|	|	|	0.62
92.833	0.00	0.08	0.049	O	|	|	|	|	0.61
92.917	0.00	0.08	0.048	O	|	|	|	|	0.60
93.000	0.00	0.08	0.048	O	|	|	|	|	0.60
93.083	0.00	0.08	0.047	O	|	|	|	|	0.59
93.167	0.00	0.08	0.047	O	|	|	|	|	0.58
93.250	0.00	0.07	0.046	O	|	|	|	|	0.58
93.333	0.00	0.07	0.046	O	|	|	|	|	0.57
93.417	0.00	0.07	0.045	O	|	|	|	|	0.56
93.500	0.00	0.07	0.045	O	|	|	|	|	0.56
93.583	0.00	0.07	0.044	O	|	|	|	|	0.55
93.667	0.00	0.07	0.044	O	|	|	|	|	0.54
93.750	0.00	0.07	0.043	O	|	|	|	|	0.54
93.833	0.00	0.07	0.043	O	|	|	|	|	0.53
93.917	0.00	0.07	0.042	O	|	|	|	|	0.53
94.000	0.00	0.07	0.042	O	|	|	|	|	0.52
94.083	0.00	0.07	0.041	O	|	|	|	|	0.51
94.167	0.00	0.07	0.041	O	|	|	|	|	0.51
94.250	0.00	0.07	0.040	O	|	|	|	|	0.50
94.333	0.00	0.06	0.040	O	|	|	|	|	0.50
94.417	0.00	0.06	0.039	O	|	|	|	|	0.49
94.500	0.00	0.06	0.039	O	|	|	|	|	0.49
94.583	0.00	0.06	0.038	O	|	|	|	|	0.48
94.667	0.00	0.06	0.038	O	|	|	|	|	0.48
94.750	0.00	0.06	0.038	O	|	|	|	|	0.47
94.833	0.00	0.06	0.037	O	|	|	|	|	0.47
94.917	0.00	0.06	0.037	O	|	|	|	|	0.46
95.000	0.00	0.06	0.036	O	|	|	|	|	0.45
95.083	0.00	0.06	0.036	O	|	|	|	|	0.45
95.167	0.00	0.06	0.036	O	|	|	|	|	0.44
95.250	0.00	0.06	0.035	O	|	|	|	|	0.44
95.333	0.00	0.06	0.035	O	|	|	|	|	0.44
95.417	0.00	0.06	0.034	O	|	|	|	|	0.43
95.500	0.00	0.06	0.034	O	|	|	|	|	0.43
95.583	0.00	0.05	0.034	O	|	|	|	|	0.42
95.667	0.00	0.05	0.033	O	|	|	|	|	0.42

95.750	0.00	0.05	0.033	O	|	|	|	|	0.41
95.833	0.00	0.05	0.033	O	|	|	|	|	0.41
95.917	0.00	0.05	0.032	O	|	|	|	|	0.40
96.000	0.00	0.05	0.032	O	|	|	|	|	0.40
96.083	0.00	0.05	0.031	O	|	|	|	|	0.39
96.167	0.00	0.05	0.031	O	|	|	|	|	0.39
96.250	0.00	0.05	0.031	O	|	|	|	|	0.38
96.333	0.00	0.05	0.030	O	|	|	|	|	0.38
96.417	0.00	0.05	0.030	O	|	|	|	|	0.38
96.500	0.00	0.05	0.030	O	|	|	|	|	0.37
96.583	0.00	0.05	0.029	O	|	|	|	|	0.37
96.667	0.00	0.05	0.029	O	|	|	|	|	0.36
96.750	0.00	0.05	0.029	O	|	|	|	|	0.36
96.833	0.00	0.05	0.028	O	|	|	|	|	0.36
96.917	0.00	0.05	0.028	O	|	|	|	|	0.35
97.000	0.00	0.05	0.028	O	|	|	|	|	0.35
97.083	0.00	0.04	0.028	O	|	|	|	|	0.34
97.167	0.00	0.04	0.027	O	|	|	|	|	0.34
97.250	0.00	0.04	0.027	O	|	|	|	|	0.34
97.333	0.00	0.04	0.027	O	|	|	|	|	0.33
97.417	0.00	0.04	0.026	O	|	|	|	|	0.33
97.500	0.00	0.04	0.026	O	|	|	|	|	0.33
97.583	0.00	0.04	0.026	O	|	|	|	|	0.32
97.667	0.00	0.04	0.025	O	|	|	|	|	0.32
97.750	0.00	0.04	0.025	O	|	|	|	|	0.31
97.833	0.00	0.04	0.025	O	|	|	|	|	0.31
97.917	0.00	0.04	0.025	O	|	|	|	|	0.31
98.000	0.00	0.04	0.024	O	|	|	|	|	0.30
98.083	0.00	0.04	0.024	O	|	|	|	|	0.30
98.167	0.00	0.04	0.024	O	|	|	|	|	0.30
98.250	0.00	0.04	0.024	O	|	|	|	|	0.29
98.333	0.00	0.04	0.023	O	|	|	|	|	0.29
98.417	0.00	0.04	0.023	O	|	|	|	|	0.29
98.500	0.00	0.04	0.023	O	|	|	|	|	0.28
98.583	0.00	0.04	0.022	O	|	|	|	|	0.28
98.667	0.00	0.04	0.022	O	|	|	|	|	0.28
98.750	0.00	0.04	0.022	O	|	|	|	|	0.27
98.833	0.00	0.04	0.022	O	|	|	|	|	0.27
98.917	0.00	0.03	0.022	O	|	|	|	|	0.27
99.000	0.00	0.03	0.021	O	|	|	|	|	0.27
99.083	0.00	0.03	0.021	O	|	|	|	|	0.26
99.167	0.00	0.03	0.021	O	|	|	|	|	0.26
99.250	0.00	0.03	0.021	O	|	|	|	|	0.26
99.333	0.00	0.03	0.020	O	|	|	|	|	0.25
99.417	0.00	0.03	0.020	O	|	|	|	|	0.25
99.500	0.00	0.03	0.020	O	|	|	|	|	0.25
99.583	0.00	0.03	0.020	O	|	|	|	|	0.25
99.667	0.00	0.03	0.019	O	|	|	|	|	0.24
99.750	0.00	0.03	0.019	O	|	|	|	|	0.24
99.833	0.00	0.03	0.019	O	|	|	|	|	0.24
99.917	0.00	0.03	0.019	O	|	|	|	|	0.24
100.000	0.00	0.03	0.019	O	|	|	|	|	0.23
100.083	0.00	0.03	0.018	O	|	|	|	|	0.23
100.167	0.00	0.03	0.018	O	|	|	|	|	0.23
100.250	0.00	0.03	0.018	O	|	|	|	|	0.22
100.333	0.00	0.03	0.018	O	|	|	|	|	0.22
100.417	0.00	0.03	0.018	O	|	|	|	|	0.22
100.500	0.00	0.03	0.017	O	|	|	|	|	0.22
100.583	0.00	0.03	0.017	O	|	|	|	|	0.21
100.667	0.00	0.03	0.017	O	|	|	|	|	0.21
100.750	0.00	0.03	0.017	O	|	|	|	|	0.21
100.833	0.00	0.03	0.017	O	|	|	|	|	0.21
100.917	0.00	0.03	0.016	O	|	|	|	|	0.21
101.000	0.00	0.03	0.016	O	|	|	|	|	0.20
101.083	0.00	0.03	0.016	O	|	|	|	|	0.20
101.167	0.00	0.03	0.016	O	|	|	|	|	0.20
101.250	0.00	0.03	0.016	O	|	|	|	|	0.20
101.333	0.00	0.03	0.016	O	|	|	|	|	0.19

101.417	0.00	0.02	0.015	O	|	|	|	|	0.19
101.500	0.00	0.02	0.015	O	|	|	|	|	0.19
101.583	0.00	0.02	0.015	O	|	|	|	|	0.19
101.667	0.00	0.02	0.015	O	|	|	|	|	0.19
101.750	0.00	0.02	0.015	O	|	|	|	|	0.18
101.833	0.00	0.02	0.015	O	|	|	|	|	0.18
101.917	0.00	0.02	0.014	O	|	|	|	|	0.18
102.000	0.00	0.02	0.014	O	|	|	|	|	0.18
102.083	0.00	0.02	0.014	O	|	|	|	|	0.18
102.167	0.00	0.02	0.014	O	|	|	|	|	0.17
102.250	0.00	0.02	0.014	O	|	|	|	|	0.17
102.333	0.00	0.02	0.014	O	|	|	|	|	0.17
102.417	0.00	0.02	0.013	O	|	|	|	|	0.17
102.500	0.00	0.02	0.013	O	|	|	|	|	0.17
102.583	0.00	0.02	0.013	O	|	|	|	|	0.16
102.667	0.00	0.02	0.013	O	|	|	|	|	0.16
102.750	0.00	0.02	0.013	O	|	|	|	|	0.16
102.833	0.00	0.02	0.013	O	|	|	|	|	0.16
102.917	0.00	0.02	0.013	O	|	|	|	|	0.16
103.000	0.00	0.02	0.012	O	|	|	|	|	0.16
103.083	0.00	0.02	0.012	O	|	|	|	|	0.15
103.167	0.00	0.02	0.012	O	|	|	|	|	0.15
103.250	0.00	0.02	0.012	O	|	|	|	|	0.15
103.333	0.00	0.02	0.012	O	|	|	|	|	0.15
103.417	0.00	0.02	0.012	O	|	|	|	|	0.15
103.500	0.00	0.02	0.012	O	|	|	|	|	0.15
103.583	0.00	0.02	0.011	O	|	|	|	|	0.14
103.667	0.00	0.02	0.011	O	|	|	|	|	0.14
103.750	0.00	0.02	0.011	O	|	|	|	|	0.14
103.833	0.00	0.02	0.011	O	|	|	|	|	0.14
103.917	0.00	0.02	0.011	O	|	|	|	|	0.14
104.000	0.00	0.02	0.011	O	|	|	|	|	0.14
104.083	0.00	0.02	0.011	O	|	|	|	|	0.13
104.167	0.00	0.02	0.011	O	|	|	|	|	0.13
104.250	0.00	0.02	0.011	O	|	|	|	|	0.13
104.333	0.00	0.02	0.010	O	|	|	|	|	0.13
104.417	0.00	0.02	0.010	O	|	|	|	|	0.13
104.500	0.00	0.02	0.010	O	|	|	|	|	0.13
104.583	0.00	0.02	0.010	O	|	|	|	|	0.13
104.667	0.00	0.02	0.010	O	|	|	|	|	0.12
104.750	0.00	0.02	0.010	O	|	|	|	|	0.12
104.833	0.00	0.02	0.010	O	|	|	|	|	0.12
104.917	0.00	0.02	0.010	O	|	|	|	|	0.12
105.000	0.00	0.02	0.010	O	|	|	|	|	0.12
105.083	0.00	0.02	0.009	O	|	|	|	|	0.12
105.167	0.00	0.02	0.009	O	|	|	|	|	0.12
105.250	0.00	0.01	0.009	O	|	|	|	|	0.11
105.333	0.00	0.01	0.009	O	|	|	|	|	0.11
105.417	0.00	0.01	0.009	O	|	|	|	|	0.11
105.500	0.00	0.01	0.009	O	|	|	|	|	0.11
105.583	0.00	0.01	0.009	O	|	|	|	|	0.11
105.667	0.00	0.01	0.009	O	|	|	|	|	0.11
105.750	0.00	0.01	0.009	O	|	|	|	|	0.11
105.833	0.00	0.01	0.008	O	|	|	|	|	0.11
105.917	0.00	0.01	0.008	O	|	|	|	|	0.11
106.000	0.00	0.01	0.008	O	|	|	|	|	0.10
106.083	0.00	0.01	0.008	O	|	|	|	|	0.10
106.167	0.00	0.01	0.008	O	|	|	|	|	0.10
106.250	0.00	0.01	0.008	O	|	|	|	|	0.10
106.333	0.00	0.01	0.008	O	|	|	|	|	0.10
106.417	0.00	0.01	0.008	O	|	|	|	|	0.10
106.500	0.00	0.01	0.008	O	|	|	|	|	0.10
106.583	0.00	0.01	0.008	O	|	|	|	|	0.10
106.667	0.00	0.01	0.008	O	|	|	|	|	0.09
106.750	0.00	0.01	0.008	O	|	|	|	|	0.09
106.833	0.00	0.01	0.007	O	|	|	|	|	0.09
106.917	0.00	0.01	0.007	O	|	|	|	|	0.09
107.000	0.00	0.01	0.007	O	|	|	|	|	0.09

107.083	0.00	0.01	0.007	O	|	|	|	|	0.09
107.167	0.00	0.01	0.007	O	|	|	|	|	0.09
107.250	0.00	0.01	0.007	O	|	|	|	|	0.09
107.333	0.00	0.01	0.007	O	|	|	|	|	0.09
107.417	0.00	0.01	0.007	O	|	|	|	|	0.09
107.500	0.00	0.01	0.007	O	|	|	|	|	0.08
107.583	0.00	0.01	0.007	O	|	|	|	|	0.08
107.667	0.00	0.01	0.007	O	|	|	|	|	0.08
107.750	0.00	0.01	0.007	O	|	|	|	|	0.08
107.833	0.00	0.01	0.006	O	|	|	|	|	0.08
107.917	0.00	0.01	0.006	O	|	|	|	|	0.08
108.000	0.00	0.01	0.006	O	|	|	|	|	0.08
108.083	0.00	0.01	0.006	O	|	|	|	|	0.08
108.167	0.00	0.01	0.006	O	|	|	|	|	0.08
108.250	0.00	0.01	0.006	O	|	|	|	|	0.08
108.333	0.00	0.01	0.006	O	|	|	|	|	0.08
108.417	0.00	0.01	0.006	O	|	|	|	|	0.08
108.500	0.00	0.01	0.006	O	|	|	|	|	0.07
108.583	0.00	0.01	0.006	O	|	|	|	|	0.07
108.667	0.00	0.01	0.006	O	|	|	|	|	0.07
108.750	0.00	0.01	0.006	O	|	|	|	|	0.07
108.833	0.00	0.01	0.006	O	|	|	|	|	0.07
108.917	0.00	0.01	0.006	O	|	|	|	|	0.07
109.000	0.00	0.01	0.006	O	|	|	|	|	0.07
109.083	0.00	0.01	0.005	O	|	|	|	|	0.07
109.167	0.00	0.01	0.005	O	|	|	|	|	0.07
109.250	0.00	0.01	0.005	O	|	|	|	|	0.07
109.333	0.00	0.01	0.005	O	|	|	|	|	0.07
109.417	0.00	0.01	0.005	O	|	|	|	|	0.07
109.500	0.00	0.01	0.005	O	|	|	|	|	0.06
109.583	0.00	0.01	0.005	O	|	|	|	|	0.06
109.667	0.00	0.01	0.005	O	|	|	|	|	0.06
109.750	0.00	0.01	0.005	O	|	|	|	|	0.06
109.833	0.00	0.01	0.005	O	|	|	|	|	0.06
109.917	0.00	0.01	0.005	O	|	|	|	|	0.06
110.000	0.00	0.01	0.005	O	|	|	|	|	0.06
110.083	0.00	0.01	0.005	O	|	|	|	|	0.06
110.167	0.00	0.01	0.005	O	|	|	|	|	0.06
110.250	0.00	0.01	0.005	O	|	|	|	|	0.06
110.333	0.00	0.01	0.005	O	|	|	|	|	0.06
110.417	0.00	0.01	0.005	O	|	|	|	|	0.06
110.500	0.00	0.01	0.005	O	|	|	|	|	0.06
110.583	0.00	0.01	0.004	O	|	|	|	|	0.06
110.667	0.00	0.01	0.004	O	|	|	|	|	0.06
110.750	0.00	0.01	0.004	O	|	|	|	|	0.05
110.833	0.00	0.01	0.004	O	|	|	|	|	0.05
110.917	0.00	0.01	0.004	O	|	|	|	|	0.05
111.000	0.00	0.01	0.004	O	|	|	|	|	0.05
111.083	0.00	0.01	0.004	O	|	|	|	|	0.05
111.167	0.00	0.01	0.004	O	|	|	|	|	0.05
111.250	0.00	0.01	0.004	O	|	|	|	|	0.05
111.333	0.00	0.01	0.004	O	|	|	|	|	0.05
111.417	0.00	0.01	0.004	O	|	|	|	|	0.05
111.500	0.00	0.01	0.004	O	|	|	|	|	0.05
111.583	0.00	0.01	0.004	O	|	|	|	|	0.05
111.667	0.00	0.01	0.004	O	|	|	|	|	0.05
111.750	0.00	0.01	0.004	O	|	|	|	|	0.05
111.833	0.00	0.01	0.004	O	|	|	|	|	0.05
111.917	0.00	0.01	0.004	O	|	|	|	|	0.05
112.000	0.00	0.01	0.004	O	|	|	|	|	0.05
112.083	0.00	0.01	0.004	O	|	|	|	|	0.05
112.167	0.00	0.01	0.004	O	|	|	|	|	0.05
112.250	0.00	0.01	0.004	O	|	|	|	|	0.04
112.333	0.00	0.01	0.004	O	|	|	|	|	0.04
112.417	0.00	0.01	0.004	O	|	|	|	|	0.04
112.500	0.00	0.01	0.003	O	|	|	|	|	0.04
112.583	0.00	0.01	0.003	O	|	|	|	|	0.04
112.667	0.00	0.01	0.003	O	|	|	|	|	0.04

112.750	0.00	0.01	0.003	O	|	|	|	|	0.04
112.833	0.00	0.01	0.003	O	|	|	|	|	0.04
112.917	0.00	0.01	0.003	O	|	|	|	|	0.04
113.000	0.00	0.01	0.003	O	|	|	|	|	0.04
113.083	0.00	0.01	0.003	O	|	|	|	|	0.04
113.167	0.00	0.01	0.003	O	|	|	|	|	0.04
113.250	0.00	0.01	0.003	O	|	|	|	|	0.04
113.333	0.00	0.01	0.003	O	|	|	|	|	0.04
113.417	0.00	0.00	0.003	O	|	|	|	|	0.04
113.500	0.00	0.00	0.003	O	|	|	|	|	0.04
113.583	0.00	0.00	0.003	O	|	|	|	|	0.04
113.667	0.00	0.00	0.003	O	|	|	|	|	0.04
113.750	0.00	0.00	0.003	O	|	|	|	|	0.04
113.833	0.00	0.00	0.003	O	|	|	|	|	0.04
113.917	0.00	0.00	0.003	O	|	|	|	|	0.04
114.000	0.00	0.00	0.003	O	|	|	|	|	0.04
114.083	0.00	0.00	0.003	O	|	|	|	|	0.04
114.167	0.00	0.00	0.003	O	|	|	|	|	0.03
114.250	0.00	0.00	0.003	O	|	|	|	|	0.03
114.333	0.00	0.00	0.003	O	|	|	|	|	0.03
114.417	0.00	0.00	0.003	O	|	|	|	|	0.03
114.500	0.00	0.00	0.003	O	|	|	|	|	0.03
114.583	0.00	0.00	0.003	O	|	|	|	|	0.03
114.667	0.00	0.00	0.003	O	|	|	|	|	0.03
114.750	0.00	0.00	0.003	O	|	|	|	|	0.03
114.833	0.00	0.00	0.003	O	|	|	|	|	0.03
114.917	0.00	0.00	0.003	O	|	|	|	|	0.03
115.000	0.00	0.00	0.002	O	|	|	|	|	0.03
115.083	0.00	0.00	0.002	O	|	|	|	|	0.03
115.167	0.00	0.00	0.002	O	|	|	|	|	0.03
115.250	0.00	0.00	0.002	O	|	|	|	|	0.03
115.333	0.00	0.00	0.002	O	|	|	|	|	0.03
115.417	0.00	0.00	0.002	O	|	|	|	|	0.03
115.500	0.00	0.00	0.002	O	|	|	|	|	0.03
115.583	0.00	0.00	0.002	O	|	|	|	|	0.03
115.667	0.00	0.00	0.002	O	|	|	|	|	0.03
115.750	0.00	0.00	0.002	O	|	|	|	|	0.03
115.833	0.00	0.00	0.002	O	|	|	|	|	0.03
115.917	0.00	0.00	0.002	O	|	|	|	|	0.03
116.000	0.00	0.00	0.002	O	|	|	|	|	0.03
116.083	0.00	0.00	0.002	O	|	|	|	|	0.03
116.167	0.00	0.00	0.002	O	|	|	|	|	0.03
116.250	0.00	0.00	0.002	O	|	|	|	|	0.03
116.333	0.00	0.00	0.002	O	|	|	|	|	0.03
116.417	0.00	0.00	0.002	O	|	|	|	|	0.03
116.500	0.00	0.00	0.002	O	|	|	|	|	0.03
116.583	0.00	0.00	0.002	O	|	|	|	|	0.03
116.667	0.00	0.00	0.002	O	|	|	|	|	0.02
116.750	0.00	0.00	0.002	O	|	|	|	|	0.02
116.833	0.00	0.00	0.002	O	|	|	|	|	0.02
116.917	0.00	0.00	0.002	O	|	|	|	|	0.02
117.000	0.00	0.00	0.002	O	|	|	|	|	0.02
117.083	0.00	0.00	0.002	O	|	|	|	|	0.02
117.167	0.00	0.00	0.002	O	|	|	|	|	0.02
117.250	0.00	0.00	0.002	O	|	|	|	|	0.02
117.333	0.00	0.00	0.002	O	|	|	|	|	0.02
117.417	0.00	0.00	0.002	O	|	|	|	|	0.02
117.500	0.00	0.00	0.002	O	|	|	|	|	0.02
117.583	0.00	0.00	0.002	O	|	|	|	|	0.02
117.667	0.00	0.00	0.002	O	|	|	|	|	0.02
117.750	0.00	0.00	0.002	O	|	|	|	|	0.02
117.833	0.00	0.00	0.002	O	|	|	|	|	0.02
117.917	0.00	0.00	0.002	O	|	|	|	|	0.02
118.000	0.00	0.00	0.002	O	|	|	|	|	0.02
118.083	0.00	0.00	0.002	O	|	|	|	|	0.02
118.167	0.00	0.00	0.002	O	|	|	|	|	0.02
118.250	0.00	0.00	0.002	O	|	|	|	|	0.02
118.333	0.00	0.00	0.002	O	|	|	|	|	0.02

118.417	0.00	0.00	0.002	O	|	|	|	|	0.02
118.500	0.00	0.00	0.002	O	|	|	|	|	0.02
118.583	0.00	0.00	0.002	O	|	|	|	|	0.02
118.667	0.00	0.00	0.002	O	|	|	|	|	0.02
118.750	0.00	0.00	0.001	O	|	|	|	|	0.02
118.833	0.00	0.00	0.001	O	|	|	|	|	0.02
118.917	0.00	0.00	0.001	O	|	|	|	|	0.02
119.000	0.00	0.00	0.001	O	|	|	|	|	0.02
119.083	0.00	0.00	0.001	O	|	|	|	|	0.02
119.167	0.00	0.00	0.001	O	|	|	|	|	0.02
119.250	0.00	0.00	0.001	O	|	|	|	|	0.02
119.333	0.00	0.00	0.001	O	|	|	|	|	0.02
119.417	0.00	0.00	0.001	O	|	|	|	|	0.02
119.500	0.00	0.00	0.001	O	|	|	|	|	0.02
119.583	0.00	0.00	0.001	O	|	|	|	|	0.02
119.667	0.00	0.00	0.001	O	|	|	|	|	0.02
119.750	0.00	0.00	0.001	O	|	|	|	|	0.02
119.833	0.00	0.00	0.001	O	|	|	|	|	0.02
119.917	0.00	0.00	0.001	O	|	|	|	|	0.02
120.000	0.00	0.00	0.001	O	|	|	|	|	0.02
120.083	0.00	0.00	0.001	O	|	|	|	|	0.02
120.167	0.00	0.00	0.001	O	|	|	|	|	0.02
120.250	0.00	0.00	0.001	O	|	|	|	|	0.02
120.333	0.00	0.00	0.001	O	|	|	|	|	0.02
120.417	0.00	0.00	0.001	O	|	|	|	|	0.01
120.500	0.00	0.00	0.001	O	|	|	|	|	0.01
120.583	0.00	0.00	0.001	O	|	|	|	|	0.01
120.667	0.00	0.00	0.001	O	|	|	|	|	0.01
120.750	0.00	0.00	0.001	O	|	|	|	|	0.01
120.833	0.00	0.00	0.001	O	|	|	|	|	0.01
120.917	0.00	0.00	0.001	O	|	|	|	|	0.01
121.000	0.00	0.00	0.001	O	|	|	|	|	0.01
121.083	0.00	0.00	0.001	O	|	|	|	|	0.01
121.167	0.00	0.00	0.001	O	|	|	|	|	0.01
121.250	0.00	0.00	0.001	O	|	|	|	|	0.01
121.333	0.00	0.00	0.001	O	|	|	|	|	0.01
121.417	0.00	0.00	0.001	O	|	|	|	|	0.01
121.500	0.00	0.00	0.001	O	|	|	|	|	0.01
121.583	0.00	0.00	0.001	O	|	|	|	|	0.01
121.667	0.00	0.00	0.001	O	|	|	|	|	0.01
121.750	0.00	0.00	0.001	O	|	|	|	|	0.01
121.833	0.00	0.00	0.001	O	|	|	|	|	0.01
121.917	0.00	0.00	0.001	O	|	|	|	|	0.01
122.000	0.00	0.00	0.001	O	|	|	|	|	0.01
122.083	0.00	0.00	0.001	O	|	|	|	|	0.01
122.167	0.00	0.00	0.001	O	|	|	|	|	0.01
122.250	0.00	0.00	0.001	O	|	|	|	|	0.01
122.333	0.00	0.00	0.001	O	|	|	|	|	0.01
122.417	0.00	0.00	0.001	O	|	|	|	|	0.01
122.500	0.00	0.00	0.001	O	|	|	|	|	0.01
122.583	0.00	0.00	0.001	O	|	|	|	|	0.01
122.667	0.00	0.00	0.001	O	|	|	|	|	0.01
122.750	0.00	0.00	0.001	O	|	|	|	|	0.01
122.833	0.00	0.00	0.001	O	|	|	|	|	0.01
122.917	0.00	0.00	0.001	O	|	|	|	|	0.01
123.000	0.00	0.00	0.001	O	|	|	|	|	0.01
123.083	0.00	0.00	0.001	O	|	|	|	|	0.01
123.167	0.00	0.00	0.001	O	|	|	|	|	0.01
123.250	0.00	0.00	0.001	O	|	|	|	|	0.01
123.333	0.00	0.00	0.001	O	|	|	|	|	0.01
123.417	0.00	0.00	0.001	O	|	|	|	|	0.01
123.500	0.00	0.00	0.001	O	|	|	|	|	0.01
123.583	0.00	0.00	0.001	O	|	|	|	|	0.01
123.667	0.00	0.00	0.001	O	|	|	|	|	0.01
123.750	0.00	0.00	0.001	O	|	|	|	|	0.01
123.833	0.00	0.00	0.001	O	|	|	|	|	0.01
123.917	0.00	0.00	0.001	O	|	|	|	|	0.01
124.000	0.00	0.00	0.001	O	|	|	|	|	0.01

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124.083    0.00    0.00      0.001  O       |       |       |       |     0.01
124.167    0.00    0.00      0.001  O       |       |       |       |     0.01
124.250    0.00    0.00      0.001  O       |       |       |       |     0.01
124.333    0.00    0.00      0.001  O       |       |       |       |     0.01
124.417    0.00    0.00      0.001  O       |       |       |       |     0.01
124.500    0.00    0.00      0.001  O       |       |       |       |     0.01
124.583    0.00    0.00      0.001  O       |       |       |       |     0.01
124.667    0.00    0.00      0.001  O       |       |       |       |     0.01
124.750    0.00    0.00      0.001  O       |       |       |       |     0.01
124.833    0.00    0.00      0.001  O       |       |       |       |     0.01
124.917    0.00    0.00      0.001  O       |       |       |       |     0.01
125.000    0.00    0.00      0.001  O       |       |       |       |     0.01
125.083    0.00    0.00      0.001  O       |       |       |       |     0.01
125.167    0.00    0.00      0.001  O       |       |       |       |     0.01
125.250    0.00    0.00      0.001  O       |       |       |       |     0.01
125.333    0.00    0.00      0.001  O       |       |       |       |     0.01
125.417    0.00    0.00      0.001  O       |       |       |       |     0.01

      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =  1505
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =       14.050 (CFS)
                  Total volume =       6.862 (Ac.Ft)
            Status of hydrographs being held in storage
                        Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
      ************************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 03/17/22

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: PROA1006100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 76
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 29.181 (CFS)
Total volume = 3.325 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

PROPOSED BASIN ROUTING
100-YEAR 6HR STORM
TT# 38171

++++++++++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 76
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.080	0.130	0.080	0.080
1.300	0.100	0.130	0.100	0.100
1.700	0.130	0.130	0.130	0.130
2.000	0.150	0.130	0.150	0.150
2.300	0.180	0.130	0.180	0.180
2.700	0.200	0.130	0.200	0.200
3.000	0.230	0.130	0.230	0.230
3.300	0.320	0.130	0.320	0.320
3.700	0.420	0.130	0.420	0.420
4.000	0.510	0.130	0.510	0.510
4.300	0.620	0.130	0.620	0.620
4.700	0.720	0.330	0.719	0.721
5.000	0.830	0.560	0.828	0.832
5.300	0.950	0.710	0.948	0.952
5.700	1.060	0.830	1.057	1.063
6.000	1.190	0.930	1.187	1.193
6.300	1.310	1.010	1.307	1.313
6.700	1.440	1.100	1.436	1.444
7.000	1.570	29.950	1.467	1.673

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 7.3 14.59 21.89 29.18	Depth (Ft.)
0.083	0.62	0.00	0.002	O | | | |	0.03
0.167	1.43	0.01	0.009	OI | | | |	0.11
0.250	1.71	0.03	0.020	OI | | | |	0.25
0.333	1.80	0.05	0.032	OI | | | |	0.39
0.417	1.84	0.07	0.044	O I | | | |	0.55
0.500	2.03	0.09	0.056	O I | | | |	0.70
0.583	2.23	0.11	0.070	O I | | | |	0.88
0.667	2.27	0.13	0.085	O I | | | |	1.07
0.750	2.29	0.13	0.100	O I | | | |	1.30
0.833	2.30	0.13	0.115	O I | | | |	1.50
0.917	2.30	0.13	0.130	O I | | | |	1.70
1.000	2.55	0.13	0.145	O I | | | |	1.93
1.083	2.83	0.13	0.163	O I | | | |	2.13
1.167	2.89	0.13	0.182	O I | | | |	2.34
1.250	2.92	0.13	0.201	O I | | | |	2.71
1.333	2.93	0.13	0.220	O I | | | |	2.90
1.417	2.93	0.13	0.240	O I | | | |	3.03
1.500	2.93	0.13	0.259	O I | | | |	3.10
1.583	2.93	0.13	0.278	O I | | | |	3.16
1.667	2.93	0.13	0.297	O I | | | |	3.22
1.750	2.93	0.13	0.317	O I | | | |	3.29
1.833	2.93	0.13	0.336	O I | | | |	3.36
1.917	2.93	0.13	0.355	O I | | | |	3.44
2.000	3.18	0.13	0.375	O I | | | |	3.52
2.083	3.21	0.13	0.397	O I | | | |	3.61
2.167	3.24	0.13	0.418	O I | | | |	3.69
2.250	3.49	0.13	0.440	O I | | | |	3.77
2.333	3.54	0.13	0.463	O I | | | |	3.84
2.417	3.55	0.13	0.487	O I | | | |	3.92
2.500	3.56	0.13	0.511	O I | | | |	4.00
2.583	3.56	0.13	0.534	O I | | | |	4.07
2.667	3.56	0.13	0.558	O I | | | |	4.13
2.750	3.81	0.13	0.582	O I | | | |	4.20
2.833	4.10	0.13	0.609	O I | | | |	4.27
2.917	4.16	0.16	0.636	O I | | | |	4.36
3.000	4.18	0.22	0.663	O I | | | |	4.47
3.083	4.19	0.27	0.691	O I | | | |	4.58
3.167	4.44	0.33	0.718	O I | | | |	4.69
3.250	4.73	0.39	0.747	O I | | | |	4.77
3.333	4.79	0.45	0.777	O I | | | |	4.86
3.417	5.06	0.51	0.808	O I | | | |	4.94
3.500	5.61	0.57	0.841	O I | | | |	5.03
3.583	6.20	0.62	0.877	O I | | | |	5.12
3.667	6.57	0.67	0.917	O I| | | |	5.22
3.750	6.92	0.72	0.959	O I| | | |	5.33
3.833	7.24	0.77	1.002	O I| | | |	5.49
3.917	7.56	0.82	1.048	O I | | |	5.66
4.000	7.87	0.86	1.095	O I | | |	5.78
4.083	8.19	0.89	1.144	O I | | |	5.89
4.167	8.75	0.93	1.196	|O |I | | |	6.02
4.250	9.36	0.97	1.252	|O | I | | |	6.16
4.333	9.98	1.01	1.312	|O | I | | |	6.31
4.417	10.61	1.06	1.376	|O | I | | |	6.50
4.500	10.98	1.44	1.442	|O | I | | |	6.70
4.583	11.33	9.86	1.479	| | O I | | |	6.79
4.667	11.90	11.38	1.486	| | OI | | |	6.81
4.750	12.51	12.10	1.490	| | O | | |	6.81
4.833	12.88	12.61	1.492	| | OI | | |	6.82
4.917	13.22	12.99	1.494	| | O | | |	6.82
5.000	13.79	13.44	1.496	| | OI| | |	6.83

5.083	15.41	14.45	1.500	|	|	OI	|	|	6.84
5.167	18.17	16.48	1.509	|	|	| OI	|	|	6.86
5.250	20.68	19.03	1.521	|	|	| O I	|	|	6.89
5.333	22.71	21.34	1.531	|	|	| OI	|	|	6.91
5.417	25.18	23.60	1.541	|	|	| |O I	|	6.93
5.500	**29.18**	**26.70**	**1.555**	**|**	**|**	**|**	**| O I**		**6.97**
5.583	22.74	26.06	1.552	|	|	| I O	|	|	6.96
5.667	10.50	17.88	1.516	|	| I	| O	|	|	6.87
5.750	5.05	9.12	1.476	| I	| O	|	|	|	6.78
5.833	2.75	4.59	1.456	| I O	|	|	|	|	6.74
5.917	1.54	2.47	1.446	|IO	|	|	|	|	6.71
6.000	0.94	1.41	1.441	|O	|	|	|	|	6.70
6.083	0.45	1.10	1.438	IO	|	|	|	|	6.69
6.167	0.12	1.09	1.432	IO	|	|	|	|	6.68
6.250	0.04	1.09	1.425	IO	|	|	|	|	6.65
6.333	0.01	1.08	1.418	IO	|	|	|	|	6.63
6.417	0.00	1.08	1.410	IO	|	|	|	|	6.61
6.500	0.00	1.07	1.403	IO	|	|	|	|	6.59
6.583	0.00	1.07	1.395	IO	|	|	|	|	6.56
6.667	0.00	1.06	1.388	IO	|	|	|	|	6.54
6.750	0.00	1.06	1.381	IO	|	|	|	|	6.52
6.833	0.00	1.05	1.374	IO	|	|	|	|	6.50
6.917	0.00	1.05	1.366	IO	|	|	|	|	6.47
7.000	0.00	1.04	1.359	IO	|	|	|	|	6.45
7.083	0.00	1.04	1.352	IO	|	|	|	|	6.43
7.167	0.00	1.03	1.345	IO	|	|	|	|	6.41
7.250	0.00	1.03	1.338	IO	|	|	|	|	6.39
7.333	0.00	1.02	1.331	IO	|	|	|	|	6.36
7.417	0.00	1.02	1.324	IO	|	|	|	|	6.34
7.500	0.00	1.01	1.317	IO	|	|	|	|	6.32
7.583	0.00	1.01	1.310	IO	|	|	|	|	6.30
7.667	0.00	1.01	1.303	IO	|	|	|	|	6.28
7.750	0.00	1.00	1.296	IO	|	|	|	|	6.26
7.833	0.00	1.00	1.289	IO	|	|	|	|	6.25
7.917	0.00	0.99	1.282	IO	|	|	|	|	6.23
8.000	0.00	0.99	1.275	IO	|	|	|	|	6.21
8.083	0.00	0.98	1.268	IO	|	|	|	|	6.20
8.167	0.00	0.98	1.262	IO	|	|	|	|	6.18
8.250	0.00	0.97	1.255	IO	|	|	|	|	6.16
8.333	0.00	0.97	1.248	IO	|	|	|	|	6.15
8.417	0.00	0.96	1.242	IO	|	|	|	|	6.13
8.500	0.00	0.96	1.235	IO	|	|	|	|	6.11
8.583	0.00	0.96	1.228	IO	|	|	|	|	6.10
8.667	0.00	0.95	1.222	IO	|	|	|	|	6.08
8.750	0.00	0.95	1.215	IO	|	|	|	|	6.06
8.833	0.00	0.94	1.209	IO	|	|	|	|	6.05
8.917	0.00	0.94	1.202	IO	|	|	|	|	6.03
9.000	0.00	0.93	1.196	IO	|	|	|	|	6.01
9.083	0.00	0.93	1.189	IO	|	|	|	|	6.00
9.167	0.00	0.92	1.183	IO	|	|	|	|	5.98
9.250	0.00	0.92	1.177	IO	|	|	|	|	5.97
9.333	0.00	0.91	1.170	IO	|	|	|	|	5.95
9.417	0.00	0.91	1.164	O	|	|	|	|	5.94
9.500	0.00	0.91	1.158	O	|	|	|	|	5.93
9.583	0.00	0.90	1.152	O	|	|	|	|	5.91
9.667	0.00	0.90	1.145	O	|	|	|	|	5.90
9.750	0.00	0.89	1.139	O	|	|	|	|	5.88
9.833	0.00	0.89	1.133	O	|	|	|	|	5.87
9.917	0.00	0.88	1.127	O	|	|	|	|	5.85
10.000	0.00	0.88	1.121	O	|	|	|	|	5.84
10.083	0.00	0.87	1.115	O	|	|	|	|	5.83
10.167	0.00	0.87	1.109	O	|	|	|	|	5.81
10.250	0.00	0.86	1.103	O	|	|	|	|	5.80
10.333	0.00	0.86	1.097	O	|	|	|	|	5.79
10.417	0.00	0.85	1.091	O	|	|	|	|	5.77
10.500	0.00	0.85	1.085	O	|	|	|	|	5.76
10.583	0.00	0.85	1.080	O	|	|	|	|	5.75
10.667	0.00	0.84	1.074	O	|	|	|	|	5.73

10.750	0.00	0.84	1.068	O	|	|	|	|	5.72
10.833	0.00	0.83	1.062	O	|	|	|	|	5.71
10.917	0.00	0.83	1.057	O	|	|	|	|	5.69
11.000	0.00	0.82	1.051	O	|	|	|	|	5.67
11.083	0.00	0.81	1.045	O	|	|	|	|	5.65
11.167	0.00	0.81	1.040	O	|	|	|	|	5.63
11.250	0.00	0.80	1.034	O	|	|	|	|	5.61
11.333	0.00	0.80	1.029	O	|	|	|	|	5.59
11.417	0.00	0.79	1.023	O	|	|	|	|	5.57
11.500	0.00	0.78	1.018	O	|	|	|	|	5.55
11.583	0.00	0.78	1.012	O	|	|	|	|	5.53
11.667	0.00	0.77	1.007	O	|	|	|	|	5.51
11.750	0.00	0.77	1.002	O	|	|	|	|	5.49
11.833	0.00	0.76	0.996	O	|	|	|	|	5.47
11.917	0.00	0.75	0.991	O	|	|	|	|	5.45
12.000	0.00	0.75	0.986	O	|	|	|	|	5.43
12.083	0.00	0.74	0.981	O	|	|	|	|	5.41
12.167	0.00	0.74	0.976	O	|	|	|	|	5.39
12.250	0.00	0.73	0.971	O	|	|	|	|	5.38
12.333	0.00	0.73	0.966	O	|	|	|	|	5.36
12.417	0.00	0.72	0.961	O	|	|	|	|	5.34
12.500	0.00	0.72	0.956	O	|	|	|	|	5.32
12.583	0.00	0.71	0.951	O	|	|	|	|	5.30
12.667	0.00	0.70	0.946	O	|	|	|	|	5.29
12.750	0.00	0.70	0.941	O	|	|	|	|	5.28
12.833	0.00	0.69	0.936	O	|	|	|	|	5.27
12.917	0.00	0.69	0.932	O	|	|	|	|	5.25
13.000	0.00	0.68	0.927	O	|	|	|	|	5.24
13.083	0.00	0.68	0.922	O	|	|	|	|	5.23
13.167	0.00	0.67	0.918	O	|	|	|	|	5.22
13.250	0.00	0.66	0.913	O	|	|	|	|	5.21
13.333	0.00	0.66	0.908	O	|	|	|	|	5.20
13.417	0.00	0.65	0.904	O	|	|	|	|	5.18
13.500	0.00	0.65	0.899	O	|	|	|	|	5.17
13.583	0.00	0.64	0.895	O	|	|	|	|	5.16
13.667	0.00	0.64	0.891	O	|	|	|	|	5.15
13.750	0.00	0.63	0.886	O	|	|	|	|	5.14
13.833	0.00	0.62	0.882	O	|	|	|	|	5.13
13.917	0.00	0.62	0.878	O	|	|	|	|	5.12
14.000	0.00	0.61	0.873	O	|	|	|	|	5.11
14.083	0.00	0.61	0.869	O	|	|	|	|	5.10
14.167	0.00	0.60	0.865	O	|	|	|	|	5.09
14.250	0.00	0.60	0.861	O	|	|	|	|	5.08
14.333	0.00	0.59	0.857	O	|	|	|	|	5.07
14.417	0.00	0.59	0.853	O	|	|	|	|	5.06
14.500	0.00	0.58	0.849	O	|	|	|	|	5.05
14.583	0.00	0.58	0.845	O	|	|	|	|	5.04
14.667	0.00	0.57	0.841	O	|	|	|	|	5.03
14.750	0.00	0.57	0.837	O	|	|	|	|	5.02
14.833	0.00	0.56	0.833	O	|	|	|	|	5.01
14.917	0.00	0.56	0.829	O	|	|	|	|	5.00
15.000	0.00	0.55	0.825	O	|	|	|	|	4.99
15.083	0.00	0.54	0.821	O	|	|	|	|	4.98
15.167	0.00	0.53	0.818	O	|	|	|	|	4.97
15.250	0.00	0.53	0.814	O	|	|	|	|	4.96
15.333	0.00	0.52	0.810	O	|	|	|	|	4.95
15.417	0.00	0.51	0.807	O	|	|	|	|	4.94
15.500	0.00	0.50	0.803	O	|	|	|	|	4.93
15.583	0.00	0.50	0.800	O	|	|	|	|	4.92
15.667	0.00	0.49	0.797	O	|	|	|	|	4.91
15.750	0.00	0.48	0.793	O	|	|	|	|	4.90
15.833	0.00	0.48	0.790	O	|	|	|	|	4.89
15.917	0.00	0.47	0.787	O	|	|	|	|	4.88
16.000	0.00	0.46	0.783	O	|	|	|	|	4.87
16.083	0.00	0.46	0.780	O	|	|	|	|	4.86
16.167	0.00	0.45	0.777	O	|	|	|	|	4.86
16.250	0.00	0.44	0.774	O	|	|	|	|	4.85
16.333	0.00	0.44	0.771	O	|	|	|	|	4.84

16.417	0.00	0.43	0.768	O	|	|	|	|	4.83
16.500	0.00	0.42	0.765	O	|	|	|	|	4.82
16.583	0.00	0.42	0.762	O	|	|	|	|	4.82
16.667	0.00	0.41	0.759	O	|	|	|	|	4.81
16.750	0.00	0.41	0.757	O	|	|	|	|	4.80
16.833	0.00	0.40	0.754	O	|	|	|	|	4.79
16.917	0.00	0.39	0.751	O	|	|	|	|	4.78
17.000	0.00	0.39	0.748	O	|	|	|	|	4.78
17.083	0.00	0.38	0.746	O	|	|	|	|	4.77
17.167	0.00	0.38	0.743	O	|	|	|	|	4.76
17.250	0.00	0.37	0.740	O	|	|	|	|	4.76
17.333	0.00	0.37	0.738	O	|	|	|	|	4.75
17.417	0.00	0.36	0.735	O	|	|	|	|	4.74
17.500	0.00	0.36	0.733	O	|	|	|	|	4.74
17.583	0.00	0.35	0.730	O	|	|	|	|	4.73
17.667	0.00	0.35	0.728	O	|	|	|	|	4.72
17.750	0.00	0.34	0.726	O	|	|	|	|	4.72
17.833	0.00	0.34	0.723	O	|	|	|	|	4.71
17.917	0.00	0.33	0.721	O	|	|	|	|	4.70
18.000	0.00	0.33	0.719	O	|	|	|	|	4.70
18.083	0.00	0.32	0.717	O	|	|	|	|	4.69
18.167	0.00	0.32	0.714	O	|	|	|	|	4.68
18.250	0.00	0.31	0.712	O	|	|	|	|	4.67
18.333	0.00	0.31	0.710	O	|	|	|	|	4.66
18.417	0.00	0.31	0.708	O	|	|	|	|	4.65
18.500	0.00	0.30	0.706	O	|	|	|	|	4.64
18.583	0.00	0.30	0.704	O	|	|	|	|	4.63
18.667	0.00	0.29	0.702	O	|	|	|	|	4.63
18.750	0.00	0.29	0.700	O	|	|	|	|	4.62
18.833	0.00	0.29	0.698	O	|	|	|	|	4.61
18.917	0.00	0.28	0.696	O	|	|	|	|	4.60
19.000	0.00	0.28	0.694	O	|	|	|	|	4.60
19.083	0.00	0.27	0.692	O	|	|	|	|	4.59
19.167	0.00	0.27	0.690	O	|	|	|	|	4.58
19.250	0.00	0.27	0.688	O	|	|	|	|	4.57
19.333	0.00	0.26	0.686	O	|	|	|	|	4.57
19.417	0.00	0.26	0.685	O	|	|	|	|	4.56
19.500	0.00	0.26	0.683	O	|	|	|	|	4.55
19.583	0.00	0.25	0.681	O	|	|	|	|	4.54
19.667	0.00	0.25	0.679	O	|	|	|	|	4.54
19.750	0.00	0.25	0.678	O	|	|	|	|	4.53
19.833	0.00	0.24	0.676	O	|	|	|	|	4.52
19.917	0.00	0.24	0.674	O	|	|	|	|	4.52
20.000	0.00	0.24	0.673	O	|	|	|	|	4.51
20.083	0.00	0.23	0.671	O	|	|	|	|	4.50
20.167	0.00	0.23	0.669	O	|	|	|	|	4.50
20.250	0.00	0.23	0.668	O	|	|	|	|	4.49
20.333	0.00	0.22	0.666	O	|	|	|	|	4.49
20.417	0.00	0.22	0.665	O	|	|	|	|	4.48
20.500	0.00	0.22	0.663	O	|	|	|	|	4.47
20.583	0.00	0.21	0.662	O	|	|	|	|	4.47
20.667	0.00	0.21	0.660	O	|	|	|	|	4.46
20.750	0.00	0.21	0.659	O	|	|	|	|	4.46
20.833	0.00	0.21	0.658	O	|	|	|	|	4.45
20.917	0.00	0.20	0.656	O	|	|	|	|	4.44
21.000	0.00	0.20	0.655	O	|	|	|	|	4.44
21.083	0.00	0.20	0.653	O	|	|	|	|	4.43
21.167	0.00	0.19	0.652	O	|	|	|	|	4.43
21.250	0.00	0.19	0.651	O	|	|	|	|	4.42
21.333	0.00	0.19	0.649	O	|	|	|	|	4.42
21.417	0.00	0.19	0.648	O	|	|	|	|	4.41
21.500	0.00	0.18	0.647	O	|	|	|	|	4.41
21.583	0.00	0.18	0.646	O	|	|	|	|	4.40
21.667	0.00	0.18	0.644	O	|	|	|	|	4.40
21.750	0.00	0.18	0.643	O	|	|	|	|	4.39
21.833	0.00	0.17	0.642	O	|	|	|	|	4.39
21.917	0.00	0.17	0.641	O	|	|	|	|	4.38
22.000	0.00	0.17	0.640	O	|	|	|	|	4.38

22.083	0.00	0.17	0.638	O	|	|	|	|	4.37
22.167	0.00	0.16	0.637	O	|	|	|	|	4.37
22.250	0.00	0.16	0.636	O	|	|	|	|	4.36
22.333	0.00	0.16	0.635	O	|	|	|	|	4.36
22.417	0.00	0.16	0.634	O	|	|	|	|	4.36
22.500	0.00	0.16	0.633	O	|	|	|	|	4.35
22.583	0.00	0.15	0.632	O	|	|	|	|	4.35
22.667	0.00	0.15	0.631	O	|	|	|	|	4.34
22.750	0.00	0.15	0.630	O	|	|	|	|	4.34
22.833	0.00	0.15	0.629	O	|	|	|	|	4.33
22.917	0.00	0.15	0.628	O	|	|	|	|	4.33
23.000	0.00	0.14	0.627	O	|	|	|	|	4.33
23.083	0.00	0.14	0.626	O	|	|	|	|	4.32
23.167	0.00	0.14	0.625	O	|	|	|	|	4.32
23.250	0.00	0.14	0.624	O	|	|	|	|	4.32
23.333	0.00	0.14	0.623	O	|	|	|	|	4.31
23.417	0.00	0.13	0.622	O	|	|	|	|	4.31
23.500	0.00	0.13	0.621	O	|	|	|	|	4.30
23.583	0.00	0.13	0.620	O	|	|	|	|	4.30
23.667	0.00	0.13	0.619	O	|	|	|	|	4.30
23.750	0.00	0.13	0.618	O	|	|	|	|	4.30
23.833	0.00	0.13	0.617	O	|	|	|	|	4.29
23.917	0.00	0.13	0.617	O	|	|	|	|	4.29
24.000	0.00	0.13	0.616	O	|	|	|	|	4.29
24.083	0.00	0.13	0.615	O	|	|	|	|	4.29
24.167	0.00	0.13	0.614	O	|	|	|	|	4.28
24.250	0.00	0.13	0.613	O	|	|	|	|	4.28
24.333	0.00	0.13	0.612	O	|	|	|	|	4.28
24.417	0.00	0.13	0.611	O	|	|	|	|	4.28
24.500	0.00	0.13	0.610	O	|	|	|	|	4.27
24.583	0.00	0.13	0.609	O	|	|	|	|	4.27
24.667	0.00	0.13	0.608	O	|	|	|	|	4.27
24.750	0.00	0.13	0.608	O	|	|	|	|	4.27
24.833	0.00	0.13	0.607	O	|	|	|	|	4.26
24.917	0.00	0.13	0.606	O	|	|	|	|	4.26
25.000	0.00	0.13	0.605	O	|	|	|	|	4.26
25.083	0.00	0.13	0.604	O	|	|	|	|	4.26
25.167	0.00	0.13	0.603	O	|	|	|	|	4.25
25.250	0.00	0.13	0.602	O	|	|	|	|	4.25
25.333	0.00	0.13	0.601	O	|	|	|	|	4.25
25.417	0.00	0.13	0.600	O	|	|	|	|	4.25
25.500	0.00	0.13	0.599	O	|	|	|	|	4.24
25.583	0.00	0.13	0.599	O	|	|	|	|	4.24
25.667	0.00	0.13	0.598	O	|	|	|	|	4.24
25.750	0.00	0.13	0.597	O	|	|	|	|	4.24
25.833	0.00	0.13	0.596	O	|	|	|	|	4.23
25.917	0.00	0.13	0.595	O	|	|	|	|	4.23
26.000	0.00	0.13	0.594	O	|	|	|	|	4.23
26.083	0.00	0.13	0.593	O	|	|	|	|	4.23
26.167	0.00	0.13	0.592	O	|	|	|	|	4.22
26.250	0.00	0.13	0.591	O	|	|	|	|	4.22
26.333	0.00	0.13	0.591	O	|	|	|	|	4.22
26.417	0.00	0.13	0.590	O	|	|	|	|	4.22
26.500	0.00	0.13	0.589	O	|	|	|	|	4.21
26.583	0.00	0.13	0.588	O	|	|	|	|	4.21
26.667	0.00	0.13	0.587	O	|	|	|	|	4.21
26.750	0.00	0.13	0.586	O	|	|	|	|	4.21
26.833	0.00	0.13	0.585	O	|	|	|	|	4.21
26.917	0.00	0.13	0.584	O	|	|	|	|	4.20
27.000	0.00	0.13	0.583	O	|	|	|	|	4.20
27.083	0.00	0.13	0.582	O	|	|	|	|	4.20
27.167	0.00	0.13	0.582	O	|	|	|	|	4.20
27.250	0.00	0.13	0.581	O	|	|	|	|	4.19
27.333	0.00	0.13	0.580	O	|	|	|	|	4.19
27.417	0.00	0.13	0.579	O	|	|	|	|	4.19
27.500	0.00	0.13	0.578	O	|	|	|	|	4.19
27.583	0.00	0.13	0.577	O	|	|	|	|	4.18
27.667	0.00	0.13	0.576	O	|	|	|	|	4.18

27.750	0.00	0.13	0.575	O	|	|	|	|	4.18
27.833	0.00	0.13	0.574	O	|	|	|	|	4.18
27.917	0.00	0.13	0.574	O	|	|	|	|	4.17
28.000	0.00	0.13	0.573	O	|	|	|	|	4.17
28.083	0.00	0.13	0.572	O	|	|	|	|	4.17
28.167	0.00	0.13	0.571	O	|	|	|	|	4.17
28.250	0.00	0.13	0.570	O	|	|	|	|	4.16
28.333	0.00	0.13	0.569	O	|	|	|	|	4.16
28.417	0.00	0.13	0.568	O	|	|	|	|	4.16
28.500	0.00	0.13	0.567	O	|	|	|	|	4.16
28.583	0.00	0.13	0.566	O	|	|	|	|	4.15
28.667	0.00	0.13	0.565	O	|	|	|	|	4.15
28.750	0.00	0.13	0.565	O	|	|	|	|	4.15
28.833	0.00	0.13	0.564	O	|	|	|	|	4.15
28.917	0.00	0.13	0.563	O	|	|	|	|	4.14
29.000	0.00	0.13	0.562	O	|	|	|	|	4.14
29.083	0.00	0.13	0.561	O	|	|	|	|	4.14
29.167	0.00	0.13	0.560	O	|	|	|	|	4.14
29.250	0.00	0.13	0.559	O	|	|	|	|	4.13
29.333	0.00	0.13	0.558	O	|	|	|	|	4.13
29.417	0.00	0.13	0.557	O	|	|	|	|	4.13
29.500	0.00	0.13	0.557	O	|	|	|	|	4.13
29.583	0.00	0.13	0.556	O	|	|	|	|	4.12
29.667	0.00	0.13	0.555	O	|	|	|	|	4.12
29.750	0.00	0.13	0.554	O	|	|	|	|	4.12
29.833	0.00	0.13	0.553	O	|	|	|	|	4.12
29.917	0.00	0.13	0.552	O	|	|	|	|	4.11
30.000	0.00	0.13	0.551	O	|	|	|	|	4.11
30.083	0.00	0.13	0.550	O	|	|	|	|	4.11
30.167	0.00	0.13	0.549	O	|	|	|	|	4.11
30.250	0.00	0.13	0.548	O	|	|	|	|	4.10
30.333	0.00	0.13	0.548	O	|	|	|	|	4.10
30.417	0.00	0.13	0.547	O	|	|	|	|	4.10
30.500	0.00	0.13	0.546	O	|	|	|	|	4.10
30.583	0.00	0.13	0.545	O	|	|	|	|	4.10
30.667	0.00	0.13	0.544	O	|	|	|	|	4.09
30.750	0.00	0.13	0.543	O	|	|	|	|	4.09
30.833	0.00	0.13	0.542	O	|	|	|	|	4.09
30.917	0.00	0.13	0.541	O	|	|	|	|	4.09
31.000	0.00	0.13	0.540	O	|	|	|	|	4.08
31.083	0.00	0.13	0.540	O	|	|	|	|	4.08
31.167	0.00	0.13	0.539	O	|	|	|	|	4.08
31.250	0.00	0.13	0.538	O	|	|	|	|	4.08
31.333	0.00	0.13	0.537	O	|	|	|	|	4.07
31.417	0.00	0.13	0.536	O	|	|	|	|	4.07
31.500	0.00	0.13	0.535	O	|	|	|	|	4.07
31.583	0.00	0.13	0.534	O	|	|	|	|	4.07
31.667	0.00	0.13	0.533	O	|	|	|	|	4.06
31.750	0.00	0.13	0.532	O	|	|	|	|	4.06
31.833	0.00	0.13	0.531	O	|	|	|	|	4.06
31.917	0.00	0.13	0.531	O	|	|	|	|	4.06
32.000	0.00	0.13	0.530	O	|	|	|	|	4.05
32.083	0.00	0.13	0.529	O	|	|	|	|	4.05
32.167	0.00	0.13	0.528	O	|	|	|	|	4.05
32.250	0.00	0.13	0.527	O	|	|	|	|	4.05
32.333	0.00	0.13	0.526	O	|	|	|	|	4.04
32.417	0.00	0.13	0.525	O	|	|	|	|	4.04
32.500	0.00	0.13	0.524	O	|	|	|	|	4.04
32.583	0.00	0.13	0.523	O	|	|	|	|	4.04
32.667	0.00	0.13	0.522	O	|	|	|	|	4.03
32.750	0.00	0.13	0.522	O	|	|	|	|	4.03
32.833	0.00	0.13	0.521	O	|	|	|	|	4.03
32.917	0.00	0.13	0.520	O	|	|	|	|	4.03
33.000	0.00	0.13	0.519	O	|	|	|	|	4.02
33.083	0.00	0.13	0.518	O	|	|	|	|	4.02
33.167	0.00	0.13	0.517	O	|	|	|	|	4.02
33.250	0.00	0.13	0.516	O	|	|	|	|	4.02
33.333	0.00	0.13	0.515	O	|	|	|	|	4.01

33.417	0.00	0.13	0.514	O	|	|	|	|	4.01
33.500	0.00	0.13	0.514	O	|	|	|	|	4.01
33.583	0.00	0.13	0.513	O	|	|	|	|	4.01
33.667	0.00	0.13	0.512	O	|	|	|	|	4.00
33.750	0.00	0.13	0.511	O	|	|	|	|	4.00
33.833	0.00	0.13	0.510	O	|	|	|	|	4.00
33.917	0.00	0.13	0.509	O	|	|	|	|	4.00
34.000	0.00	0.13	0.508	O	|	|	|	|	3.99
34.083	0.00	0.13	0.507	O	|	|	|	|	3.99
34.167	0.00	0.13	0.506	O	|	|	|	|	3.99
34.250	0.00	0.13	0.505	O	|	|	|	|	3.98
34.333	0.00	0.13	0.505	O	|	|	|	|	3.98
34.417	0.00	0.13	0.504	O	|	|	|	|	3.98
34.500	0.00	0.13	0.503	O	|	|	|	|	3.98
34.583	0.00	0.13	0.502	O	|	|	|	|	3.97
34.667	0.00	0.13	0.501	O	|	|	|	|	3.97
34.750	0.00	0.13	0.500	O	|	|	|	|	3.97
34.833	0.00	0.13	0.499	O	|	|	|	|	3.96
34.917	0.00	0.13	0.498	O	|	|	|	|	3.96
35.000	0.00	0.13	0.497	O	|	|	|	|	3.96
35.083	0.00	0.13	0.497	O	|	|	|	|	3.96
35.167	0.00	0.13	0.496	O	|	|	|	|	3.95
35.250	0.00	0.13	0.495	O	|	|	|	|	3.95
35.333	0.00	0.13	0.494	O	|	|	|	|	3.95
35.417	0.00	0.13	0.493	O	|	|	|	|	3.94
35.500	0.00	0.13	0.492	O	|	|	|	|	3.94
35.583	0.00	0.13	0.491	O	|	|	|	|	3.94
35.667	0.00	0.13	0.490	O	|	|	|	|	3.93
35.750	0.00	0.13	0.489	O	|	|	|	|	3.93
35.833	0.00	0.13	0.488	O	|	|	|	|	3.93
35.917	0.00	0.13	0.488	O	|	|	|	|	3.93
36.000	0.00	0.13	0.487	O	|	|	|	|	3.92
36.083	0.00	0.13	0.486	O	|	|	|	|	3.92
36.167	0.00	0.13	0.485	O	|	|	|	|	3.92
36.250	0.00	0.13	0.484	O	|	|	|	|	3.91
36.333	0.00	0.13	0.483	O	|	|	|	|	3.91
36.417	0.00	0.13	0.482	O	|	|	|	|	3.91
36.500	0.00	0.13	0.481	O	|	|	|	|	3.90
36.583	0.00	0.13	0.480	O	|	|	|	|	3.90
36.667	0.00	0.13	0.480	O	|	|	|	|	3.90
36.750	0.00	0.13	0.479	O	|	|	|	|	3.90
36.833	0.00	0.13	0.478	O	|	|	|	|	3.89
36.917	0.00	0.13	0.477	O	|	|	|	|	3.89
37.000	0.00	0.13	0.476	O	|	|	|	|	3.89
37.083	0.00	0.13	0.475	O	|	|	|	|	3.88
37.167	0.00	0.13	0.474	O	|	|	|	|	3.88
37.250	0.00	0.13	0.473	O	|	|	|	|	3.88
37.333	0.00	0.13	0.472	O	|	|	|	|	3.87
37.417	0.00	0.13	0.471	O	|	|	|	|	3.87
37.500	0.00	0.13	0.471	O	|	|	|	|	3.87
37.583	0.00	0.13	0.470	O	|	|	|	|	3.87
37.667	0.00	0.13	0.469	O	|	|	|	|	3.86
37.750	0.00	0.13	0.468	O	|	|	|	|	3.86
37.833	0.00	0.13	0.467	O	|	|	|	|	3.86
37.917	0.00	0.13	0.466	O	|	|	|	|	3.85
38.000	0.00	0.13	0.465	O	|	|	|	|	3.85
38.083	0.00	0.13	0.464	O	|	|	|	|	3.85
38.167	0.00	0.13	0.463	O	|	|	|	|	3.84
38.250	0.00	0.13	0.463	O	|	|	|	|	3.84
38.333	0.00	0.13	0.462	O	|	|	|	|	3.84
38.417	0.00	0.13	0.461	O	|	|	|	|	3.84
38.500	0.00	0.13	0.460	O	|	|	|	|	3.83
38.583	0.00	0.13	0.459	O	|	|	|	|	3.83
38.667	0.00	0.13	0.458	O	|	|	|	|	3.83
38.750	0.00	0.13	0.457	O	|	|	|	|	3.82
38.833	0.00	0.13	0.456	O	|	|	|	|	3.82
38.917	0.00	0.13	0.455	O	|	|	|	|	3.82
39.000	0.00	0.13	0.454	O	|	|	|	|	3.81

39.083	0.00	0.13	0.454	O	|	|	|	|	3.81
39.167	0.00	0.13	0.453	O	|	|	|	|	3.81
39.250	0.00	0.13	0.452	O	|	|	|	|	3.81
39.333	0.00	0.13	0.451	O	|	|	|	|	3.80
39.417	0.00	0.13	0.450	O	|	|	|	|	3.80
39.500	0.00	0.13	0.449	O	|	|	|	|	3.80
39.583	0.00	0.13	0.448	O	|	|	|	|	3.79
39.667	0.00	0.13	0.447	O	|	|	|	|	3.79
39.750	0.00	0.13	0.446	O	|	|	|	|	3.79
39.833	0.00	0.13	0.446	O	|	|	|	|	3.79
39.917	0.00	0.13	0.445	O	|	|	|	|	3.78
40.000	0.00	0.13	0.444	O	|	|	|	|	3.78
40.083	0.00	0.13	0.443	O	|	|	|	|	3.78
40.167	0.00	0.13	0.442	O	|	|	|	|	3.77
40.250	0.00	0.13	0.441	O	|	|	|	|	3.77
40.333	0.00	0.13	0.440	O	|	|	|	|	3.77
40.417	0.00	0.13	0.439	O	|	|	|	|	3.76
40.500	0.00	0.13	0.438	O	|	|	|	|	3.76
40.583	0.00	0.13	0.437	O	|	|	|	|	3.76
40.667	0.00	0.13	0.437	O	|	|	|	|	3.76
40.750	0.00	0.13	0.436	O	|	|	|	|	3.75
40.833	0.00	0.13	0.435	O	|	|	|	|	3.75
40.917	0.00	0.13	0.434	O	|	|	|	|	3.75
41.000	0.00	0.13	0.433	O	|	|	|	|	3.74
41.083	0.00	0.13	0.432	O	|	|	|	|	3.74
41.167	0.00	0.13	0.431	O	|	|	|	|	3.74
41.250	0.00	0.13	0.430	O	|	|	|	|	3.73
41.333	0.00	0.13	0.429	O	|	|	|	|	3.73
41.417	0.00	0.13	0.428	O	|	|	|	|	3.73
41.500	0.00	0.13	0.428	O	|	|	|	|	3.73
41.583	0.00	0.13	0.427	O	|	|	|	|	3.72
41.667	0.00	0.13	0.426	O	|	|	|	|	3.72
41.750	0.00	0.13	0.425	O	|	|	|	|	3.72
41.833	0.00	0.13	0.424	O	|	|	|	|	3.71
41.917	0.00	0.13	0.423	O	|	|	|	|	3.71
42.000	0.00	0.13	0.422	O	|	|	|	|	3.71
42.083	0.00	0.13	0.421	O	|	|	|	|	3.70
42.167	0.00	0.13	0.420	O	|	|	|	|	3.70
42.250	0.00	0.13	0.420	O	|	|	|	|	3.70
42.333	0.00	0.13	0.419	O	|	|	|	|	3.69
42.417	0.00	0.13	0.418	O	|	|	|	|	3.69
42.500	0.00	0.13	0.417	O	|	|	|	|	3.69
42.583	0.00	0.13	0.416	O	|	|	|	|	3.68
42.667	0.00	0.13	0.415	O	|	|	|	|	3.68
42.750	0.00	0.13	0.414	O	|	|	|	|	3.68
42.833	0.00	0.13	0.413	O	|	|	|	|	3.67
42.917	0.00	0.13	0.412	O	|	|	|	|	3.67
43.000	0.00	0.13	0.411	O	|	|	|	|	3.67
43.083	0.00	0.13	0.411	O	|	|	|	|	3.66
43.167	0.00	0.13	0.410	O	|	|	|	|	3.66
43.250	0.00	0.13	0.409	O	|	|	|	|	3.66
43.333	0.00	0.13	0.408	O	|	|	|	|	3.65
43.417	0.00	0.13	0.407	O	|	|	|	|	3.65
43.500	0.00	0.13	0.406	O	|	|	|	|	3.64
43.583	0.00	0.13	0.405	O	|	|	|	|	3.64
43.667	0.00	0.13	0.404	O	|	|	|	|	3.64
43.750	0.00	0.13	0.403	O	|	|	|	|	3.63
43.833	0.00	0.13	0.403	O	|	|	|	|	3.63
43.917	0.00	0.13	0.402	O	|	|	|	|	3.63
44.000	0.00	0.13	0.401	O	|	|	|	|	3.62
44.083	0.00	0.13	0.400	O	|	|	|	|	3.62
44.167	0.00	0.13	0.399	O	|	|	|	|	3.62
44.250	0.00	0.13	0.398	O	|	|	|	|	3.61
44.333	0.00	0.13	0.397	O	|	|	|	|	3.61
44.417	0.00	0.13	0.396	O	|	|	|	|	3.61
44.500	0.00	0.13	0.395	O	|	|	|	|	3.60
44.583	0.00	0.13	0.394	O	|	|	|	|	3.60
44.667	0.00	0.13	0.394	O	|	|	|	|	3.59

44.750	0.00	0.13	0.393	O	|	|	|	|	3.59
44.833	0.00	0.13	0.392	O	|	|	|	|	3.59
44.917	0.00	0.13	0.391	O	|	|	|	|	3.58
45.000	0.00	0.13	0.390	O	|	|	|	|	3.58
45.083	0.00	0.13	0.389	O	|	|	|	|	3.58
45.167	0.00	0.13	0.388	O	|	|	|	|	3.57
45.250	0.00	0.13	0.387	O	|	|	|	|	3.57
45.333	0.00	0.13	0.386	O	|	|	|	|	3.57
45.417	0.00	0.13	0.386	O	|	|	|	|	3.56
45.500	0.00	0.13	0.385	O	|	|	|	|	3.56
45.583	0.00	0.13	0.384	O	|	|	|	|	3.55
45.667	0.00	0.13	0.383	O	|	|	|	|	3.55
45.750	0.00	0.13	0.382	O	|	|	|	|	3.55
45.833	0.00	0.13	0.381	O	|	|	|	|	3.54
45.917	0.00	0.13	0.380	O	|	|	|	|	3.54
46.000	0.00	0.13	0.379	O	|	|	|	|	3.54
46.083	0.00	0.13	0.378	O	|	|	|	|	3.53
46.167	0.00	0.13	0.377	O	|	|	|	|	3.53
46.250	0.00	0.13	0.377	O	|	|	|	|	3.53
46.333	0.00	0.13	0.376	O	|	|	|	|	3.52
46.417	0.00	0.13	0.375	O	|	|	|	|	3.52
46.500	0.00	0.13	0.374	O	|	|	|	|	3.52
46.583	0.00	0.13	0.373	O	|	|	|	|	3.51
46.667	0.00	0.13	0.372	O	|	|	|	|	3.51
46.750	0.00	0.13	0.371	O	|	|	|	|	3.50
46.833	0.00	0.13	0.370	O	|	|	|	|	3.50
46.917	0.00	0.13	0.369	O	|	|	|	|	3.50
47.000	0.00	0.13	0.369	O	|	|	|	|	3.49
47.083	0.00	0.13	0.368	O	|	|	|	|	3.49
47.167	0.00	0.13	0.367	O	|	|	|	|	3.49
47.250	0.00	0.13	0.366	O	|	|	|	|	3.48
47.333	0.00	0.13	0.365	O	|	|	|	|	3.48
47.417	0.00	0.13	0.364	O	|	|	|	|	3.48
47.500	0.00	0.13	0.363	O	|	|	|	|	3.47
47.583	0.00	0.13	0.362	O	|	|	|	|	3.47
47.667	0.00	0.13	0.361	O	|	|	|	|	3.47
47.750	0.00	0.13	0.360	O	|	|	|	|	3.46
47.833	0.00	0.13	0.360	O	|	|	|	|	3.46
47.917	0.00	0.13	0.359	O	|	|	|	|	3.45
48.000	0.00	0.13	0.358	O	|	|	|	|	3.45
48.083	0.00	0.13	0.357	O	|	|	|	|	3.45
48.167	0.00	0.13	0.356	O	|	|	|	|	3.44
48.250	0.00	0.13	0.355	O	|	|	|	|	3.44
48.333	0.00	0.13	0.354	O	|	|	|	|	3.44
48.417	0.00	0.13	0.353	O	|	|	|	|	3.43
48.500	0.00	0.13	0.352	O	|	|	|	|	3.43
48.583	0.00	0.13	0.351	O	|	|	|	|	3.43
48.667	0.00	0.13	0.351	O	|	|	|	|	3.42
48.750	0.00	0.13	0.350	O	|	|	|	|	3.42
48.833	0.00	0.13	0.349	O	|	|	|	|	3.42
48.917	0.00	0.13	0.348	O	|	|	|	|	3.41
49.000	0.00	0.13	0.347	O	|	|	|	|	3.41
49.083	0.00	0.13	0.346	O	|	|	|	|	3.40
49.167	0.00	0.13	0.345	O	|	|	|	|	3.40
49.250	0.00	0.13	0.344	O	|	|	|	|	3.40
49.333	0.00	0.13	0.343	O	|	|	|	|	3.39
49.417	0.00	0.13	0.343	O	|	|	|	|	3.39
49.500	0.00	0.13	0.342	O	|	|	|	|	3.39
49.583	0.00	0.13	0.341	O	|	|	|	|	3.38
49.667	0.00	0.13	0.340	O	|	|	|	|	3.38
49.750	0.00	0.13	0.339	O	|	|	|	|	3.38
49.833	0.00	0.13	0.338	O	|	|	|	|	3.37
49.917	0.00	0.13	0.337	O	|	|	|	|	3.37
50.000	0.00	0.13	0.336	O	|	|	|	|	3.37
50.083	0.00	0.13	0.335	O	|	|	|	|	3.36
50.167	0.00	0.13	0.334	O	|	|	|	|	3.36
50.250	0.00	0.13	0.334	O	|	|	|	|	3.35
50.333	0.00	0.13	0.333	O	|	|	|	|	3.35

50.417	0.00	0.13	0.332	O	|	|	|	|	3.35
50.500	0.00	0.13	0.331	O	|	|	|	|	3.34
50.583	0.00	0.13	0.330	O	|	|	|	|	3.34
50.667	0.00	0.13	0.329	O	|	|	|	|	3.34
50.750	0.00	0.13	0.328	O	|	|	|	|	3.33
50.833	0.00	0.13	0.327	O	|	|	|	|	3.33
50.917	0.00	0.13	0.326	O	|	|	|	|	3.33
51.000	0.00	0.13	0.326	O	|	|	|	|	3.32
51.083	0.00	0.13	0.325	O	|	|	|	|	3.32
51.167	0.00	0.13	0.324	O	|	|	|	|	3.31
51.250	0.00	0.13	0.323	O	|	|	|	|	3.31
51.333	0.00	0.13	0.322	O	|	|	|	|	3.31
51.417	0.00	0.13	0.321	O	|	|	|	|	3.30
51.500	0.00	0.13	0.320	O	|	|	|	|	3.30
51.583	0.00	0.13	0.319	O	|	|	|	|	3.30
51.667	0.00	0.13	0.318	O	|	|	|	|	3.29
51.750	0.00	0.13	0.317	O	|	|	|	|	3.29
51.833	0.00	0.13	0.317	O	|	|	|	|	3.29
51.917	0.00	0.13	0.316	O	|	|	|	|	3.29
52.000	0.00	0.13	0.315	O	|	|	|	|	3.28
52.083	0.00	0.13	0.314	O	|	|	|	|	3.28
52.167	0.00	0.13	0.313	O	|	|	|	|	3.28
52.250	0.00	0.13	0.312	O	|	|	|	|	3.27
52.333	0.00	0.13	0.311	O	|	|	|	|	3.27
52.417	0.00	0.13	0.310	O	|	|	|	|	3.27
52.500	0.00	0.13	0.309	O	|	|	|	|	3.26
52.583	0.00	0.13	0.309	O	|	|	|	|	3.26
52.667	0.00	0.13	0.308	O	|	|	|	|	3.26
52.750	0.00	0.13	0.307	O	|	|	|	|	3.26
52.833	0.00	0.13	0.306	O	|	|	|	|	3.25
52.917	0.00	0.13	0.305	O	|	|	|	|	3.25
53.000	0.00	0.13	0.304	O	|	|	|	|	3.25
53.083	0.00	0.13	0.303	O	|	|	|	|	3.24
53.167	0.00	0.13	0.302	O	|	|	|	|	3.24
53.250	0.00	0.13	0.301	O	|	|	|	|	3.24
53.333	0.00	0.13	0.300	O	|	|	|	|	3.23
53.417	0.00	0.13	0.300	O	|	|	|	|	3.23
53.500	0.00	0.13	0.299	O	|	|	|	|	3.23
53.583	0.00	0.13	0.298	O	|	|	|	|	3.23
53.667	0.00	0.13	0.297	O	|	|	|	|	3.22
53.750	0.00	0.13	0.296	O	|	|	|	|	3.22
53.833	0.00	0.13	0.295	O	|	|	|	|	3.22
53.917	0.00	0.13	0.294	O	|	|	|	|	3.21
54.000	0.00	0.13	0.293	O	|	|	|	|	3.21
54.083	0.00	0.13	0.292	O	|	|	|	|	3.21
54.167	0.00	0.13	0.292	O	|	|	|	|	3.21
54.250	0.00	0.13	0.291	O	|	|	|	|	3.20
54.333	0.00	0.13	0.290	O	|	|	|	|	3.20
54.417	0.00	0.13	0.289	O	|	|	|	|	3.20
54.500	0.00	0.13	0.288	O	|	|	|	|	3.19
54.583	0.00	0.13	0.287	O	|	|	|	|	3.19
54.667	0.00	0.13	0.286	O	|	|	|	|	3.19
54.750	0.00	0.13	0.285	O	|	|	|	|	3.18
54.833	0.00	0.13	0.284	O	|	|	|	|	3.18
54.917	0.00	0.13	0.283	O	|	|	|	|	3.18
55.000	0.00	0.13	0.283	O	|	|	|	|	3.18
55.083	0.00	0.13	0.282	O	|	|	|	|	3.17
55.167	0.00	0.13	0.281	O	|	|	|	|	3.17
55.250	0.00	0.13	0.280	O	|	|	|	|	3.17
55.333	0.00	0.13	0.279	O	|	|	|	|	3.16
55.417	0.00	0.13	0.278	O	|	|	|	|	3.16
55.500	0.00	0.13	0.277	O	|	|	|	|	3.16
55.583	0.00	0.13	0.276	O	|	|	|	|	3.15
55.667	0.00	0.13	0.275	O	|	|	|	|	3.15
55.750	0.00	0.13	0.274	O	|	|	|	|	3.15
55.833	0.00	0.13	0.274	O	|	|	|	|	3.15
55.917	0.00	0.13	0.273	O	|	|	|	|	3.14
56.000	0.00	0.13	0.272	O	|	|	|	|	3.14

56.083	0.00	0.13	0.271	O	|	|	|	|	3.14
56.167	0.00	0.13	0.270	O	|	|	|	|	3.13
56.250	0.00	0.13	0.269	O	|	|	|	|	3.13
56.333	0.00	0.13	0.268	O	|	|	|	|	3.13
56.417	0.00	0.13	0.267	O	|	|	|	|	3.12
56.500	0.00	0.13	0.266	O	|	|	|	|	3.12
56.583	0.00	0.13	0.266	O	|	|	|	|	3.12
56.667	0.00	0.13	0.265	O	|	|	|	|	3.12
56.750	0.00	0.13	0.264	O	|	|	|	|	3.11
56.833	0.00	0.13	0.263	O	|	|	|	|	3.11
56.917	0.00	0.13	0.262	O	|	|	|	|	3.11
57.000	0.00	0.13	0.261	O	|	|	|	|	3.10
57.083	0.00	0.13	0.260	O	|	|	|	|	3.10
57.167	0.00	0.13	0.259	O	|	|	|	|	3.10
57.250	0.00	0.13	0.258	O	|	|	|	|	3.09
57.333	0.00	0.13	0.257	O	|	|	|	|	3.09
57.417	0.00	0.13	0.257	O	|	|	|	|	3.09
57.500	0.00	0.13	0.256	O	|	|	|	|	3.09
57.583	0.00	0.13	0.255	O	|	|	|	|	3.08
57.667	0.00	0.13	0.254	O	|	|	|	|	3.08
57.750	0.00	0.13	0.253	O	|	|	|	|	3.08
57.833	0.00	0.13	0.252	O	|	|	|	|	3.07
57.917	0.00	0.13	0.251	O	|	|	|	|	3.07
58.000	0.00	0.13	0.250	O	|	|	|	|	3.07
58.083	0.00	0.13	0.249	O	|	|	|	|	3.06
58.167	0.00	0.13	0.249	O	|	|	|	|	3.06
58.250	0.00	0.13	0.248	O	|	|	|	|	3.06
58.333	0.00	0.13	0.247	O	|	|	|	|	3.06
58.417	0.00	0.13	0.246	O	|	|	|	|	3.05
58.500	0.00	0.13	0.245	O	|	|	|	|	3.05
58.583	0.00	0.13	0.244	O	|	|	|	|	3.05
58.667	0.00	0.13	0.243	O	|	|	|	|	3.04
58.750	0.00	0.13	0.242	O	|	|	|	|	3.04
58.833	0.00	0.13	0.241	O	|	|	|	|	3.04
58.917	0.00	0.13	0.240	O	|	|	|	|	3.03
59.000	0.00	0.13	0.240	O	|	|	|	|	3.03
59.083	0.00	0.13	0.239	O	|	|	|	|	3.03
59.167	0.00	0.13	0.238	O	|	|	|	|	3.03
59.250	0.00	0.13	0.237	O	|	|	|	|	3.02
59.333	0.00	0.13	0.236	O	|	|	|	|	3.02
59.417	0.00	0.13	0.235	O	|	|	|	|	3.02
59.500	0.00	0.13	0.234	O	|	|	|	|	3.01
59.583	0.00	0.13	0.233	O	|	|	|	|	3.01
59.667	0.00	0.13	0.232	O	|	|	|	|	3.01
59.750	0.00	0.13	0.232	O	|	|	|	|	3.01
59.833	0.00	0.13	0.231	O	|	|	|	|	3.00
59.917	0.00	0.13	0.230	O	|	|	|	|	3.00
60.000	0.00	0.13	0.229	O	|	|	|	|	2.99
60.083	0.00	0.13	0.228	O	|	|	|	|	2.98
60.167	0.00	0.13	0.227	O	|	|	|	|	2.97
60.250	0.00	0.13	0.226	O	|	|	|	|	2.96
60.333	0.00	0.13	0.225	O	|	|	|	|	2.95
60.417	0.00	0.13	0.224	O	|	|	|	|	2.94
60.500	0.00	0.13	0.223	O	|	|	|	|	2.93
60.583	0.00	0.13	0.223	O	|	|	|	|	2.93
60.667	0.00	0.13	0.222	O	|	|	|	|	2.92
60.750	0.00	0.13	0.221	O	|	|	|	|	2.91
60.833	0.00	0.13	0.220	O	|	|	|	|	2.90
60.917	0.00	0.13	0.219	O	|	|	|	|	2.89
61.000	0.00	0.13	0.218	O	|	|	|	|	2.88
61.083	0.00	0.13	0.217	O	|	|	|	|	2.87
61.167	0.00	0.13	0.216	O	|	|	|	|	2.86
61.250	0.00	0.13	0.215	O	|	|	|	|	2.85
61.333	0.00	0.13	0.215	O	|	|	|	|	2.85
61.417	0.00	0.13	0.214	O	|	|	|	|	2.84
61.500	0.00	0.13	0.213	O	|	|	|	|	2.83
61.583	0.00	0.13	0.212	O	|	|	|	|	2.82
61.667	0.00	0.13	0.211	O	|	|	|	|	2.81

61.750	0.00	0.13	0.210	O	|	|	|	|	2.80
61.833	0.00	0.13	0.209	O	|	|	|	|	2.79
61.917	0.00	0.13	0.208	O	|	|	|	|	2.78
62.000	0.00	0.13	0.207	O	|	|	|	|	2.77
62.083	0.00	0.13	0.206	O	|	|	|	|	2.76
62.167	0.00	0.13	0.206	O	|	|	|	|	2.76
62.250	0.00	0.13	0.205	O	|	|	|	|	2.75
62.333	0.00	0.13	0.204	O	|	|	|	|	2.74
62.417	0.00	0.13	0.203	O	|	|	|	|	2.73
62.500	0.00	0.13	0.202	O	|	|	|	|	2.72
62.583	0.00	0.13	0.201	O	|	|	|	|	2.71
62.667	0.00	0.13	0.200	O	|	|	|	|	2.70
62.750	0.00	0.13	0.199	O	|	|	|	|	2.69
62.833	0.00	0.13	0.198	O	|	|	|	|	2.67
62.917	0.00	0.13	0.197	O	|	|	|	|	2.65
63.000	0.00	0.13	0.197	O	|	|	|	|	2.63
63.083	0.00	0.13	0.196	O	|	|	|	|	2.61
63.167	0.00	0.13	0.195	O	|	|	|	|	2.60
63.250	0.00	0.13	0.194	O	|	|	|	|	2.58
63.333	0.00	0.13	0.193	O	|	|	|	|	2.56
63.417	0.00	0.13	0.192	O	|	|	|	|	2.54
63.500	0.00	0.13	0.191	O	|	|	|	|	2.52
63.583	0.00	0.13	0.190	O	|	|	|	|	2.51
63.667	0.00	0.13	0.189	O	|	|	|	|	2.49
63.750	0.00	0.13	0.189	O	|	|	|	|	2.47
63.833	0.00	0.13	0.188	O	|	|	|	|	2.45
63.917	0.00	0.13	0.187	O	|	|	|	|	2.44
64.000	0.00	0.13	0.186	O	|	|	|	|	2.42
64.083	0.00	0.13	0.185	O	|	|	|	|	2.40
64.167	0.00	0.13	0.184	O	|	|	|	|	2.38
64.250	0.00	0.13	0.183	O	|	|	|	|	2.36
64.333	0.00	0.13	0.182	O	|	|	|	|	2.35
64.417	0.00	0.13	0.181	O	|	|	|	|	2.33
64.500	0.00	0.13	0.180	O	|	|	|	|	2.31
64.583	0.00	0.13	0.180	O	|	|	|	|	2.30
64.667	0.00	0.13	0.179	O	|	|	|	|	2.29
64.750	0.00	0.13	0.178	O	|	|	|	|	2.28
64.833	0.00	0.13	0.177	O	|	|	|	|	2.27
64.917	0.00	0.13	0.176	O	|	|	|	|	2.26
65.000	0.00	0.13	0.175	O	|	|	|	|	2.25
65.083	0.00	0.13	0.174	O	|	|	|	|	2.24
65.167	0.00	0.13	0.173	O	|	|	|	|	2.23
65.250	0.00	0.13	0.172	O	|	|	|	|	2.22
65.333	0.00	0.13	0.172	O	|	|	|	|	2.22
65.417	0.00	0.13	0.171	O	|	|	|	|	2.21
65.500	0.00	0.13	0.170	O	|	|	|	|	2.20
65.583	0.00	0.13	0.169	O	|	|	|	|	2.19
65.667	0.00	0.13	0.168	O	|	|	|	|	2.18
65.750	0.00	0.13	0.167	O	|	|	|	|	2.17
65.833	0.00	0.13	0.166	O	|	|	|	|	2.16
65.917	0.00	0.13	0.165	O	|	|	|	|	2.15
66.000	0.00	0.13	0.164	O	|	|	|	|	2.14
66.083	0.00	0.13	0.163	O	|	|	|	|	2.13
66.167	0.00	0.13	0.163	O	|	|	|	|	2.13
66.250	0.00	0.13	0.162	O	|	|	|	|	2.12
66.333	0.00	0.13	0.161	O	|	|	|	|	2.11
66.417	0.00	0.13	0.160	O	|	|	|	|	2.10
66.500	0.00	0.13	0.159	O	|	|	|	|	2.09
66.583	0.00	0.13	0.158	O	|	|	|	|	2.08
66.667	0.00	0.13	0.157	O	|	|	|	|	2.07
66.750	0.00	0.13	0.156	O	|	|	|	|	2.06
66.833	0.00	0.13	0.155	O	|	|	|	|	2.05
66.917	0.00	0.13	0.155	O	|	|	|	|	2.05
67.000	0.00	0.13	0.154	O	|	|	|	|	2.04
67.083	0.00	0.13	0.153	O	|	|	|	|	2.03
67.167	0.00	0.13	0.152	O	|	|	|	|	2.02
67.250	0.00	0.13	0.151	O	|	|	|	|	2.01
67.333	0.00	0.13	0.150	O	|	|	|	|	2.00

67.417	0.00	0.13	0.149	O	|	|	|	|	1.99
67.500	0.00	0.13	0.148	O	|	|	|	|	1.97
67.583	0.00	0.13	0.147	O	|	|	|	|	1.96
67.667	0.00	0.13	0.146	O	|	|	|	|	1.95
67.750	0.00	0.13	0.146	O	|	|	|	|	1.93
67.833	0.00	0.13	0.145	O	|	|	|	|	1.92
67.917	0.00	0.13	0.144	O	|	|	|	|	1.91
68.000	0.00	0.13	0.143	O	|	|	|	|	1.89
68.083	0.00	0.13	0.142	O	|	|	|	|	1.88
68.167	0.00	0.13	0.141	O	|	|	|	|	1.87
68.250	0.00	0.13	0.140	O	|	|	|	|	1.85
68.333	0.00	0.13	0.139	O	|	|	|	|	1.84
68.417	0.00	0.13	0.138	O	|	|	|	|	1.83
68.500	0.00	0.13	0.138	O	|	|	|	|	1.81
68.583	0.00	0.13	0.137	O	|	|	|	|	1.80
68.667	0.00	0.13	0.136	O	|	|	|	|	1.79
68.750	0.00	0.13	0.135	O	|	|	|	|	1.77
68.833	0.00	0.13	0.134	O	|	|	|	|	1.76
68.917	0.00	0.13	0.133	O	|	|	|	|	1.75
69.000	0.00	0.13	0.132	O	|	|	|	|	1.73
69.083	0.00	0.13	0.131	O	|	|	|	|	1.72
69.167	0.00	0.13	0.130	O	|	|	|	|	1.71
69.250	0.00	0.13	0.129	O	|	|	|	|	1.69
69.333	0.00	0.13	0.129	O	|	|	|	|	1.68
69.417	0.00	0.13	0.128	O	|	|	|	|	1.67
69.500	0.00	0.13	0.127	O	|	|	|	|	1.66
69.583	0.00	0.13	0.126	O	|	|	|	|	1.64
69.667	0.00	0.13	0.125	O	|	|	|	|	1.63
69.750	0.00	0.13	0.124	O	|	|	|	|	1.62
69.833	0.00	0.13	0.123	O	|	|	|	|	1.61
69.917	0.00	0.13	0.122	O	|	|	|	|	1.60
70.000	0.00	0.13	0.121	O	|	|	|	|	1.59
70.083	0.00	0.13	0.121	O	|	|	|	|	1.57
70.167	0.00	0.13	0.120	O	|	|	|	|	1.56
70.250	0.00	0.13	0.119	O	|	|	|	|	1.55
70.333	0.00	0.13	0.118	O	|	|	|	|	1.54
70.417	0.00	0.13	0.117	O	|	|	|	|	1.53
70.500	0.00	0.13	0.116	O	|	|	|	|	1.51
70.583	0.00	0.13	0.115	O	|	|	|	|	1.50
70.667	0.00	0.13	0.114	O	|	|	|	|	1.49
70.750	0.00	0.13	0.113	O	|	|	|	|	1.48
70.833	0.00	0.13	0.112	O	|	|	|	|	1.47
70.917	0.00	0.13	0.112	O	|	|	|	|	1.45
71.000	0.00	0.13	0.111	O	|	|	|	|	1.44
71.083	0.00	0.13	0.110	O	|	|	|	|	1.43
71.167	0.00	0.13	0.109	O	|	|	|	|	1.42
71.250	0.00	0.13	0.108	O	|	|	|	|	1.41
71.333	0.00	0.13	0.107	O	|	|	|	|	1.39
71.417	0.00	0.13	0.106	O	|	|	|	|	1.38
71.500	0.00	0.13	0.105	O	|	|	|	|	1.37
71.583	0.00	0.13	0.104	O	|	|	|	|	1.36
71.667	0.00	0.13	0.103	O	|	|	|	|	1.35
71.750	0.00	0.13	0.103	O	|	|	|	|	1.33
71.833	0.00	0.13	0.102	O	|	|	|	|	1.32
71.917	0.00	0.13	0.101	O	|	|	|	|	1.31
72.000	0.00	0.13	0.100	O	|	|	|	|	1.30
72.083	0.00	0.13	0.099	O	|	|	|	|	1.29
72.167	0.00	0.13	0.098	O	|	|	|	|	1.27
72.250	0.00	0.13	0.097	O	|	|	|	|	1.26
72.333	0.00	0.13	0.096	O	|	|	|	|	1.24
72.417	0.00	0.13	0.095	O	|	|	|	|	1.23
72.500	0.00	0.13	0.095	O	|	|	|	|	1.22
72.583	0.00	0.13	0.094	O	|	|	|	|	1.20
72.667	0.00	0.13	0.093	O	|	|	|	|	1.19
72.750	0.00	0.13	0.092	O	|	|	|	|	1.18
72.833	0.00	0.13	0.091	O	|	|	|	|	1.16
72.917	0.00	0.13	0.090	O	|	|	|	|	1.15
73.000	0.00	0.13	0.089	O	|	|	|	|	1.14

73.083	0.00	0.13	0.088	O	|	|	|	|	1.12
73.167	0.00	0.13	0.087	O	|	|	|	|	1.11
73.250	0.00	0.13	0.086	O	|	|	|	|	1.10
73.333	0.00	0.13	0.086	O	|	|	|	|	1.08
73.417	0.00	0.13	0.085	O	|	|	|	|	1.07
73.500	0.00	0.13	0.084	O	|	|	|	|	1.06
73.583	0.00	0.13	0.083	O	|	|	|	|	1.04
73.667	0.00	0.13	0.082	O	|	|	|	|	1.03
73.750	0.00	0.13	0.081	O	|	|	|	|	1.02
73.833	0.00	0.13	0.080	O	|	|	|	|	1.00
73.917	0.00	0.13	0.079	O	|	|	|	|	0.99
74.000	0.00	0.13	0.078	O	|	|	|	|	0.98
74.083	0.00	0.13	0.078	O	|	|	|	|	0.97
74.167	0.00	0.12	0.077	O	|	|	|	|	0.96
74.250	0.00	0.12	0.076	O	|	|	|	|	0.95
74.333	0.00	0.12	0.075	O	|	|	|	|	0.94
74.417	0.00	0.12	0.074	O	|	|	|	|	0.93
74.500	0.00	0.12	0.073	O	|	|	|	|	0.92
74.583	0.00	0.12	0.073	O	|	|	|	|	0.91
74.667	0.00	0.12	0.072	O	|	|	|	|	0.90
74.750	0.00	0.12	0.071	O	|	|	|	|	0.89
74.833	0.00	0.11	0.070	O	|	|	|	|	0.88
74.917	0.00	0.11	0.069	O	|	|	|	|	0.87
75.000	0.00	0.11	0.069	O	|	|	|	|	0.86
75.083	0.00	0.11	0.068	O	|	|	|	|	0.85
75.167	0.00	0.11	0.067	O	|	|	|	|	0.84
75.250	0.00	0.11	0.066	O	|	|	|	|	0.83
75.333	0.00	0.11	0.066	O	|	|	|	|	0.82
75.417	0.00	0.11	0.065	O	|	|	|	|	0.81
75.500	0.00	0.10	0.064	O	|	|	|	|	0.80
75.583	0.00	0.10	0.063	O	|	|	|	|	0.79
75.667	0.00	0.10	0.063	O	|	|	|	|	0.78
75.750	0.00	0.10	0.062	O	|	|	|	|	0.78
75.833	0.00	0.10	0.061	O	|	|	|	|	0.77
75.917	0.00	0.10	0.061	O	|	|	|	|	0.76
76.000	0.00	0.10	0.060	O	|	|	|	|	0.75
76.083	0.00	0.10	0.059	O	|	|	|	|	0.74
76.167	0.00	0.10	0.059	O	|	|	|	|	0.73
76.250	0.00	0.09	0.058	O	|	|	|	|	0.72
76.333	0.00	0.09	0.057	O	|	|	|	|	0.72
76.417	0.00	0.09	0.057	O	|	|	|	|	0.71
76.500	0.00	0.09	0.056	O	|	|	|	|	0.70
76.583	0.00	0.09	0.055	O	|	|	|	|	0.69
76.667	0.00	0.09	0.055	O	|	|	|	|	0.69
76.750	0.00	0.09	0.054	O	|	|	|	|	0.68
76.833	0.00	0.09	0.054	O	|	|	|	|	0.67
76.917	0.00	0.09	0.053	O	|	|	|	|	0.66
77.000	0.00	0.09	0.052	O	|	|	|	|	0.66
77.083	0.00	0.08	0.052	O	|	|	|	|	0.65
77.167	0.00	0.08	0.051	O	|	|	|	|	0.64
77.250	0.00	0.08	0.051	O	|	|	|	|	0.63
77.333	0.00	0.08	0.050	O	|	|	|	|	0.63
77.417	0.00	0.08	0.050	O	|	|	|	|	0.62
77.500	0.00	0.08	0.049	O	|	|	|	|	0.61
77.583	0.00	0.08	0.048	O	|	|	|	|	0.61
77.667	0.00	0.08	0.048	O	|	|	|	|	0.60
77.750	0.00	0.08	0.047	O	|	|	|	|	0.59
77.833	0.00	0.08	0.047	O	|	|	|	|	0.59
77.917	0.00	0.08	0.046	O	|	|	|	|	0.58
78.000	0.00	0.07	0.046	O	|	|	|	|	0.57
78.083	0.00	0.07	0.045	O	|	|	|	|	0.57
78.167	0.00	0.07	0.045	O	|	|	|	|	0.56
78.250	0.00	0.07	0.044	O	|	|	|	|	0.55
78.333	0.00	0.07	0.044	O	|	|	|	|	0.55
78.417	0.00	0.07	0.043	O	|	|	|	|	0.54
78.500	0.00	0.07	0.043	O	|	|	|	|	0.54
78.583	0.00	0.07	0.042	O	|	|	|	|	0.53
78.667	0.00	0.07	0.042	O	|	|	|	|	0.52

78.750	0.00	0.07	0.041	O	|	|	|	|	0.52
78.833	0.00	0.07	0.041	O	|	|	|	|	0.51
78.917	0.00	0.07	0.041	O	|	|	|	|	0.51
79.000	0.00	0.07	0.040	O	|	|	|	|	0.50
79.083	0.00	0.06	0.040	O	|	|	|	|	0.50
79.167	0.00	0.06	0.039	O	|	|	|	|	0.49
79.250	0.00	0.06	0.039	O	|	|	|	|	0.48
79.333	0.00	0.06	0.038	O	|	|	|	|	0.48
79.417	0.00	0.06	0.038	O	|	|	|	|	0.47
79.500	0.00	0.06	0.037	O	|	|	|	|	0.47
79.583	0.00	0.06	0.037	O	|	|	|	|	0.46
79.667	0.00	0.06	0.037	O	|	|	|	|	0.46
79.750	0.00	0.06	0.036	O	|	|	|	|	0.45
79.833	0.00	0.06	0.036	O	|	|	|	|	0.45
79.917	0.00	0.06	0.035	O	|	|	|	|	0.44
80.000	0.00	0.06	0.035	O	|	|	|	|	0.44
80.083	0.00	0.06	0.035	O	|	|	|	|	0.43
80.167	0.00	0.06	0.034	O	|	|	|	|	0.43
80.250	0.00	0.06	0.034	O	|	|	|	|	0.42
80.333	0.00	0.05	0.034	O	|	|	|	|	0.42
80.417	0.00	0.05	0.033	O	|	|	|	|	0.41
80.500	0.00	0.05	0.033	O	|	|	|	|	0.41
80.583	0.00	0.05	0.032	O	|	|	|	|	0.41
80.667	0.00	0.05	0.032	O	|	|	|	|	0.40
80.750	0.00	0.05	0.032	O	|	|	|	|	0.40
80.833	0.00	0.05	0.031	O	|	|	|	|	0.39
80.917	0.00	0.05	0.031	O	|	|	|	|	0.39
81.000	0.00	0.05	0.031	O	|	|	|	|	0.38
81.083	0.00	0.05	0.030	O	|	|	|	|	0.38
81.167	0.00	0.05	0.030	O	|	|	|	|	0.37
81.250	0.00	0.05	0.030	O	|	|	|	|	0.37
81.333	0.00	0.05	0.029	O	|	|	|	|	0.37
81.417	0.00	0.05	0.029	O	|	|	|	|	0.36
81.500	0.00	0.05	0.029	O	|	|	|	|	0.36
81.583	0.00	0.05	0.028	O	|	|	|	|	0.35
81.667	0.00	0.05	0.028	O	|	|	|	|	0.35
81.750	0.00	0.05	0.028	O	|	|	|	|	0.35
81.833	0.00	0.04	0.027	O	|	|	|	|	0.34
81.917	0.00	0.04	0.027	O	|	|	|	|	0.34
82.000	0.00	0.04	0.027	O	|	|	|	|	0.33
82.083	0.00	0.04	0.026	O	|	|	|	|	0.33
82.167	0.00	0.04	0.026	O	|	|	|	|	0.33
82.250	0.00	0.04	0.026	O	|	|	|	|	0.32
82.333	0.00	0.04	0.026	O	|	|	|	|	0.32
82.417	0.00	0.04	0.025	O	|	|	|	|	0.32
82.500	0.00	0.04	0.025	O	|	|	|	|	0.31
82.583	0.00	0.04	0.025	O	|	|	|	|	0.31
82.667	0.00	0.04	0.024	O	|	|	|	|	0.31
82.750	0.00	0.04	0.024	O	|	|	|	|	0.30
82.833	0.00	0.04	0.024	O	|	|	|	|	0.30
82.917	0.00	0.04	0.024	O	|	|	|	|	0.30
83.000	0.00	0.04	0.023	O	|	|	|	|	0.29
83.083	0.00	0.04	0.023	O	|	|	|	|	0.29
83.167	0.00	0.04	0.023	O	|	|	|	|	0.29
83.250	0.00	0.04	0.023	O	|	|	|	|	0.28
83.333	0.00	0.04	0.022	O	|	|	|	|	0.28
83.417	0.00	0.04	0.022	O	|	|	|	|	0.28
83.500	0.00	0.04	0.022	O	|	|	|	|	0.27
83.583	0.00	0.04	0.022	O	|	|	|	|	0.27
83.667	0.00	0.03	0.021	O	|	|	|	|	0.27
83.750	0.00	0.03	0.021	O	|	|	|	|	0.26
83.833	0.00	0.03	0.021	O	|	|	|	|	0.26
83.917	0.00	0.03	0.021	O	|	|	|	|	0.26
84.000	0.00	0.03	0.020	O	|	|	|	|	0.26
84.083	0.00	0.03	0.020	O	|	|	|	|	0.25
84.167	0.00	0.03	0.020	O	|	|	|	|	0.25
84.250	0.00	0.03	0.020	O	|	|	|	|	0.25
84.333	0.00	0.03	0.020	O	|	|	|	|	0.24

84.417	0.00	0.03	0.019	O	|	|	|	|	0.24
84.500	0.00	0.03	0.019	O	|	|	|	|	0.24
84.583	0.00	0.03	0.019	O	|	|	|	|	0.24
84.667	0.00	0.03	0.019	O	|	|	|	|	0.23
84.750	0.00	0.03	0.019	O	|	|	|	|	0.23
84.833	0.00	0.03	0.018	O	|	|	|	|	0.23
84.917	0.00	0.03	0.018	O	|	|	|	|	0.23
85.000	0.00	0.03	0.018	O	|	|	|	|	0.22
85.083	0.00	0.03	0.018	O	|	|	|	|	0.22
85.167	0.00	0.03	0.018	O	|	|	|	|	0.22
85.250	0.00	0.03	0.017	O	|	|	|	|	0.22
85.333	0.00	0.03	0.017	O	|	|	|	|	0.21
85.417	0.00	0.03	0.017	O	|	|	|	|	0.21
85.500	0.00	0.03	0.017	O	|	|	|	|	0.21
85.583	0.00	0.03	0.017	O	|	|	|	|	0.21
85.667	0.00	0.03	0.016	O	|	|	|	|	0.20
85.750	0.00	0.03	0.016	O	|	|	|	|	0.20
85.833	0.00	0.03	0.016	O	|	|	|	|	0.20
85.917	0.00	0.03	0.016	O	|	|	|	|	0.20
86.000	0.00	0.03	0.016	O	|	|	|	|	0.20
86.083	0.00	0.03	0.015	O	|	|	|	|	0.19
86.167	0.00	0.02	0.015	O	|	|	|	|	0.19
86.250	0.00	0.02	0.015	O	|	|	|	|	0.19
86.333	0.00	0.02	0.015	O	|	|	|	|	0.19
86.417	0.00	0.02	0.015	O	|	|	|	|	0.19
86.500	0.00	0.02	0.015	O	|	|	|	|	0.18
86.583	0.00	0.02	0.014	O	|	|	|	|	0.18
86.667	0.00	0.02	0.014	O	|	|	|	|	0.18
86.750	0.00	0.02	0.014	O	|	|	|	|	0.18
86.833	0.00	0.02	0.014	O	|	|	|	|	0.17
86.917	0.00	0.02	0.014	O	|	|	|	|	0.17
87.000	0.00	0.02	0.014	O	|	|	|	|	0.17
87.083	0.00	0.02	0.014	O	|	|	|	|	0.17
87.167	0.00	0.02	0.013	O	|	|	|	|	0.17
87.250	0.00	0.02	0.013	O	|	|	|	|	0.17
87.333	0.00	0.02	0.013	O	|	|	|	|	0.16
87.417	0.00	0.02	0.013	O	|	|	|	|	0.16
87.500	0.00	0.02	0.013	O	|	|	|	|	0.16
87.583	0.00	0.02	0.013	O	|	|	|	|	0.16
87.667	0.00	0.02	0.013	O	|	|	|	|	0.16
87.750	0.00	0.02	0.012	O	|	|	|	|	0.15
87.833	0.00	0.02	0.012	O	|	|	|	|	0.15
87.917	0.00	0.02	0.012	O	|	|	|	|	0.15
88.000	0.00	0.02	0.012	O	|	|	|	|	0.15
88.083	0.00	0.02	0.012	O	|	|	|	|	0.15
88.167	0.00	0.02	0.012	O	|	|	|	|	0.15
88.250	0.00	0.02	0.012	O	|	|	|	|	0.14
88.333	0.00	0.02	0.011	O	|	|	|	|	0.14
88.417	0.00	0.02	0.011	O	|	|	|	|	0.14
88.500	0.00	0.02	0.011	O	|	|	|	|	0.14
88.583	0.00	0.02	0.011	O	|	|	|	|	0.14
88.667	0.00	0.02	0.011	O	|	|	|	|	0.14
88.750	0.00	0.02	0.011	O	|	|	|	|	0.14
88.833	0.00	0.02	0.011	O	|	|	|	|	0.13
88.917	0.00	0.02	0.011	O	|	|	|	|	0.13
89.000	0.00	0.02	0.010	O	|	|	|	|	0.13
89.083	0.00	0.02	0.010	O	|	|	|	|	0.13
89.167	0.00	0.02	0.010	O	|	|	|	|	0.13
89.250	0.00	0.02	0.010	O	|	|	|	|	0.13
89.333	0.00	0.02	0.010	O	|	|	|	|	0.13
89.417	0.00	0.02	0.010	O	|	|	|	|	0.12
89.500	0.00	0.02	0.010	O	|	|	|	|	0.12
89.583	0.00	0.02	0.010	O	|	|	|	|	0.12
89.667	0.00	0.02	0.010	O	|	|	|	|	0.12
89.750	0.00	0.02	0.009	O	|	|	|	|	0.12
89.833	0.00	0.02	0.009	O	|	|	|	|	0.12
89.917	0.00	0.02	0.009	O	|	|	|	|	0.12
90.000	0.00	0.01	0.009	O	|	|	|	|	0.11

90.083	0.00	0.01	0.009	O	|	|	|	|	0.11
90.167	0.00	0.01	0.009	O	|	|	|	|	0.11
90.250	0.00	0.01	0.009	O	|	|	|	|	0.11
90.333	0.00	0.01	0.009	O	|	|	|	|	0.11
90.417	0.00	0.01	0.009	O	|	|	|	|	0.11
90.500	0.00	0.01	0.009	O	|	|	|	|	0.11
90.583	0.00	0.01	0.008	O	|	|	|	|	0.11
90.667	0.00	0.01	0.008	O	|	|	|	|	0.10
90.750	0.00	0.01	0.008	O	|	|	|	|	0.10
90.833	0.00	0.01	0.008	O	|	|	|	|	0.10
90.917	0.00	0.01	0.008	O	|	|	|	|	0.10
91.000	0.00	0.01	0.008	O	|	|	|	|	0.10
91.083	0.00	0.01	0.008	O	|	|	|	|	0.10
91.167	0.00	0.01	0.008	O	|	|	|	|	0.10
91.250	0.00	0.01	0.008	O	|	|	|	|	0.10
91.333	0.00	0.01	0.008	O	|	|	|	|	0.10
91.417	0.00	0.01	0.008	O	|	|	|	|	0.09
91.500	0.00	0.01	0.007	O	|	|	|	|	0.09
91.583	0.00	0.01	0.007	O	|	|	|	|	0.09
91.667	0.00	0.01	0.007	O	|	|	|	|	0.09
91.750	0.00	0.01	0.007	O	|	|	|	|	0.09
91.833	0.00	0.01	0.007	O	|	|	|	|	0.09
91.917	0.00	0.01	0.007	O	|	|	|	|	0.09
92.000	0.00	0.01	0.007	O	|	|	|	|	0.09
92.083	0.00	0.01	0.007	O	|	|	|	|	0.09
92.167	0.00	0.01	0.007	O	|	|	|	|	0.09
92.250	0.00	0.01	0.007	O	|	|	|	|	0.08
92.333	0.00	0.01	0.007	O	|	|	|	|	0.08
92.417	0.00	0.01	0.007	O	|	|	|	|	0.08
92.500	0.00	0.01	0.007	O	|	|	|	|	0.08
92.583	0.00	0.01	0.006	O	|	|	|	|	0.08
92.667	0.00	0.01	0.006	O	|	|	|	|	0.08
92.750	0.00	0.01	0.006	O	|	|	|	|	0.08
92.833	0.00	0.01	0.006	O	|	|	|	|	0.08
92.917	0.00	0.01	0.006	O	|	|	|	|	0.08
93.000	0.00	0.01	0.006	O	|	|	|	|	0.08
93.083	0.00	0.01	0.006	O	|	|	|	|	0.08
93.167	0.00	0.01	0.006	O	|	|	|	|	0.07
93.250	0.00	0.01	0.006	O	|	|	|	|	0.07
93.333	0.00	0.01	0.006	O	|	|	|	|	0.07
93.417	0.00	0.01	0.006	O	|	|	|	|	0.07
93.500	0.00	0.01	0.006	O	|	|	|	|	0.07
93.583	0.00	0.01	0.006	O	|	|	|	|	0.07
93.667	0.00	0.01	0.006	O	|	|	|	|	0.07
93.750	0.00	0.01	0.006	O	|	|	|	|	0.07
93.833	0.00	0.01	0.005	O	|	|	|	|	0.07
93.917	0.00	0.01	0.005	O	|	|	|	|	0.07
94.000	0.00	0.01	0.005	O	|	|	|	|	0.07
94.083	0.00	0.01	0.005	O	|	|	|	|	0.07
94.167	0.00	0.01	0.005	O	|	|	|	|	0.07
94.250	0.00	0.01	0.005	O	|	|	|	|	0.06
94.333	0.00	0.01	0.005	O	|	|	|	|	0.06
94.417	0.00	0.01	0.005	O	|	|	|	|	0.06
94.500	0.00	0.01	0.005	O	|	|	|	|	0.06
94.583	0.00	0.01	0.005	O	|	|	|	|	0.06
94.667	0.00	0.01	0.005	O	|	|	|	|	0.06
94.750	0.00	0.01	0.005	O	|	|	|	|	0.06
94.833	0.00	0.01	0.005	O	|	|	|	|	0.06
94.917	0.00	0.01	0.005	O	|	|	|	|	0.06
95.000	0.00	0.01	0.005	O	|	|	|	|	0.06
95.083	0.00	0.01	0.005	O	|	|	|	|	0.06
95.167	0.00	0.01	0.005	O	|	|	|	|	0.06
95.250	0.00	0.01	0.005	O	|	|	|	|	0.06
95.333	0.00	0.01	0.004	O	|	|	|	|	0.06
95.417	0.00	0.01	0.004	O	|	|	|	|	0.06
95.500	0.00	0.01	0.004	O	|	|	|	|	0.05
95.583	0.00	0.01	0.004	O	|	|	|	|	0.05
95.667	0.00	0.01	0.004	O	|	|	|	|	0.05

95.750	0.00	0.01	0.004	O	|	|	|	|	0.05
95.833	0.00	0.01	0.004	O	|	|	|	|	0.05
95.917	0.00	0.01	0.004	O	|	|	|	|	0.05
96.000	0.00	0.01	0.004	O	|	|	|	|	0.05
96.083	0.00	0.01	0.004	O	|	|	|	|	0.05
96.167	0.00	0.01	0.004	O	|	|	|	|	0.05
96.250	0.00	0.01	0.004	O	|	|	|	|	0.05
96.333	0.00	0.01	0.004	O	|	|	|	|	0.05
96.417	0.00	0.01	0.004	O	|	|	|	|	0.05
96.500	0.00	0.01	0.004	O	|	|	|	|	0.05
96.583	0.00	0.01	0.004	O	|	|	|	|	0.05
96.667	0.00	0.01	0.004	O	|	|	|	|	0.05
96.750	0.00	0.01	0.004	O	|	|	|	|	0.05
96.833	0.00	0.01	0.004	O	|	|	|	|	0.05
96.917	0.00	0.01	0.004	O	|	|	|	|	0.05
97.000	0.00	0.01	0.004	O	|	|	|	|	0.04
97.083	0.00	0.01	0.004	O	|	|	|	|	0.04
97.167	0.00	0.01	0.003	O	|	|	|	|	0.04
97.250	0.00	0.01	0.003	O	|	|	|	|	0.04
97.333	0.00	0.01	0.003	O	|	|	|	|	0.04
97.417	0.00	0.01	0.003	O	|	|	|	|	0.04
97.500	0.00	0.01	0.003	O	|	|	|	|	0.04
97.583	0.00	0.01	0.003	O	|	|	|	|	0.04
97.667	0.00	0.01	0.003	O	|	|	|	|	0.04
97.750	0.00	0.01	0.003	O	|	|	|	|	0.04
97.833	0.00	0.01	0.003	O	|	|	|	|	0.04
97.917	0.00	0.01	0.003	O	|	|	|	|	0.04
98.000	0.00	0.01	0.003	O	|	|	|	|	0.04
98.083	0.00	0.01	0.003	O	|	|	|	|	0.04
98.167	0.00	0.00	0.003	O	|	|	|	|	0.04
98.250	0.00	0.00	0.003	O	|	|	|	|	0.04
98.333	0.00	0.00	0.003	O	|	|	|	|	0.04
98.417	0.00	0.00	0.003	O	|	|	|	|	0.04
98.500	0.00	0.00	0.003	O	|	|	|	|	0.04
98.583	0.00	0.00	0.003	O	|	|	|	|	0.04
98.667	0.00	0.00	0.003	O	|	|	|	|	0.04
98.750	0.00	0.00	0.003	O	|	|	|	|	0.04
98.833	0.00	0.00	0.003	O	|	|	|	|	0.03
98.917	0.00	0.00	0.003	O	|	|	|	|	0.03
99.000	0.00	0.00	0.003	O	|	|	|	|	0.03
99.083	0.00	0.00	0.003	O	|	|	|	|	0.03
99.167	0.00	0.00	0.003	O	|	|	|	|	0.03
99.250	0.00	0.00	0.003	O	|	|	|	|	0.03
99.333	0.00	0.00	0.003	O	|	|	|	|	0.03
99.417	0.00	0.00	0.003	O	|	|	|	|	0.03
99.500	0.00	0.00	0.003	O	|	|	|	|	0.03
99.583	0.00	0.00	0.003	O	|	|	|	|	0.03
99.667	0.00	0.00	0.002	O	|	|	|	|	0.03
99.750	0.00	0.00	0.002	O	|	|	|	|	0.03
99.833	0.00	0.00	0.002	O	|	|	|	|	0.03
99.917	0.00	0.00	0.002	O	|	|	|	|	0.03
100.000	0.00	0.00	0.002	O	|	|	|	|	0.03
100.083	0.00	0.00	0.002	O	|	|	|	|	0.03
100.167	0.00	0.00	0.002	O	|	|	|	|	0.03
100.250	0.00	0.00	0.002	O	|	|	|	|	0.03
100.333	0.00	0.00	0.002	O	|	|	|	|	0.03
100.417	0.00	0.00	0.002	O	|	|	|	|	0.03
100.500	0.00	0.00	0.002	O	|	|	|	|	0.03
100.583	0.00	0.00	0.002	O	|	|	|	|	0.03
100.667	0.00	0.00	0.002	O	|	|	|	|	0.03
100.750	0.00	0.00	0.002	O	|	|	|	|	0.03
100.833	0.00	0.00	0.002	O	|	|	|	|	0.03
100.917	0.00	0.00	0.002	O	|	|	|	|	0.03
101.000	0.00	0.00	0.002	O	|	|	|	|	0.03
101.083	0.00	0.00	0.002	O	|	|	|	|	0.03
101.167	0.00	0.00	0.002	O	|	|	|	|	0.03
101.250	0.00	0.00	0.002	O	|	|	|	|	0.03
101.333	0.00	0.00	0.002	O	|	|	|	|	0.02

101.417	0.00	0.00	0.002	O	|	|	|	|	0.02
101.500	0.00	0.00	0.002	O	|	|	|	|	0.02
101.583	0.00	0.00	0.002	O	|	|	|	|	0.02
101.667	0.00	0.00	0.002	O	|	|	|	|	0.02
101.750	0.00	0.00	0.002	O	|	|	|	|	0.02
101.833	0.00	0.00	0.002	O	|	|	|	|	0.02
101.917	0.00	0.00	0.002	O	|	|	|	|	0.02
102.000	0.00	0.00	0.002	O	|	|	|	|	0.02
102.083	0.00	0.00	0.002	O	|	|	|	|	0.02
102.167	0.00	0.00	0.002	O	|	|	|	|	0.02
102.250	0.00	0.00	0.002	O	|	|	|	|	0.02
102.333	0.00	0.00	0.002	O	|	|	|	|	0.02
102.417	0.00	0.00	0.002	O	|	|	|	|	0.02
102.500	0.00	0.00	0.002	O	|	|	|	|	0.02
102.583	0.00	0.00	0.002	O	|	|	|	|	0.02
102.667	0.00	0.00	0.002	O	|	|	|	|	0.02
102.750	0.00	0.00	0.002	O	|	|	|	|	0.02
102.833	0.00	0.00	0.002	O	|	|	|	|	0.02
102.917	0.00	0.00	0.002	O	|	|	|	|	0.02
103.000	0.00	0.00	0.002	O	|	|	|	|	0.02
103.083	0.00	0.00	0.002	O	|	|	|	|	0.02
103.167	0.00	0.00	0.002	O	|	|	|	|	0.02
103.250	0.00	0.00	0.002	O	|	|	|	|	0.02
103.333	0.00	0.00	0.002	O	|	|	|	|	0.02
103.417	0.00	0.00	0.002	O	|	|	|	|	0.02
103.500	0.00	0.00	0.001	O	|	|	|	|	0.02
103.583	0.00	0.00	0.001	O	|	|	|	|	0.02
103.667	0.00	0.00	0.001	O	|	|	|	|	0.02
103.750	0.00	0.00	0.001	O	|	|	|	|	0.02
103.833	0.00	0.00	0.001	O	|	|	|	|	0.02
103.917	0.00	0.00	0.001	O	|	|	|	|	0.02
104.000	0.00	0.00	0.001	O	|	|	|	|	0.02
104.083	0.00	0.00	0.001	O	|	|	|	|	0.02
104.167	0.00	0.00	0.001	O	|	|	|	|	0.02
104.250	0.00	0.00	0.001	O	|	|	|	|	0.02
104.333	0.00	0.00	0.001	O	|	|	|	|	0.02
104.417	0.00	0.00	0.001	O	|	|	|	|	0.02
104.500	0.00	0.00	0.001	O	|	|	|	|	0.02
104.583	0.00	0.00	0.001	O	|	|	|	|	0.02
104.667	0.00	0.00	0.001	O	|	|	|	|	0.02
104.750	0.00	0.00	0.001	O	|	|	|	|	0.02
104.833	0.00	0.00	0.001	O	|	|	|	|	0.02
104.917	0.00	0.00	0.001	O	|	|	|	|	0.02
105.000	0.00	0.00	0.001	O	|	|	|	|	0.02
105.083	0.00	0.00	0.001	O	|	|	|	|	0.02
105.167	0.00	0.00	0.001	O	|	|	|	|	0.01
105.250	0.00	0.00	0.001	O	|	|	|	|	0.01
105.333	0.00	0.00	0.001	O	|	|	|	|	0.01
105.417	0.00	0.00	0.001	O	|	|	|	|	0.01
105.500	0.00	0.00	0.001	O	|	|	|	|	0.01
105.583	0.00	0.00	0.001	O	|	|	|	|	0.01
105.667	0.00	0.00	0.001	O	|	|	|	|	0.01
105.750	0.00	0.00	0.001	O	|	|	|	|	0.01
105.833	0.00	0.00	0.001	O	|	|	|	|	0.01
105.917	0.00	0.00	0.001	O	|	|	|	|	0.01
106.000	0.00	0.00	0.001	O	|	|	|	|	0.01
106.083	0.00	0.00	0.001	O	|	|	|	|	0.01
106.167	0.00	0.00	0.001	O	|	|	|	|	0.01
106.250	0.00	0.00	0.001	O	|	|	|	|	0.01
106.333	0.00	0.00	0.001	O	|	|	|	|	0.01
106.417	0.00	0.00	0.001	O	|	|	|	|	0.01
106.500	0.00	0.00	0.001	O	|	|	|	|	0.01
106.583	0.00	0.00	0.001	O	|	|	|	|	0.01
106.667	0.00	0.00	0.001	O	|	|	|	|	0.01
106.750	0.00	0.00	0.001	O	|	|	|	|	0.01
106.833	0.00	0.00	0.001	O	|	|	|	|	0.01
106.917	0.00	0.00	0.001	O	|	|	|	|	0.01
107.000	0.00	0.00	0.001	O	|	|	|	|	0.01

107.083	0.00	0.00	0.001	O	|	|	|	|	0.01
107.167	0.00	0.00	0.001	O	|	|	|	|	0.01
107.250	0.00	0.00	0.001	O	|	|	|	|	0.01
107.333	0.00	0.00	0.001	O	|	|	|	|	0.01
107.417	0.00	0.00	0.001	O	|	|	|	|	0.01
107.500	0.00	0.00	0.001	O	|	|	|	|	0.01
107.583	0.00	0.00	0.001	O	|	|	|	|	0.01
107.667	0.00	0.00	0.001	O	|	|	|	|	0.01
107.750	0.00	0.00	0.001	O	|	|	|	|	0.01
107.833	0.00	0.00	0.001	O	|	|	|	|	0.01
107.917	0.00	0.00	0.001	O	|	|	|	|	0.01
108.000	0.00	0.00	0.001	O	|	|	|	|	0.01
108.083	0.00	0.00	0.001	O	|	|	|	|	0.01
108.167	0.00	0.00	0.001	O	|	|	|	|	0.01
108.250	0.00	0.00	0.001	O	|	|	|	|	0.01
108.333	0.00	0.00	0.001	O	|	|	|	|	0.01
108.417	0.00	0.00	0.001	O	|	|	|	|	0.01
108.500	0.00	0.00	0.001	O	|	|	|	|	0.01
108.583	0.00	0.00	0.001	O	|	|	|	|	0.01
108.667	0.00	0.00	0.001	O	|	|	|	|	0.01
108.750	0.00	0.00	0.001	O	|	|	|	|	0.01
108.833	0.00	0.00	0.001	O	|	|	|	|	0.01
108.917	0.00	0.00	0.001	O	|	|	|	|	0.01
109.000	0.00	0.00	0.001	O	|	|	|	|	0.01
109.083	0.00	0.00	0.001	O	|	|	|	|	0.01
109.167	0.00	0.00	0.001	O	|	|	|	|	0.01
109.250	0.00	0.00	0.001	O	|	|	|	|	0.01
109.333	0.00	0.00	0.001	O	|	|	|	|	0.01
109.417	0.00	0.00	0.001	O	|	|	|	|	0.01
109.500	0.00	0.00	0.001	O	|	|	|	|	0.01
109.583	0.00	0.00	0.001	O	|	|	|	|	0.01
109.667	0.00	0.00	0.001	O	|	|	|	|	0.01
109.750	0.00	0.00	0.001	O	|	|	|	|	0.01
109.833	0.00	0.00	0.001	O	|	|	|	|	0.01
109.917	0.00	0.00	0.001	O	|	|	|	|	0.01
110.000	0.00	0.00	0.001	O	|	|	|	|	0.01
110.083	0.00	0.00	0.001	O	|	|	|	|	0.01
110.167	0.00	0.00	0.001	O	|	|	|	|	0.01

**********HYDROGRAPH DATA**********

Number of intervals = 1322
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 26.704 (CFS)
Total volume = 3.324 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 03/17/22

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: PROA1003100.rte

**********HYDROGRAPH DATA**********

Number of intervals = 40
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 30.832 (CFS)
Total volume = 2.537 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

PROPOSED BASIN ROUTING
100-YEAR 3HR STORM
TT# 38171

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 40
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.080	0.130	0.080	0.080
1.300	0.100	0.130	0.100	0.100
1.700	0.130	0.130	0.130	0.130
2.000	0.150	0.130	0.150	0.150
2.300	0.180	0.130	0.180	0.180
2.700	0.200	0.130	0.200	0.200
3.000	0.230	0.130	0.230	0.230
3.300	0.320	0.130	0.320	0.320
3.700	0.420	0.130	0.420	0.420
4.000	0.510	0.130	0.510	0.510
4.300	0.620	0.130	0.620	0.620
4.700	0.720	0.330	0.719	0.721
5.000	0.830	0.560	0.828	0.832
5.300	0.950	0.710	0.948	0.952
5.700	1.060	0.830	1.057	1.063
6.000	1.190	0.930	1.187	1.193
6.300	1.310	1.010	1.307	1.313
6.700	1.440	1.100	1.436	1.444
7.000	1.570	29.950	1.467	1.673

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 7.7 15.42 23.12 30.83	Depth (Ft.)
0.083	1.47	0.01	0.005	OI	0.06
0.167	3.10	0.03	0.021	O I	0.26
0.250	3.09	0.07	0.042	O I	0.52
0.333	3.55	0.10	0.064	O I	0.80
0.417	4.32	0.13	0.090	O I	1.15
0.500	4.99	0.13	0.121	O I	1.58
0.583	5.10	0.13	0.155	O I	2.05
0.667	5.20	0.13	0.190	O I	2.50
0.750	5.72	0.13	0.227	O I	2.97
0.833	5.29	0.13	0.264	O I	3.11
0.917	4.90	0.13	0.298	O I	3.23
1.000	5.35	0.13	0.332	O I	3.35
1.083	6.45	0.13	0.372	O I	3.51
1.167	7.32	0.13	0.418	O I	3.69
1.250	7.53	0.13	0.469	O I	3.86
1.333	7.26	0.13	0.519	O I	4.02
1.417	7.96	0.13	0.570	O I	4.16
1.500	9.25	0.15	0.628	O I	4.33
1.583	9.13	0.27	0.690	O I	4.58
1.667	9.20	0.40	0.751	O I	4.78
1.750	10.80	0.53	0.817	O I	4.96
1.833	11.71	0.64	0.890	O I	5.15
1.917	11.24	0.73	0.965	O I	5.35
2.000	11.07	0.80	1.036	O I	5.61
2.083	11.37	0.87	1.108	O I	5.81
2.167	13.52	0.93	1.187	O I	5.99
2.250	17.17	0.99	1.286	O I	6.24
2.333	16.57	1.07	1.395	O I	6.56
2.417	20.02	10.41	1.482	O I	6.80
2.500	27.04	21.78	1.533	O I	6.92
2.583	30.83	27.98	1.561	O I	6.98
2.667	29.18	**29.73**	**1.569**	**O**	**7.00**
2.750	18.39	24.58	1.546	I O	6.94
2.833	9.54	15.38	1.504	I O	6.85
2.917	7.16	9.29	1.477	I O	6.79
3.000	4.39	6.25	1.463	I O	6.75
3.083	1.49	3.38	1.450	I O	6.72
3.167	0.46	1.29	1.441	IO	6.70
3.250	0.15	1.10	1.435	IO	6.68
3.333	0.02	1.09	1.428	IO	6.66
3.417	0.00	1.09	1.420	IO	6.64
3.500	0.00	1.08	1.413	IO	6.62
3.583	0.00	1.08	1.405	IO	6.59
3.667	0.00	1.07	1.398	IO	6.57
3.750	0.00	1.07	1.391	IO	6.55
3.833	0.00	1.06	1.383	IO	6.53
3.917	0.00	1.06	1.376	IO	6.50
4.000	0.00	1.05	1.369	IO	6.48
4.083	0.00	1.05	1.362	IO	6.46
4.167	0.00	1.04	1.354	IO	6.44
4.250	0.00	1.04	1.347	IO	6.41
4.333	0.00	1.03	1.340	IO	6.39
4.417	0.00	1.03	1.333	IO	6.37
4.500	0.00	1.02	1.326	IO	6.35
4.583	0.00	1.02	1.319	IO	6.33
4.667	0.00	1.01	1.312	IO	6.31
4.750	0.00	1.01	1.305	IO	6.29
4.833	0.00	1.00	1.298	IO	6.27
4.917	0.00	1.00	1.291	IO	6.25
5.000	0.00	0.99	1.284	IO	6.24

5.083	0.00	0.99	1.278	IO	|	|	|	| 6.22
5.167	0.00	0.98	1.271	IO	|	|	|	| 6.20
5.250	0.00	0.98	1.264	IO	|	|	|	| 6.19
5.333	0.00	0.97	1.257	IO	|	|	|	| 6.17
5.417	0.00	0.97	1.251	IO	|	|	|	| 6.15
5.500	0.00	0.97	1.244	IO	|	|	|	| 6.13
5.583	0.00	0.96	1.237	O	|	|	|	| 6.12
5.667	0.00	0.96	1.231	O	|	|	|	| 6.10
5.750	0.00	0.95	1.224	O	|	|	|	| 6.09
5.833	0.00	0.95	1.218	O	|	|	|	| 6.07
5.917	0.00	0.94	1.211	O	|	|	|	| 6.05
6.000	0.00	0.94	1.205	O	|	|	|	| 6.04
6.083	0.00	0.94	1.198	O	|	|	|	| 6.02
6.167	0.00	0.93	1.192	O	|	|	|	| 6.00
6.250	0.00	0.93	1.185	O	|	|	|	| 5.99
6.333	0.00	0.92	1.179	O	|	|	|	| 5.97
6.417	0.00	0.92	1.173	O	|	|	|	| 5.96
6.500	0.00	0.91	1.166	O	|	|	|	| 5.95
6.583	0.00	0.91	1.160	O	|	|	|	| 5.93
6.667	0.00	0.90	1.154	O	|	|	|	| 5.92
6.750	0.00	0.90	1.148	O	|	|	|	| 5.90
6.833	0.00	0.89	1.141	O	|	|	|	| 5.89
6.917	0.00	0.89	1.135	O	|	|	|	| 5.87
7.000	0.00	0.88	1.129	O	|	|	|	| 5.86
7.083	0.00	0.88	1.123	O	|	|	|	| 5.85
7.167	0.00	0.87	1.117	O	|	|	|	| 5.83
7.250	0.00	0.87	1.111	O	|	|	|	| 5.82
7.333	0.00	0.86	1.105	O	|	|	|	| 5.80
7.417	0.00	0.86	1.099	O	|	|	|	| 5.79
7.500	0.00	0.86	1.093	O	|	|	|	| 5.78
7.583	0.00	0.85	1.087	O	|	|	|	| 5.76
7.667	0.00	0.85	1.082	O	|	|	|	| 5.75
7.750	0.00	0.84	1.076	O	|	|	|	| 5.74
7.833	0.00	0.84	1.070	O	|	|	|	| 5.72
7.917	0.00	0.83	1.064	O	|	|	|	| 5.71
8.000	0.00	0.83	1.059	O	|	|	|	| 5.69
8.083	0.00	0.82	1.053	O	|	|	|	| 5.67
8.167	0.00	0.82	1.047	O	|	|	|	| 5.65
8.250	0.00	0.81	1.042	O	|	|	|	| 5.63
8.333	0.00	0.80	1.036	O	|	|	|	| 5.61
8.417	0.00	0.80	1.031	O	|	|	|	| 5.59
8.500	0.00	0.79	1.025	O	|	|	|	| 5.57
8.583	0.00	0.79	1.020	O	|	|	|	| 5.55
8.667	0.00	0.78	1.014	O	|	|	|	| 5.53
8.750	0.00	0.77	1.009	O	|	|	|	| 5.51
8.833	0.00	0.77	1.004	O	|	|	|	| 5.49
8.917	0.00	0.76	0.998	O	|	|	|	| 5.48
9.000	0.00	0.76	0.993	O	|	|	|	| 5.46
9.083	0.00	0.75	0.988	O	|	|	|	| 5.44
9.167	0.00	0.75	0.983	O	|	|	|	| 5.42
9.250	0.00	0.74	0.978	O	|	|	|	| 5.40
9.333	0.00	0.73	0.973	O	|	|	|	| 5.38
9.417	0.00	0.73	0.967	O	|	|	|	| 5.36
9.500	0.00	0.72	0.962	O	|	|	|	| 5.35
9.583	0.00	0.72	0.958	O	|	|	|	| 5.33
9.667	0.00	0.71	0.953	O	|	|	|	| 5.31
9.750	0.00	0.71	0.948	O	|	|	|	| 5.29
9.833	0.00	0.70	0.943	O	|	|	|	| 5.28
9.917	0.00	0.70	0.938	O	|	|	|	| 5.27
10.000	0.00	0.69	0.933	O	|	|	|	| 5.26
10.083	0.00	0.68	0.929	O	|	|	|	| 5.25
10.167	0.00	0.68	0.924	O	|	|	|	| 5.23
10.250	0.00	0.67	0.919	O	|	|	|	| 5.22
10.333	0.00	0.67	0.915	O	|	|	|	| 5.21
10.417	0.00	0.66	0.910	O	|	|	|	| 5.20
10.500	0.00	0.65	0.906	O	|	|	|	| 5.19
10.583	0.00	0.65	0.901	O	|	|	|	| 5.18
10.667	0.00	0.64	0.897	O	|	|	|	| 5.17

10.750	0.00	0.64	0.892	O	|	|	|	|	5.16
10.833	0.00	0.63	0.888	O	|	|	|	|	5.14
10.917	0.00	0.63	0.883	O	|	|	|	|	5.13
11.000	0.00	0.62	0.879	O	|	|	|	|	5.12
11.083	0.00	0.62	0.875	O	|	|	|	|	5.11
11.167	0.00	0.61	0.871	O	|	|	|	|	5.10
11.250	0.00	0.61	0.866	O	|	|	|	|	5.09
11.333	0.00	0.60	0.862	O	|	|	|	|	5.08
11.417	0.00	0.60	0.858	O	|	|	|	|	5.07
11.500	0.00	0.59	0.854	O	|	|	|	|	5.06
11.583	0.00	0.59	0.850	O	|	|	|	|	5.05
11.667	0.00	0.58	0.846	O	|	|	|	|	5.04
11.750	0.00	0.58	0.842	O	|	|	|	|	5.03
11.833	0.00	0.57	0.838	O	|	|	|	|	5.02
11.917	0.00	0.57	0.834	O	|	|	|	|	5.01
12.000	0.00	0.56	0.830	O	|	|	|	|	5.00
12.083	0.00	0.55	0.827	O	|	|	|	|	4.99
12.167	0.00	0.54	0.823	O	|	|	|	|	4.98
12.250	0.00	0.54	0.819	O	|	|	|	|	4.97
12.333	0.00	0.53	0.815	O	|	|	|	|	4.96
12.417	0.00	0.52	0.812	O	|	|	|	|	4.95
12.500	0.00	0.51	0.808	O	|	|	|	|	4.94
12.583	0.00	0.51	0.805	O	|	|	|	|	4.93
12.667	0.00	0.50	0.801	O	|	|	|	|	4.92
12.750	0.00	0.49	0.798	O	|	|	|	|	4.91
12.833	0.00	0.49	0.794	O	|	|	|	|	4.90
12.917	0.00	0.48	0.791	O	|	|	|	|	4.89
13.000	0.00	0.47	0.788	O	|	|	|	|	4.88
13.083	0.00	0.47	0.785	O	|	|	|	|	4.88
13.167	0.00	0.46	0.781	O	|	|	|	|	4.87
13.250	0.00	0.45	0.778	O	|	|	|	|	4.86
13.333	0.00	0.45	0.775	O	|	|	|	|	4.85
13.417	0.00	0.44	0.772	O	|	|	|	|	4.84
13.500	0.00	0.43	0.769	O	|	|	|	|	4.83
13.583	0.00	0.43	0.766	O	|	|	|	|	4.83
13.667	0.00	0.42	0.763	O	|	|	|	|	4.82
13.750	0.00	0.41	0.760	O	|	|	|	|	4.81
13.833	0.00	0.41	0.758	O	|	|	|	|	4.80
13.917	0.00	0.40	0.755	O	|	|	|	|	4.79
14.000	0.00	0.40	0.752	O	|	|	|	|	4.79
14.083	0.00	0.39	0.749	O	|	|	|	|	4.78
14.167	0.00	0.39	0.747	O	|	|	|	|	4.77
14.250	0.00	0.38	0.744	O	|	|	|	|	4.77
14.333	0.00	0.37	0.741	O	|	|	|	|	4.76
14.417	0.00	0.37	0.739	O	|	|	|	|	4.75
14.500	0.00	0.36	0.736	O	|	|	|	|	4.74
14.583	0.00	0.36	0.734	O	|	|	|	|	4.74
14.667	0.00	0.35	0.731	O	|	|	|	|	4.73
14.750	0.00	0.35	0.729	O	|	|	|	|	4.72
14.833	0.00	0.34	0.727	O	|	|	|	|	4.72
14.917	0.00	0.34	0.724	O	|	|	|	|	4.71
15.000	0.00	0.33	0.722	O	|	|	|	|	4.71
15.083	0.00	0.33	0.720	O	|	|	|	|	4.70
15.167	0.00	0.32	0.717	O	|	|	|	|	4.69
15.250	0.00	0.32	0.715	O	|	|	|	|	4.68
15.333	0.00	0.32	0.713	O	|	|	|	|	4.67
15.417	0.00	0.31	0.711	O	|	|	|	|	4.66
15.500	0.00	0.31	0.709	O	|	|	|	|	4.65
15.583	0.00	0.30	0.707	O	|	|	|	|	4.65
15.667	0.00	0.30	0.704	O	|	|	|	|	4.64
15.750	0.00	0.29	0.702	O	|	|	|	|	4.63
15.833	0.00	0.29	0.700	O	|	|	|	|	4.62
15.917	0.00	0.29	0.698	O	|	|	|	|	4.61
16.000	0.00	0.28	0.696	O	|	|	|	|	4.61
16.083	0.00	0.28	0.695	O	|	|	|	|	4.60
16.167	0.00	0.28	0.693	O	|	|	|	|	4.59
16.250	0.00	0.27	0.691	O	|	|	|	|	4.58
16.333	0.00	0.27	0.689	O	|	|	|	|	4.58

16.417	0.00	0.26	0.687	O	|	|	|	|	4.57
16.500	0.00	0.26	0.685	O	|	|	|	|	4.56
16.583	0.00	0.26	0.683	O	|	|	|	|	4.55
16.667	0.00	0.25	0.682	O	|	|	|	|	4.55
16.750	0.00	0.25	0.680	O	|	|	|	|	4.54
16.833	0.00	0.25	0.678	O	|	|	|	|	4.53
16.917	0.00	0.24	0.677	O	|	|	|	|	4.53
17.000	0.00	0.24	0.675	O	|	|	|	|	4.52
17.083	0.00	0.24	0.673	O	|	|	|	|	4.51
17.167	0.00	0.23	0.672	O	|	|	|	|	4.51
17.250	0.00	0.23	0.670	O	|	|	|	|	4.50
17.333	0.00	0.23	0.668	O	|	|	|	|	4.49
17.417	0.00	0.22	0.667	O	|	|	|	|	4.49
17.500	0.00	0.22	0.665	O	|	|	|	|	4.48
17.583	0.00	0.22	0.664	O	|	|	|	|	4.48
17.667	0.00	0.21	0.662	O	|	|	|	|	4.47
17.750	0.00	0.21	0.661	O	|	|	|	|	4.46
17.833	0.00	0.21	0.659	O	|	|	|	|	4.46
17.917	0.00	0.21	0.658	O	|	|	|	|	4.45
18.000	0.00	0.20	0.657	O	|	|	|	|	4.45
18.083	0.00	0.20	0.655	O	|	|	|	|	4.44
18.167	0.00	0.20	0.654	O	|	|	|	|	4.44
18.250	0.00	0.20	0.653	O	|	|	|	|	4.43
18.333	0.00	0.19	0.651	O	|	|	|	|	4.42
18.417	0.00	0.19	0.650	O	|	|	|	|	4.42
18.500	0.00	0.19	0.649	O	|	|	|	|	4.41
18.583	0.00	0.18	0.647	O	|	|	|	|	4.41
18.667	0.00	0.18	0.646	O	|	|	|	|	4.40
18.750	0.00	0.18	0.645	O	|	|	|	|	4.40
18.833	0.00	0.18	0.644	O	|	|	|	|	4.39
18.917	0.00	0.17	0.642	O	|	|	|	|	4.39
19.000	0.00	0.17	0.641	O	|	|	|	|	4.38
19.083	0.00	0.17	0.640	O	|	|	|	|	4.38
19.167	0.00	0.17	0.639	O	|	|	|	|	4.38
19.250	0.00	0.17	0.638	O	|	|	|	|	4.37
19.333	0.00	0.16	0.637	O	|	|	|	|	4.37
19.417	0.00	0.16	0.635	O	|	|	|	|	4.36
19.500	0.00	0.16	0.634	O	|	|	|	|	4.36
19.583	0.00	0.16	0.633	O	|	|	|	|	4.35
19.667	0.00	0.15	0.632	O	|	|	|	|	4.35
19.750	0.00	0.15	0.631	O	|	|	|	|	4.34
19.833	0.00	0.15	0.630	O	|	|	|	|	4.34
19.917	0.00	0.15	0.629	O	|	|	|	|	4.34
20.000	0.00	0.15	0.628	O	|	|	|	|	4.33
20.083	0.00	0.14	0.627	O	|	|	|	|	4.33
20.167	0.00	0.14	0.626	O	|	|	|	|	4.32
20.250	0.00	0.14	0.625	O	|	|	|	|	4.32
20.333	0.00	0.14	0.624	O	|	|	|	|	4.32
20.417	0.00	0.14	0.623	O	|	|	|	|	4.31
20.500	0.00	0.13	0.622	O	|	|	|	|	4.31
20.583	0.00	0.13	0.621	O	|	|	|	|	4.31
20.667	0.00	0.13	0.620	O	|	|	|	|	4.30
20.750	0.00	0.13	0.620	O	|	|	|	|	4.30
20.833	0.00	0.13	0.619	O	|	|	|	|	4.30
20.917	0.00	0.13	0.618	O	|	|	|	|	4.29
21.000	0.00	0.13	0.617	O	|	|	|	|	4.29
21.083	0.00	0.13	0.616	O	|	|	|	|	4.29
21.167	0.00	0.13	0.615	O	|	|	|	|	4.29
21.250	0.00	0.13	0.614	O	|	|	|	|	4.28
21.333	0.00	0.13	0.613	O	|	|	|	|	4.28
21.417	0.00	0.13	0.612	O	|	|	|	|	4.28
21.500	0.00	0.13	0.611	O	|	|	|	|	4.28
21.583	0.00	0.13	0.611	O	|	|	|	|	4.27
21.667	0.00	0.13	0.610	O	|	|	|	|	4.27
21.750	0.00	0.13	0.609	O	|	|	|	|	4.27
21.833	0.00	0.13	0.608	O	|	|	|	|	4.27
21.917	0.00	0.13	0.607	O	|	|	|	|	4.26
22.000	0.00	0.13	0.606	O	|	|	|	|	4.26

22.083	0.00	0.13	0.605	O	|	|	|	|	4.26
22.167	0.00	0.13	0.604	O	|	|	|	|	4.26
22.250	0.00	0.13	0.603	O	|	|	|	|	4.25
22.333	0.00	0.13	0.602	O	|	|	|	|	4.25
22.417	0.00	0.13	0.602	O	|	|	|	|	4.25
22.500	0.00	0.13	0.601	O	|	|	|	|	4.25
22.583	0.00	0.13	0.600	O	|	|	|	|	4.24
22.667	0.00	0.13	0.599	O	|	|	|	|	4.24
22.750	0.00	0.13	0.598	O	|	|	|	|	4.24
22.833	0.00	0.13	0.597	O	|	|	|	|	4.24
22.917	0.00	0.13	0.596	O	|	|	|	|	4.24
23.000	0.00	0.13	0.595	O	|	|	|	|	4.23
23.083	0.00	0.13	0.594	O	|	|	|	|	4.23
23.167	0.00	0.13	0.594	O	|	|	|	|	4.23
23.250	0.00	0.13	0.593	O	|	|	|	|	4.23
23.333	0.00	0.13	0.592	O	|	|	|	|	4.22
23.417	0.00	0.13	0.591	O	|	|	|	|	4.22
23.500	0.00	0.13	0.590	O	|	|	|	|	4.22
23.583	0.00	0.13	0.589	O	|	|	|	|	4.22
23.667	0.00	0.13	0.588	O	|	|	|	|	4.21
23.750	0.00	0.13	0.587	O	|	|	|	|	4.21
23.833	0.00	0.13	0.586	O	|	|	|	|	4.21
23.917	0.00	0.13	0.585	O	|	|	|	|	4.21
24.000	0.00	0.13	0.585	O	|	|	|	|	4.20
24.083	0.00	0.13	0.584	O	|	|	|	|	4.20
24.167	0.00	0.13	0.583	O	|	|	|	|	4.20
24.250	0.00	0.13	0.582	O	|	|	|	|	4.20
24.333	0.00	0.13	0.581	O	|	|	|	|	4.19
24.417	0.00	0.13	0.580	O	|	|	|	|	4.19
24.500	0.00	0.13	0.579	O	|	|	|	|	4.19
24.583	0.00	0.13	0.578	O	|	|	|	|	4.19
24.667	0.00	0.13	0.577	O	|	|	|	|	4.18
24.750	0.00	0.13	0.577	O	|	|	|	|	4.18
24.833	0.00	0.13	0.576	O	|	|	|	|	4.18
24.917	0.00	0.13	0.575	O	|	|	|	|	4.18
25.000	0.00	0.13	0.574	O	|	|	|	|	4.17
25.083	0.00	0.13	0.573	O	|	|	|	|	4.17
25.167	0.00	0.13	0.572	O	|	|	|	|	4.17
25.250	0.00	0.13	0.571	O	|	|	|	|	4.17
25.333	0.00	0.13	0.570	O	|	|	|	|	4.16
25.417	0.00	0.13	0.569	O	|	|	|	|	4.16
25.500	0.00	0.13	0.568	O	|	|	|	|	4.16
25.583	0.00	0.13	0.568	O	|	|	|	|	4.16
25.667	0.00	0.13	0.567	O	|	|	|	|	4.15
25.750	0.00	0.13	0.566	O	|	|	|	|	4.15
25.833	0.00	0.13	0.565	O	|	|	|	|	4.15
25.917	0.00	0.13	0.564	O	|	|	|	|	4.15
26.000	0.00	0.13	0.563	O	|	|	|	|	4.14
26.083	0.00	0.13	0.562	O	|	|	|	|	4.14
26.167	0.00	0.13	0.561	O	|	|	|	|	4.14
26.250	0.00	0.13	0.560	O	|	|	|	|	4.14
26.333	0.00	0.13	0.560	O	|	|	|	|	4.14
26.417	0.00	0.13	0.559	O	|	|	|	|	4.13
26.500	0.00	0.13	0.558	O	|	|	|	|	4.13
26.583	0.00	0.13	0.557	O	|	|	|	|	4.13
26.667	0.00	0.13	0.556	O	|	|	|	|	4.13
26.750	0.00	0.13	0.555	O	|	|	|	|	4.12
26.833	0.00	0.13	0.554	O	|	|	|	|	4.12
26.917	0.00	0.13	0.553	O	|	|	|	|	4.12
27.000	0.00	0.13	0.552	O	|	|	|	|	4.12
27.083	0.00	0.13	0.551	O	|	|	|	|	4.11
27.167	0.00	0.13	0.551	O	|	|	|	|	4.11
27.250	0.00	0.13	0.550	O	|	|	|	|	4.11
27.333	0.00	0.13	0.549	O	|	|	|	|	4.11
27.417	0.00	0.13	0.548	O	|	|	|	|	4.10
27.500	0.00	0.13	0.547	O	|	|	|	|	4.10
27.583	0.00	0.13	0.546	O	|	|	|	|	4.10
27.667	0.00	0.13	0.545	O	|	|	|	|	4.10

27.750	0.00	0.13	0.544	O	|	|	|	|	4.09
27.833	0.00	0.13	0.543	O	|	|	|	|	4.09
27.917	0.00	0.13	0.543	O	|	|	|	|	4.09
28.000	0.00	0.13	0.542	O	|	|	|	|	4.09
28.083	0.00	0.13	0.541	O	|	|	|	|	4.08
28.167	0.00	0.13	0.540	O	|	|	|	|	4.08
28.250	0.00	0.13	0.539	O	|	|	|	|	4.08
28.333	0.00	0.13	0.538	O	|	|	|	|	4.08
28.417	0.00	0.13	0.537	O	|	|	|	|	4.07
28.500	0.00	0.13	0.536	O	|	|	|	|	4.07
28.583	0.00	0.13	0.535	O	|	|	|	|	4.07
28.667	0.00	0.13	0.534	O	|	|	|	|	4.07
28.750	0.00	0.13	0.534	O	|	|	|	|	4.06
28.833	0.00	0.13	0.533	O	|	|	|	|	4.06
28.917	0.00	0.13	0.532	O	|	|	|	|	4.06
29.000	0.00	0.13	0.531	O	|	|	|	|	4.06
29.083	0.00	0.13	0.530	O	|	|	|	|	4.05
29.167	0.00	0.13	0.529	O	|	|	|	|	4.05
29.250	0.00	0.13	0.528	O	|	|	|	|	4.05
29.333	0.00	0.13	0.527	O	|	|	|	|	4.05
29.417	0.00	0.13	0.526	O	|	|	|	|	4.04
29.500	0.00	0.13	0.525	O	|	|	|	|	4.04
29.583	0.00	0.13	0.525	O	|	|	|	|	4.04
29.667	0.00	0.13	0.524	O	|	|	|	|	4.04
29.750	0.00	0.13	0.523	O	|	|	|	|	4.03
29.833	0.00	0.13	0.522	O	|	|	|	|	4.03
29.917	0.00	0.13	0.521	O	|	|	|	|	4.03
30.000	0.00	0.13	0.520	O	|	|	|	|	4.03
30.083	0.00	0.13	0.519	O	|	|	|	|	4.03
30.167	0.00	0.13	0.518	O	|	|	|	|	4.02
30.250	0.00	0.13	0.517	O	|	|	|	|	4.02
30.333	0.00	0.13	0.517	O	|	|	|	|	4.02
30.417	0.00	0.13	0.516	O	|	|	|	|	4.02
30.500	0.00	0.13	0.515	O	|	|	|	|	4.01
30.583	0.00	0.13	0.514	O	|	|	|	|	4.01
30.667	0.00	0.13	0.513	O	|	|	|	|	4.01
30.750	0.00	0.13	0.512	O	|	|	|	|	4.01
30.833	0.00	0.13	0.511	O	|	|	|	|	4.00
30.917	0.00	0.13	0.510	O	|	|	|	|	4.00
31.000	0.00	0.13	0.509	O	|	|	|	|	4.00
31.083	0.00	0.13	0.508	O	|	|	|	|	3.99
31.167	0.00	0.13	0.508	O	|	|	|	|	3.99
31.250	0.00	0.13	0.507	O	|	|	|	|	3.99
31.333	0.00	0.13	0.506	O	|	|	|	|	3.99
31.417	0.00	0.13	0.505	O	|	|	|	|	3.98
31.500	0.00	0.13	0.504	O	|	|	|	|	3.98
31.583	0.00	0.13	0.503	O	|	|	|	|	3.98
31.667	0.00	0.13	0.502	O	|	|	|	|	3.97
31.750	0.00	0.13	0.501	O	|	|	|	|	3.97
31.833	0.00	0.13	0.500	O	|	|	|	|	3.97
31.917	0.00	0.13	0.500	O	|	|	|	|	3.97
32.000	0.00	0.13	0.499	O	|	|	|	|	3.96
32.083	0.00	0.13	0.498	O	|	|	|	|	3.96
32.167	0.00	0.13	0.497	O	|	|	|	|	3.96
32.250	0.00	0.13	0.496	O	|	|	|	|	3.95
32.333	0.00	0.13	0.495	O	|	|	|	|	3.95
32.417	0.00	0.13	0.494	O	|	|	|	|	3.95
32.500	0.00	0.13	0.493	O	|	|	|	|	3.94
32.583	0.00	0.13	0.492	O	|	|	|	|	3.94
32.667	0.00	0.13	0.491	O	|	|	|	|	3.94
32.750	0.00	0.13	0.491	O	|	|	|	|	3.94
32.833	0.00	0.13	0.490	O	|	|	|	|	3.93
32.917	0.00	0.13	0.489	O	|	|	|	|	3.93
33.000	0.00	0.13	0.488	O	|	|	|	|	3.93
33.083	0.00	0.13	0.487	O	|	|	|	|	3.92
33.167	0.00	0.13	0.486	O	|	|	|	|	3.92
33.250	0.00	0.13	0.485	O	|	|	|	|	3.92
33.333	0.00	0.13	0.484	O	|	|	|	|	3.91

33.417	0.00	0.13	0.483	O	|	|	|	|	3.91
33.500	0.00	0.13	0.483	O	|	|	|	|	3.91
33.583	0.00	0.13	0.482	O	|	|	|	|	3.91
33.667	0.00	0.13	0.481	O	|	|	|	|	3.90
33.750	0.00	0.13	0.480	O	|	|	|	|	3.90
33.833	0.00	0.13	0.479	O	|	|	|	|	3.90
33.917	0.00	0.13	0.478	O	|	|	|	|	3.89
34.000	0.00	0.13	0.477	O	|	|	|	|	3.89
34.083	0.00	0.13	0.476	O	|	|	|	|	3.89
34.167	0.00	0.13	0.475	O	|	|	|	|	3.88
34.250	0.00	0.13	0.474	O	|	|	|	|	3.88
34.333	0.00	0.13	0.474	O	|	|	|	|	3.88
34.417	0.00	0.13	0.473	O	|	|	|	|	3.88
34.500	0.00	0.13	0.472	O	|	|	|	|	3.87
34.583	0.00	0.13	0.471	O	|	|	|	|	3.87
34.667	0.00	0.13	0.470	O	|	|	|	|	3.87
34.750	0.00	0.13	0.469	O	|	|	|	|	3.86
34.833	0.00	0.13	0.468	O	|	|	|	|	3.86
34.917	0.00	0.13	0.467	O	|	|	|	|	3.86
35.000	0.00	0.13	0.466	O	|	|	|	|	3.85
35.083	0.00	0.13	0.466	O	|	|	|	|	3.85
35.167	0.00	0.13	0.465	O	|	|	|	|	3.85
35.250	0.00	0.13	0.464	O	|	|	|	|	3.85
35.333	0.00	0.13	0.463	O	|	|	|	|	3.84
35.417	0.00	0.13	0.462	O	|	|	|	|	3.84
35.500	0.00	0.13	0.461	O	|	|	|	|	3.84
35.583	0.00	0.13	0.460	O	|	|	|	|	3.83
35.667	0.00	0.13	0.459	O	|	|	|	|	3.83
35.750	0.00	0.13	0.458	O	|	|	|	|	3.83
35.833	0.00	0.13	0.457	O	|	|	|	|	3.82
35.917	0.00	0.13	0.457	O	|	|	|	|	3.82
36.000	0.00	0.13	0.456	O	|	|	|	|	3.82
36.083	0.00	0.13	0.455	O	|	|	|	|	3.82
36.167	0.00	0.13	0.454	O	|	|	|	|	3.81
36.250	0.00	0.13	0.453	O	|	|	|	|	3.81
36.333	0.00	0.13	0.452	O	|	|	|	|	3.81
36.417	0.00	0.13	0.451	O	|	|	|	|	3.80
36.500	0.00	0.13	0.450	O	|	|	|	|	3.80
36.583	0.00	0.13	0.449	O	|	|	|	|	3.80
36.667	0.00	0.13	0.449	O	|	|	|	|	3.80
36.750	0.00	0.13	0.448	O	|	|	|	|	3.79
36.833	0.00	0.13	0.447	O	|	|	|	|	3.79
36.917	0.00	0.13	0.446	O	|	|	|	|	3.79
37.000	0.00	0.13	0.445	O	|	|	|	|	3.78
37.083	0.00	0.13	0.444	O	|	|	|	|	3.78
37.167	0.00	0.13	0.443	O	|	|	|	|	3.78
37.250	0.00	0.13	0.442	O	|	|	|	|	3.77
37.333	0.00	0.13	0.441	O	|	|	|	|	3.77
37.417	0.00	0.13	0.440	O	|	|	|	|	3.77
37.500	0.00	0.13	0.440	O	|	|	|	|	3.77
37.583	0.00	0.13	0.439	O	|	|	|	|	3.76
37.667	0.00	0.13	0.438	O	|	|	|	|	3.76
37.750	0.00	0.13	0.437	O	|	|	|	|	3.76
37.833	0.00	0.13	0.436	O	|	|	|	|	3.75
37.917	0.00	0.13	0.435	O	|	|	|	|	3.75
38.000	0.00	0.13	0.434	O	|	|	|	|	3.75
38.083	0.00	0.13	0.433	O	|	|	|	|	3.74
38.167	0.00	0.13	0.432	O	|	|	|	|	3.74
38.250	0.00	0.13	0.431	O	|	|	|	|	3.74
38.333	0.00	0.13	0.431	O	|	|	|	|	3.74
38.417	0.00	0.13	0.430	O	|	|	|	|	3.73
38.500	0.00	0.13	0.429	O	|	|	|	|	3.73
38.583	0.00	0.13	0.428	O	|	|	|	|	3.73
38.667	0.00	0.13	0.427	O	|	|	|	|	3.72
38.750	0.00	0.13	0.426	O	|	|	|	|	3.72
38.833	0.00	0.13	0.425	O	|	|	|	|	3.72
38.917	0.00	0.13	0.424	O	|	|	|	|	3.71
39.000	0.00	0.13	0.423	O	|	|	|	|	3.71

39.083	0.00	0.13	0.423	O	|	|	|	|	3.71
39.167	0.00	0.13	0.422	O	|	|	|	|	3.71
39.250	0.00	0.13	0.421	O	|	|	|	|	3.70
39.333	0.00	0.13	0.420	O	|	|	|	|	3.70
39.417	0.00	0.13	0.419	O	|	|	|	|	3.70
39.500	0.00	0.13	0.418	O	|	|	|	|	3.69
39.583	0.00	0.13	0.417	O	|	|	|	|	3.69
39.667	0.00	0.13	0.416	O	|	|	|	|	3.69
39.750	0.00	0.13	0.415	O	|	|	|	|	3.68
39.833	0.00	0.13	0.414	O	|	|	|	|	3.68
39.917	0.00	0.13	0.414	O	|	|	|	|	3.67
40.000	0.00	0.13	0.413	O	|	|	|	|	3.67
40.083	0.00	0.13	0.412	O	|	|	|	|	3.67
40.167	0.00	0.13	0.411	O	|	|	|	|	3.66
40.250	0.00	0.13	0.410	O	|	|	|	|	3.66
40.333	0.00	0.13	0.409	O	|	|	|	|	3.66
40.417	0.00	0.13	0.408	O	|	|	|	|	3.65
40.500	0.00	0.13	0.407	O	|	|	|	|	3.65
40.583	0.00	0.13	0.406	O	|	|	|	|	3.65
40.667	0.00	0.13	0.406	O	|	|	|	|	3.64
40.750	0.00	0.13	0.405	O	|	|	|	|	3.64
40.833	0.00	0.13	0.404	O	|	|	|	|	3.63
40.917	0.00	0.13	0.403	O	|	|	|	|	3.63
41.000	0.00	0.13	0.402	O	|	|	|	|	3.63
41.083	0.00	0.13	0.401	O	|	|	|	|	3.62
41.167	0.00	0.13	0.400	O	|	|	|	|	3.62
41.250	0.00	0.13	0.399	O	|	|	|	|	3.62
41.333	0.00	0.13	0.398	O	|	|	|	|	3.61
41.417	0.00	0.13	0.397	O	|	|	|	|	3.61
41.500	0.00	0.13	0.397	O	|	|	|	|	3.61
41.583	0.00	0.13	0.396	O	|	|	|	|	3.60
41.667	0.00	0.13	0.395	O	|	|	|	|	3.60
41.750	0.00	0.13	0.394	O	|	|	|	|	3.60
41.833	0.00	0.13	0.393	O	|	|	|	|	3.59
41.917	0.00	0.13	0.392	O	|	|	|	|	3.59
42.000	0.00	0.13	0.391	O	|	|	|	|	3.58
42.083	0.00	0.13	0.390	O	|	|	|	|	3.58
42.167	0.00	0.13	0.389	O	|	|	|	|	3.58
42.250	0.00	0.13	0.389	O	|	|	|	|	3.57
42.333	0.00	0.13	0.388	O	|	|	|	|	3.57
42.417	0.00	0.13	0.387	O	|	|	|	|	3.57
42.500	0.00	0.13	0.386	O	|	|	|	|	3.56
42.583	0.00	0.13	0.385	O	|	|	|	|	3.56
42.667	0.00	0.13	0.384	O	|	|	|	|	3.56
42.750	0.00	0.13	0.383	O	|	|	|	|	3.55
42.833	0.00	0.13	0.382	O	|	|	|	|	3.55
42.917	0.00	0.13	0.381	O	|	|	|	|	3.55
43.000	0.00	0.13	0.380	O	|	|	|	|	3.54
43.083	0.00	0.13	0.380	O	|	|	|	|	3.54
43.167	0.00	0.13	0.379	O	|	|	|	|	3.53
43.250	0.00	0.13	0.378	O	|	|	|	|	3.53
43.333	0.00	0.13	0.377	O	|	|	|	|	3.53
43.417	0.00	0.13	0.376	O	|	|	|	|	3.52
43.500	0.00	0.13	0.375	O	|	|	|	|	3.52
43.583	0.00	0.13	0.374	O	|	|	|	|	3.52
43.667	0.00	0.13	0.373	O	|	|	|	|	3.51
43.750	0.00	0.13	0.372	O	|	|	|	|	3.51
43.833	0.00	0.13	0.372	O	|	|	|	|	3.51
43.917	0.00	0.13	0.371	O	|	|	|	|	3.50
44.000	0.00	0.13	0.370	O	|	|	|	|	3.50
44.083	0.00	0.13	0.369	O	|	|	|	|	3.50
44.167	0.00	0.13	0.368	O	|	|	|	|	3.49
44.250	0.00	0.13	0.367	O	|	|	|	|	3.49
44.333	0.00	0.13	0.366	O	|	|	|	|	3.48
44.417	0.00	0.13	0.365	O	|	|	|	|	3.48
44.500	0.00	0.13	0.364	O	|	|	|	|	3.48
44.583	0.00	0.13	0.363	O	|	|	|	|	3.47
44.667	0.00	0.13	0.363	O	|	|	|	|	3.47

44.750	0.00	0.13	0.362	O	|	|	|	|	3.47
44.833	0.00	0.13	0.361	O	|	|	|	|	3.46
44.917	0.00	0.13	0.360	O	|	|	|	|	3.46
45.000	0.00	0.13	0.359	O	|	|	|	|	3.46
45.083	0.00	0.13	0.358	O	|	|	|	|	3.45
45.167	0.00	0.13	0.357	O	|	|	|	|	3.45
45.250	0.00	0.13	0.356	O	|	|	|	|	3.45
45.333	0.00	0.13	0.355	O	|	|	|	|	3.44
45.417	0.00	0.13	0.354	O	|	|	|	|	3.44
45.500	0.00	0.13	0.354	O	|	|	|	|	3.43
45.583	0.00	0.13	0.353	O	|	|	|	|	3.43
45.667	0.00	0.13	0.352	O	|	|	|	|	3.43
45.750	0.00	0.13	0.351	O	|	|	|	|	3.42
45.833	0.00	0.13	0.350	O	|	|	|	|	3.42
45.917	0.00	0.13	0.349	O	|	|	|	|	3.42
46.000	0.00	0.13	0.348	O	|	|	|	|	3.41
46.083	0.00	0.13	0.347	O	|	|	|	|	3.41
46.167	0.00	0.13	0.346	O	|	|	|	|	3.41
46.250	0.00	0.13	0.346	O	|	|	|	|	3.40
46.333	0.00	0.13	0.345	O	|	|	|	|	3.40
46.417	0.00	0.13	0.344	O	|	|	|	|	3.40
46.500	0.00	0.13	0.343	O	|	|	|	|	3.39
46.583	0.00	0.13	0.342	O	|	|	|	|	3.39
46.667	0.00	0.13	0.341	O	|	|	|	|	3.38
46.750	0.00	0.13	0.340	O	|	|	|	|	3.38
46.833	0.00	0.13	0.339	O	|	|	|	|	3.38
46.917	0.00	0.13	0.338	O	|	|	|	|	3.37
47.000	0.00	0.13	0.337	O	|	|	|	|	3.37
47.083	0.00	0.13	0.337	O	|	|	|	|	3.37
47.167	0.00	0.13	0.336	O	|	|	|	|	3.36
47.250	0.00	0.13	0.335	O	|	|	|	|	3.36
47.333	0.00	0.13	0.334	O	|	|	|	|	3.36
47.417	0.00	0.13	0.333	O	|	|	|	|	3.35
47.500	0.00	0.13	0.332	O	|	|	|	|	3.35
47.583	0.00	0.13	0.331	O	|	|	|	|	3.34
47.667	0.00	0.13	0.330	O	|	|	|	|	3.34
47.750	0.00	0.13	0.329	O	|	|	|	|	3.34
47.833	0.00	0.13	0.329	O	|	|	|	|	3.33
47.917	0.00	0.13	0.328	O	|	|	|	|	3.33
48.000	0.00	0.13	0.327	O	|	|	|	|	3.33
48.083	0.00	0.13	0.326	O	|	|	|	|	3.32
48.167	0.00	0.13	0.325	O	|	|	|	|	3.32
48.250	0.00	0.13	0.324	O	|	|	|	|	3.32
48.333	0.00	0.13	0.323	O	|	|	|	|	3.31
48.417	0.00	0.13	0.322	O	|	|	|	|	3.31
48.500	0.00	0.13	0.321	O	|	|	|	|	3.31
48.583	0.00	0.13	0.320	O	|	|	|	|	3.30
48.667	0.00	0.13	0.320	O	|	|	|	|	3.30
48.750	0.00	0.13	0.319	O	|	|	|	|	3.30
48.833	0.00	0.13	0.318	O	|	|	|	|	3.29
48.917	0.00	0.13	0.317	O	|	|	|	|	3.29
49.000	0.00	0.13	0.316	O	|	|	|	|	3.29
49.083	0.00	0.13	0.315	O	|	|	|	|	3.28
49.167	0.00	0.13	0.314	O	|	|	|	|	3.28
49.250	0.00	0.13	0.313	O	|	|	|	|	3.28
49.333	0.00	0.13	0.312	O	|	|	|	|	3.27
49.417	0.00	0.13	0.312	O	|	|	|	|	3.27
49.500	0.00	0.13	0.311	O	|	|	|	|	3.27
49.583	0.00	0.13	0.310	O	|	|	|	|	3.27
49.667	0.00	0.13	0.309	O	|	|	|	|	3.26
49.750	0.00	0.13	0.308	O	|	|	|	|	3.26
49.833	0.00	0.13	0.307	O	|	|	|	|	3.26
49.917	0.00	0.13	0.306	O	|	|	|	|	3.25
50.000	0.00	0.13	0.305	O	|	|	|	|	3.25
50.083	0.00	0.13	0.304	O	|	|	|	|	3.25
50.167	0.00	0.13	0.303	O	|	|	|	|	3.24
50.250	0.00	0.13	0.303	O	|	|	|	|	3.24
50.333	0.00	0.13	0.302	O	|	|	|	|	3.24

50.417	0.00	0.13	0.301	O	|	|	|	|	3.24
50.500	0.00	0.13	0.300	O	|	|	|	|	3.23
50.583	0.00	0.13	0.299	O	|	|	|	|	3.23
50.667	0.00	0.13	0.298	O	|	|	|	|	3.23
50.750	0.00	0.13	0.297	O	|	|	|	|	3.22
50.833	0.00	0.13	0.296	O	|	|	|	|	3.22
50.917	0.00	0.13	0.295	O	|	|	|	|	3.22
51.000	0.00	0.13	0.295	O	|	|	|	|	3.22
51.083	0.00	0.13	0.294	O	|	|	|	|	3.21
51.167	0.00	0.13	0.293	O	|	|	|	|	3.21
51.250	0.00	0.13	0.292	O	|	|	|	|	3.21
51.333	0.00	0.13	0.291	O	|	|	|	|	3.20
51.417	0.00	0.13	0.290	O	|	|	|	|	3.20
51.500	0.00	0.13	0.289	O	|	|	|	|	3.20
51.583	0.00	0.13	0.288	O	|	|	|	|	3.19
51.667	0.00	0.13	0.287	O	|	|	|	|	3.19
51.750	0.00	0.13	0.286	O	|	|	|	|	3.19
51.833	0.00	0.13	0.286	O	|	|	|	|	3.19
51.917	0.00	0.13	0.285	O	|	|	|	|	3.18
52.000	0.00	0.13	0.284	O	|	|	|	|	3.18
52.083	0.00	0.13	0.283	O	|	|	|	|	3.18
52.167	0.00	0.13	0.282	O	|	|	|	|	3.17
52.250	0.00	0.13	0.281	O	|	|	|	|	3.17
52.333	0.00	0.13	0.280	O	|	|	|	|	3.17
52.417	0.00	0.13	0.279	O	|	|	|	|	3.16
52.500	0.00	0.13	0.278	O	|	|	|	|	3.16
52.583	0.00	0.13	0.277	O	|	|	|	|	3.16
52.667	0.00	0.13	0.277	O	|	|	|	|	3.16
52.750	0.00	0.13	0.276	O	|	|	|	|	3.15
52.833	0.00	0.13	0.275	O	|	|	|	|	3.15
52.917	0.00	0.13	0.274	O	|	|	|	|	3.15
53.000	0.00	0.13	0.273	O	|	|	|	|	3.14
53.083	0.00	0.13	0.272	O	|	|	|	|	3.14
53.167	0.00	0.13	0.271	O	|	|	|	|	3.14
53.250	0.00	0.13	0.270	O	|	|	|	|	3.13
53.333	0.00	0.13	0.269	O	|	|	|	|	3.13
53.417	0.00	0.13	0.269	O	|	|	|	|	3.13
53.500	0.00	0.13	0.268	O	|	|	|	|	3.13
53.583	0.00	0.13	0.267	O	|	|	|	|	3.12
53.667	0.00	0.13	0.266	O	|	|	|	|	3.12
53.750	0.00	0.13	0.265	O	|	|	|	|	3.12
53.833	0.00	0.13	0.264	O	|	|	|	|	3.11
53.917	0.00	0.13	0.263	O	|	|	|	|	3.11
54.000	0.00	0.13	0.262	O	|	|	|	|	3.11
54.083	0.00	0.13	0.261	O	|	|	|	|	3.10
54.167	0.00	0.13	0.260	O	|	|	|	|	3.10
54.250	0.00	0.13	0.260	O	|	|	|	|	3.10
54.333	0.00	0.13	0.259	O	|	|	|	|	3.10
54.417	0.00	0.13	0.258	O	|	|	|	|	3.09
54.500	0.00	0.13	0.257	O	|	|	|	|	3.09
54.583	0.00	0.13	0.256	O	|	|	|	|	3.09
54.667	0.00	0.13	0.255	O	|	|	|	|	3.08
54.750	0.00	0.13	0.254	O	|	|	|	|	3.08
54.833	0.00	0.13	0.253	O	|	|	|	|	3.08
54.917	0.00	0.13	0.252	O	|	|	|	|	3.07
55.000	0.00	0.13	0.252	O	|	|	|	|	3.07
55.083	0.00	0.13	0.251	O	|	|	|	|	3.07
55.167	0.00	0.13	0.250	O	|	|	|	|	3.07
55.250	0.00	0.13	0.249	O	|	|	|	|	3.06
55.333	0.00	0.13	0.248	O	|	|	|	|	3.06
55.417	0.00	0.13	0.247	O	|	|	|	|	3.06
55.500	0.00	0.13	0.246	O	|	|	|	|	3.05
55.583	0.00	0.13	0.245	O	|	|	|	|	3.05
55.667	0.00	0.13	0.244	O	|	|	|	|	3.05
55.750	0.00	0.13	0.243	O	|	|	|	|	3.04
55.833	0.00	0.13	0.243	O	|	|	|	|	3.04
55.917	0.00	0.13	0.242	O	|	|	|	|	3.04
56.000	0.00	0.13	0.241	O	|	|	|	|	3.04

56.083	0.00	0.13	0.240	O	|	|	|	|	3.03
56.167	0.00	0.13	0.239	O	|	|	|	|	3.03
56.250	0.00	0.13	0.238	O	|	|	|	|	3.03
56.333	0.00	0.13	0.237	O	|	|	|	|	3.02
56.417	0.00	0.13	0.236	O	|	|	|	|	3.02
56.500	0.00	0.13	0.235	O	|	|	|	|	3.02
56.583	0.00	0.13	0.235	O	|	|	|	|	3.02
56.667	0.00	0.13	0.234	O	|	|	|	|	3.01
56.750	0.00	0.13	0.233	O	|	|	|	|	3.01
56.833	0.00	0.13	0.232	O	|	|	|	|	3.01
56.917	0.00	0.13	0.231	O	|	|	|	|	3.00
57.000	0.00	0.13	0.230	O	|	|	|	|	3.00
57.083	0.00	0.13	0.229	O	|	|	|	|	2.99
57.167	0.00	0.13	0.228	O	|	|	|	|	2.98
57.250	0.00	0.13	0.227	O	|	|	|	|	2.97
57.333	0.00	0.13	0.226	O	|	|	|	|	2.96
57.417	0.00	0.13	0.226	O	|	|	|	|	2.96
57.500	0.00	0.13	0.225	O	|	|	|	|	2.95
57.583	0.00	0.13	0.224	O	|	|	|	|	2.94
57.667	0.00	0.13	0.223	O	|	|	|	|	2.93
57.750	0.00	0.13	0.222	O	|	|	|	|	2.92
57.833	0.00	0.13	0.221	O	|	|	|	|	2.91
57.917	0.00	0.13	0.220	O	|	|	|	|	2.90
58.000	0.00	0.13	0.219	O	|	|	|	|	2.89
58.083	0.00	0.13	0.218	O	|	|	|	|	2.88
58.167	0.00	0.13	0.218	O	|	|	|	|	2.88
58.250	0.00	0.13	0.217	O	|	|	|	|	2.87
58.333	0.00	0.13	0.216	O	|	|	|	|	2.86
58.417	0.00	0.13	0.215	O	|	|	|	|	2.85
58.500	0.00	0.13	0.214	O	|	|	|	|	2.84
58.583	0.00	0.13	0.213	O	|	|	|	|	2.83
58.667	0.00	0.13	0.212	O	|	|	|	|	2.82
58.750	0.00	0.13	0.211	O	|	|	|	|	2.81
58.833	0.00	0.13	0.210	O	|	|	|	|	2.80
58.917	0.00	0.13	0.209	O	|	|	|	|	2.79
59.000	0.00	0.13	0.209	O	|	|	|	|	2.79
59.083	0.00	0.13	0.208	O	|	|	|	|	2.78
59.167	0.00	0.13	0.207	O	|	|	|	|	2.77
59.250	0.00	0.13	0.206	O	|	|	|	|	2.76
59.333	0.00	0.13	0.205	O	|	|	|	|	2.75
59.417	0.00	0.13	0.204	O	|	|	|	|	2.74
59.500	0.00	0.13	0.203	O	|	|	|	|	2.73
59.583	0.00	0.13	0.202	O	|	|	|	|	2.72
59.667	0.00	0.13	0.201	O	|	|	|	|	2.71
59.750	0.00	0.13	0.200	O	|	|	|	|	2.70
59.833	0.00	0.13	0.200	O	|	|	|	|	2.69
59.917	0.00	0.13	0.199	O	|	|	|	|	2.67
60.000	0.00	0.13	0.198	O	|	|	|	|	2.66
60.083	0.00	0.13	0.197	O	|	|	|	|	2.64
60.167	0.00	0.13	0.196	O	|	|	|	|	2.62
60.250	0.00	0.13	0.195	O	|	|	|	|	2.60
60.333	0.00	0.13	0.194	O	|	|	|	|	2.58
60.417	0.00	0.13	0.193	O	|	|	|	|	2.57
60.500	0.00	0.13	0.192	O	|	|	|	|	2.55
60.583	0.00	0.13	0.192	O	|	|	|	|	2.53
60.667	0.00	0.13	0.191	O	|	|	|	|	2.51
60.750	0.00	0.13	0.190	O	|	|	|	|	2.50
60.833	0.00	0.13	0.189	O	|	|	|	|	2.48
60.917	0.00	0.13	0.188	O	|	|	|	|	2.46
61.000	0.00	0.13	0.187	O	|	|	|	|	2.44
61.083	0.00	0.13	0.186	O	|	|	|	|	2.42
61.167	0.00	0.13	0.185	O	|	|	|	|	2.41
61.250	0.00	0.13	0.184	O	|	|	|	|	2.39
61.333	0.00	0.13	0.183	O	|	|	|	|	2.37
61.417	0.00	0.13	0.183	O	|	|	|	|	2.35
61.500	0.00	0.13	0.182	O	|	|	|	|	2.33
61.583	0.00	0.13	0.181	O	|	|	|	|	2.32
61.667	0.00	0.13	0.180	O	|	|	|	|	2.30

61.750	0.00	0.13	0.179	O	|	|	|	|	2.29
61.833	0.00	0.13	0.178	O	|	|	|	|	2.28
61.917	0.00	0.13	0.177	O	|	|	|	|	2.27
62.000	0.00	0.13	0.176	O	|	|	|	|	2.26
62.083	0.00	0.13	0.175	O	|	|	|	|	2.25
62.167	0.00	0.13	0.175	O	|	|	|	|	2.25
62.250	0.00	0.13	0.174	O	|	|	|	|	2.24
62.333	0.00	0.13	0.173	O	|	|	|	|	2.23
62.417	0.00	0.13	0.172	O	|	|	|	|	2.22
62.500	0.00	0.13	0.171	O	|	|	|	|	2.21
62.583	0.00	0.13	0.170	O	|	|	|	|	2.20
62.667	0.00	0.13	0.169	O	|	|	|	|	2.19
62.750	0.00	0.13	0.168	O	|	|	|	|	2.18
62.833	0.00	0.13	0.167	O	|	|	|	|	2.17
62.917	0.00	0.13	0.166	O	|	|	|	|	2.16
63.000	0.00	0.13	0.166	O	|	|	|	|	2.16
63.083	0.00	0.13	0.165	O	|	|	|	|	2.15
63.167	0.00	0.13	0.164	O	|	|	|	|	2.14
63.250	0.00	0.13	0.163	O	|	|	|	|	2.13
63.333	0.00	0.13	0.162	O	|	|	|	|	2.12
63.417	0.00	0.13	0.161	O	|	|	|	|	2.11
63.500	0.00	0.13	0.160	O	|	|	|	|	2.10
63.583	0.00	0.13	0.159	O	|	|	|	|	2.09
63.667	0.00	0.13	0.158	O	|	|	|	|	2.08
63.750	0.00	0.13	0.158	O	|	|	|	|	2.08
63.833	0.00	0.13	0.157	O	|	|	|	|	2.07
63.917	0.00	0.13	0.156	O	|	|	|	|	2.06
64.000	0.00	0.13	0.155	O	|	|	|	|	2.05
64.083	0.00	0.13	0.154	O	|	|	|	|	2.04
64.167	0.00	0.13	0.153	O	|	|	|	|	2.03
64.250	0.00	0.13	0.152	O	|	|	|	|	2.02
64.333	0.00	0.13	0.151	O	|	|	|	|	2.01
64.417	0.00	0.13	0.150	O	|	|	|	|	2.00
64.500	0.00	0.13	0.149	O	|	|	|	|	1.99
64.583	0.00	0.13	0.149	O	|	|	|	|	1.98
64.667	0.00	0.13	0.148	O	|	|	|	|	1.97
64.750	0.00	0.13	0.147	O	|	|	|	|	1.95
64.833	0.00	0.13	0.146	O	|	|	|	|	1.94
64.917	0.00	0.13	0.145	O	|	|	|	|	1.92
65.000	0.00	0.13	0.144	O	|	|	|	|	1.91
65.083	0.00	0.13	0.143	O	|	|	|	|	1.90
65.167	0.00	0.13	0.142	O	|	|	|	|	1.88
65.250	0.00	0.13	0.141	O	|	|	|	|	1.87
65.333	0.00	0.13	0.141	O	|	|	|	|	1.86
65.417	0.00	0.13	0.140	O	|	|	|	|	1.84
65.500	0.00	0.13	0.139	O	|	|	|	|	1.83
65.583	0.00	0.13	0.138	O	|	|	|	|	1.82
65.667	0.00	0.13	0.137	O	|	|	|	|	1.80
65.750	0.00	0.13	0.136	O	|	|	|	|	1.79
65.833	0.00	0.13	0.135	O	|	|	|	|	1.78
65.917	0.00	0.13	0.134	O	|	|	|	|	1.76
66.000	0.00	0.13	0.133	O	|	|	|	|	1.75
66.083	0.00	0.13	0.132	O	|	|	|	|	1.74
66.167	0.00	0.13	0.132	O	|	|	|	|	1.72
66.250	0.00	0.13	0.131	O	|	|	|	|	1.71
66.333	0.00	0.13	0.130	O	|	|	|	|	1.70
66.417	0.00	0.13	0.129	O	|	|	|	|	1.68
66.500	0.00	0.13	0.128	O	|	|	|	|	1.67
66.583	0.00	0.13	0.127	O	|	|	|	|	1.66
66.667	0.00	0.13	0.126	O	|	|	|	|	1.65
66.750	0.00	0.13	0.125	O	|	|	|	|	1.64
66.833	0.00	0.13	0.124	O	|	|	|	|	1.63
66.917	0.00	0.13	0.124	O	|	|	|	|	1.61
67.000	0.00	0.13	0.123	O	|	|	|	|	1.60
67.083	0.00	0.13	0.122	O	|	|	|	|	1.59
67.167	0.00	0.13	0.121	O	|	|	|	|	1.58
67.250	0.00	0.13	0.120	O	|	|	|	|	1.57
67.333	0.00	0.13	0.119	O	|	|	|	|	1.55

67.417	0.00	0.13	0.118	O					1.54
67.500	0.00	0.13	0.117	O					1.53
67.583	0.00	0.13	0.116	O					1.52
67.667	0.00	0.13	0.115	O					1.51
67.750	0.00	0.13	0.115	O					1.49
67.833	0.00	0.13	0.114	O					1.48
67.917	0.00	0.13	0.113	O					1.47
68.000	0.00	0.13	0.112	O					1.46
68.083	0.00	0.13	0.111	O					1.45
68.167	0.00	0.13	0.110	O					1.43
68.250	0.00	0.13	0.109	O					1.42
68.333	0.00	0.13	0.108	O					1.41
68.417	0.00	0.13	0.107	O					1.40
68.500	0.00	0.13	0.106	O					1.39
68.583	0.00	0.13	0.106	O					1.37
68.667	0.00	0.13	0.105	O					1.36
68.750	0.00	0.13	0.104	O					1.35
68.833	0.00	0.13	0.103	O					1.34
68.917	0.00	0.13	0.102	O					1.33
69.000	0.00	0.13	0.101	O					1.31
69.083	0.00	0.13	0.100	O					1.30
69.167	0.00	0.13	0.099	O					1.29
69.250	0.00	0.13	0.098	O					1.28
69.333	0.00	0.13	0.098	O					1.26
69.417	0.00	0.13	0.097	O					1.25
69.500	0.00	0.13	0.096	O					1.24
69.583	0.00	0.13	0.095	O					1.22
69.667	0.00	0.13	0.094	O					1.21
69.750	0.00	0.13	0.093	O					1.20
69.833	0.00	0.13	0.092	O					1.18
69.917	0.00	0.13	0.091	O					1.17
70.000	0.00	0.13	0.090	O					1.16
70.083	0.00	0.13	0.089	O					1.14
70.167	0.00	0.13	0.089	O					1.13
70.250	0.00	0.13	0.088	O					1.12
70.333	0.00	0.13	0.087	O					1.10
70.417	0.00	0.13	0.086	O					1.09
70.500	0.00	0.13	0.085	O					1.08
70.583	0.00	0.13	0.084	O					1.06
70.667	0.00	0.13	0.083	O					1.05
70.750	0.00	0.13	0.082	O					1.03
70.833	0.00	0.13	0.081	O					1.02
70.917	0.00	0.13	0.081	O					1.01
71.000	0.00	0.13	0.080	O					1.00
71.083	0.00	0.13	0.079	O					0.98
71.167	0.00	0.13	0.078	O					0.97
71.250	0.00	0.13	0.077	O					0.96
71.333	0.00	0.12	0.076	O					0.95
71.417	0.00	0.12	0.075	O					0.94
71.500	0.00	0.12	0.074	O					0.93
71.583	0.00	0.12	0.074	O					0.92
71.667	0.00	0.12	0.073	O					0.91
71.750	0.00	0.12	0.072	O					0.90
71.833	0.00	0.12	0.071	O					0.89
71.917	0.00	0.11	0.070	O					0.88
72.000	0.00	0.11	0.070	O					0.87
72.083	0.00	0.11	0.069	O					0.86
72.167	0.00	0.11	0.068	O					0.85
72.250	0.00	0.11	0.067	O					0.84
72.333	0.00	0.11	0.067	O					0.83
72.417	0.00	0.11	0.066	O					0.82
72.500	0.00	0.11	0.065	O					0.81
72.583	0.00	0.10	0.064	O					0.80
72.667	0.00	0.10	0.064	O					0.80
72.750	0.00	0.10	0.063	O					0.79
72.833	0.00	0.10	0.062	O					0.78
72.917	0.00	0.10	0.062	O					0.77
73.000	0.00	0.10	0.061	O					0.76

73.083	0.00	0.10	0.060	O	|	|	|	|	0.75
73.167	0.00	0.10	0.060	O	|	|	|	|	0.74
73.250	0.00	0.10	0.059	O	|	|	|	|	0.74
73.333	0.00	0.09	0.058	O	|	|	|	|	0.73
73.417	0.00	0.09	0.058	O	|	|	|	|	0.72
73.500	0.00	0.09	0.057	O	|	|	|	|	0.71
73.583	0.00	0.09	0.056	O	|	|	|	|	0.70
73.667	0.00	0.09	0.056	O	|	|	|	|	0.70
73.750	0.00	0.09	0.055	O	|	|	|	|	0.69
73.833	0.00	0.09	0.054	O	|	|	|	|	0.68
73.917	0.00	0.09	0.054	O	|	|	|	|	0.67
74.000	0.00	0.09	0.053	O	|	|	|	|	0.67
74.083	0.00	0.09	0.053	O	|	|	|	|	0.66
74.167	0.00	0.08	0.052	O	|	|	|	|	0.65
74.250	0.00	0.08	0.051	O	|	|	|	|	0.64
74.333	0.00	0.08	0.051	O	|	|	|	|	0.64
74.417	0.00	0.08	0.050	O	|	|	|	|	0.63
74.500	0.00	0.08	0.050	O	|	|	|	|	0.62
74.583	0.00	0.08	0.049	O	|	|	|	|	0.62
74.667	0.00	0.08	0.049	O	|	|	|	|	0.61
74.750	0.00	0.08	0.048	O	|	|	|	|	0.60
74.833	0.00	0.08	0.048	O	|	|	|	|	0.59
74.917	0.00	0.08	0.047	O	|	|	|	|	0.59
75.000	0.00	0.08	0.047	O	|	|	|	|	0.58
75.083	0.00	0.07	0.046	O	|	|	|	|	0.58
75.167	0.00	0.07	0.046	O	|	|	|	|	0.57
75.250	0.00	0.07	0.045	O	|	|	|	|	0.56
75.333	0.00	0.07	0.044	O	|	|	|	|	0.56
75.417	0.00	0.07	0.044	O	|	|	|	|	0.55
75.500	0.00	0.07	0.044	O	|	|	|	|	0.54
75.583	0.00	0.07	0.043	O	|	|	|	|	0.54
75.667	0.00	0.07	0.043	O	|	|	|	|	0.53
75.750	0.00	0.07	0.042	O	|	|	|	|	0.53
75.833	0.00	0.07	0.042	O	|	|	|	|	0.52
75.917	0.00	0.07	0.041	O	|	|	|	|	0.51
76.000	0.00	0.07	0.041	O	|	|	|	|	0.51
76.083	0.00	0.07	0.040	O	|	|	|	|	0.50
76.167	0.00	0.06	0.040	O	|	|	|	|	0.50
76.250	0.00	0.06	0.039	O	|	|	|	|	0.49
76.333	0.00	0.06	0.039	O	|	|	|	|	0.49
76.417	0.00	0.06	0.038	O	|	|	|	|	0.48
76.500	0.00	0.06	0.038	O	|	|	|	|	0.48
76.583	0.00	0.06	0.038	O	|	|	|	|	0.47
76.667	0.00	0.06	0.037	O	|	|	|	|	0.47
76.750	0.00	0.06	0.037	O	|	|	|	|	0.46
76.833	0.00	0.06	0.036	O	|	|	|	|	0.45
76.917	0.00	0.06	0.036	O	|	|	|	|	0.45
77.000	0.00	0.06	0.036	O	|	|	|	|	0.44
77.083	0.00	0.06	0.035	O	|	|	|	|	0.44
77.167	0.00	0.06	0.035	O	|	|	|	|	0.43
77.250	0.00	0.06	0.034	O	|	|	|	|	0.43
77.333	0.00	0.06	0.034	O	|	|	|	|	0.43
77.417	0.00	0.05	0.034	O	|	|	|	|	0.42
77.500	0.00	0.05	0.033	O	|	|	|	|	0.42
77.583	0.00	0.05	0.033	O	|	|	|	|	0.41
77.667	0.00	0.05	0.033	O	|	|	|	|	0.41
77.750	0.00	0.05	0.032	O	|	|	|	|	0.40
77.833	0.00	0.05	0.032	O	|	|	|	|	0.40
77.917	0.00	0.05	0.031	O	|	|	|	|	0.39
78.000	0.00	0.05	0.031	O	|	|	|	|	0.39
78.083	0.00	0.05	0.031	O	|	|	|	|	0.38
78.167	0.00	0.05	0.030	O	|	|	|	|	0.38
78.250	0.00	0.05	0.030	O	|	|	|	|	0.38
78.333	0.00	0.05	0.030	O	|	|	|	|	0.37
78.417	0.00	0.05	0.029	O	|	|	|	|	0.37
78.500	0.00	0.05	0.029	O	|	|	|	|	0.36
78.583	0.00	0.05	0.029	O	|	|	|	|	0.36
78.667	0.00	0.05	0.028	O	|	|	|	|	0.36

78.750	0.00	0.05	0.028	O	|	|	|	|	0.35
78.833	0.00	0.05	0.028	O	|	|	|	|	0.35
78.917	0.00	0.04	0.028	O	|	|	|	|	0.34
79.000	0.00	0.04	0.027	O	|	|	|	|	0.34
79.083	0.00	0.04	0.027	O	|	|	|	|	0.34
79.167	0.00	0.04	0.027	O	|	|	|	|	0.33
79.250	0.00	0.04	0.026	O	|	|	|	|	0.33
79.333	0.00	0.04	0.026	O	|	|	|	|	0.33
79.417	0.00	0.04	0.026	O	|	|	|	|	0.32
79.500	0.00	0.04	0.025	O	|	|	|	|	0.32
79.583	0.00	0.04	0.025	O	|	|	|	|	0.31
79.667	0.00	0.04	0.025	O	|	|	|	|	0.31
79.750	0.00	0.04	0.025	O	|	|	|	|	0.31
79.833	0.00	0.04	0.024	O	|	|	|	|	0.30
79.917	0.00	0.04	0.024	O	|	|	|	|	0.30
80.000	0.00	0.04	0.024	O	|	|	|	|	0.30
80.083	0.00	0.04	0.024	O	|	|	|	|	0.29
80.167	0.00	0.04	0.023	O	|	|	|	|	0.29
80.250	0.00	0.04	0.023	O	|	|	|	|	0.29
80.333	0.00	0.04	0.023	O	|	|	|	|	0.28
80.417	0.00	0.04	0.022	O	|	|	|	|	0.28
80.500	0.00	0.04	0.022	O	|	|	|	|	0.28
80.583	0.00	0.04	0.022	O	|	|	|	|	0.27
80.667	0.00	0.04	0.022	O	|	|	|	|	0.27
80.750	0.00	0.03	0.021	O	|	|	|	|	0.27
80.833	0.00	0.03	0.021	O	|	|	|	|	0.27
80.917	0.00	0.03	0.021	O	|	|	|	|	0.26
81.000	0.00	0.03	0.021	O	|	|	|	|	0.26
81.083	0.00	0.03	0.021	O	|	|	|	|	0.26
81.167	0.00	0.03	0.020	O	|	|	|	|	0.25
81.250	0.00	0.03	0.020	O	|	|	|	|	0.25
81.333	0.00	0.03	0.020	O	|	|	|	|	0.25
81.417	0.00	0.03	0.020	O	|	|	|	|	0.25
81.500	0.00	0.03	0.019	O	|	|	|	|	0.24
81.583	0.00	0.03	0.019	O	|	|	|	|	0.24
81.667	0.00	0.03	0.019	O	|	|	|	|	0.24
81.750	0.00	0.03	0.019	O	|	|	|	|	0.23
81.833	0.00	0.03	0.019	O	|	|	|	|	0.23
81.917	0.00	0.03	0.018	O	|	|	|	|	0.23
82.000	0.00	0.03	0.018	O	|	|	|	|	0.23
82.083	0.00	0.03	0.018	O	|	|	|	|	0.22
82.167	0.00	0.03	0.018	O	|	|	|	|	0.22
82.250	0.00	0.03	0.018	O	|	|	|	|	0.22
82.333	0.00	0.03	0.017	O	|	|	|	|	0.22
82.417	0.00	0.03	0.017	O	|	|	|	|	0.21
82.500	0.00	0.03	0.017	O	|	|	|	|	0.21
82.583	0.00	0.03	0.017	O	|	|	|	|	0.21
82.667	0.00	0.03	0.017	O	|	|	|	|	0.21
82.750	0.00	0.03	0.016	O	|	|	|	|	0.21
82.833	0.00	0.03	0.016	O	|	|	|	|	0.20
82.917	0.00	0.03	0.016	O	|	|	|	|	0.20
83.000	0.00	0.03	0.016	O	|	|	|	|	0.20
83.083	0.00	0.03	0.016	O	|	|	|	|	0.20
83.167	0.00	0.03	0.016	O	|	|	|	|	0.19
83.250	0.00	0.02	0.015	O	|	|	|	|	0.19
83.333	0.00	0.02	0.015	O	|	|	|	|	0.19
83.417	0.00	0.02	0.015	O	|	|	|	|	0.19
83.500	0.00	0.02	0.015	O	|	|	|	|	0.19
83.583	0.00	0.02	0.015	O	|	|	|	|	0.18
83.667	0.00	0.02	0.015	O	|	|	|	|	0.18
83.750	0.00	0.02	0.014	O	|	|	|	|	0.18
83.833	0.00	0.02	0.014	O	|	|	|	|	0.18
83.917	0.00	0.02	0.014	O	|	|	|	|	0.18
84.000	0.00	0.02	0.014	O	|	|	|	|	0.17
84.083	0.00	0.02	0.014	O	|	|	|	|	0.17
84.167	0.00	0.02	0.014	O	|	|	|	|	0.17
84.250	0.00	0.02	0.013	O	|	|	|	|	0.17
84.333	0.00	0.02	0.013	O	|	|	|	|	0.17

84.417	0.00	0.02	0.013	O	|	|	|	|	0.16
84.500	0.00	0.02	0.013	O	|	|	|	|	0.16
84.583	0.00	0.02	0.013	O	|	|	|	|	0.16
84.667	0.00	0.02	0.013	O	|	|	|	|	0.16
84.750	0.00	0.02	0.013	O	|	|	|	|	0.16
84.833	0.00	0.02	0.012	O	|	|	|	|	0.16
84.917	0.00	0.02	0.012	O	|	|	|	|	0.15
85.000	0.00	0.02	0.012	O	|	|	|	|	0.15
85.083	0.00	0.02	0.012	O	|	|	|	|	0.15
85.167	0.00	0.02	0.012	O	|	|	|	|	0.15
85.250	0.00	0.02	0.012	O	|	|	|	|	0.15
85.333	0.00	0.02	0.012	O	|	|	|	|	0.15
85.417	0.00	0.02	0.011	O	|	|	|	|	0.14
85.500	0.00	0.02	0.011	O	|	|	|	|	0.14
85.583	0.00	0.02	0.011	O	|	|	|	|	0.14
85.667	0.00	0.02	0.011	O	|	|	|	|	0.14
85.750	0.00	0.02	0.011	O	|	|	|	|	0.14
85.833	0.00	0.02	0.011	O	|	|	|	|	0.14
85.917	0.00	0.02	0.011	O	|	|	|	|	0.13
86.000	0.00	0.02	0.011	O	|	|	|	|	0.13
86.083	0.00	0.02	0.011	O	|	|	|	|	0.13
86.167	0.00	0.02	0.010	O	|	|	|	|	0.13
86.250	0.00	0.02	0.010	O	|	|	|	|	0.13
86.333	0.00	0.02	0.010	O	|	|	|	|	0.13
86.417	0.00	0.02	0.010	O	|	|	|	|	0.13
86.500	0.00	0.02	0.010	O	|	|	|	|	0.12
86.583	0.00	0.02	0.010	O	|	|	|	|	0.12
86.667	0.00	0.02	0.010	O	|	|	|	|	0.12
86.750	0.00	0.02	0.010	O	|	|	|	|	0.12
86.833	0.00	0.02	0.009	O	|	|	|	|	0.12
86.917	0.00	0.02	0.009	O	|	|	|	|	0.12
87.000	0.00	0.02	0.009	O	|	|	|	|	0.12
87.083	0.00	0.01	0.009	O	|	|	|	|	0.11
87.167	0.00	0.01	0.009	O	|	|	|	|	0.11
87.250	0.00	0.01	0.009	O	|	|	|	|	0.11
87.333	0.00	0.01	0.009	O	|	|	|	|	0.11
87.417	0.00	0.01	0.009	O	|	|	|	|	0.11
87.500	0.00	0.01	0.009	O	|	|	|	|	0.11
87.583	0.00	0.01	0.009	O	|	|	|	|	0.11
87.667	0.00	0.01	0.008	O	|	|	|	|	0.11
87.750	0.00	0.01	0.008	O	|	|	|	|	0.10
87.833	0.00	0.01	0.008	O	|	|	|	|	0.10
87.917	0.00	0.01	0.008	O	|	|	|	|	0.10
88.000	0.00	0.01	0.008	O	|	|	|	|	0.10
88.083	0.00	0.01	0.008	O	|	|	|	|	0.10
88.167	0.00	0.01	0.008	O	|	|	|	|	0.10
88.250	0.00	0.01	0.008	O	|	|	|	|	0.10
88.333	0.00	0.01	0.008	O	|	|	|	|	0.10
88.417	0.00	0.01	0.008	O	|	|	|	|	0.10
88.500	0.00	0.01	0.008	O	|	|	|	|	0.09
88.583	0.00	0.01	0.008	O	|	|	|	|	0.09
88.667	0.00	0.01	0.007	O	|	|	|	|	0.09
88.750	0.00	0.01	0.007	O	|	|	|	|	0.09
88.833	0.00	0.01	0.007	O	|	|	|	|	0.09
88.917	0.00	0.01	0.007	O	|	|	|	|	0.09
89.000	0.00	0.01	0.007	O	|	|	|	|	0.09
89.083	0.00	0.01	0.007	O	|	|	|	|	0.09
89.167	0.00	0.01	0.007	O	|	|	|	|	0.09
89.250	0.00	0.01	0.007	O	|	|	|	|	0.09
89.333	0.00	0.01	0.007	O	|	|	|	|	0.08
89.417	0.00	0.01	0.007	O	|	|	|	|	0.08
89.500	0.00	0.01	0.007	O	|	|	|	|	0.08
89.583	0.00	0.01	0.007	O	|	|	|	|	0.08
89.667	0.00	0.01	0.006	O	|	|	|	|	0.08
89.750	0.00	0.01	0.006	O	|	|	|	|	0.08
89.833	0.00	0.01	0.006	O	|	|	|	|	0.08
89.917	0.00	0.01	0.006	O	|	|	|	|	0.08
90.000	0.00	0.01	0.006	O	|	|	|	|	0.08

90.083	0.00	0.01	0.006	O	|	|	|	|	0.08
90.167	0.00	0.01	0.006	O	|	|	|	|	0.08
90.250	0.00	0.01	0.006	O	|	|	|	|	0.08
90.333	0.00	0.01	0.006	O	|	|	|	|	0.07
90.417	0.00	0.01	0.006	O	|	|	|	|	0.07
90.500	0.00	0.01	0.006	O	|	|	|	|	0.07
90.583	0.00	0.01	0.006	O	|	|	|	|	0.07
90.667	0.00	0.01	0.006	O	|	|	|	|	0.07
90.750	0.00	0.01	0.006	O	|	|	|	|	0.07
90.833	0.00	0.01	0.006	O	|	|	|	|	0.07
90.917	0.00	0.01	0.005	O	|	|	|	|	0.07
91.000	0.00	0.01	0.005	O	|	|	|	|	0.07
91.083	0.00	0.01	0.005	O	|	|	|	|	0.07
91.167	0.00	0.01	0.005	O	|	|	|	|	0.07
91.250	0.00	0.01	0.005	O	|	|	|	|	0.07
91.333	0.00	0.01	0.005	O	|	|	|	|	0.06
91.417	0.00	0.01	0.005	O	|	|	|	|	0.06
91.500	0.00	0.01	0.005	O	|	|	|	|	0.06
91.583	0.00	0.01	0.005	O	|	|	|	|	0.06
91.667	0.00	0.01	0.005	O	|	|	|	|	0.06
91.750	0.00	0.01	0.005	O	|	|	|	|	0.06
91.833	0.00	0.01	0.005	O	|	|	|	|	0.06
91.917	0.00	0.01	0.005	O	|	|	|	|	0.06
92.000	0.00	0.01	0.005	O	|	|	|	|	0.06
92.083	0.00	0.01	0.005	O	|	|	|	|	0.06
92.167	0.00	0.01	0.005	O	|	|	|	|	0.06
92.250	0.00	0.01	0.005	O	|	|	|	|	0.06
92.333	0.00	0.01	0.005	O	|	|	|	|	0.06
92.417	0.00	0.01	0.004	O	|	|	|	|	0.06
92.500	0.00	0.01	0.004	O	|	|	|	|	0.06
92.583	0.00	0.01	0.004	O	|	|	|	|	0.05
92.667	0.00	0.01	0.004	O	|	|	|	|	0.05
92.750	0.00	0.01	0.004	O	|	|	|	|	0.05
92.833	0.00	0.01	0.004	O	|	|	|	|	0.05
92.917	0.00	0.01	0.004	O	|	|	|	|	0.05
93.000	0.00	0.01	0.004	O	|	|	|	|	0.05
93.083	0.00	0.01	0.004	O	|	|	|	|	0.05
93.167	0.00	0.01	0.004	O	|	|	|	|	0.05
93.250	0.00	0.01	0.004	O	|	|	|	|	0.05
93.333	0.00	0.01	0.004	O	|	|	|	|	0.05
93.417	0.00	0.01	0.004	O	|	|	|	|	0.05
93.500	0.00	0.01	0.004	O	|	|	|	|	0.05
93.583	0.00	0.01	0.004	O	|	|	|	|	0.05
93.667	0.00	0.01	0.004	O	|	|	|	|	0.05
93.750	0.00	0.01	0.004	O	|	|	|	|	0.05
93.833	0.00	0.01	0.004	O	|	|	|	|	0.05
93.917	0.00	0.01	0.004	O	|	|	|	|	0.05
94.000	0.00	0.01	0.004	O	|	|	|	|	0.05
94.083	0.00	0.01	0.004	O	|	|	|	|	0.04
94.167	0.00	0.01	0.004	O	|	|	|	|	0.04
94.250	0.00	0.01	0.004	O	|	|	|	|	0.04
94.333	0.00	0.01	0.003	O	|	|	|	|	0.04
94.417	0.00	0.01	0.003	O	|	|	|	|	0.04
94.500	0.00	0.01	0.003	O	|	|	|	|	0.04
94.583	0.00	0.01	0.003	O	|	|	|	|	0.04
94.667	0.00	0.01	0.003	O	|	|	|	|	0.04
94.750	0.00	0.01	0.003	O	|	|	|	|	0.04
94.833	0.00	0.01	0.003	O	|	|	|	|	0.04
94.917	0.00	0.01	0.003	O	|	|	|	|	0.04
95.000	0.00	0.01	0.003	O	|	|	|	|	0.04
95.083	0.00	0.01	0.003	O	|	|	|	|	0.04
95.167	0.00	0.01	0.003	O	|	|	|	|	0.04
95.250	0.00	0.00	0.003	O	|	|	|	|	0.04
95.333	0.00	0.00	0.003	O	|	|	|	|	0.04
95.417	0.00	0.00	0.003	O	|	|	|	|	0.04
95.500	0.00	0.00	0.003	O	|	|	|	|	0.04
95.583	0.00	0.00	0.003	O	|	|	|	|	0.04
95.667	0.00	0.00	0.003	O	|	|	|	|	0.04

95.750	0.00	0.00	0.003	O					0.04
95.833	0.00	0.00	0.003	O					0.04
95.917	0.00	0.00	0.003	O					0.04
96.000	0.00	0.00	0.003	O					0.03
96.083	0.00	0.00	0.003	O					0.03
96.167	0.00	0.00	0.003	O					0.03
96.250	0.00	0.00	0.003	O					0.03
96.333	0.00	0.00	0.003	O					0.03
96.417	0.00	0.00	0.003	O					0.03
96.500	0.00	0.00	0.003	O					0.03
96.583	0.00	0.00	0.003	O					0.03
96.667	0.00	0.00	0.003	O					0.03
96.750	0.00	0.00	0.003	O					0.03
96.833	0.00	0.00	0.002	O					0.03
96.917	0.00	0.00	0.002	O					0.03
97.000	0.00	0.00	0.002	O					0.03
97.083	0.00	0.00	0.002	O					0.03
97.167	0.00	0.00	0.002	O					0.03
97.250	0.00	0.00	0.002	O					0.03
97.333	0.00	0.00	0.002	O					0.03
97.417	0.00	0.00	0.002	O					0.03
97.500	0.00	0.00	0.002	O					0.03
97.583	0.00	0.00	0.002	O					0.03
97.667	0.00	0.00	0.002	O					0.03
97.750	0.00	0.00	0.002	O					0.03
97.833	0.00	0.00	0.002	O					0.03
97.917	0.00	0.00	0.002	O					0.03
98.000	0.00	0.00	0.002	O					0.03
98.083	0.00	0.00	0.002	O					0.03
98.167	0.00	0.00	0.002	O					0.03
98.250	0.00	0.00	0.002	O					0.03
98.333	0.00	0.00	0.002	O					0.03
98.417	0.00	0.00	0.002	O					0.03
98.500	0.00	0.00	0.002	O					0.02
98.583	0.00	0.00	0.002	O					0.02
98.667	0.00	0.00	0.002	O					0.02
98.750	0.00	0.00	0.002	O					0.02
98.833	0.00	0.00	0.002	O					0.02
98.917	0.00	0.00	0.002	O					0.02
99.000	0.00	0.00	0.002	O					0.02
99.083	0.00	0.00	0.002	O					0.02
99.167	0.00	0.00	0.002	O					0.02
99.250	0.00	0.00	0.002	O					0.02
99.333	0.00	0.00	0.002	O					0.02
99.417	0.00	0.00	0.002	O					0.02
99.500	0.00	0.00	0.002	O					0.02
99.583	0.00	0.00	0.002	O					0.02
99.667	0.00	0.00	0.002	O					0.02
99.750	0.00	0.00	0.002	O					0.02
99.833	0.00	0.00	0.002	O					0.02
99.917	0.00	0.00	0.002	O					0.02
100.000	0.00	0.00	0.002	O					0.02
100.083	0.00	0.00	0.002	O					0.02
100.167	0.00	0.00	0.002	O					0.02
100.250	0.00	0.00	0.002	O					0.02
100.333	0.00	0.00	0.002	O					0.02
100.417	0.00	0.00	0.002	O					0.02
100.500	0.00	0.00	0.002	O					0.02
100.583	0.00	0.00	0.001	O					0.02
100.667	0.00	0.00	0.001	O					0.02
100.750	0.00	0.00	0.001	O					0.02
100.833	0.00	0.00	0.001	O					0.02
100.917	0.00	0.00	0.001	O					0.02
101.000	0.00	0.00	0.001	O					0.02
101.083	0.00	0.00	0.001	O					0.02
101.167	0.00	0.00	0.001	O					0.02
101.250	0.00	0.00	0.001	O					0.02
101.333	0.00	0.00	0.001	O					0.02

101.417	0.00	0.00	0.001	O	|	|	|	|	0.02
101.500	0.00	0.00	0.001	O	|	|	|	|	0.02
101.583	0.00	0.00	0.001	O	|	|	|	|	0.02
101.667	0.00	0.00	0.001	O	|	|	|	|	0.02
101.750	0.00	0.00	0.001	O	|	|	|	|	0.02
101.833	0.00	0.00	0.001	O	|	|	|	|	0.02
101.917	0.00	0.00	0.001	O	|	|	|	|	0.02
102.000	0.00	0.00	0.001	O	|	|	|	|	0.02
102.083	0.00	0.00	0.001	O	|	|	|	|	0.02
102.167	0.00	0.00	0.001	O	|	|	|	|	0.02
102.250	0.00	0.00	0.001	O	|	|	|	|	0.01
102.333	0.00	0.00	0.001	O	|	|	|	|	0.01
102.417	0.00	0.00	0.001	O	|	|	|	|	0.01
102.500	0.00	0.00	0.001	O	|	|	|	|	0.01
102.583	0.00	0.00	0.001	O	|	|	|	|	0.01
102.667	0.00	0.00	0.001	O	|	|	|	|	0.01
102.750	0.00	0.00	0.001	O	|	|	|	|	0.01
102.833	0.00	0.00	0.001	O	|	|	|	|	0.01
102.917	0.00	0.00	0.001	O	|	|	|	|	0.01
103.000	0.00	0.00	0.001	O	|	|	|	|	0.01
103.083	0.00	0.00	0.001	O	|	|	|	|	0.01
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103.250	0.00	0.00	0.001	O	|	|	|	|	0.01
103.333	0.00	0.00	0.001	O	|	|	|	|	0.01
103.417	0.00	0.00	0.001	O	|	|	|	|	0.01
103.500	0.00	0.00	0.001	O	|	|	|	|	0.01
103.583	0.00	0.00	0.001	O	|	|	|	|	0.01
103.667	0.00	0.00	0.001	O	|	|	|	|	0.01
103.750	0.00	0.00	0.001	O	|	|	|	|	0.01
103.833	0.00	0.00	0.001	O	|	|	|	|	0.01
103.917	0.00	0.00	0.001	O	|	|	|	|	0.01
104.000	0.00	0.00	0.001	O	|	|	|	|	0.01
104.083	0.00	0.00	0.001	O	|	|	|	|	0.01
104.167	0.00	0.00	0.001	O	|	|	|	|	0.01
104.250	0.00	0.00	0.001	O	|	|	|	|	0.01
104.333	0.00	0.00	0.001	O	|	|	|	|	0.01
104.417	0.00	0.00	0.001	O	|	|	|	|	0.01
104.500	0.00	0.00	0.001	O	|	|	|	|	0.01
104.583	0.00	0.00	0.001	O	|	|	|	|	0.01
104.667	0.00	0.00	0.001	O	|	|	|	|	0.01
104.750	0.00	0.00	0.001	O	|	|	|	|	0.01
104.833	0.00	0.00	0.001	O	|	|	|	|	0.01
104.917	0.00	0.00	0.001	O	|	|	|	|	0.01
105.000	0.00	0.00	0.001	O	|	|	|	|	0.01
105.083	0.00	0.00	0.001	O	|	|	|	|	0.01
105.167	0.00	0.00	0.001	O	|	|	|	|	0.01
105.250	0.00	0.00	0.001	O	|	|	|	|	0.01
105.333	0.00	0.00	0.001	O	|	|	|	|	0.01
105.417	0.00	0.00	0.001	O	|	|	|	|	0.01
105.500	0.00	0.00	0.001	O	|	|	|	|	0.01
105.583	0.00	0.00	0.001	O	|	|	|	|	0.01
105.667	0.00	0.00	0.001	O	|	|	|	|	0.01
105.750	0.00	0.00	0.001	O	|	|	|	|	0.01
105.833	0.00	0.00	0.001	O	|	|	|	|	0.01
105.917	0.00	0.00	0.001	O	|	|	|	|	0.01
106.000	0.00	0.00	0.001	O	|	|	|	|	0.01
106.083	0.00	0.00	0.001	O	|	|	|	|	0.01
106.167	0.00	0.00	0.001	O	|	|	|	|	0.01
106.250	0.00	0.00	0.001	O	|	|	|	|	0.01
106.333	0.00	0.00	0.001	O	|	|	|	|	0.01
106.417	0.00	0.00	0.001	O	|	|	|	|	0.01
106.500	0.00	0.00	0.001	O	|	|	|	|	0.01
106.583	0.00	0.00	0.001	O	|	|	|	|	0.01
106.667	0.00	0.00	0.001	O	|	|	|	|	0.01
106.750	0.00	0.00	0.001	O	|	|	|	|	0.01
106.833	0.00	0.00	0.001	O	|	|	|	|	0.01
106.917	0.00	0.00	0.001	O	|	|	|	|	0.01
107.000	0.00	0.00	0.001	O	|	|	|	|	0.01

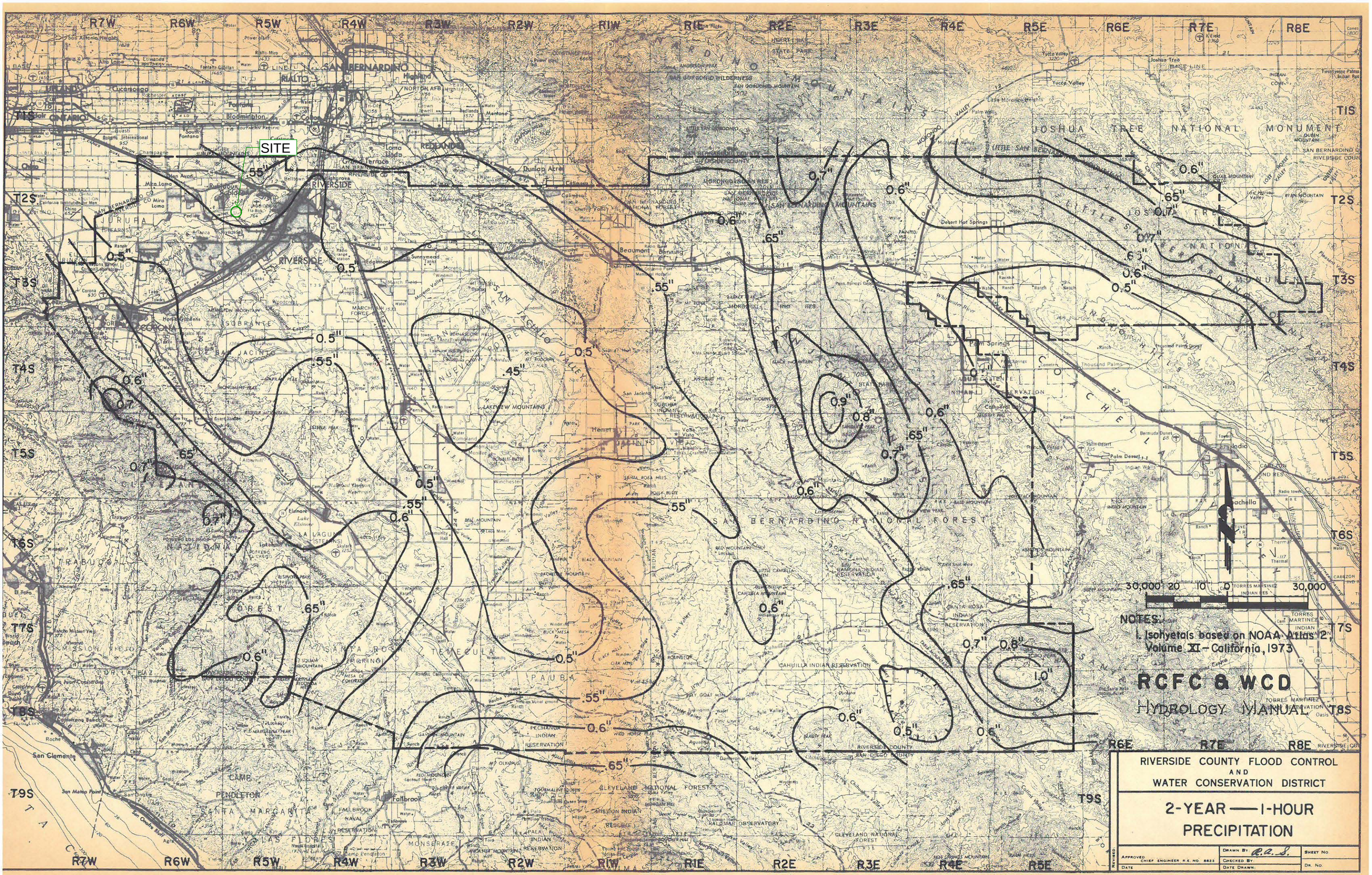
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107.083    0.00    0.00      0.001  O       |       |       |       |     0.01
107.167    0.00    0.00      0.001  O       |       |       |       |     0.01
107.250    0.00    0.00      0.001  O       |       |       |       |     0.01

      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =  1287
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =       29.733 (CFS)
                  Total volume =       2.536 (Ac.Ft)
            Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
      ***********************************************************************

      ----------------------------------------------------------------------
```

SECTION 5

REFERNCE



NOTES:
1. Isohyetals based on NOAA Atlas 2, Volume XI – California, 1973

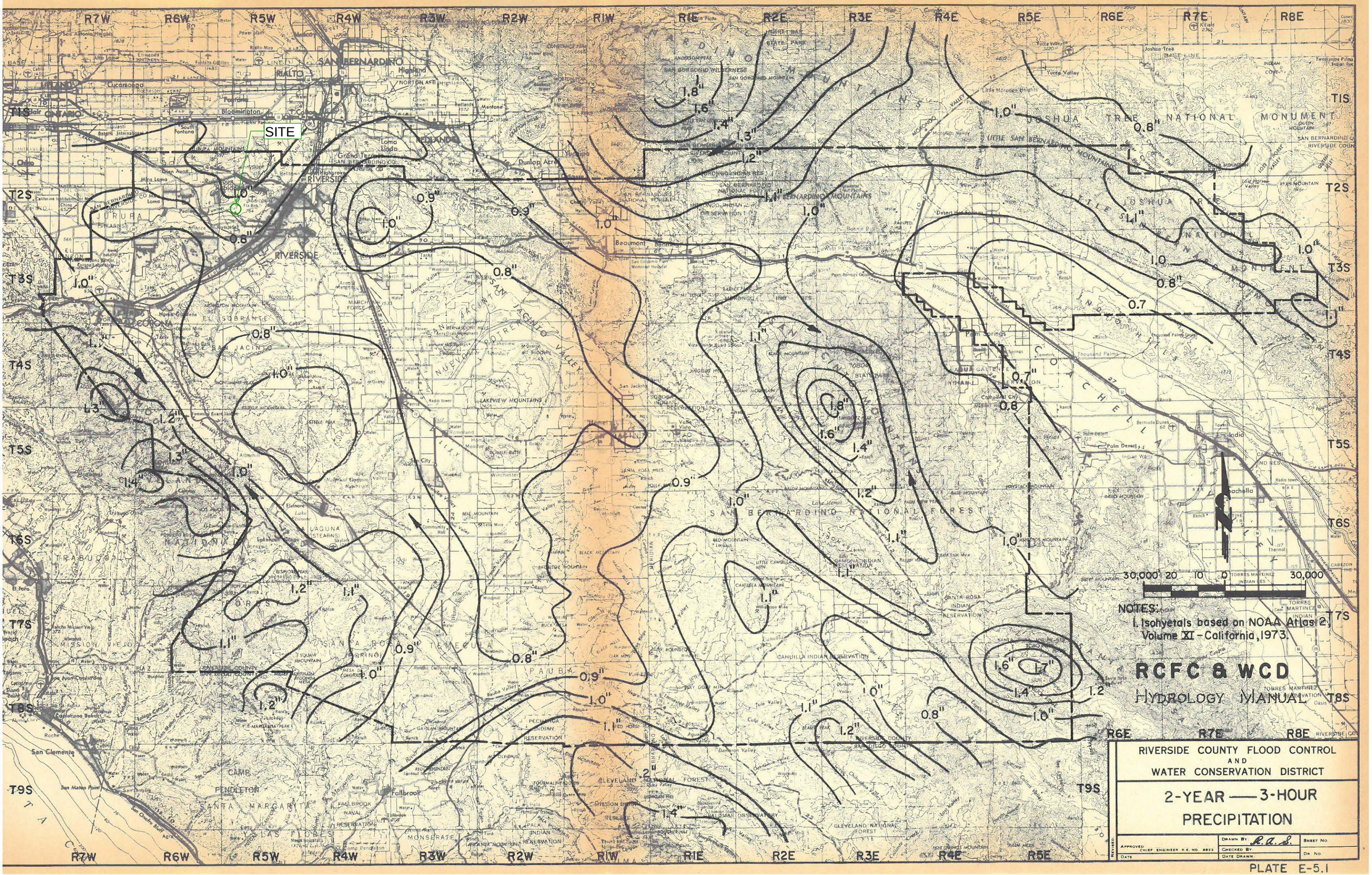
RCFC & WCD
HYDROLOGY MANUAL

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

2-YEAR — 1-HOUR PRECIPITATION

APPROVED CHIEF ENGINEER R.E. NO. 5822	DRAWN BY A.A.S.	SHEET NO.
DATE	CHECKED BY	DR. NO.
REVISED	DATE DRAWN:	

PLATE D-4.3



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RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

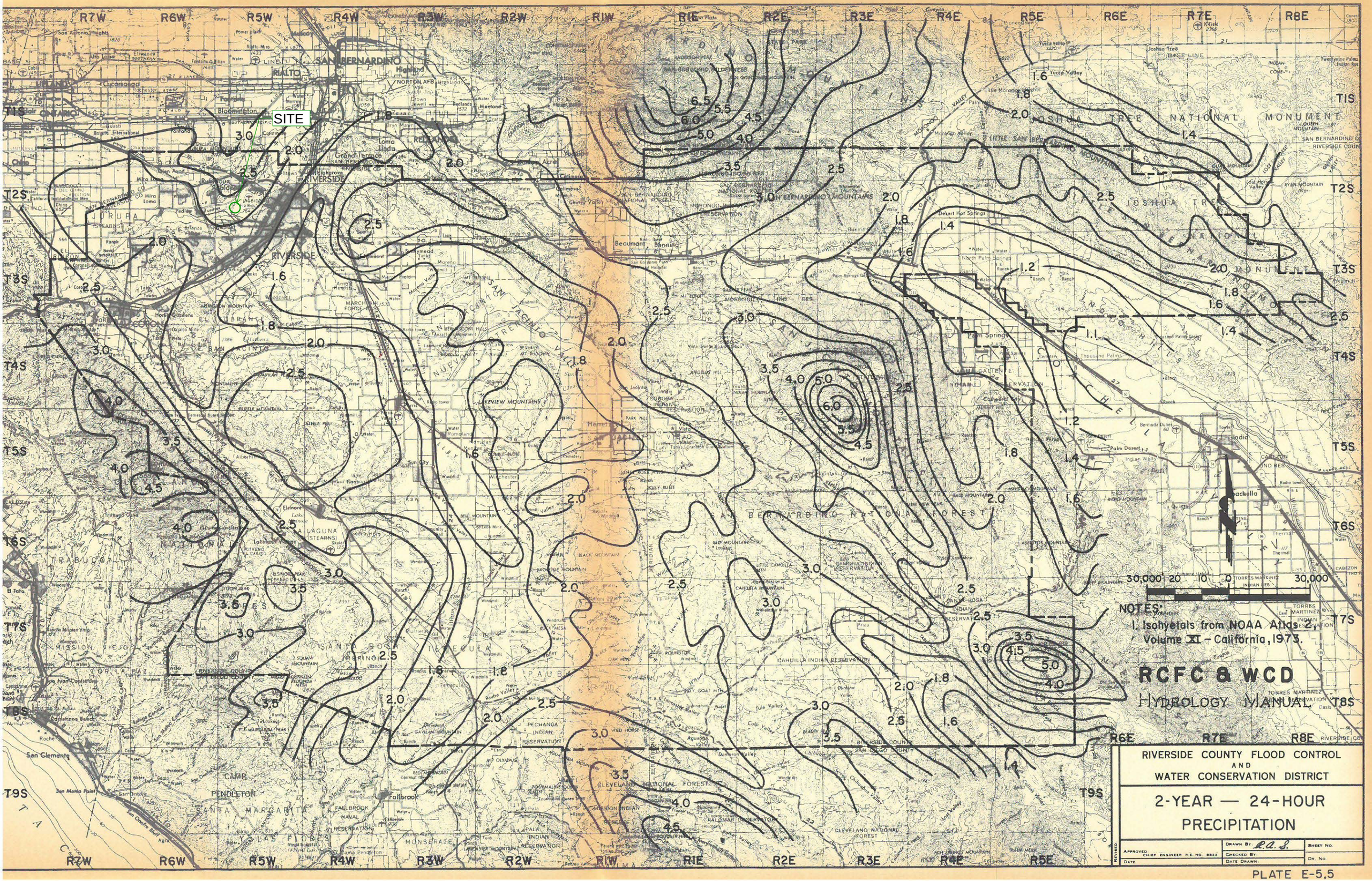
2-YEAR — 3-HOUR PRECIPITATION

APPROVED CHIEF ENGINEER R.E. NO. 8822	DRAWN BY R.A.S.	SHEET NO.
DATE	CHECKED BY	DR. NO.
REVISED	DATE DRAWN	

PLATE E-5.1


SITE
1.4
1.6
1.2
1.8
2.0
2.2
2.4
2.6
2.8
1.0
.8
SAN BERNARDINO
RIALTO
RIVERSIDE
Beaumont
Banning
Loma Linda
Redlands
Grand Terrace
Colton
Bloomington
Mentone
Highland
Yucaipa
Yucca Valley
Joshua Tree
Palm Springs
Desert Hot Springs
Cathedral City
Thousand Palms
Indio
Coachella
Palm Desert
Indian Wells
La Quinta
Hemet
San Jacinto
Winchester
Sun City
Menifee
Perris
Lake Elsinore
Canyon Lake
Temecula
Murrieta
Fallbrook
San Clemente
Camp Pendleton
MARCH AFB
NORTON AFB
SAN BERNARDINO MOUNTAINS
SAN JACINTO MOUNTAINS
SAN JACINTO VALLEY
SAN GORGONIO WILDERNESS
SAN GORGONIO MOUNTAIN
SAN BERNARDINO NATIONAL FOREST
JOSHUA TREE NATIONAL MONUMENT
LITTLE SAN BERNARDINO MOUNTAINS
MORONGO INDIAN RESERVATION
AGUA CALIENTE INDIAN RESERVATION
SANTA ROSA INDIAN RESERVATION
CAHUILLA INDIAN RESERVATION
PECHANGA INDIAN RESERVATION
SAN JACINTO INDIAN RESERVATION
CLEVELAND NATIONAL FOREST
CAMP PENDLETON
SANTA MARGARITA
LAS FLORES
MONSERATE
T1S
T2S
T3S
T4S
T5S
T6S
T7S
T8S
T9S
R7W
R6W
R5W
R4W
R3W
R2W
R1W
R1E
R2E
R3E
R4E
R5E
R6E
R7E
R8E
30,000 20 10 0 30,000
NOTES:
1. Isohyetals from NOAA Atlas 2, Volume XI - California, 1973
RCFC & WCD
HYDROLOGY MANUAL
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
2-YEAR — 6-HOUR PRECIPITATION
APPROVED CHIEF ENGINEER R.E. NO. 8822
DATE
DRAWN BY:
CHECKED BY:
DATE DRAWN:
SHEET NO.
DR. NO.
REVISED

PLATE E-5.3



NOTES:
1. Isohyetals from NOAA Atlas 2, Volume XI – California, 1973.

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HYDROLOGY MANUAL

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

2-YEAR — 24-HOUR PRECIPITATION

APPROVED: CHIEF ENGINEER R.E. NO. 8822	DRAWN BY: R.A.S.	SHEET NO.
DATE	CHECKED BY:	DR. NO.
REVISED	DATE DRAWN:	

PLATE E-5.5

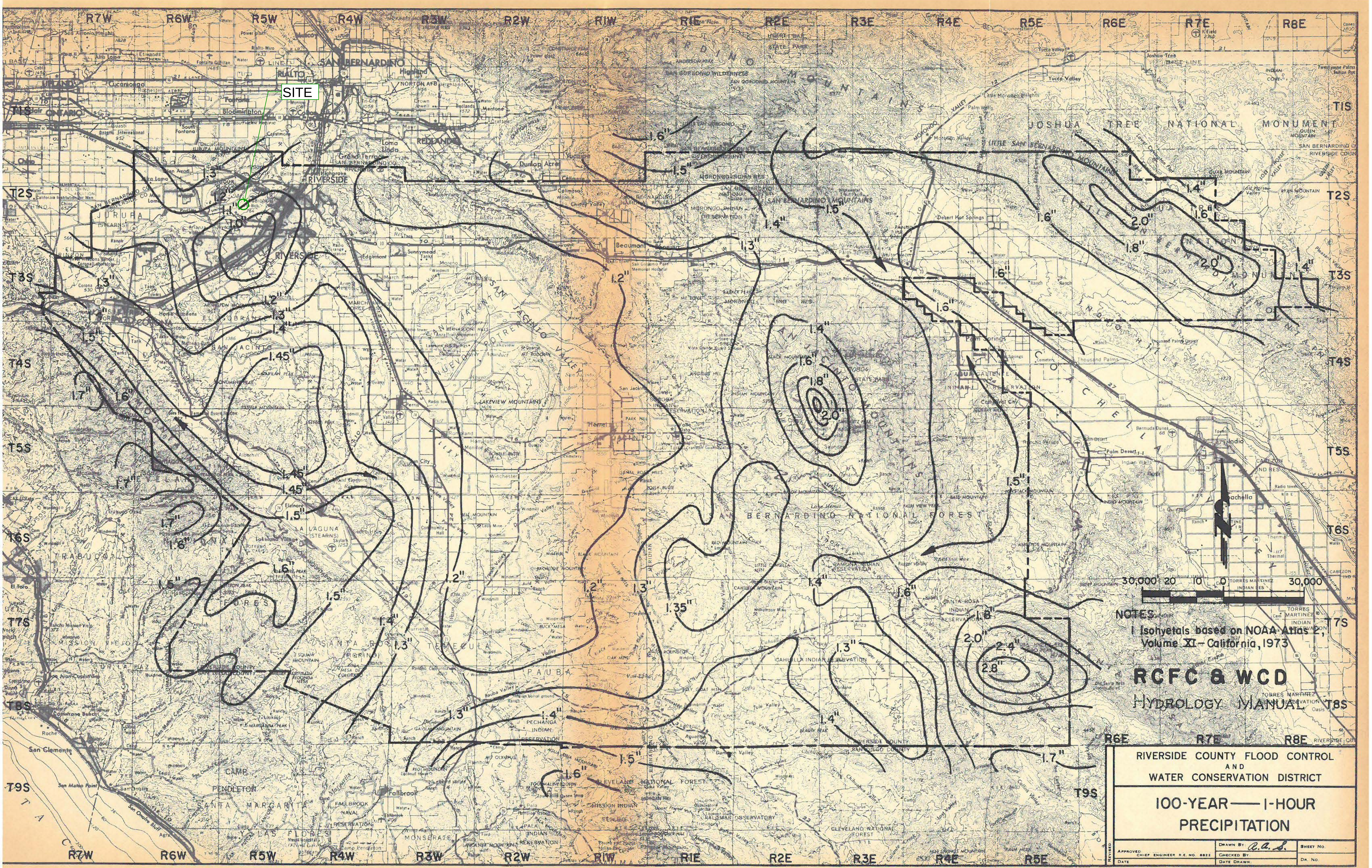

SITE
R7W R6W R5W R4W R3W R2W R1W R1E R2E R3E R4E R5E R6E R7E R8E
T1S T2S T3S T4S T5S T6S T7S T8S T9S
SAN BERNARDINO
RIVERSIDE
JOSHUA TREE NATIONAL MONUMENT
SAN BERNARDINO MOUNTAINS
SAN JACINTO MOUNTAINS
SAN BERNARDINO NATIONAL FOREST
CLEVELAND NATIONAL FOREST
COACHELLA VALLEY
CAMP PENDLETON
1.0" 1.1" 1.2" 1.3" 1.35" 1.4" 1.45" 1.5" 1.6" 1.7" 1.8" 2.0" 2.4" 2.8"
30,000 20 10 0 30,000
NOTES
1 Isohyetals based on NOAA Atlas 2, Volume XI - California, 1973
RCFC & WCD
HYDROLOGY MANUAL
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
100-YEAR — 1-HOUR PRECIPITATION
APPROVED CHIEF ENGINEER R.E. NO. 8822
DATE
DRAWN BY R.A.S.
CHECKED BY
DATE DRAWN
SHEET NO.
DR. NO.
REVISED

PLATE D-4.4

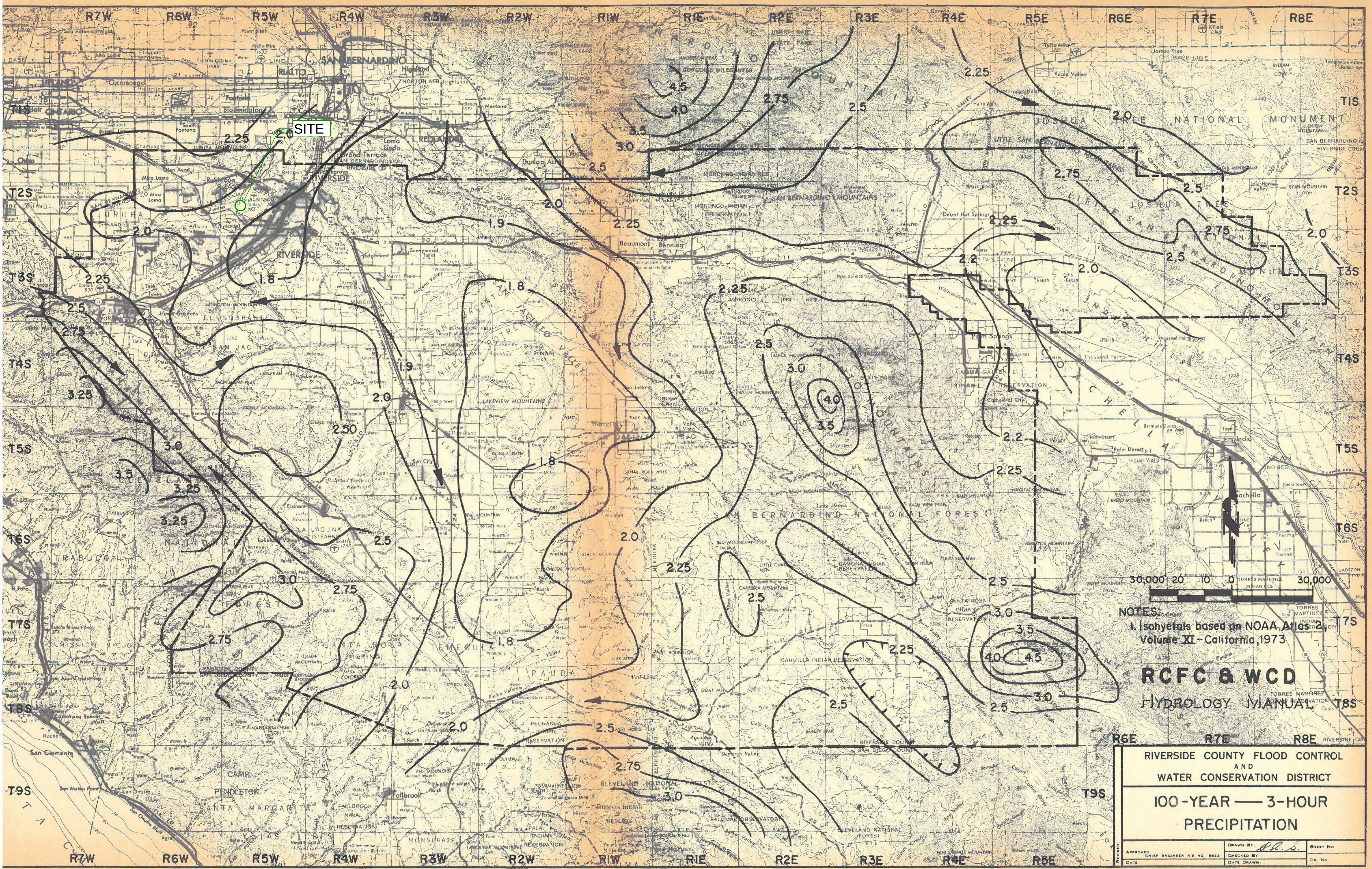
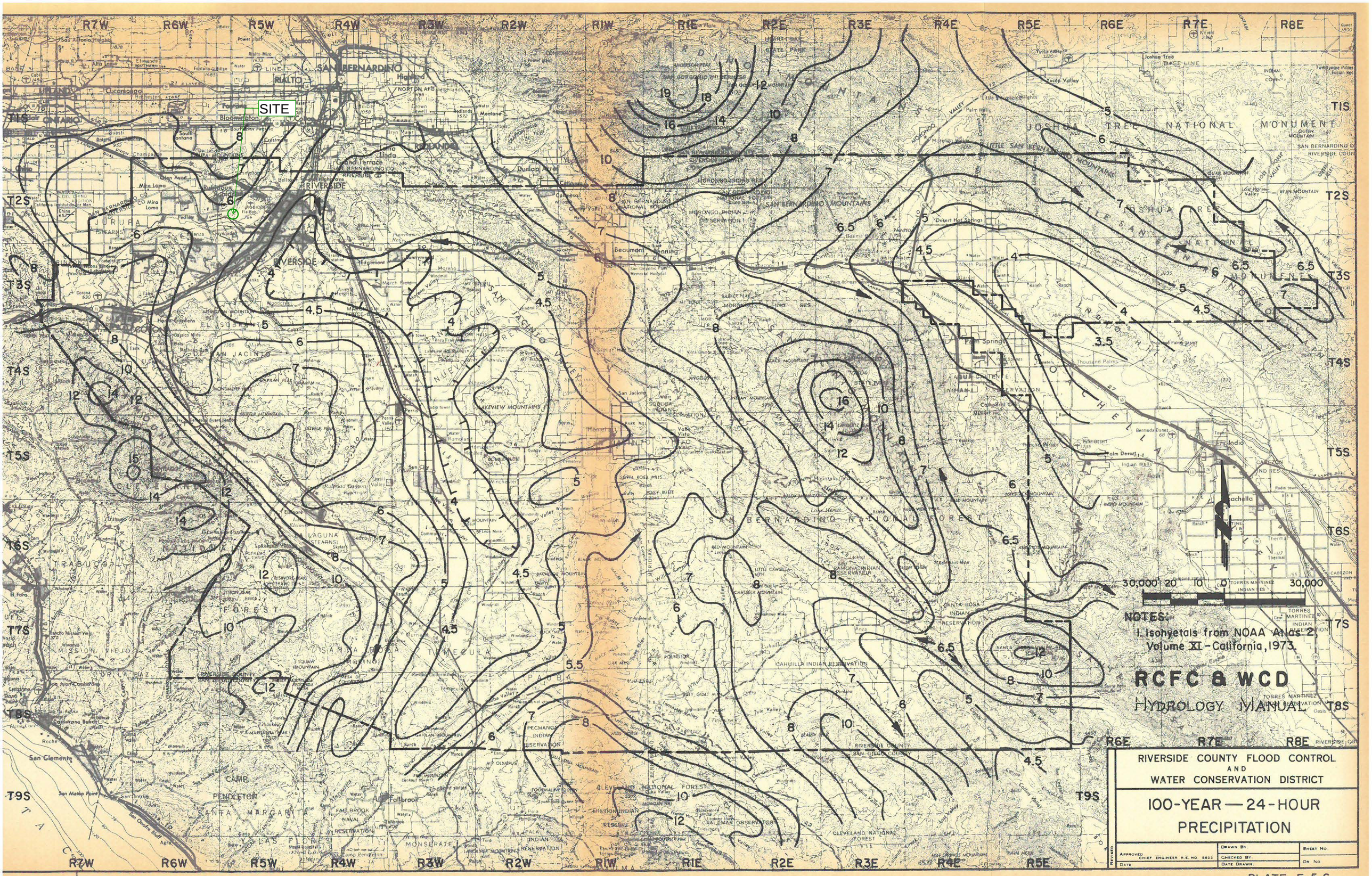

SITE
NOTES:
1. Isohyetals based on NOAA Atlas 2, Volume XI - California, 1973
RCFC & WCD
HYDROLOGY MANUAL
30,000 20 10 0 30,000
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
100-YEAR — 3-HOUR PRECIPITATION
APPROVED CHIEF ENGINEER R.E. NO. 8822
DATE
DRAWN BY
CHECKED BY
DATE DRAWN
SHEET NO.
DR. NO.
REVISED
R7W R6W R5W R4W R3W R2W R1W R1E R2E R3E R4E R5E R6E R7E R8E
T1S T2S T3S T4S T5S T6S T7S T8S T9S
SAN BERNARDINO
RIVERSIDE
JOSHUA TREE NATIONAL MONUMENT
SAN BERNARDINO NATIONAL FOREST
CLEVELAND NATIONAL FOREST
SAN BERNARDINO CO
RIVERSIDE CO
RIVERSIDE COUNTY
SAN DIEGO COUNTY

PLATE E-5.2


SITE
NOTES:
1. Isohyetals from NOAA Atlas 2, Volume XI - California, 1973
RCFC & WCD
HYDROLOGY MANUAL
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
100-YEAR — 6-HOUR PRECIPITATION
PLATE E-5.4



NOTES:
1. Isohyetals from NOAA Atlas 2, Volume XI - California, 1973.

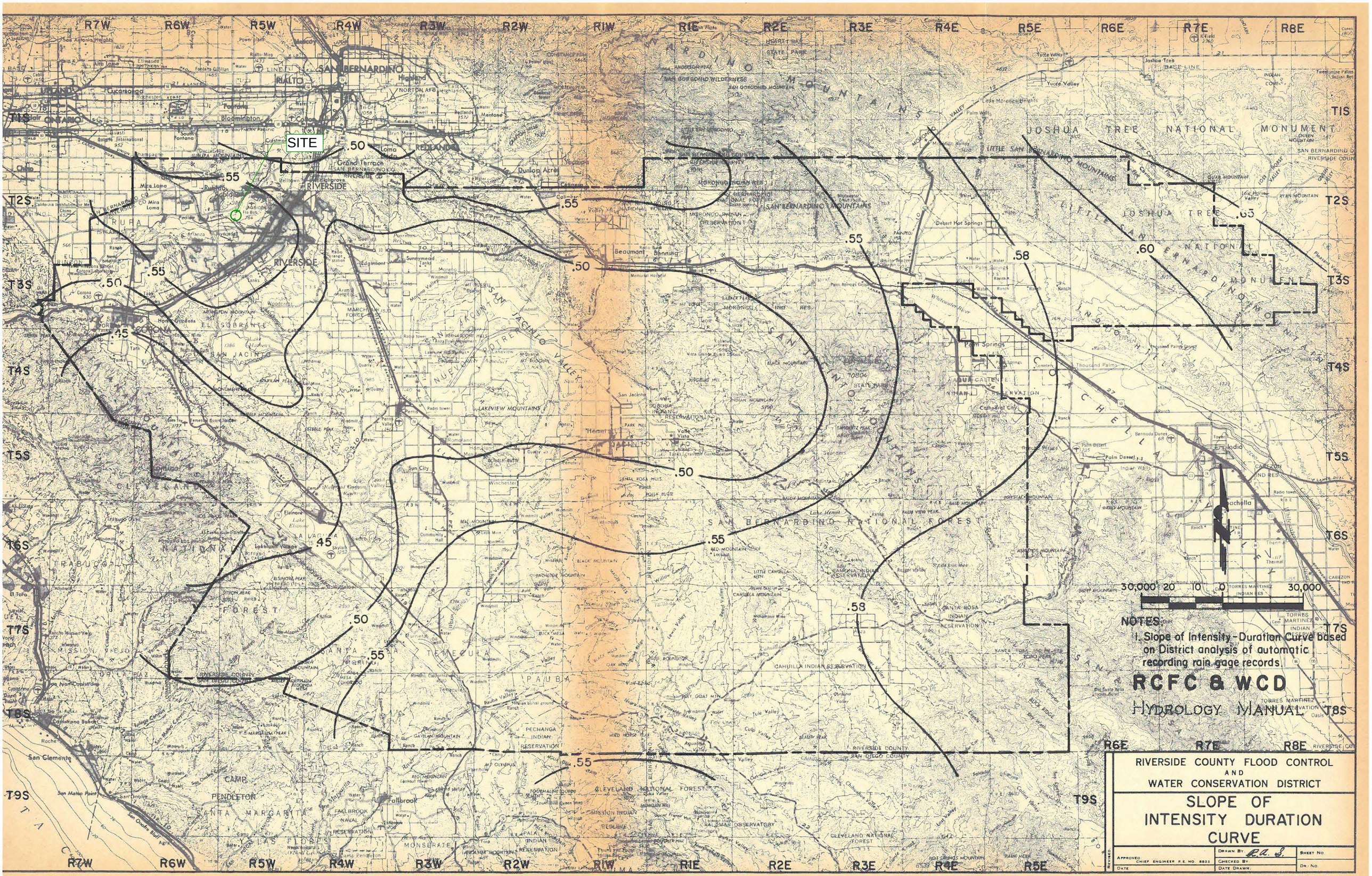
RCFC & WCD
HYDROLOGY MANUAL

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

100-YEAR — 24-HOUR PRECIPITATION

APPROVED CHIEF ENGINEER R.E. NO. 8822	DRAWN BY	SHEET NO
DATE	CHECKED BY	DR. NO
REVISED	DATE DRAWN	

PLATE E-5.6



NOTES:

1. Slope of Intensity-Duration Curve based on District analysis of automatic recording rain gage records.

RCFC & WCD

HYDROLOGY MANUAL

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

SLOPE OF INTENSITY DURATION CURVE

APPROVED: CHIEF ENGINEER R.E. NO. 8822	DRAWN BY: R.A.S.	SHEET NO.
DATE	CHECKED BY:	DR. NO.
REVISED	DATE DRAWN:	

PLATE D-4.6

LEGEND

—— SOILS GROUP BOUNDARY

A SOILS GROUP DESIGNATION

RCFC & WCD

HYDROLOGY MANUAL

0 FEET

HYDROLOGIC SOILS GROUP MAP FOR RIVERSIDE—WEST

PLATE C-1.15