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FLOOD HYDROGRAPH PACKAGE (HEC-1)

JUN 1998

VERSION 4.1

RUN DATE 03MAY16 TIME 17:10:14

*

day1.out

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U.S. ARMY CORPS OF ENGINEERS

HYDROLOGIC ENGINEERING CENTER

609 SECOND STREET

DAVIS, CALIFORNIA 95616

(916) 756-1104

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X      X  XXXXXXX  XXXXX      X
X      X  X      X      X      XX
X      X  X      X      X      X
XXXXXXX  XXXX      X      XXXXX  X
X      X  X      X      X      X
X      X  X      X      X      X
X      X  XXXXXXX  XXXXX      XXX

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THIS PROGRAM REPLACES ALL PREVIOUS VERSIONS OF HEC-1 KNOWN AS HEC1 (JAN 73), HEC1GS, HEC1DB, AND HEC1KW.

THE DEFINITIONS OF VARIABLES -RTIMP- AND -RTIOR- HAVE CHANGED FROM THOSE USED WITH THE 1973-STYLE INPUT STRUCTURE. THE DEFINITION OF -AMSKK- ON RM-CARD WAS CHANGED WITH REVISIONS DATED 28 SEP 81. THIS IS THE FORTRAN77 VERSION

NEW OPTIONS: DAMBREAK OUTFLOW SUBMERGENCE , SINGLE EVENT DAMAGE CALCULATION, DSS:WRITE STAGE FREQUENCY, DSS:READ TIME SERIES AT DESIRED CALCULATION INTERVAL LOSS RATE:GREEN AND AMPT INFILTRATION

KINEMATIC WAVE: NEW FINITE DIFFERENCE ALGORITHM

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HEC-1 INPUT

PAGE 1

LINE	ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
1	ID 100-YEAR 24-HOUR STORM DAY 1 OF THREE DAY STORM: STAGE III PROJECT: DATE: JANUARY 10,2017
2	ID NOAA 14 RAINFALL UPDATE
3	ID DEPTH AREA REDUCTION FACTOR (based on NOAA 2) for 4 CONCENTRATION POINT
4	ID WEBB ASSOCITES BASE FILE OF SAN JACINTO RIVER
5	ID BASED ON FILE sjrre1.dat by WEST CONSULTANTS INC.
6	ID FOR RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
7	ID ** ORIGINAL FILE: SAN JACINTO RIVER HYDROLOGY BACKUPS (ALTERNATIVE F)
8	ID ** LAPRE1 FILENAMES: 2SJR24
9	ID ** HEC-1 FILENAMES: 2SJR24.DAT/2SJR24.OUT DATE: SEPTEMBER, 1993
10	ID ** INFORMATION USED WAS BASED ON PREVIOUS WORKS PERFORMED BY F.J.P.
11	ID ** PERRIS VALLEY WATERSHED WAS OBTAINED FROM B.C.'S PREVIOUS WORK
12	ID SV-SQ DATA FOR MODIFIED PULS ROUTING FROM HEC-RAS HYDRAULIC MODEL
13	ID HEC-1 FILENAMES: REMLF.DAT/REMLF.OUT DATE: APR 2010

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                                day1.out
14      ID      For San Jacinto Floodplain update do not use routed flows downstream
15      ID      of Bridge Street.  HEC-RAS will be used to route the hydrographs from
16      ID      this model in an unsteady simulation.  jcc  16AUG2010
      *DIAGRAM
17      IT      60 01APR92      100

18      KK      2 SUBAREAS 1 & 2
19      KM      SAN JACINTO MOUNTAIN AT BAUTISTA CREEK
20      BA      178.5
21      PB      0.117
22      IN      60 01APR92      0135
23      PI      0.012  0.013  0.018  0.021  0.028  0.029  0.038  0.046  0.063  0.082
24      PI      0.070  0.073  0.108  0.114  0.104  0.085  0.014  0.019  0.013  0.012
25      PI      0.011  0.010  0.009  0.008
26      LU      0      0
27      KM      UHG FROM MOUNTAIN S-GRAPH
28      UI      7168. 13829. 21244. 12890. 8592. 5602. 4846. 4024. 3419. 2982.
29      UI      2533. 2303. 2000. 1862. 1684. 1474. 1258. 1212. 1080. 1069.
30      UI      982. 957. 914. 839. 839. 758. 708. 708. 647. 540.
31      UI      540. 540. 525. 392. 392. 392. 392. 392. 335. 143.
32      UI      143. 143. 143. 143. 143. 143. 143. 143. 143. 143.
33      UI      143. 143. 143. 143. 129.
34      ZW      A=S.J.RIVER CP-2 B=2 C=FLOW D=01APR92 E=1HOUR F=

35      KK      3 SUBAREA 3
36      KM      BAUTISTA CREEK
37      BA      51.38
38      PB      0.099
39      IN      60 01APR92      0120
40      PI      0.012  0.013  0.018  0.021  0.028  0.029  0.038  0.046  0.063  0.082
41      PI      0.070  0.073  0.108  0.114  0.104  0.085  0.014  0.019  0.013  0.012
42      PI      0.011  0.010  0.009  0.008
43      LU      0      0
44      KM      UHG FROM MOUNTAIN S-GRAPH
45      UI      3045. 7285. 5462. 3065. 2015. 1581. 1310. 1032. 899. 765.
46      UI      697. 566. 483. 443. 408. 376. 365. 324. 320. 278.
47      UI      270. 245. 206. 206. 196. 150. 150. 150. 150. 79.
48      UI      54.4 54.4 54.4 54.4 54.4 54.4 54.4 54.4 54.4 54.4
49      UI      54.4 23.4
50      ZW      A=S.J.RIVER CP-3 B=3 C=FLOW D=01APR92 E=1HOUR F=
                                HEC-1 INPUT

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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

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51      KK      4 SUBAREA 4
52      KM      POPPET CREEK
53      BA      15.76
54      PB      0.126
55      IN      30 01APR92      0110
56      PI      0.005  0.007  0.006  0.007  0.008  0.010  0.010  0.011  0.013  0.015
57      PI      0.013  0.016  0.018  0.020  0.021  0.025  0.030  0.033  0.039  0.043

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						day1.out					
58	PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
59	PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
60	PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		
61	LU	0	0								
62	KM	UHG FROM MOUNTAIN S-GRAPH									
63	UI	3073.	2654.	1099.	728.	511.	392.	291.	240.	212.	186.
64	UI	162.	126.	113.	90.	88.	33.	33.	33.	33.	33.
65	UI	32.6	6.3								
66	ZW	A=S.J.RIVER CP-4 B=4 C=FLOW D=01APR92 E=1HOUR F=									
67	KK	A									
68	KM	BAUTISTA CREEK CONFLUENCE									
69	HC	3									
70	ZW	A=S.J.RIVER CP-A B=A C=FLOW D=01APR92 E=1HOUR F=									
71	KK	A-B ROUTE BAUTISTA CK CONFL. TO MASSACRE CANYON CONFL. NEAR SANDERSON AVE.									
72	KM	ROUTE CONC.PT.A TO CONC.PT.B									
73	KM	BASED ON FJP'S PREVIOUS WORK, L=39,290 FT., Vavg=9.2 FPS.									
74	KM	Vw=1.5*Vavg									
75	RT	1 2 0									
76	ZW	A=S.J.RIVER ROUTE A-B B=A-B C=FLOW D=01APR92 E=1HOUR F=									
77	KK	6 SUBAREA 6									
78	KM	MASSACRE CANYON									
79	BA	35.42									
80	PB	0.133									
81	IN	30 01APR92 0100									
82	PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
83	PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
84	PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
85	PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
86	PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		
87	LU	0 0									
88	KM	UHG FROM MOUNTAIN S-GRAPH									
89	UI	3842.	6708.	2914.	1774.	1305.	960.	783.	643.	506.	430.
90	UI	388.	356.	318.	283.	268.	205.	205.	161.	149.	149.
91	UI	82.4	54.1	54.1	54.1	54.1	54.1	54.1	54.1	40.4	
92	KK	5 SUBAREA 5									
93	KM	SOBOBA-GILMAN									
94	BA	12.07									
95	PB	0.097									
96	IN	30 01APR92 0055									
97	PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
98	PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
99	PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
100	PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005

HEC-1 INPUT

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LINE	ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
101	PI 0.006 0.005 0.005 0.005 0.005 0.004 0.004 0.004

		day1.out									
102	LU	0	0								
103	KM	UHG FROM MOUNTAIN S-GRAPH									
104	UI	2082.	2170.	853.	570.	401.	309.	227.	186.	163.	144.
105	UI	126.	110.	89.	77.	65.	60.	24.	24.	24.	24.
106	UI	23.5	23.5	12.1							
107	KK	B									
108	KM	MASSACRE CANYON CONFLUENCE NEAR SANDERSON AVENUE									
109	HC	3									
110	ZW	A=S.J.RIVER CP-B B=B C=FLOW D=01APR92 E=1HOUR F=									
111	KK	7	SUBAREA 7								
112	KM	LAMB CANYON									
113	BA	5.64									
114	PB	0.111									
115	IN	15	01APR92	0045							
116	PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004
117	PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.008
118	PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011
119	PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021	0.022
120	PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025	0.026
121	PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025
122	PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
123	PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
124	PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
125	PI	0.002	0.002	0.002	0.002	0.002	0.002				
126	LU	0	0								
127	KM	UHG FROM MOUNTAIN S-GRAPH									
128	UI	1530.	793.	373.	234.	161.	119.	99.	82.	65.	52.
129	UI	42.5	23.9	15.5	15.5	15.5	15.5	.0			
130	KK	C									
131	KM	LAMB CANYON CONFLUENCE									
132	HC	2									
133	ZW	A=S.J.RIVER CP-C B=C C=FLOW D=01APR92 E=1HOUR F=									
134	KK	8	SUBAREA 8								
135	KM	LABORDE CANYON									
136	BA	9.73									
137	PB	0.113									
138	IN	15	01APR92	0045							
139	PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004
140	PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.008
141	PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011
142	PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021	0.022
143	PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025	0.026
144	PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025
145	PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
146	PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
147	PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
148	PI	0.002	0.002	0.002	0.002	0.002	0.002				
149	LU	0	0								

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day1.out

150	KM	UHG FROM MOUNTAIN S-GRAPH									
151	UI	2711.	1342.	638.	403.	272.	203.	171.	141.	108.	85.
		HEC-1 INPUT									

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LINE	ID	1	2	3	4	5	6	7	8	9	10
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152	UI	75.3	27.8	27.4	27.4	27.4	16.1				
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153	KK	D									
154	KM	LABORDE CANYON CONFLUENCE									
155	HC	2									
156	ZW	A=S.J.RIVER CP-D B=D C=FLOW D=01APR92 E=1HOUR F=									

157	KK	9	SUBAREA 9								
158	KM	SAN JACINTO VALLEY									
159	BA	43.98									
160	PB	0.081									
161	IN	30	01APR92	0050							
162	PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
163	PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
164	PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
165	PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
166	PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		
167	LU	0	0								
168	KM	UHG FROM MOUNTAIN S-GRAPH									
169	UI	10816.	6517.	3012.	1883.	1344.	952.	775.	668.	560.	444.
170	UI	370.	299.	210.	109.	109.	109.	109.	81.		

171	KK	E									
172	KM	BRIDGE STREET									
173	HC	2									
174	ZW	A=S.J.RIVER CP-E B=E C=FLOW D=01APR92 E=1HOUR F=									

175	KK	E-F ROUTE									
176	KM	ROUTE BRIDGE ST TO SPLIT(before split flow)									
177	KM	BASED ON SV-SQ DATA FROM HEC-RAS Updated 14Apr2010- MLA									
178	KM	MYSTIC LAKE FULL CONDITIONS - I.E. 1424 WSE									
179	KM	Time Step (Ave Travel Time = 5.09 Hours - Divide by 1.5 Vw=3.39 hr)									
180	KM	Because of this use NSTPS = 3 jcc 9 Feb 2010									
181	RS	3	STOR	-1							
182	SV	0	5422	6214	7192	8523	9595	10477	11979	15904	18679
183	SV	20011	21382	22528	23644	27656	31546				
184	SQ	0	500	1000	2000	4000	6000	8000	10000	15000	20000
185	SQ	25000	30000	35000	40000	60000	80000				
186	ZW	A=S.J.RIVER ROUTE E-F B=E-F C=FLOW D=01APR92 E=1HOUR F=									

187	KK	10	SUBAREA 10								
188	KM	JACK RABBIT									
189	BA	17.9									
190	PB	0.084									
191	IN	15	01APR92	0035							
192	PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004

						day1.out					
193	PI	0.005	0.005	0.005	0.005	0.005	0.006	0.007	0.007	0.007	0.008
194	PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011
195	PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021	0.022
196	PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025	0.026
197	PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025
198	PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
199	PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
200	PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
201	PI	0.002	0.002	0.002	0.002	0.002	0.002				

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HEC-1 INPUT

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LINE	ID	1	2	3	4	5	6	7	8	9	10
202	LU	0	0								
203	KM	UHG FROM MOUNTAIN S-GRAPH									
204	UI	5106.	2427.	1164.	741.	490.	371.	315.	253.	196.	148.
205	UI	118.	52.	52.	52.	52.	10.				
206	KK	11 SUBAREA 11									
207	KM	BADLANDS									
208	BA	18.1									
209	PB	0.068									
210	IN	15 01APR92 0030									
211	PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004
212	PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.008
213	PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011
214	PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021	0.022
215	PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025	0.026
216	PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025
217	PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
218	PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
219	PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
220	PI	0.002	0.002	0.002	0.002	0.002	0.002				
221	LU	0	0								
222	KM	UHG FROM MOUNTAIN S-GRAPH									
223	UI	5318.	2417.	1164.	735.	482.	381.	309.	246.	192.	149.
224	UI	85.6	54.3	54.3	54.3	34.1					
225	KK	F									
226	KM	SPLIT									
227	HC	3									
228	ZW	A=S.J.RIVER CP-F B=F C=FLOW D=01APR92 E=1HOUR F=									
229	KK	F-F1 ROUTE									
230	KM	ROUTE FROM SPLIT TO DAVIST ST(flows confluence)									
231	KM	BASED ON SV-SQ DATA FROM HEC-RAS Updated 14Apr2010- MLA									
232	KM	MYSTIC LAKE FULL CONDITIONS - I.E. 1424 WSE									
233	KM	Time Step (Ave Travel Time = 1.21 Hours - Divide by 1.5 Vw=0.85hr)									
234	KM	Because of this use NSTPS = 1 jcc 9 Feb 2010									
235	RS	1	STOR	-1							
236	SV	0	323	477	756	1089	1399	1769	2396	3861	4797
237	SV	5197	5620	5974	6312	7535	8774				

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                                day1.out
238      SQ      0      500      1000      2000      4000      6000      8000      10000      15000      20000
239      SQ 25000  30000  35000  40000  60000  80000
240      ZW      A=S.J.RIVER ROUTE F-F1 B=F-F1 C=FLOW D=01APR92 E=1HOUR F=

241      KK      F1-G ROUTE
242      KM      ROUTE DAVIS ST TO RAMONA EXPRESSWAY
243      KM      BASED ON SV-SQ DATA FROM HEC-RAS Updated 14Apr2010- MLA
244      KM      Time Step (Ave Travel Time = 1.93 Hours - Divide by 1.5 Vw=1.29hr)
245      KM      Because of this use NSTPS = 1 jcc 9 Feb 2010
246      RS      1      STOR      -1
247      SV      0      264      420      750      1477      2316      3171      4009      5337      6072
248      SV 6339  6631  6869  7092  7863  8661
249      SQ      0      500      1000      2000      4000      6000      8000      10000      15000      20000
250      SQ 25000  30000  35000  40000  60000  80000
251      ZW      A=S.J.RIVER ROUTE F-G B=F-G C=FLOW D=01APR92 E=1HOUR F=
                                HEC-1 INPUT

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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

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252      KK      12A LAKEVIEW SUB-AREA      (30% FOOTHILL)
253      KM      COMBINE LAKEVIEW SUB-AREA AT THE U/S OF RAMONA EXPWY PER CDJ.
254      BA 12.26      0      0.30
255      PB 0.067
256      IN      15 01APR92      0030
257      PI 0.002  0.003  0.003  0.004  0.003  0.003  0.003  0.004  0.004  0.004  0.004
258      PI 0.005  0.005  0.005  0.005  0.005  0.006  0.006  0.007  0.007  0.007  0.008
259      PI 0.006  0.007  0.008  0.008  0.009  0.009  0.010  0.010  0.010  0.011  0.011
260      PI 0.012  0.013  0.015  0.015  0.016  0.017  0.019  0.020  0.021  0.022  0.022
261      PI 0.015  0.015  0.020  0.020  0.019  0.019  0.017  0.018  0.025  0.026  0.026
262      PI 0.028  0.029  0.034  0.034  0.023  0.023  0.027  0.026  0.026  0.026  0.025
263      PI 0.024  0.023  0.019  0.019  0.004  0.004  0.003  0.003  0.005  0.005  0.005
264      PI 0.005  0.004  0.004  0.004  0.003  0.002  0.003  0.004  0.003  0.003  0.002
265      PI 0.003  0.003  0.003  0.002  0.003  0.002  0.003  0.002  0.003  0.003  0.002
266      PI 0.002  0.002  0.002  0.002  0.002  0.002
267      LU      0      0
268      KM      UHG FROM AVERAGE FULLERTON - SAN JOSE S-GRAPH
269      UI 5203.  1918.  587.  104.  72.  24.

270      KK      12A1 LAKEVIEW SUB-AREA      (70% VALLEY)
271      KM      COMBINE LAKEVIEW SUB-AREA AT THE U/S OF RAMONA EXPWY PER CDJ.
272      BA 12.26      0      0.70
273      PB 0.067
274      IN      15 01APR92      0030
275      PI 0.002  0.003  0.003  0.004  0.003  0.003  0.003  0.004  0.004  0.004  0.004
276      PI 0.005  0.005  0.005  0.005  0.005  0.006  0.006  0.007  0.007  0.007  0.008
277      PI 0.006  0.007  0.008  0.008  0.009  0.009  0.010  0.010  0.010  0.011  0.011
278      PI 0.012  0.013  0.015  0.015  0.016  0.017  0.019  0.020  0.021  0.022  0.022
279      PI 0.015  0.015  0.020  0.020  0.019  0.019  0.017  0.018  0.025  0.026  0.026
280      PI 0.028  0.029  0.034  0.034  0.023  0.023  0.027  0.026  0.026  0.026  0.025
281      PI 0.024  0.023  0.019  0.019  0.004  0.004  0.003  0.003  0.005  0.005  0.005
282      PI 0.005  0.004  0.004  0.004  0.003  0.002  0.003  0.004  0.003  0.003  0.002

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                                day1.out
283    PI    0.003    0.003    0.003    0.002    0.003    0.002    0.003    0.002    0.003    0.002
284    PI    0.002    0.002    0.002    0.002    0.002    0.002
285    LU      0      0
286    KM    UHG FROM VALLEY S-GRAPH
287    UI    5042.   1654.   601.   320.   166.   99.   24.

288    KK    G
289    KM      RAMONA EXPRESSWAY
290    HC      3      0
291    ZW      A=S.J.RIVER CP-G B=G C=FLOW D=01APR92 E=1HOUR F=

292    KK    G-H ROUTE
293    KM      ROUTE SAN JACINTO RIVER FROM RAMONA EXPRESSWAY TO I-215
294    KM      BASED ON SV-SQ DATA FROM HEC-RAS Updated 14Apr2010 - MLA
295    KM      Time Step (Ave Travel Time = 4.78 Hours - Divide by 1.5 Vw=3.19 hr)
296    KM      Because of this use NSTPS = 3 jcc 9 Feb 2010)
297    RS      3      STOR      -1
298    SV      0      804      1484      2507      6171      8267      10090      10684      12155      14679
299    SV    17916      21184      24492      27854      40596      52905
300    SQ      0      500      1000      2000      4000      6000      8000      10000      15000      20000
301    SQ    25000      30000      35000      40000      60000      80000
302    ZW      A=S.J.RIVER ROUTE G-H B=G-H C=FLOW D=01APR92 E=1HOUR F=
                                HEC-1 INPUT

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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

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303    KK      13 SUBAREA 13
304    KM      NUEVO(40% MOUNTAIN)
305    KM      COMBINE AT THE D/S OF RAMONA EXPWY PER CDJ
306    BA    25.74      0      0.4
307    PB    0.072
308    IN      15 01APR92      0020
309    PI    0.002    0.003    0.003    0.004    0.003    0.003    0.003    0.004    0.004    0.004
310    PI    0.005    0.005    0.005    0.005    0.005    0.006    0.006    0.007    0.007    0.008
311    PI    0.006    0.007    0.008    0.008    0.009    0.009    0.010    0.010    0.010    0.011
312    PI    0.012    0.013    0.015    0.015    0.016    0.017    0.019    0.020    0.021    0.022
313    PI    0.015    0.015    0.020    0.020    0.019    0.019    0.017    0.018    0.025    0.026
314    PI    0.028    0.029    0.034    0.034    0.023    0.023    0.027    0.026    0.026    0.025
315    PI    0.024    0.023    0.019    0.019    0.004    0.004    0.003    0.003    0.005    0.005
316    PI    0.005    0.004    0.004    0.004    0.003    0.002    0.003    0.004    0.003    0.002
317    PI    0.003    0.003    0.003    0.002    0.003    0.002    0.003    0.002    0.003    0.002
318    PI    0.002    0.002    0.002    0.002    0.002    0.002
319    LU      0      0
320    KM    UHG FROM MOUNTAIN S-GRAPH
321    UI    4499.   4599.   1816.   1212.   853.   658.   484.   397.   348.   306.
322    UI      266.   231.   191.   160.   139.   121.   50.   50.   50.   50.
323    UI      50.5   50.5   19.0

324    KK      13 SUBAREA 13
325    KM      NUEVO(60% VALLEY)
326    KM      COMBINE AT THE D/S OF RAMONA EXPWY PER CDJ

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day1.out

327	BA	25.74	0	0.6							
328	PB	0.072									
329	IN	15	01APR92	0020							
330	PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004
331	PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.008
332	PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011
333	PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021	0.022
334	PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025	0.026
335	PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025
336	PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
337	PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
338	PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
339	PI	0.002	0.002	0.002	0.002	0.002	0.002				
340	LU	0	0								
341	KM	UHG FROM VALLEY S-GRAPH									
342	UI	3331.	6377.	2585.	1309.	803.	580.	416.	326.	259.	187.
343	UI	141.	92.	92.	92.	11.					

344	KK	NUEVDS									
345	KM	COMBINE THE SAN JACINTO RIVER WITH SUBAREAS 12&13									
346	HC	3	0								

347	KK	14	SUBAREA 14								
348	KM		PERRIS VALLEY								
349	KM	1									
350	KM	THE FOLLOWING INFORMATION WERE OBTAINED FROM PREVIOUS WORKS									
351	KM	PERFORMED BY B.C. & C.V.A. DATED 4/88. FILENAME :CP4.DAT									
352	KM	THE PERRIS VALLEY AREA INCLUDED THE PIGEON PASS DRAINAGE AREAS.									
353	KM	TOTAL DRAINAGE AREAS = 85.44 SQ.MI.									

HEC-1 INPUT

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LINE	ID	1	2	3	4	5	6	7	8	9	10
354	KM	ALL HYDROGRAPHS ADJUSTED FOR YIELD AT NUEVO RD. / CP-4									
355	KM	INFLOW TO PIGEON PASS RESERVIOR									
356	KM	ULTIMATE DEVELOPMENT ALL BASINS IN PLACE									
357	BA	9.031									
358	PB	0.069									
359	IN	30	01APR92	0010							
360	PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
361	PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
362	PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
363	PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
364	PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		
365	LU	0	0								
366	KM	UHG FROM VALLEY S-GRAPH									
367	UI	3898.	1128.	417.	215.	104.	62.				
368	KK	PB									
369	KM	PIGEON PASS RESERVOIR ROUTING									
370	RS	1	ELEV	1670							
371	SV	0	24	124	314	565	885	1720	1720		

						day1.out					
372	SE	1670	1676	1680	1684	1688	1692	1696	1700		
373	SQ	0	80	90	100	110	120	130			
374	SE	1670	1671	1674	1678	1683.5	1689.5	1695.5			
375	KK	IA									
376	KM	LOCAL AREA TRIBUTARY TO INDIAN-FESTIVAL BASIN									
377	BA	1.172									
378	PB	0.066									
379	IN	30 01APR92	0010								
380	PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
381	PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
382	PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
383	PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
384	PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		
385	LU	0	0								
386	KM	UHG FROM VALLEY S-GRAPH									
387	UI	713.	43.								
388	KK	IA									
389	KM	INFLOW HYDROGRAPH FOR INDIAN-FESTIVAL BASIN									
390	HC	2									
391	KK	IB									
392	KM	INDIAN STREET (FESTIVAL) BASIN ROUTING									
393	RS	1 ELEV 1635.5									
394	SA	0 .57	3.52	8.9	10.9	11.1	11.3	11.5	11.6	11.7	
395	SA	11.9 12.1									
396	SE	1635.5 1636	1637	1638	1639	1640	1641	1642	1643	1644	
397	SE	1645 1646									
398	SQ	0 15	23	56	88	117	137	155	173	189	
399	SQ	205 220									

1 HEC-1 INPUT PAGE 9

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

400	KK	LA									
401	KM	TRIBUTARY AREA FOR LASSELLE BASIN									
402	BA	.689									
403	PB	0.076									
404	IN	30 01APR92	0010								
405	PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
406	PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
407	PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
408	PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
409	PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		
410	LU	0	0								
411	KM	UHG FROM AVERAGE FULLERTON - SAN JOSE S-GRAPH									
412	UI	429.	16.								
413	KK	LB									
414	KM	LASSELLE BASIN ROUTING									

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                                day1.out
415      RS      1      ELEV      1734
416      SV      0      .5      1.75      4.25      9.75      29      47.5
417      SE      1734      1735      1736      1737      1739      1742      1745
418      SQ      0      20      40      60      75      235      800
419      SE      1734      1736      1739      1745      1745.5      1746      1747

420      KK      NA
421      KM      TRIBUTARY AREA FOR NASON BASIN
422      BA      4.329
423      PB      0.085
424      IN      30 01APR92      0010
425      PI      0.005      0.007      0.006      0.007      0.008      0.010      0.010      0.011      0.013      0.015
426      PI      0.013      0.016      0.018      0.020      0.021      0.025      0.030      0.033      0.039      0.043
427      PI      0.030      0.040      0.038      0.035      0.051      0.057      0.068      0.046      0.053      0.051
428      PI      0.047      0.038      0.008      0.006      0.010      0.009      0.008      0.005      0.007      0.005
429      PI      0.006      0.005      0.005      0.005      0.005      0.004      0.004      0.004
430      LU      0      0
431      KM      UHG FROM AVERAGE FULLERTON - SAN JOSE S-GRAPH
432      UI      1923.      641.      175.      27.      26.

433      KK      NB
434      KM      NASON BASIN ROUTING
435      RS      1      ELEV      58
436      SV      0      5.1      21.8      47.6      357
437      SE      58      60      62      64      84
438      SQ      0      7.6      29.8      65.2      113      173      239      270      296.4      320.7
439      SQ      342      363      382.7      419.2      452.8      484      513.4      541.2      567.6      592.8
440      SE      58      58.8      59.7      60.6      61.6      62.6      63.9      65      66      67
441      SE      68      69      70      72      74      76      78      80      82      84

442      KK      SA
443      KM      AREA TRIBUTARY TO SINCLAIR BASIN
444      BA      4.34
445      PB      0.067
446      IN      30 01APR92      0010
447      PI      0.005      0.007      0.006      0.007      0.008      0.010      0.010      0.011      0.013      0.015
448      PI      0.013      0.016      0.018      0.020      0.021      0.025      0.030      0.033      0.039      0.043
449      PI      0.030      0.040      0.038      0.035      0.051      0.057      0.068      0.046      0.053      0.051

                                HEC-1 INPUT
LINE      ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

450      PI      0.047      0.038      0.008      0.006      0.010      0.009      0.008      0.005      0.007      0.005
451      PI      0.006      0.005      0.005      0.005      0.005      0.004      0.004      0.004
452      LU      0      0
453      KM      UHG FROM AVERAGE FULLERTON - SAN JOSE S-GRAPH
454      UI      1969.      624.      156.      28.      22.
455      KM      SINCLAIR BASIN ROUTING REMOVED TO REFLECT EXISTING CONDITIONS
456      KM      JCC 21 AUG 2009

457      KK      CP1
458      KM      COMBINE ALL SUNNY/MOR BASIN OUTFLOWS

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                                day1.out
459      HC          4
460      KK      CP4A
461      KM      TOTAL WATERSHED ABOVE CP4 EXCLUDING BASIN AREAS
462      BA      62.87
463      PB      0.061
464      IN      30 01APR92      0010
465      PI      0.005      0.007      0.006      0.007      0.008      0.010      0.010      0.011      0.013      0.015
466      PI      0.013      0.016      0.018      0.020      0.021      0.025      0.030      0.033      0.039      0.043
467      PI      0.030      0.040      0.038      0.035      0.051      0.057      0.068      0.046      0.053      0.051
468      PI      0.047      0.038      0.008      0.006      0.010      0.009      0.008      0.005      0.007      0.005
469      PI      0.006      0.005      0.005      0.005      0.005      0.004      0.004      0.004
470      LU      0      0
471      KM      UHG FROM VALLEY S-GRAPH
472      UI      13598. 14837. 4768. 2487. 1625. 1087. 788. 579. 300. 300.
473      UI      182.

474      KK      SEATA
475      KM      AREA TRIBUTARY TO SEATON BASIN
476      BA      3.01
477      PB      0.065
478      IN      30 01APR92      0010
479      PI      0.005      0.007      0.006      0.007      0.008      0.010      0.010      0.011      0.013      0.015
480      PI      0.013      0.016      0.018      0.020      0.021      0.025      0.030      0.033      0.039      0.043
481      PI      0.030      0.040      0.038      0.035      0.051      0.057      0.068      0.046      0.053      0.051
482      PI      0.047      0.038      0.008      0.006      0.010      0.009      0.008      0.005      0.007      0.005
483      PI      0.006      0.005      0.005      0.005      0.005      0.004      0.004      0.004
484      LU      0      0
485      KM      UHG FROM AVERAGE FULLERTON - SAN JOSE S-GRAPH
486      UI      1433. 398. 80. 21. 9.
487      KM      SEATON BASIN ROUTING REMOVED TO REFLECT EXISTING CONDITIONS
488      KM      JCC 21 AUG 2009

489      KK      CP4
490      KM      TOTAL HYDROGRAPH AT CP4 / NUEVO ROAD
491      HC      3

492      KK      COMB
493      KM      COMBINED PERRIS VALLEY WITH THE PREVIOUS HYDROGRAPHS
494      HC      2      0

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HEC-1 INPUT

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LINE      ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

495      KK      15B ROMOLAND SUB-AREA (B-SYSTEM)
496      KM      COMBINE DRAINAGE AREA FOR LINE B AT THE UPSTREAM OF I-215
497      KM      PER CDJ. HYDROLOGY INFO. WERE TAKEN FROM MDP BACKUPS
498      KM      UHG 30%Foothill
499      BA      4.27      0.3
500      PB      0.073
501      IN      15 01APR92      0015

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                                day1.out
502    PI    0.002    0.003    0.003    0.004    0.003    0.003    0.003    0.004    0.004    0.004
503    PI    0.005    0.005    0.005    0.005    0.005    0.006    0.006    0.007    0.007    0.008
504    PI    0.006    0.007    0.008    0.008    0.009    0.009    0.010    0.010    0.010    0.011
505    PI    0.012    0.013    0.015    0.015    0.016    0.017    0.019    0.020    0.021    0.022
506    PI    0.015    0.015    0.020    0.020    0.019    0.019    0.017    0.018    0.025    0.026
507    PI    0.028    0.029    0.034    0.034    0.023    0.023    0.027    0.026    0.026    0.025
508    PI    0.024    0.023    0.019    0.019    0.004    0.004    0.003    0.003    0.005    0.005
509    PI    0.005    0.004    0.004    0.004    0.003    0.002    0.003    0.004    0.003    0.002
510    PI    0.003    0.003    0.003    0.002    0.003    0.002    0.003    0.002    0.003    0.002
511    PI    0.002    0.002    0.002    0.002    0.002    0.002
512    LU    0        0
513    KM    UHG FROM AVERAGE FULLERTON - SAN JOSE S-GRAPH
514    UI    1981.    593.    134.    29.    18.

515    KK    15B1ROMOLAND SUB-AREA (B-SYSTEM)
516    KM    UHG 70% VALLEY
517    BA    4.27        0.7
518    PB    0.073
519    IN    15 01APR92    0015
520    PI    0.002    0.003    0.003    0.004    0.003    0.003    0.003    0.004    0.004    0.004
521    PI    0.005    0.005    0.005    0.005    0.005    0.006    0.006    0.007    0.007    0.008
522    PI    0.006    0.007    0.008    0.008    0.009    0.009    0.010    0.010    0.010    0.011
523    PI    0.012    0.013    0.015    0.015    0.016    0.017    0.019    0.020    0.021    0.022
524    PI    0.015    0.015    0.020    0.020    0.019    0.019    0.017    0.018    0.025    0.026
525    PI    0.028    0.029    0.034    0.034    0.023    0.023    0.027    0.026    0.026    0.025
526    PI    0.024    0.023    0.019    0.019    0.004    0.004    0.003    0.003    0.005    0.005
527    PI    0.005    0.004    0.004    0.004    0.003    0.002    0.003    0.004    0.003    0.002
528    PI    0.003    0.003    0.003    0.002    0.003    0.002    0.003    0.002    0.003    0.002
529    PI    0.002    0.002    0.002    0.002    0.002    0.002
530    LU    0        0
531    KM    UHG FROM VALLEY S-GRAPH
532    UI    1912.    501.    188.    96.    41.    16.

533    KK    15B7 TOTAL ROMOLAND SUB-AREA COMBINED AT THE U/S OF I-215 FWY PER CDJ
534    HC    2        0

535    KK    H        US@215
536    KM    US@215
537    KM    COMBINE THE NUEVO RD., PERRIS, AND ROMOLAND HYDROGRAPHS
538    HC    2        0
539    ZW    A=S.J.RIVER CP-H B=H C=FLOW D=01APR92 E=1HOUR F=
                                HEC-1 INPUT

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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

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540    KK    H-I ROUTE
541    KM    ROUTE SAN JACINTO RIVER FROM I-215 TO CONCENTRATION POINT I
542    KM    BASED ON SV-SQ DATA FROM HEC-RAS Updated 14 Jan 2010
543    KM    Time Step (Ave Travel Time = 5.13 Hours - Divide by 1.5 Vw=3.42hr)
544    KM    Because of this use NSTPS = 3 jcc 9 Feb 2010
545    RS    3    STOR    -1

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						day1.out				
546	SV	0	156	291	878	3673	4783	5881	6288	8059 10737
547	SV	13406	15955	18408	20812	29306	36900			
548	SQ	0	500	1000	2000	4000	6000	8000	10000	15000 20000
549	SQ	25000	30000	35000	40000	60000	80000			
550	ZW	A=S.J.RIVER ROUTE H-I B=H-I C=FLOW D=01APR92 E=1HOUR F=								
551	KK	15A ROMOLAND SUB-AREA (A-SYSTEM)								
552	KM	COMBINE HOMELAND, ROMOLAND (A-SYSTEM) AND THE REMAINING AREA AT THE								
553	KM	D/S OF I-215 FWY PER CDJ								
554	BA	28.11								
555	PB	0.074								
556	IN	15	01APR92	0015						
557	PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004 0.004
558	PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007 0.008
559	PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010 0.011
560	PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021 0.022
561	PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025 0.026
562	PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026 0.025
563	PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005 0.005
564	PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003 0.002
565	PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003 0.002
566	PI	0.002	0.002	0.002	0.002	0.002	0.002			
567	LU	0	0							
568	KM	UHG FROM VALLEY S-GRAPH								
569	UI	7956.	5752.	1833.	981.	622.	412.	267.	159.	148.
570	KK	I								
571	KM	ENTRANCE TO RAILROAD CANYON DAM								
572	HC	2	0							
573	ZW	A=S.J.RIVER CP-I B=I C=FLOW D=01APR92 E=1HOUR F=								
574	KK	I-J								
575	KM	ROUTE FROM C.P.I TO C.P.J								
576	KM	FROM S.J.RIVER STAGE III PLAN & PROFILE, VELOCITY=3.6 FT/SEC								
577	KM	TRAVEL DISTANCE =24,288 FT.								
578	RT	1	2	0						
579	KK	17 SUBAREA 17								
580	KM	SALT CREEK								
581	BA	123.91								
582	PB	0.075								
583	IN	15	01APR92	0040						
584	PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004 0.004
585	PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007 0.008
586	PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010 0.011
587	PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021 0.022
588	PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025 0.026
589	PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026 0.025

HEC-1 INPUT

PAGE 13

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

		day1.out									
590	PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
591	PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
592	PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
593	PI	0.002	0.002	0.002	0.002	0.002	0.002				
594	LU	0	0								
595	KM	UHG FROM MOUNTAIN S-GRAPH									
596	UI	7481.	17797.	13137.	7282.	4868.	3815.	3168.	2450.	2175.	1830.
597	UI	1661.	1370.	1145.	1059.	994.	900.	878.	780.	774.	659.
598	UI	659.	560.	502.	502.	441.	365.	365.	365.	351.	133.
599	UI	133.	133.	133.	133.	133.	133.	133.	133.	133.	133.
600	UI	130.									
601	KK	16 SUBAREA 16									
602	KM	RAILROAD CANYON									
603	BA	26.04									
604	PB	0.083									
605	IN	30 01APR92 0015									
606	PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
607	PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
608	PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
609	PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
610	PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		
611	LU	0	0								
612	KM	UHG FROM MOUNTAIN S-GRAPH									
613	UI	4825.	4516.	1821.	1215.	851.	656.	486.	402.	352.	309.
614	UI	264.	220.	199.	147.	144.	86.	53.	53.	53.	53.
615	UI	52.5	40.2								
616	KK	J(US)									
617	KM	UPSTREAM OF RAILROAD CANYON									
618	KM	COMBINE THE R.R.CYN., SALT CREEK, & SHALLOW POND OUTFLOW HYDROGRAPHS									
619	HC	3 0									
620	ZW	A=S.J.RIVER CP-J(US) B=J(US) C=FLOW D=01APR92 E=1HOUR F=									
621	KK	J(DS) RAILROAD CANYON DAM									
622	KM	RATING CURVE WAS OBTAINED FROM PREVIOUS WORK DONE BY COOK, DATED 10/2/73									
623	RS	1 STOR 0									
624	SV	0	835.93	1671.87	2507.80	3343.74	4179.67	5015.60	5851.54	6687.47	7523.41
625	SV	8359.3	9195.27	10031.2	10867.14	11703.08	12539.01	13374.95	14210.88	15046.81	15214
626	SE	1381.8	1382.8	1383.8	1384.8	1385.8	1386.8	1387.8	1388.8	1389.8	1390.8
627	SE	1391.8	1392.8	1393.8	1394.8	1395.8	1396.8	1397.8	1398.8	1399.8	1400
628	SQ	0	538	1591.6	3023.8	4765.3	6851.3	9204.3	11781.1	14614.4	17699.2
629	SQ	21031.	24546.7	28215.9	32090.6	36078.4	41478.2	48467.1	55911.2	64285.1	66000
630	ZW	A=S.J.RIVER CP-J(DS) B=J(DS) C=FLOW D=01APR92 E=1HOUR F=									
631	ZZ										

1

SCHEMATIC DIAGRAM OF STREAM NETWORK

INPUT	(V) ROUTING	(--->) DIVERSION OR PUMP FLOW
LINE		
NO.	(.) CONNECTOR	(<---) RETURN OF DIVERTED OR PUMPED FLOW

day1.out

```
18      2
      .
      .
35      .      3
      .      .
51      .      .      4
      .      .      .
      .      .      .
67      A .....
      V
      V
71      A-B
      .
      .
77      .      6
      .      .
92      .      .      5
      .      .      .
      .      .      .
107     B .....
      .
      .
111     .      7
      .      .
      .      .
130     C .....
      .
      .
134     .      8
      .      .
      .      .
153     D .....
      .
      .
157     .      9
      .      .
      .      .
171     E .....
      V
      V
175     E-F
      .
      .
187     .      10
      .      .
      .      .
206     .      .      11
      .      .      .
      .      .      .
225     F.....
```

day1.out

	V			
	V			
229	F-F1			
	V			
	V			
241	F1-G			
	.			
252	.	12A		
	.	.		
270	.	.	12A1	
	.	.	.	
288	G	.	.	.
	V	.	.	.
	V	.	.	.
292	G-H	.	.	.
	.	.	.	.
303	.	13	.	.
	.	.	.	.
324	.	.	13	.
	.	.	.	.
344	NUEVDS.	.	.	.
	.	.	.	.
347	.	14	.	.
	.	V	.	.
	.	V	.	.
368	.	PB	.	.
	.	.	.	.
375	.	.	IA	.
	.	.	.	.
388	.	IA.	.	.
	.	V	.	.
	.	V	.	.
391	.	IB	.	.
	.	.	.	.
400	.	.	LA	.
	.	.	V	.
	.	.	V	.
413	.	.	LB	.
	.	.	.	.
	.	.	.	.
420	.	.	.	NA
	.	.	.	V

```

                                day1.out
433      .      .      .      V
                                NB
442      .      .      .      .      SA
                                .
457      .      CP1.....
                                .
460      .      .      CP4A
                                .
474      .      .      SEATA
                                .
489      .      CP4.....
                                .
492      COMB .....
                                .
495      .      15B
                                .
515      .      .      15B1
                                .
533      .      15B7 .....
                                .
535      H .....
                                V
                                V
540      H-I
                                .
551      .      15A
                                .
570      I .....
                                V
                                V
574      I-J
                                .
579      .      17
                                .
601      .      .      16
                                .
                                .

```

day1.out

616 J(US)
V
V
621 J(DS)

(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

1 *****
*
* FLOOD HYDROGRAPH PACKAGE (HEC-1) *
* JUN 1998 *
* VERSION 4.1 *
* RUN DATE 03MAY16 TIME 17:10:14 *
*

*
* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET *
* DAVIS, CALIFORNIA 95616 *
* (916) 756-1104 *
*

DAY 1 OF THREE DAY STORM
NOAA 14 RAINFALL UPDATE
DEPTH AREA REDUCTION FACTOR (based on NOAA 2) for 4 CONCENTRATION POINT
WEBB ASSOCIATES BASE FILE OF SAN JACINTO RIVER EXISTING CONDITIONS
BASED ON FILE sjrre1.dat by WEST CONSULTANTS INC.
FOR RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
** ORIGINAL FILE: SAN JACINTO RIVER HYDROLOGY BACKUPS (ALTERNATIVE F)
** LAPRE1 FILENAMES: 2SJR24
** HEC-1 FILENAMES: 2SJR24.DAT/2SJR24.OUT DATE: SEPTEMBER, 1993
** INFORMATION USED WAS BASED ON PREVIOUS WORKS PERFORMED BY F.J.P.
** PERRIS VALLEY WATERSHED WAS OBTAINED FROM B.C.'S PREVIOUS WORK
SV-SQ DATA FOR MODIFIED PULS ROUTING FROM HEC-RAS HYDRAULIC MODEL
HEC-1 FILENAMES: REMLF.DAT/REMLF.OUT DATE: APR 2010
For San Jacinto Floodplain update do not use routed flows downstream
of Bridge Street. HEC-RAS will be used to route the hydrographs from
this model in an unsteady simulation. jcc 16AUG2010

IT HYDROGRAPH TIME DATA
NMIN 60 MINUTES IN COMPUTATION INTERVAL
IDATE 1APR92 STARTING DATE
ITIME 0000 STARTING TIME
NQ 100 NUMBER OF HYDROGRAPH ORDINATES
NDDATE 5APR92 ENDING DATE
NDTIME 0300 ENDING TIME
ICENT 19 CENTURY MARK

COMPUTATION INTERVAL 1.00 HOURS
TOTAL TIME BASE 99.00 HOURS

ENGLISH UNITS
DRAINAGE AREA SQUARE MILES
PRECIPITATION DEPTH INCHES

day1.out

LENGTH, ELEVATION FEET
FLOW CUBIC FEET PER SECOND
STORAGE VOLUME ACRE-FEET
SURFACE AREA ACRES
TEMPERATURE DEGREES FAHRENHEIT

*** **

* *
18 KK * 2 * SUBAREAS 1 & 2
* *

SAN JACINTO MOUNTAIN AT BAUTISTA CREEK

22 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 60 TIME INTERVAL IN MINUTES
 JXDATE 1APR92 STARTING DATE
 JXTIME 135 STARTING TIME
 UHG FROM MOUNTAIN S-GRAPH

SUBBASIN RUNOFF DATA

20 BA SUBBASIN CHARACTERISTICS
 TAREA 178.50 SUBBASIN AREA

PRECIPITATION DATA

21 PB STORM .12 BASIN TOTAL PRECIPITATION

23 PI INCREMENTAL PRECIPITATION PATTERN
 .00 .01 .01 .02 .02 .03 .03 .03 .04 .06
 .07 .07 .07 .09 .11 .11 .09 .04 .02 .02
 .01 .01 .01 .01 .01 .00

26 LU UNIFORM LOSS RATE
 STRTL .00 INITIAL LOSS
 CNSTL .00 UNIFORM LOSS RATE
 RTIMP .00 PERCENT IMPERVIOUS AREA

26 UI INPUT UNITGRAPH, 55 ORDINATES, VOLUME = 1.00
 7168.0 13829.0 21244.0 12890.0 8592.0 5602.0 4846.0 4024.0 3419.0 2982.0
 2533.0 2303.0 2000.0 1862.0 1684.0 1474.0 1258.0 1212.0 1080.0 1069.0
 982.0 957.0 914.0 839.0 839.0 758.0 708.0 708.0 647.0 540.0
 540.0 540.0 525.0 392.0 392.0 392.0 392.0 392.0 335.0 143.0
 143.0 143.0 143.0 143.0 143.0 143.0 143.0 143.0 143.0 143.0
 143.0 143.0 143.0 143.0 129.0

day1.out

HYDROGRAPH AT STATION 2

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	39.
1	APR	0100	2	.00	.00	.00	0.	*	3	APR	0300	52	.00	.00	.00	36.
1	APR	0200	3	.00	.00	.00	6.	*	3	APR	0400	53	.00	.00	.00	33.
1	APR	0300	4	.00	.00	.00	22.	*	3	APR	0500	54	.00	.00	.00	30.
1	APR	0400	5	.00	.00	.00	51.	*	3	APR	0600	55	.00	.00	.00	26.
1	APR	0500	6	.00	.00	.00	84.	*	3	APR	0700	56	.00	.00	.00	23.
1	APR	0600	7	.00	.00	.00	119.	*	3	APR	0800	57	.00	.00	.00	21.
1	APR	0700	8	.00	.00	.00	155.	*	3	APR	0900	58	.00	.00	.00	19.
1	APR	0800	9	.00	.00	.00	195.	*	3	APR	1000	59	.00	.00	.00	18.
1	APR	0900	10	.00	.00	.00	241.	*	3	APR	1100	60	.00	.00	.00	18.
1	APR	1000	11	.01	.00	.01	300.	*	3	APR	1200	61	.00	.00	.00	17.
1	APR	1100	12	.01	.00	.01	382.	*	3	APR	1300	62	.00	.00	.00	16.
1	APR	1200	13	.01	.00	.01	476.	*	3	APR	1400	63	.00	.00	.00	15.
1	APR	1300	14	.01	.00	.01	562.	*	3	APR	1500	64	.00	.00	.00	15.
1	APR	1400	15	.01	.00	.01	636.	*	3	APR	1600	65	.00	.00	.00	14.
1	APR	1500	16	.01	.00	.01	722.	*	3	APR	1700	66	.00	.00	.00	13.
1	APR	1600	17	.01	.00	.01	832.	*	3	APR	1800	67	.00	.00	.00	11.
1	APR	1700	18	.01	.00	.01	917.	*	3	APR	1900	68	.00	.00	.00	10.
1	APR	1800	19	.01	.00	.01	914.	*	3	APR	2000	69	.00	.00	.00	9.
1	APR	1900	20	.00	.00	.00	821.	*	3	APR	2100	70	.00	.00	.00	7.
1	APR	2000	21	.00	.00	.00	669.	*	3	APR	2200	71	.00	.00	.00	5.
1	APR	2100	22	.00	.00	.00	542.	*	3	APR	2300	72	.00	.00	.00	4.
1	APR	2200	23	.00	.00	.00	462.	*	4	APR	0000	73	.00	.00	.00	2.
1	APR	2300	24	.00	.00	.00	408.	*	4	APR	0100	74	.00	.00	.00	1.
2	APR	0000	25	.00	.00	.00	367.	*	4	APR	0200	75	.00	.00	.00	1.
2	APR	0100	26	.00	.00	.00	333.	*	4	APR	0300	76	.00	.00	.00	1.
2	APR	0200	27	.00	.00	.00	300.	*	4	APR	0400	77	.00	.00	.00	1.
2	APR	0300	28	.00	.00	.00	265.	*	4	APR	0500	78	.00	.00	.00	1.
2	APR	0400	29	.00	.00	.00	229.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	198.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	176.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	158.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	144.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	132.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	122.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	114.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	107.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	101.	*	4	APR	1500	88	.00	.00	.00	0.
2	APR	1400	39	.00	.00	.00	95.	*	4	APR	1600	89	.00	.00	.00	0.
2	APR	1500	40	.00	.00	.00	89.	*	4	APR	1700	90	.00	.00	.00	0.
2	APR	1600	41	.00	.00	.00	83.	*	4	APR	1800	91	.00	.00	.00	0.
2	APR	1700	42	.00	.00	.00	78.	*	4	APR	1900	92	.00	.00	.00	0.
2	APR	1800	43	.00	.00	.00	73.	*	4	APR	2000	93	.00	.00	.00	0.

							day1.out							
2 APR 1900	44	.00	.00	.00	68.	*	4 APR 2100	94	.00	.00	.00	0.		
2 APR 2000	45	.00	.00	.00	63.	*	4 APR 2200	95	.00	.00	.00	0.		
2 APR 2100	46	.00	.00	.00	59.	*	4 APR 2300	96	.00	.00	.00	0.		
2 APR 2200	47	.00	.00	.00	55.	*	5 APR 0000	97	.00	.00	.00	0.		
2 APR 2300	48	.00	.00	.00	51.	*	5 APR 0100	98	.00	.00	.00	0.		
3 APR 0000	49	.00	.00	.00	47.	*	5 APR 0200	99	.00	.00	.00	0.		
3 APR 0100	50	.00	.00	.00	43.	*	5 APR 0300	100	.00	.00	.00	0.		

TOTAL RAINFALL = .12, TOTAL LOSS = .00, TOTAL EXCESS = .12

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW 24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	917.	17.00	810.	463.	187.	136.
		(INCHES)	.042	.096	.117	.117
		(AC-FT)	401.	917.	1113.	1113.

CUMULATIVE AREA = 178.50 SQ MI

-----DSS---ZOPEN: New File Opened, File: H1DSS.DSS

Unit: 71; DSS Version: 6-JG

-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-2/2/FLOW/01MAR1992/1HOUR//

-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-2/2/FLOW/01APR1992/1HOUR//

*** **

 * *
 35 KK * 3 * SUBAREA 3
 * *

BAUTISTA CREEK

39 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 60 TIME INTERVAL IN MINUTES
 JXDATE 1APR92 STARTING DATE
 JXTIME 120 STARTING TIME
 UHG FROM MOUNTAIN S-GRAPH

SUBBASIN RUNOFF DATA

37 BA SUBBASIN CHARACTERISTICS
 TAREA 51.38 SUBBASIN AREA

PRECIPITATION DATA

day1.out

38 PB STORM .10 BASIN TOTAL PRECIPITATION

40 PI INCREMENTAL PRECIPITATION PATTERN

.00	.00	.01	.01	.02	.02	.03	.03	.04	.05
.07	.08	.07	.08	.11	.11	.10	.06	.02	.02
.01	.01	.01	.01	.01	.01				

43 LU UNIFORM LOSS RATE

STRTL	.00	INITIAL LOSS
CNSTL	.00	UNIFORM LOSS RATE
RTIMP	.00	PERCENT IMPERVIOUS AREA

43 UI INPUT UNITGRAPH, 42 ORDINATES, VOLUME = 1.00

3045.0	7285.0	5462.0	3065.0	2015.0	1581.0	1310.0	1032.0	899.0	765.0
697.0	566.0	483.0	443.0	408.0	376.0	365.0	324.0	320.0	278.0
270.0	245.0	206.0	206.0	196.0	150.0	150.0	150.0	150.0	79.0
54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
54.4	23.4								

HYDROGRAPH AT STATION 3

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	5.
1	APR	0100	2	.00	.00	.00	0.	*	3	APR	0300	52	.00	.00	.00	5.
1	APR	0200	3	.00	.00	.00	1.	*	3	APR	0400	53	.00	.00	.00	4.
1	APR	0300	4	.00	.00	.00	7.	*	3	APR	0500	54	.00	.00	.00	4.
1	APR	0400	5	.00	.00	.00	15.	*	3	APR	0600	55	.00	.00	.00	3.
1	APR	0500	6	.00	.00	.00	24.	*	3	APR	0700	56	.00	.00	.00	3.
1	APR	0600	7	.00	.00	.00	33.	*	3	APR	0800	57	.00	.00	.00	2.
1	APR	0700	8	.00	.00	.00	43.	*	3	APR	0900	58	.00	.00	.00	2.
1	APR	0800	9	.00	.00	.00	54.	*	3	APR	1000	59	.00	.00	.00	1.
1	APR	0900	10	.00	.00	.00	66.	*	3	APR	1100	60	.00	.00	.00	1.
1	APR	1000	11	.01	.00	.01	82.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.01	.00	.01	105.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	132.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.01	.00	.01	154.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.01	.00	.01	169.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.01	.00	.01	194.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.01	.00	.01	226.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.01	.00	.01	247.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	242.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	207.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	160.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	130.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	111.	*	4	APR	0000	73	.00	.00	.00	0.

						day1.out						
1 APR 2300	24	.00	.00	.00	97.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.00	.00	.00	87.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	79.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	71.	*	4 APR 0400	77	.00	.00	.00	0.
2 APR 0300	28	.00	.00	.00	61.	*	4 APR 0500	78	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	51.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	44.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	39.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	35.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	32.	*	4 APR 1000	83	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	29.	*	4 APR 1100	84	.00	.00	.00	0.
2 APR 1000	35	.00	.00	.00	27.	*	4 APR 1200	85	.00	.00	.00	0.
2 APR 1100	36	.00	.00	.00	24.	*	4 APR 1300	86	.00	.00	.00	0.
2 APR 1200	37	.00	.00	.00	22.	*	4 APR 1400	87	.00	.00	.00	0.
2 APR 1300	38	.00	.00	.00	20.	*	4 APR 1500	88	.00	.00	.00	0.
2 APR 1400	39	.00	.00	.00	18.	*	4 APR 1600	89	.00	.00	.00	0.
2 APR 1500	40	.00	.00	.00	17.	*	4 APR 1700	90	.00	.00	.00	0.
2 APR 1600	41	.00	.00	.00	15.	*	4 APR 1800	91	.00	.00	.00	0.
2 APR 1700	42	.00	.00	.00	13.	*	4 APR 1900	92	.00	.00	.00	0.
2 APR 1800	43	.00	.00	.00	12.	*	4 APR 2000	93	.00	.00	.00	0.
2 APR 1900	44	.00	.00	.00	11.	*	4 APR 2100	94	.00	.00	.00	0.
2 APR 2000	45	.00	.00	.00	10.	*	4 APR 2200	95	.00	.00	.00	0.
2 APR 2100	46	.00	.00	.00	8.	*	4 APR 2300	96	.00	.00	.00	0.
2 APR 2200	47	.00	.00	.00	7.	*	5 APR 0000	97	.00	.00	.00	0.
2 APR 2300	48	.00	.00	.00	6.	*	5 APR 0100	98	.00	.00	.00	0.
3 APR 0000	49	.00	.00	.00	6.	*	5 APR 0200	99	.00	.00	.00	0.
3 APR 0100	50	.00	.00	.00	5.	*	5 APR 0300	100	.00	.00	.00	0.

TOTAL RAINFALL = .10, TOTAL LOSS = .00, TOTAL EXCESS = .10

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)					
+	247.	17.00	(CFS)	213.	119.	46.	33.
			(INCHES)	.039	.086	.099	.099
			(AC-FT)	106.	235.	271.	271.

CUMULATIVE AREA = 51.38 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-3/3/FLOW/01MAR1992/1HOUR//
 -----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-3/3/FLOW/01APR1992/1HOUR//

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day1.out

51 KK * 4 * SUBAREA 4
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POPPET CREEK

55 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 30 TIME INTERVAL IN MINUTES
 JXDATE 1APR92 STARTING DATE
 JXTIME 110 STARTING TIME
 UHG FROM MOUNTAIN S-GRAPH

SUBBASIN RUNOFF DATA

53 BA SUBBASIN CHARACTERISTICS
 TAREA 15.76 SUBBASIN AREA

PRECIPITATION DATA

54 PB STORM .13 BASIN TOTAL PRECIPITATION

56 PI INCREMENTAL PRECIPITATION PATTERN
 .00 .00 .01 .01 .02 .02 .03 .03 .04 .05
 .07 .08 .07 .08 .11 .11 .10 .07 .01 .02
 .01 .01 .01 .01 .01 .01

61 LU UNIFORM LOSS RATE
 STRTL .00 INITIAL LOSS
 CNSTL .00 UNIFORM LOSS RATE
 RTIMP .00 PERCENT IMPERVIOUS AREA

61 UI INPUT UNITGRAPH, 22 ORDINATES, VOLUME = 1.00
 3073.0 2654.0 1099.0 728.0 511.0 392.0 291.0 240.0 212.0 186.0
 162.0 126.0 113.0 90.0 88.0 33.0 33.0 33.0 33.0 33.0
 32.6 6.3

HYDROGRAPH AT STATION 4

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	0.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	1.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	5.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	10.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	14.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.00	.00	.00	18.	*	3	APR	0800	57	.00	.00	.00	0.

						day1.out						
1 APR 0700	8	.00	.00	.00	23.	*	3 APR 0900	58	.00	.00	.00	0.
1 APR 0800	9	.00	.00	.00	28.	*	3 APR 1000	59	.00	.00	.00	0.
1 APR 0900	10	.00	.00	.00	34.	*	3 APR 1100	60	.00	.00	.00	0.
1 APR 1000	11	.01	.00	.01	42.	*	3 APR 1200	61	.00	.00	.00	0.
1 APR 1100	12	.01	.00	.01	55.	*	3 APR 1300	62	.00	.00	.00	0.
1 APR 1200	13	.01	.00	.01	68.	*	3 APR 1400	63	.00	.00	.00	0.
1 APR 1300	14	.01	.00	.01	75.	*	3 APR 1500	64	.00	.00	.00	0.
1 APR 1400	15	.01	.00	.01	80.	*	3 APR 1600	65	.00	.00	.00	0.
1 APR 1500	16	.01	.00	.01	98.	*	3 APR 1700	66	.00	.00	.00	0.
1 APR 1600	17	.01	.00	.01	111.	*	3 APR 1800	67	.00	.00	.00	0.
1 APR 1700	18	.01	.00	.01	115.	*	3 APR 1900	68	.00	.00	.00	0.
1 APR 1800	19	.01	.00	.01	105.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.00	.00	.00	75.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.00	.00	.00	55.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.00	.00	.00	46.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.00	.00	.00	38.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.00	.00	.00	33.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.00	.00	.00	29.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	26.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	22.	*	4 APR 0400	77	.00	.00	.00	0.
2 APR 0300	28	.00	.00	.00	17.	*	4 APR 0500	78	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	13.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	10.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	8.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	6.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	5.	*	4 APR 1000	83	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	4.	*	4 APR 1100	84	.00	.00	.00	0.
2 APR 1000	35	.00	.00	.00	3.	*	4 APR 1200	85	.00	.00	.00	0.
2 APR 1100	36	.00	.00	.00	3.	*	4 APR 1300	86	.00	.00	.00	0.
2 APR 1200	37	.00	.00	.00	2.	*	4 APR 1400	87	.00	.00	.00	0.
2 APR 1300	38	.00	.00	.00	2.	*	4 APR 1500	88	.00	.00	.00	0.
2 APR 1400	39	.00	.00	.00	1.	*	4 APR 1600	89	.00	.00	.00	0.
2 APR 1500	40	.00	.00	.00	1.	*	4 APR 1700	90	.00	.00	.00	0.
2 APR 1600	41	.00	.00	.00	0.	*	4 APR 1800	91	.00	.00	.00	0.
2 APR 1700	42	.00	.00	.00	0.	*	4 APR 1900	92	.00	.00	.00	0.
2 APR 1800	43	.00	.00	.00	0.	*	4 APR 2000	93	.00	.00	.00	0.
2 APR 1900	44	.00	.00	.00	0.	*	4 APR 2100	94	.00	.00	.00	0.
2 APR 2000	45	.00	.00	.00	0.	*	4 APR 2200	95	.00	.00	.00	0.
2 APR 2100	46	.00	.00	.00	0.	*	4 APR 2300	96	.00	.00	.00	0.
2 APR 2200	47	.00	.00	.00	0.	*	5 APR 0000	97	.00	.00	.00	0.
2 APR 2300	48	.00	.00	.00	0.	*	5 APR 0100	98	.00	.00	.00	0.
3 APR 0000	49	.00	.00	.00	0.	*	5 APR 0200	99	.00	.00	.00	0.
3 APR 0100	50	.00	.00	.00	0.	*	5 APR 0300	100	.00	.00	.00	0.

TOTAL RAINFALL = .13, TOTAL LOSS = .00, TOTAL EXCESS = .13

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)	(CFS)		

+ 115. 17.00 97. 51. 18. 13.
 (INCHES) .057 .120 .126
 (AC-FT) 48. 101. 106. 106.

day1.out

CUMULATIVE AREA = 15.76 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-4/4/FLOW/01MAR1992/1HOUR//
 -----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-4/4/FLOW/01APR1992/1HOUR//

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 * *
 67 KK * A *
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BAUTISTA CREEK CONFLUENCE

69 HC HYDROGRAPH COMBINATION
 ICOMP 3 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION A
 SUM OF 3 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	APR	0000	1	0.	*	2	APR	0100	26	437.	*	3	APR	0200	51	44.	*	4	APR	0300	76	1.	*
1	APR	0100	2	0.	*	2	APR	0200	27	393.	*	3	APR	0300	52	41.	*	4	APR	0400	77	1.	*
1	APR	0200	3	8.	*	2	APR	0300	28	343.	*	3	APR	0400	53	38.	*	4	APR	0500	78	1.	*
1	APR	0300	4	34.	*	2	APR	0400	29	293.	*	3	APR	0500	54	34.	*	4	APR	0600	79	0.	*
1	APR	0400	5	76.	*	2	APR	0500	30	252.	*	3	APR	0600	55	30.	*	4	APR	0700	80	0.	*
1	APR	0500	6	122.	*	2	APR	0600	31	223.	*	3	APR	0700	56	26.	*	4	APR	0800	81	0.	*
1	APR	0600	7	170.	*	2	APR	0700	32	200.	*	3	APR	0800	57	23.	*	4	APR	0900	82	0.	*
1	APR	0700	8	221.	*	2	APR	0800	33	181.	*	3	APR	0900	58	21.	*	4	APR	1000	83	0.	*
1	APR	0800	9	277.	*	2	APR	0900	34	165.	*	3	APR	1000	59	19.	*	4	APR	1100	84	0.	*
1	APR	0900	10	340.	*	2	APR	1000	35	153.	*	3	APR	1100	60	18.	*	4	APR	1200	85	0.	*
1	APR	1000	11	424.	*	2	APR	1100	36	141.	*	3	APR	1200	61	17.	*	4	APR	1300	86	0.	*
1	APR	1100	12	541.	*	2	APR	1200	37	131.	*	3	APR	1300	62	17.	*	4	APR	1400	87	0.	*
1	APR	1200	13	676.	*	2	APR	1300	38	122.	*	3	APR	1400	63	16.	*	4	APR	1500	88	0.	*
1	APR	1300	14	791.	*	2	APR	1400	39	114.	*	3	APR	1500	64	15.	*	4	APR	1600	89	0.	*
1	APR	1400	15	885.	*	2	APR	1500	40	106.	*	3	APR	1600	65	14.	*	4	APR	1700	90	0.	*
1	APR	1500	16	1015.	*	2	APR	1600	41	99.	*	3	APR	1700	66	13.	*	4	APR	1800	91	0.	*
1	APR	1600	17	1169.	*	2	APR	1700	42	92.	*	3	APR	1800	67	11.	*	4	APR	1900	92	0.	*

day1.out														
1 APR 1700	18	1278.	*	2 APR 1800	43	86.	*	3 APR 1900	68	10.	*	4 APR 2000	93	0.
1 APR 1800	19	1261.	*	2 APR 1900	44	79.	*	3 APR 2000	69	9.	*	4 APR 2100	94	0.
1 APR 1900	20	1103.	*	2 APR 2000	45	73.	*	3 APR 2100	70	7.	*	4 APR 2200	95	0.
1 APR 2000	21	885.	*	2 APR 2100	46	67.	*	3 APR 2200	71	5.	*	4 APR 2300	96	0.
1 APR 2100	22	717.	*	2 APR 2200	47	62.	*	3 APR 2300	72	4.	*	5 APR 0000	97	0.
1 APR 2200	23	611.	*	2 APR 2300	48	57.	*	4 APR 0000	73	2.	*	5 APR 0100	98	0.
1 APR 2300	24	538.	*	3 APR 0000	49	53.	*	4 APR 0100	74	1.	*	5 APR 0200	99	0.
2 APR 0000	25	483.	*	3 APR 0100	50	49.	*	4 APR 0200	75	1.	*	5 APR 0300	100	0.

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)					
+	1278.	17.00	(CFS)	1118.	631.	250.	182.
			(INCHES)	.042	.096	.114	.114
			(AC-FT)	555.	1252.	1490.	1490.

CUMULATIVE AREA = 245.64 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-A/A/FLOW/01MAR1992/1HOUR//
 -----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-A/A/FLOW/01APR1992/1HOUR//

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*
71 KK      *      A-B      *      ROUTE BAUTISTA CK CONFL. TO MASSACRE CANYON CONFL. NEAR SANDERSON AVE.
*
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ROUTE CONC.PT.A TO CONC.PT.B
BASED ON FJP'S PREVIOUS WORK, L=39,290 FT., Vavg=9.2 FPS.
Vw=1.5*Vavg
  
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HYDROGRAPH ROUTING DATA

75 RT	TATUM OR STRADDLE-STAGGER ROUTING
NSTPS	1 NUMBER OF TATUM STEPS
NSTD L	2 NUMBER OF ORDINATES TO BE AVERAGED
LAG	0 NUMBER OF INTERVALS TO LAG HYDROGRAPH

HYDROGRAPH AT STATION A-B

					day1.out																	
DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1	APR	0000	1	0.	*	2	APR	0100	26	460.	*	3	APR	0200	51	46.	*	4	APR	0300	76	1.
1	APR	0100	2	0.	*	2	APR	0200	27	415.	*	3	APR	0300	52	42.	*	4	APR	0400	77	1.
1	APR	0200	3	4.	*	2	APR	0300	28	368.	*	3	APR	0400	53	39.	*	4	APR	0500	78	1.
1	APR	0300	4	21.	*	2	APR	0400	29	318.	*	3	APR	0500	54	36.	*	4	APR	0600	79	0.
1	APR	0400	5	55.	*	2	APR	0500	30	273.	*	3	APR	0600	55	32.	*	4	APR	0700	80	0.
1	APR	0500	6	99.	*	2	APR	0600	31	238.	*	3	APR	0700	56	28.	*	4	APR	0800	81	0.
1	APR	0600	7	146.	*	2	APR	0700	32	211.	*	3	APR	0800	57	24.	*	4	APR	0900	82	0.
1	APR	0700	8	195.	*	2	APR	0800	33	190.	*	3	APR	0900	58	22.	*	4	APR	1000	83	0.
1	APR	0800	9	249.	*	2	APR	0900	34	173.	*	3	APR	1000	59	20.	*	4	APR	1100	84	0.
1	APR	0900	10	308.	*	2	APR	1000	35	159.	*	3	APR	1100	60	19.	*	4	APR	1200	85	0.
1	APR	1000	11	382.	*	2	APR	1100	36	147.	*	3	APR	1200	61	18.	*	4	APR	1300	86	0.
1	APR	1100	12	482.	*	2	APR	1200	37	136.	*	3	APR	1300	62	17.	*	4	APR	1400	87	0.
1	APR	1200	13	608.	*	2	APR	1300	38	127.	*	3	APR	1400	63	16.	*	4	APR	1500	88	0.
1	APR	1300	14	734.	*	2	APR	1400	39	118.	*	3	APR	1500	64	15.	*	4	APR	1600	89	0.
1	APR	1400	15	838.	*	2	APR	1500	40	110.	*	3	APR	1600	65	14.	*	4	APR	1700	90	0.
1	APR	1500	16	950.	*	2	APR	1600	41	102.	*	3	APR	1700	66	13.	*	4	APR	1800	91	0.
1	APR	1600	17	1092.	*	2	APR	1700	42	95.	*	3	APR	1800	67	12.	*	4	APR	1900	92	0.
1	APR	1700	18	1224.	*	2	APR	1800	43	89.	*	3	APR	1900	68	11.	*	4	APR	2000	93	0.
1	APR	1800	19	1269.	*	2	APR	1900	44	82.	*	3	APR	2000	69	9.	*	4	APR	2100	94	0.
1	APR	1900	20	1182.	*	2	APR	2000	45	76.	*	3	APR	2100	70	8.	*	4	APR	2200	95	0.
1	APR	2000	21	994.	*	2	APR	2100	46	70.	*	3	APR	2200	71	6.	*	4	APR	2300	96	0.
1	APR	2100	22	801.	*	2	APR	2200	47	65.	*	3	APR	2300	72	4.	*	5	APR	0000	97	0.
1	APR	2200	23	664.	*	2	APR	2300	48	60.	*	4	APR	0000	73	3.	*	5	APR	0100	98	0.
1	APR	2300	24	574.	*	3	APR	0000	49	55.	*	4	APR	0100	74	2.	*	5	APR	0200	99	0.
2	APR	0000	25	511.	*	3	APR	0100	50	51.	*	4	APR	0200	75	1.	*	5	APR	0300	100	0.

PEAK FLOW		TIME	MAXIMUM AVERAGE FLOW			
+	(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
+	1269.	18.00	1106.	631.	250.	182.
			.042	.095	.114	.114
		(INCHES)				
		(AC-FT)	548.	1251.	1490.	1490.

CUMULATIVE AREA = 245.64 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER ROUTE A-B/A-B/FLOW/01MAR1992/1HOUR//
 -----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER ROUTE A-B/A-B/FLOW/01APR1992/1HOUR//

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 * *
 77 KK * 6 * SUBAREA 6

day1.out

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MASSACRE CANYON

81 IN TIME DATA FOR INPUT TIME SERIES
JXMIN 30 TIME INTERVAL IN MINUTES
JXDATE 1APR92 STARTING DATE
JXTIME 100 STARTING TIME
UHG FROM MOUNTAIN S-GRAPH

SUBBASIN RUNOFF DATA

79 BA SUBBASIN CHARACTERISTICS
TAREA 35.42 SUBBASIN AREA

PRECIPITATION DATA

80 PB STORM .13 BASIN TOTAL PRECIPITATION

82 PI INCREMENTAL PRECIPITATION PATTERN
.00 .01 .01 .02 .02 .03 .03 .04 .05 .06
.08 .07 .07 .11 .11 .10 .08 .01 .02 .01
.01 .01 .01 .01 .01 .00

87 LU UNIFORM LOSS RATE
STRTL .00 INITIAL LOSS
CNSTL .00 UNIFORM LOSS RATE
RTIMP .00 PERCENT IMPERVIOUS AREA

87 UI INPUT UNITGRAPH, 29 ORDINATES, VOLUME = 1.00
3842.0 6708.0 2914.0 1774.0 1305.0 960.0 783.0 643.0 506.0 430.0
388.0 356.0 318.0 283.0 268.0 205.0 205.0 161.0 149.0 149.0
82.4 54.1 54.1 54.1 54.1 54.1 54.1 54.1 40.4

HYDROGRAPH AT STATION 6

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	0.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	6.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	17.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	25.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	34.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.00	.00	.00	44.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.00	.00	.00	55.	*	3	APR	0900	58	.00	.00	.00	0.

						day1.out						
1 APR 0800	9	.00	.00	.00	66.	*	3 APR 1000	59	.00	.00	.00	0.
1 APR 0900	10	.01	.00	.01	82.	*	3 APR 1100	60	.00	.00	.00	0.
1 APR 1000	11	.01	.00	.01	104.	*	3 APR 1200	61	.00	.00	.00	0.
1 APR 1100	12	.01	.00	.01	136.	*	3 APR 1300	62	.00	.00	.00	0.
1 APR 1200	13	.01	.00	.01	158.	*	3 APR 1400	63	.00	.00	.00	0.
1 APR 1300	14	.01	.00	.01	165.	*	3 APR 1500	64	.00	.00	.00	0.
1 APR 1400	15	.01	.00	.01	191.	*	3 APR 1600	65	.00	.00	.00	0.
1 APR 1500	16	.01	.00	.01	231.	*	3 APR 1700	66	.00	.00	.00	0.
1 APR 1600	17	.01	.00	.01	250.	*	3 APR 1800	67	.00	.00	.00	0.
1 APR 1700	18	.01	.00	.01	246.	*	3 APR 1900	68	.00	.00	.00	0.
1 APR 1800	19	.00	.00	.00	201.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.00	.00	.00	141.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.00	.00	.00	117.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.00	.00	.00	98.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.00	.00	.00	85.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.00	.00	.00	76.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.00	.00	.00	68.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	61.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	52.	*	4 APR 0400	77	.00	.00	.00	0.
2 APR 0300	28	.00	.00	.00	41.	*	4 APR 0500	78	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	34.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	30.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	25.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	22.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	19.	*	4 APR 1000	83	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	16.	*	4 APR 1100	84	.00	.00	.00	0.
2 APR 1000	35	.00	.00	.00	14.	*	4 APR 1200	85	.00	.00	.00	0.
2 APR 1100	36	.00	.00	.00	12.	*	4 APR 1300	86	.00	.00	.00	0.
2 APR 1200	37	.00	.00	.00	10.	*	4 APR 1400	87	.00	.00	.00	0.
2 APR 1300	38	.00	.00	.00	8.	*	4 APR 1500	88	.00	.00	.00	0.
2 APR 1400	39	.00	.00	.00	7.	*	4 APR 1600	89	.00	.00	.00	0.
2 APR 1500	40	.00	.00	.00	6.	*	4 APR 1700	90	.00	.00	.00	0.
2 APR 1600	41	.00	.00	.00	5.	*	4 APR 1800	91	.00	.00	.00	0.
2 APR 1700	42	.00	.00	.00	5.	*	4 APR 1900	92	.00	.00	.00	0.
2 APR 1800	43	.00	.00	.00	4.	*	4 APR 2000	93	.00	.00	.00	0.
2 APR 1900	44	.00	.00	.00	3.	*	4 APR 2100	94	.00	.00	.00	0.
2 APR 2000	45	.00	.00	.00	2.	*	4 APR 2200	95	.00	.00	.00	0.
2 APR 2100	46	.00	.00	.00	1.	*	4 APR 2300	96	.00	.00	.00	0.
2 APR 2200	47	.00	.00	.00	1.	*	5 APR 0000	97	.00	.00	.00	0.
2 APR 2300	48	.00	.00	.00	1.	*	5 APR 0100	98	.00	.00	.00	0.
3 APR 0000	49	.00	.00	.00	0.	*	5 APR 0200	99	.00	.00	.00	0.
3 APR 0100	50	.00	.00	.00	0.	*	5 APR 0300	100	.00	.00	.00	0.

TOTAL RAINFALL = .13, TOTAL LOSS = .00, TOTAL EXCESS = .13

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	
+	(CFS)	(HR)		24-HR	72-HR
+	250.	16.00	(CFS)	212.	114.
				41.	30.

(INCHES) .056 .119 .130 day1.out
 (AC-FT) 105. 226. 245. .130
 245.

CUMULATIVE AREA = 35.42 SQ MI

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 92 KK * 5 * SUBAREA 5
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SOBOBA-GILMAN

96 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 30 TIME INTERVAL IN MINUTES
 JXDATE 1APR92 STARTING DATE
 JXTIME 55 STARTING TIME
 UHG FROM MOUNTAIN S-GRAPH

SUBBASIN RUNOFF DATA

94 BA SUBBASIN CHARACTERISTICS
 TAREA 12.07 SUBBASIN AREA

PRECIPITATION DATA

95 PB STORM .09 BASIN TOTAL PRECIPITATION

97 PI INCREMENTAL PRECIPITATION PATTERN
 .01 .01 .02 .02 .03 .03 .04 .05 .06 .08
 .07 .07 .10 .12 .10 .09 .02 .02 .01 .01
 .01 .01 .01 .01 .00 .00

102 LU UNIFORM LOSS RATE
 STRTL .00 INITIAL LOSS
 CNSTL .00 UNIFORM LOSS RATE
 RTIMP .00 PERCENT IMPERVIOUS AREA

102 UI INPUT UNITGRAPH, 23 ORDINATES, VOLUME = 1.00
 2082.0 2170.0 853.0 570.0 401.0 309.0 227.0 186.0 163.0 144.0
 126.0 110.0 89.0 77.0 65.0 60.0 24.0 24.0 24.0 24.0
 23.5 23.5 12.1

day1.out
HYDROGRAPH AT STATION 5

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	2.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	5.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	7.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	9.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	12.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.00	.00	.00	14.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.00	.00	.00	17.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.00	.00	.00	21.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.01	.00	.01	27.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.01	.00	.01	35.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.01	.00	.01	40.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	41.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.01	.00	.01	49.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.01	.00	.01	59.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.01	.00	.01	62.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.01	.00	.01	60.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.00	.00	.00	46.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	33.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	27.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	22.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	19.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	17.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	15.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	13.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	11.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	8.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	6.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	5.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	4.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	3.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	3.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	2.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	2.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	2.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	1.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	1.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	1.	*	4	APR	1500	88	.00	.00	.00	0.
2	APR	1400	39	.00	.00	.00	0.	*	4	APR	1600	89	.00	.00	.00	0.
2	APR	1500	40	.00	.00	.00	0.	*	4	APR	1700	90	.00	.00	.00	0.
2	APR	1600	41	.00	.00	.00	0.	*	4	APR	1800	91	.00	.00	.00	0.
2	APR	1700	42	.00	.00	.00	0.	*	4	APR	1900	92	.00	.00	.00	0.
2	APR	1800	43	.00	.00	.00	0.	*	4	APR	2000	93	.00	.00	.00	0.
2	APR	1900	44	.00	.00	.00	0.	*	4	APR	2100	94	.00	.00	.00	0.
2	APR	2000	45	.00	.00	.00	0.	*	4	APR	2200	95	.00	.00	.00	0.
2	APR	2100	46	.00	.00	.00	0.	*	4	APR	2300	96	.00	.00	.00	0.

							day1.out							
2 APR 2200	47	.00	.00	.00	0.	*	5 APR 0000	97	.00	.00	.00	0.		
2 APR 2300	48	.00	.00	.00	0.	*	5 APR 0100	98	.00	.00	.00	0.		
3 APR 0000	49	.00	.00	.00	0.	*	5 APR 0200	99	.00	.00	.00	0.		
3 APR 0100	50	.00	.00	.00	0.	*	5 APR 0300	100	.00	.00	.00	0.		
							*							

TOTAL RAINFALL = .09, TOTAL LOSS = .00, TOTAL EXCESS = .09

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	72-HR	99.00-HR
+	(CFS)	(HR)		24-HR		
			(CFS)			
+	62.	15.00	52.	28.	10.	7.
			(INCHES)	.085	.090	.090
			(AC-FT)	55.	58.	58.

CUMULATIVE AREA = 12.07 SQ MI

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107 KK

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* B *

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MASSACRE CANYON CONFLUENCE NEAR SANDERSON AVENUE

109 HC HYDROGRAPH COMBINATION

ICOMP 3 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION B

SUM OF 3 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	APR	0000	1	0.	*	2	APR	0100	26	532.	*	3	APR	0200	51	47.	*	4	APR	0300	76	1.	*
1	APR	0100	2	2.	*	2	APR	0200	27	475.	*	3	APR	0300	52	43.	*	4	APR	0400	77	1.	*
1	APR	0200	3	14.	*	2	APR	0300	28	415.	*	3	APR	0400	53	39.	*	4	APR	0500	78	1.	*
1	APR	0300	4	44.	*	2	APR	0400	29	358.	*	3	APR	0500	54	36.	*	4	APR	0600	79	0.	*
1	APR	0400	5	89.	*	2	APR	0500	30	306.	*	3	APR	0600	55	32.	*	4	APR	0700	80	0.	*
1	APR	0500	6	145.	*	2	APR	0600	31	266.	*	3	APR	0700	56	28.	*	4	APR	0800	81	0.	*

day1.out														
1 APR 0600	7	204.	*	2 APR 0700	32	236.	*	3 APR 0800	57	24.	*	4 APR 0900	82	0.
1 APR 0700	8	267.	*	2 APR 0800	33	211.	*	3 APR 0900	58	22.	*	4 APR 1000	83	0.
1 APR 0800	9	336.	*	2 APR 0900	34	191.	*	3 APR 1000	59	20.	*	4 APR 1100	84	0.
1 APR 0900	10	417.	*	2 APR 1000	35	174.	*	3 APR 1100	60	19.	*	4 APR 1200	85	0.
1 APR 1000	11	521.	*	2 APR 1100	36	160.	*	3 APR 1200	61	18.	*	4 APR 1300	86	0.
1 APR 1100	12	658.	*	2 APR 1200	37	147.	*	3 APR 1300	62	17.	*	4 APR 1400	87	0.
1 APR 1200	13	808.	*	2 APR 1300	38	135.	*	3 APR 1400	63	16.	*	4 APR 1500	88	0.
1 APR 1300	14	948.	*	2 APR 1400	39	125.	*	3 APR 1500	64	15.	*	4 APR 1600	89	0.
1 APR 1400	15	1088.	*	2 APR 1500	40	116.	*	3 APR 1600	65	14.	*	4 APR 1700	90	0.
1 APR 1500	16	1243.	*	2 APR 1600	41	108.	*	3 APR 1700	66	13.	*	4 APR 1800	91	0.
1 APR 1600	17	1402.	*	2 APR 1700	42	100.	*	3 APR 1800	67	12.	*	4 APR 1900	92	0.
1 APR 1700	18	1516.	*	2 APR 1800	43	93.	*	3 APR 1900	68	11.	*	4 APR 2000	93	0.
1 APR 1800	19	1503.	*	2 APR 1900	44	85.	*	3 APR 2000	69	9.	*	4 APR 2100	94	0.
1 APR 1900	20	1349.	*	2 APR 2000	45	78.	*	3 APR 2100	70	8.	*	4 APR 2200	95	0.
1 APR 2000	21	1132.	*	2 APR 2100	46	71.	*	3 APR 2200	71	6.	*	4 APR 2300	96	0.
1 APR 2100	22	918.	*	2 APR 2200	47	65.	*	3 APR 2300	72	4.	*	5 APR 0000	97	0.
1 APR 2200	23	766.	*	2 APR 2300	48	60.	*	4 APR 0000	73	3.	*	5 APR 0100	98	0.
1 APR 2300	24	665.	*	3 APR 0000	49	56.	*	4 APR 0100	74	2.	*	5 APR 0200	99	0.
2 APR 0000	25	592.	*	3 APR 0100	50	51.	*	4 APR 0200	75	1.	*	5 APR 0300	100	0.

PEAK FLOW	TIME		MAXIMUM	AVERAGE FLOW	
+	(CFS)	(HR)	6-HR	24-HR	72-HR
+	1516.	17.00	1354.	769.	301.
		(CFS)			
		(INCHES)	.043	.098	.115
		(AC-FT)	671.	1526.	1793.

CUMULATIVE AREA = 293.13 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-B/B/FLOW/01MAR1992/1HOUR//
 -----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-B/B/FLOW/01APR1992/1HOUR//

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 111 KK * 7 * SUBAREA 7
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LAMB CANYON

115 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 15 TIME INTERVAL IN MINUTES
 JXDATE 1APR92 STARTING DATE
 JXTIME 45 STARTING TIME
 UHG FROM MOUNTAIN S-GRAPH

day1.out

SUBBASIN RUNOFF DATA

113 BA SUBBASIN CHARACTERISTICS
TAREA 5.64 SUBBASIN AREA

PRECIPITATION DATA

114 PB STORM .11 BASIN TOTAL PRECIPITATION

116 PI INCREMENTAL PRECIPITATION PATTERN
.01 .01 .02 .02 .03 .03 .04 .04 .06 .08
.07 .07 .10 .12 .10 .09 .03 .02 .02 .01
.01 .01 .01 .01 .00 .00

126 LU UNIFORM LOSS RATE
STRTL .00 INITIAL LOSS
CNSTL .00 UNIFORM LOSS RATE
RTIMP .00 PERCENT IMPERVIOUS AREA

126 UI INPUT UNITGRAPH, 16 ORDINATES, VOLUME = 1.00
1530.0 793.0 373.0 234.0 161.0 119.0 99.0 82.0 65.0 52.0
42.5 23.9 15.5 15.5 15.5

HYDROGRAPH AT STATION 7

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	1.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	3.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	4.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	6.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	7.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.00	.00	.00	9.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.00	.00	.00	11.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.00	.00	.00	13.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.01	.00	.01	17.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.01	.00	.01	22.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.01	.00	.01	24.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	26.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.01	.00	.01	30.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.01	.00	.01	37.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.01	.00	.01	38.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.01	.00	.01	36.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.00	.00	.00	25.	*	3	APR	1900	68	.00	.00	.00	0.

						day1.out						
1 APR 1800	19	.00	.00	.00	18.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.00	.00	.00	14.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.00	.00	.00	12.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.00	.00	.00	10.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.00	.00	.00	8.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.00	.00	.00	7.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.00	.00	.00	6.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	4.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	3.	*	4 APR 0400	77	.00	.00	.00	0.
2 APR 0300	28	.00	.00	.00	2.	*	4 APR 0500	78	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	2.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	1.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	1.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	1.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	0.	*	4 APR 1000	83	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	0.	*	4 APR 1100	84	.00	.00	.00	0.
2 APR 1000	35	.00	.00	.00	0.	*	4 APR 1200	85	.00	.00	.00	0.
2 APR 1100	36	.00	.00	.00	0.	*	4 APR 1300	86	.00	.00	.00	0.
2 APR 1200	37	.00	.00	.00	0.	*	4 APR 1400	87	.00	.00	.00	0.
2 APR 1300	38	.00	.00	.00	0.	*	4 APR 1500	88	.00	.00	.00	0.
2 APR 1400	39	.00	.00	.00	0.	*	4 APR 1600	89	.00	.00	.00	0.
2 APR 1500	40	.00	.00	.00	0.	*	4 APR 1700	90	.00	.00	.00	0.
2 APR 1600	41	.00	.00	.00	0.	*	4 APR 1800	91	.00	.00	.00	0.
2 APR 1700	42	.00	.00	.00	0.	*	4 APR 1900	92	.00	.00	.00	0.
2 APR 1800	43	.00	.00	.00	0.	*	4 APR 2000	93	.00	.00	.00	0.
2 APR 1900	44	.00	.00	.00	0.	*	4 APR 2100	94	.00	.00	.00	0.
2 APR 2000	45	.00	.00	.00	0.	*	4 APR 2200	95	.00	.00	.00	0.
2 APR 2100	46	.00	.00	.00	0.	*	4 APR 2300	96	.00	.00	.00	0.
2 APR 2200	47	.00	.00	.00	0.	*	5 APR 0000	97	.00	.00	.00	0.
2 APR 2300	48	.00	.00	.00	0.	*	5 APR 0100	98	.00	.00	.00	0.
3 APR 0000	49	.00	.00	.00	0.	*	5 APR 0200	99	.00	.00	.00	0.
3 APR 0100	50	.00	.00	.00	0.	*	5 APR 0300	100	.00	.00	.00	0.
						*						

TOTAL RAINFALL = .11, TOTAL LOSS = .00, TOTAL EXCESS = .11

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW					
(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR		
+	38.	15.00	(CFS)	32.	16.	6.	4.
			(INCHES)	.053	.107	.110	.110
			(AC-FT)	16.	32.	33.	33.
CUMULATIVE AREA =		5.64 SQ MI					

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day1.out

130 KK *****
* *
* C *
* *

LAMB CANYON CONFLUENCE

132 HC HYDROGRAPH COMBINATION
ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION C
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1	APR	0000	1	0.	*	2	APR	0100	26	536.	*	3	APR	0200	51	47.	*	4	APR	0300	76	1.
1	APR	0100	2	3.	*	2	APR	0200	27	478.	*	3	APR	0300	52	43.	*	4	APR	0400	77	1.
1	APR	0200	3	17.	*	2	APR	0300	28	417.	*	3	APR	0400	53	39.	*	4	APR	0500	78	1.
1	APR	0300	4	49.	*	2	APR	0400	29	359.	*	3	APR	0500	54	36.	*	4	APR	0600	79	0.
1	APR	0400	5	94.	*	2	APR	0500	30	308.	*	3	APR	0600	55	32.	*	4	APR	0700	80	0.
1	APR	0500	6	152.	*	2	APR	0600	31	267.	*	3	APR	0700	56	28.	*	4	APR	0800	81	0.
1	APR	0600	7	213.	*	2	APR	0700	32	236.	*	3	APR	0800	57	24.	*	4	APR	0900	82	0.
1	APR	0700	8	278.	*	2	APR	0800	33	211.	*	3	APR	0900	58	22.	*	4	APR	1000	83	0.
1	APR	0800	9	349.	*	2	APR	0900	34	191.	*	3	APR	1000	59	20.	*	4	APR	1100	84	0.
1	APR	0900	10	434.	*	2	APR	1000	35	174.	*	3	APR	1100	60	19.	*	4	APR	1200	85	0.
1	APR	1000	11	543.	*	2	APR	1100	36	160.	*	3	APR	1200	61	18.	*	4	APR	1300	86	0.
1	APR	1100	12	682.	*	2	APR	1200	37	147.	*	3	APR	1300	62	17.	*	4	APR	1400	87	0.
1	APR	1200	13	834.	*	2	APR	1300	38	136.	*	3	APR	1400	63	16.	*	4	APR	1500	88	0.
1	APR	1300	14	978.	*	2	APR	1400	39	125.	*	3	APR	1500	64	15.	*	4	APR	1600	89	0.
1	APR	1400	15	1125.	*	2	APR	1500	40	116.	*	3	APR	1600	65	14.	*	4	APR	1700	90	0.
1	APR	1500	16	1281.	*	2	APR	1600	41	108.	*	3	APR	1700	66	13.	*	4	APR	1800	91	0.
1	APR	1600	17	1438.	*	2	APR	1700	42	100.	*	3	APR	1800	67	12.	*	4	APR	1900	92	0.
1	APR	1700	18	1541.	*	2	APR	1800	43	93.	*	3	APR	1900	68	11.	*	4	APR	2000	93	0.
1	APR	1800	19	1521.	*	2	APR	1900	44	85.	*	3	APR	2000	69	9.	*	4	APR	2100	94	0.
1	APR	1900	20	1364.	*	2	APR	2000	45	78.	*	3	APR	2100	70	8.	*	4	APR	2200	95	0.
1	APR	2000	21	1144.	*	2	APR	2100	46	71.	*	3	APR	2200	71	6.	*	4	APR	2300	96	0.
1	APR	2100	22	928.	*	2	APR	2200	47	65.	*	3	APR	2300	72	4.	*	5	APR	0000	97	0.
1	APR	2200	23	774.	*	2	APR	2300	48	60.	*	4	APR	0000	73	3.	*	5	APR	0100	98	0.
1	APR	2300	24	672.	*	3	APR	0000	49	56.	*	4	APR	0100	74	2.	*	5	APR	0200	99	0.
2	APR	0000	25	598.	*	3	APR	0100	50	51.	*	4	APR	0200	75	1.	*	5	APR	0300	100	0.

PEAK FLOW TIME MAXIMUM AVERAGE FLOW
6-HR 24-HR 72-HR 99.00-HR

day1.out

+	(CFS)	(HR)	(CFS)				
+	1541.	17.00	1380.	784.	307.	223.	
		(INCHES)	.043	.098	.115	.115	
		(AC-FT)	684.	1556.	1826.	1827.	

CUMULATIVE AREA = 298.77 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-C/C/FLOW/01MAR1992/1HOUR//

-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-C/C/FLOW/01APR1992/1HOUR//

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134 KK	*	*	
	*	*	
	8	*	SUBAREA 8
	*	*	

LABORDE CANYON

138 IN TIME DATA FOR INPUT TIME SERIES

JXMIN	15	TIME INTERVAL IN MINUTES
JXDATE	1APR92	STARTING DATE
JXTIME	45	STARTING TIME

UHG FROM MOUNTAIN S-GRAPH

SUBBASIN RUNOFF DATA

136 BA SUBBASIN CHARACTERISTICS

TAREA	9.73	SUBBASIN AREA
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PRECIPITATION DATA

137 PB STORM .11 BASIN TOTAL PRECIPITATION

139 PI INCREMENTAL PRECIPITATION PATTERN

.01	.01	.02	.02	.03	.03	.04	.04	.06	.08
.07	.07	.10	.12	.10	.09	.03	.02	.02	.01
.01	.01	.01	.01	.00	.00				

149 LU UNIFORM LOSS RATE

STRTL	.00	INITIAL LOSS
CNSTL	.00	UNIFORM LOSS RATE
RTIMP	.00	PERCENT IMPERVIOUS AREA

149 UI INPUT UNITGRAPH, 16 ORDINATES, VOLUME = 1.00

2711.0	1342.0	638.0	403.0	272.0	203.0	171.0	141.0	108.0	85.0
75.3	27.8	27.4	27.4	27.4	16.1				

day1.out

HYDROGRAPH AT STATION 8

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	2.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	5.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	8.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	10.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	13.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.00	.00	.00	16.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.00	.00	.00	19.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.00	.00	.00	23.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.01	.00	.01	30.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.01	.00	.01	40.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.01	.00	.01	43.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	46.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.01	.00	.01	54.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.01	.00	.01	66.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.01	.00	.01	67.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.01	.00	.01	64.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.00	.00	.00	45.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	32.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	25.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	20.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	17.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	15.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	13.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	11.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	8.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	5.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	3.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	3.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	2.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	1.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	1.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	1.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	0.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	0.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	0.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	0.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	0.	*	4	APR	1500	88	.00	.00	.00	0.
2	APR	1400	39	.00	.00	.00	0.	*	4	APR	1600	89	.00	.00	.00	0.
2	APR	1500	40	.00	.00	.00	0.	*	4	APR	1700	90	.00	.00	.00	0.
2	APR	1600	41	.00	.00	.00	0.	*	4	APR	1800	91	.00	.00	.00	0.
2	APR	1700	42	.00	.00	.00	0.	*	4	APR	1900	92	.00	.00	.00	0.

							day1.out						
2 APR 1800	43	.00	.00	.00	0.	*	4 APR 2000	93	.00	.00	.00	0.	
2 APR 1900	44	.00	.00	.00	0.	*	4 APR 2100	94	.00	.00	.00	0.	
2 APR 2000	45	.00	.00	.00	0.	*	4 APR 2200	95	.00	.00	.00	0.	
2 APR 2100	46	.00	.00	.00	0.	*	4 APR 2300	96	.00	.00	.00	0.	
2 APR 2200	47	.00	.00	.00	0.	*	5 APR 0000	97	.00	.00	.00	0.	
2 APR 2300	48	.00	.00	.00	0.	*	5 APR 0100	98	.00	.00	.00	0.	
3 APR 0000	49	.00	.00	.00	0.	*	5 APR 0200	99	.00	.00	.00	0.	
3 APR 0100	50	.00	.00	.00	0.	*	5 APR 0300	100	.00	.00	.00	0.	

TOTAL RAINFALL = .11, TOTAL LOSS = .00, TOTAL EXCESS = .11

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
+	67.	15.00	(CFS)			
			57.	29.	10.	7.
		(INCHES)	.054	.110	.113	.113
		(AC-FT)	28.	57.	59.	59.

CUMULATIVE AREA = 9.73 SQ MI

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153 KK *****
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LABORDE CANYON CONFLUENCE

155 HC HYDROGRAPH COMBINATION
 ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION D
 SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1 APR	0000		1	0.	*	2 APR	0100		26	544.	*	3 APR	0200		51	47.	*	4 APR	0300		76	1.	*
1 APR	0100		2	6.	*	2 APR	0200		27	483.	*	3 APR	0300		52	43.	*	4 APR	0400		77	1.	*

day1.out														
1 APR 0200	3	22.	*	2 APR 0300	28	421.	*	3 APR 0400	53	39.	*	4 APR 0500	78	1.
1 APR 0300	4	56.	*	2 APR 0400	29	362.	*	3 APR 0500	54	36.	*	4 APR 0600	79	0.
1 APR 0400	5	104.	*	2 APR 0500	30	310.	*	3 APR 0600	55	32.	*	4 APR 0700	80	0.
1 APR 0500	6	165.	*	2 APR 0600	31	269.	*	3 APR 0700	56	28.	*	4 APR 0800	81	0.
1 APR 0600	7	228.	*	2 APR 0700	32	237.	*	3 APR 0800	57	24.	*	4 APR 0900	82	0.
1 APR 0700	8	297.	*	2 APR 0800	33	212.	*	3 APR 0900	58	22.	*	4 APR 1000	83	0.
1 APR 0800	9	372.	*	2 APR 0900	34	192.	*	3 APR 1000	59	20.	*	4 APR 1100	84	0.
1 APR 0900	10	465.	*	2 APR 1000	35	174.	*	3 APR 1100	60	19.	*	4 APR 1200	85	0.
1 APR 1000	11	583.	*	2 APR 1100	36	160.	*	3 APR 1200	61	18.	*	4 APR 1300	86	0.
1 APR 1100	12	725.	*	2 APR 1200	37	147.	*	3 APR 1300	62	17.	*	4 APR 1400	87	0.
1 APR 1200	13	879.	*	2 APR 1300	38	136.	*	3 APR 1400	63	16.	*	4 APR 1500	88	0.
1 APR 1300	14	1033.	*	2 APR 1400	39	126.	*	3 APR 1500	64	15.	*	4 APR 1600	89	0.
1 APR 1400	15	1191.	*	2 APR 1500	40	116.	*	3 APR 1600	65	14.	*	4 APR 1700	90	0.
1 APR 1500	16	1347.	*	2 APR 1600	41	108.	*	3 APR 1700	66	13.	*	4 APR 1800	91	0.
1 APR 1600	17	1502.	*	2 APR 1700	42	100.	*	3 APR 1800	67	12.	*	4 APR 1900	92	0.
1 APR 1700	18	1586.	*	2 APR 1800	43	93.	*	3 APR 1900	68	11.	*	4 APR 2000	93	0.
1 APR 1800	19	1553.	*	2 APR 1900	44	85.	*	3 APR 2000	69	9.	*	4 APR 2100	94	0.
1 APR 1900	20	1389.	*	2 APR 2000	45	78.	*	3 APR 2100	70	8.	*	4 APR 2200	95	0.
1 APR 2000	21	1164.	*	2 APR 2100	46	71.	*	3 APR 2200	71	6.	*	4 APR 2300	96	0.
1 APR 2100	22	945.	*	2 APR 2200	47	65.	*	3 APR 2300	72	4.	*	5 APR 0000	97	0.
1 APR 2200	23	789.	*	2 APR 2300	48	60.	*	4 APR 0000	73	3.	*	5 APR 0100	98	0.
1 APR 2300	24	685.	*	3 APR 0000	49	56.	*	4 APR 0100	74	2.	*	5 APR 0200	99	0.
2 APR 0000	25	609.	*	3 APR 0100	50	51.	*	4 APR 0200	75	1.	*	5 APR 0300	100	0.

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
1586.	17.00	1426.	812.	317.	230.
(INCHES)		.043	.098	.115	.115
(AC-FT)		707.	1610.	1885.	1885.

CUMULATIVE AREA = 308.50 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-D/D/FLOW/01MAR1992/1HOUR//
 -----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-D/D/FLOW/01APR1992/1HOUR//

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157 KK 9 SUBAREA 9

SAN JACINTO VALLEY

161 IN TIME DATA FOR INPUT TIME SERIES

day1.out

JXMIN 30 TIME INTERVAL IN MINUTES
JXDATE 1APR92 STARTING DATE
JXTIME 50 STARTING TIME
UHG FROM MOUNTAIN S-GRAPH

SUBBASIN RUNOFF DATA

159 BA SUBBASIN CHARACTERISTICS
TAREA 43.98 SUBBASIN AREA

PRECIPITATION DATA

160 PB STORM .08 BASIN TOTAL PRECIPITATION

162 PI INCREMENTAL PRECIPITATION PATTERN
.01 .01 .02 .02 .03 .03 .04 .04 .06 .08
.07 .07 .10 .12 .10 .09 .02 .02 .01 .01
.01 .01 .01 .01 .00 .00

167 LU UNIFORM LOSS RATE
STRTL .00 INITIAL LOSS
CNSTL .00 UNIFORM LOSS RATE
RTIMP .00 PERCENT IMPERVIOUS AREA

167 UI INPUT UNITGRAPH, 18 ORDINATES, VOLUME = 1.00
10816.0 6517.0 3012.0 1883.0 1344.0 952.0 775.0 668.0 560.0 444.0
370.0 299.0 210.0 109.0 109.0 109.0 109.0 81.0

HYDROGRAPH AT STATION 9

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	8.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	16.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	24.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	32.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	41.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.00	.00	.00	49.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.00	.00	.00	60.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.00	.00	.00	74.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.00	.00	.00	96.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.01	.00	.01	126.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.01	.00	.01	136.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	144.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.01	.00	.01	174.	*	3	APR	1500	64	.00	.00	.00	0.

						day1.out						
1 APR 1400	15	.01	.00	.01	207.	*	3 APR 1600	65	.00	.00	.00	0.
1 APR 1500	16	.01	.00	.01	212.	*	3 APR 1700	66	.00	.00	.00	0.
1 APR 1600	17	.01	.00	.01	204.	*	3 APR 1800	67	.00	.00	.00	0.
1 APR 1700	18	.00	.00	.00	144.	*	3 APR 1900	68	.00	.00	.00	0.
1 APR 1800	19	.00	.00	.00	104.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.00	.00	.00	83.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.00	.00	.00	68.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.00	.00	.00	58.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.00	.00	.00	51.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.00	.00	.00	44.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.00	.00	.00	38.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	28.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	20.	*	4 APR 0400	77	.00	.00	.00	0.
2 APR 0300	28	.00	.00	.00	14.	*	4 APR 0500	78	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	11.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	8.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	7.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	5.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	4.	*	4 APR 1000	83	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	2.	*	4 APR 1100	84	.00	.00	.00	0.
2 APR 1000	35	.00	.00	.00	1.	*	4 APR 1200	85	.00	.00	.00	0.
2 APR 1100	36	.00	.00	.00	1.	*	4 APR 1300	86	.00	.00	.00	0.
2 APR 1200	37	.00	.00	.00	1.	*	4 APR 1400	87	.00	.00	.00	0.
2 APR 1300	38	.00	.00	.00	0.	*	4 APR 1500	88	.00	.00	.00	0.
2 APR 1400	39	.00	.00	.00	0.	*	4 APR 1600	89	.00	.00	.00	0.
2 APR 1500	40	.00	.00	.00	0.	*	4 APR 1700	90	.00	.00	.00	0.
2 APR 1600	41	.00	.00	.00	0.	*	4 APR 1800	91	.00	.00	.00	0.
2 APR 1700	42	.00	.00	.00	0.	*	4 APR 1900	92	.00	.00	.00	0.
2 APR 1800	43	.00	.00	.00	0.	*	4 APR 2000	93	.00	.00	.00	0.
2 APR 1900	44	.00	.00	.00	0.	*	4 APR 2100	94	.00	.00	.00	0.
2 APR 2000	45	.00	.00	.00	0.	*	4 APR 2200	95	.00	.00	.00	0.
2 APR 2100	46	.00	.00	.00	0.	*	4 APR 2300	96	.00	.00	.00	0.
2 APR 2200	47	.00	.00	.00	0.	*	5 APR 0000	97	.00	.00	.00	0.
2 APR 2300	48	.00	.00	.00	0.	*	5 APR 0100	98	.00	.00	.00	0.
3 APR 0000	49	.00	.00	.00	0.	*	5 APR 0200	99	.00	.00	.00	0.
3 APR 0100	50	.00	.00	.00	0.	*	5 APR 0300	100	.00	.00	.00	0.

TOTAL RAINFALL = .08, TOTAL LOSS = .00, TOTAL EXCESS = .08

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	
+	(CFS)	(HR)		24-HR	72-HR
+	212.	15.00			
			(CFS)		
			180.	92.	32.
			.038	.078	.081
			(INCHES)		
			89.	183.	190.
			(AC-FT)		

CUMULATIVE AREA = 43.98 SQ MI

day1.out

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171 KK

*
* E *
*

BRIDGE STREET

173 HC HYDROGRAPH COMBINATION
ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION E
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1	APR	0000	1	0.	*	2	APR	0100	26	572.	*	3	APR	0200	51	47.	*	4	APR	0300	76	1.
1	APR	0100	2	14.	*	2	APR	0200	27	502.	*	3	APR	0300	52	43.	*	4	APR	0400	77	1.
1	APR	0200	3	39.	*	2	APR	0300	28	435.	*	3	APR	0400	53	39.	*	4	APR	0500	78	1.
1	APR	0300	4	81.	*	2	APR	0400	29	373.	*	3	APR	0500	54	36.	*	4	APR	0600	79	0.
1	APR	0400	5	136.	*	2	APR	0500	30	318.	*	3	APR	0600	55	32.	*	4	APR	0700	80	0.
1	APR	0500	6	206.	*	2	APR	0600	31	275.	*	3	APR	0700	56	28.	*	4	APR	0800	81	0.
1	APR	0600	7	277.	*	2	APR	0700	32	242.	*	3	APR	0800	57	24.	*	4	APR	0900	82	0.
1	APR	0700	8	357.	*	2	APR	0800	33	215.	*	3	APR	0900	58	22.	*	4	APR	1000	83	0.
1	APR	0800	9	446.	*	2	APR	0900	34	194.	*	3	APR	1000	59	20.	*	4	APR	1100	84	0.
1	APR	0900	10	561.	*	2	APR	1000	35	176.	*	3	APR	1100	60	19.	*	4	APR	1200	85	0.
1	APR	1000	11	709.	*	2	APR	1100	36	161.	*	3	APR	1200	61	18.	*	4	APR	1300	86	0.
1	APR	1100	12	860.	*	2	APR	1200	37	148.	*	3	APR	1300	62	17.	*	4	APR	1400	87	0.
1	APR	1200	13	1024.	*	2	APR	1300	38	136.	*	3	APR	1400	63	16.	*	4	APR	1500	88	0.
1	APR	1300	14	1206.	*	2	APR	1400	39	126.	*	3	APR	1500	64	15.	*	4	APR	1600	89	0.
1	APR	1400	15	1398.	*	2	APR	1500	40	117.	*	3	APR	1600	65	14.	*	4	APR	1700	90	0.
1	APR	1500	16	1560.	*	2	APR	1600	41	108.	*	3	APR	1700	66	13.	*	4	APR	1800	91	0.
1	APR	1600	17	1706.	*	2	APR	1700	42	100.	*	3	APR	1800	67	12.	*	4	APR	1900	92	0.
1	APR	1700	18	1730.	*	2	APR	1800	43	93.	*	3	APR	1900	68	11.	*	4	APR	2000	93	0.
1	APR	1800	19	1658.	*	2	APR	1900	44	85.	*	3	APR	2000	69	9.	*	4	APR	2100	94	0.
1	APR	1900	20	1471.	*	2	APR	2000	45	78.	*	3	APR	2100	70	8.	*	4	APR	2200	95	0.
1	APR	2000	21	1233.	*	2	APR	2100	46	71.	*	3	APR	2200	71	6.	*	4	APR	2300	96	0.
1	APR	2100	22	1003.	*	2	APR	2200	47	65.	*	3	APR	2300	72	4.	*	5	APR	0000	97	0.
1	APR	2200	23	840.	*	2	APR	2300	48	60.	*	4	APR	0000	73	3.	*	5	APR	0100	98	0.
1	APR	2300	24	729.	*	3	APR	0000	49	56.	*	4	APR	0100	74	2.	*	5	APR	0200	99	0.
2	APR	0000	25	647.	*	3	APR	0100	50	51.	*	4	APR	0200	75	1.	*	5	APR	0300	100	0.

day1.out

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	99.00-HR
(CFS)	(HR)						
+	1730.	17.00	1573.	901.	349.	254.	
		(CFS)					
		(INCHES)	.042	.095	.110	.110	
		(AC-FT)	780.	1786.	2075.	2075.	

CUMULATIVE AREA = 352.48 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-E/E/FLOW/01MAR1992/1HOUR//
-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-E/E/FLOW/01APR1992/1HOUR//

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* *
175 KK * E-F * ROUTE
* *

ROUTE BRIDGE ST TO SPLIT(before split flow)
BASED ON SV-SQ DATA FROM HEC-RAS Updated 14Apr2010- MLA
MYSTIC LAKE FULL CONDITIONS - I.E. 1424 WSE
Time Step (Ave Travel Time = 5.09 Hours - Divide by 1.5 Vw=3.39 hr)
Because of this use NSTPS = 3 jcc 9 Feb 2010

HYDROGRAPH ROUTING DATA

181 RS	STORAGE ROUTING										
	NSTPS	3	NUMBER OF SUBREACHES								
	ITYP	STOR	TYPE OF INITIAL CONDITION								
	RSVRIC	-1.00	INITIAL CONDITION								
	X	.00	WORKING R AND D COEFFICIENT								
182 SV	STORAGE	.0	5422.0	6214.0	7192.0	8523.0	9595.0	10477.0	11979.0	15904.0	18679.0
		20011.0	21382.0	22528.0	23644.0	27656.0	31546.0				
184 SQ	DISCHARGE	0.	500.	1000.	2000.	4000.	6000.	8000.	10000.	15000.	20000.
		25000.	30000.	35000.	40000.	60000.	80000.				

HYDROGRAPH AT STATION E-F

day1.out

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE
1	APR	0000	1	0.	.00	*	2	APR	1000	35	27.	98.17	*	3	APR	2000	69	114.	412.14
1	APR	0100	2	0.	.00	*	2	APR	1100	36	30.	106.84	*	3	APR	2100	70	116.	419.51
1	APR	0200	3	0.	.00	*	2	APR	1200	37	32.	115.73	*	3	APR	2200	71	118.	426.70
1	APR	0300	4	0.	.00	*	2	APR	1300	38	35.	124.83	*	3	APR	2300	72	120.	433.68
1	APR	0400	5	0.	.01	*	2	APR	1400	39	37.	134.10	*	4	APR	0000	73	122.	440.47
1	APR	0500	6	0.	.02	*	2	APR	1500	40	40.	143.53	*	4	APR	0100	74	124.	447.06
1	APR	0600	7	0.	.06	*	2	APR	1600	41	42.	153.10	*	4	APR	0200	75	125.	453.45
1	APR	0700	8	0.	.11	*	2	APR	1700	42	45.	162.78	*	4	APR	0300	76	127.	459.64
1	APR	0800	9	0.	.20	*	2	APR	1800	43	48.	172.56	*	4	APR	0400	77	129.	465.62
1	APR	0900	10	0.	.34	*	2	APR	1900	44	50.	182.42	*	4	APR	0500	78	130.	471.40
1	APR	1000	11	0.	.55	*	2	APR	2000	45	53.	192.33	*	4	APR	0600	79	132.	476.97
1	APR	1100	12	0.	.85	*	2	APR	2100	46	56.	202.29	*	4	APR	0700	80	133.	482.34
1	APR	1200	13	0.	1.27	*	2	APR	2200	47	59.	212.27	*	4	APR	0800	81	135.	487.50
1	APR	1300	14	1.	1.83	*	2	APR	2300	48	61.	222.26	*	4	APR	0900	82	136.	492.45
1	APR	1400	15	1.	2.58	*	3	APR	0000	49	64.	232.24	*	4	APR	1000	83	138.	497.20
1	APR	1500	16	1.	3.55	*	3	APR	0100	50	67.	242.19	*	4	APR	1100	84	139.	501.74
1	APR	1600	17	1.	4.79	*	3	APR	0200	51	70.	252.11	*	4	APR	1200	85	140.	506.09
1	APR	1700	18	2.	6.35	*	3	APR	0300	52	72.	261.98	*	4	APR	1300	86	141.	510.22
1	APR	1800	19	2.	8.27	*	3	APR	0400	53	75.	271.79	*	4	APR	1400	87	142.	514.16
1	APR	1900	20	3.	10.60	*	3	APR	0500	54	78.	281.52	*	4	APR	1500	88	143.	517.90
1	APR	2000	21	4.	13.37	*	3	APR	0600	55	81.	291.16	*	4	APR	1600	89	144.	521.44
1	APR	2100	22	5.	16.61	*	3	APR	0700	56	83.	300.71	*	4	APR	1700	90	145.	524.78
1	APR	2200	23	6.	20.32	*	3	APR	0800	57	86.	310.15	*	4	APR	1800	91	146.	527.93
1	APR	2300	24	7.	24.50	*	3	APR	0900	58	88.	319.48	*	4	APR	1900	92	147.	530.89
2	APR	0000	25	8.	29.16	*	3	APR	1000	59	91.	328.67	*	4	APR	2000	93	148.	533.66
2	APR	0100	26	9.	34.28	*	3	APR	1100	60	93.	337.74	*	4	APR	2100	94	148.	536.24
2	APR	0200	27	11.	39.85	*	3	APR	1200	61	96.	346.66	*	4	APR	2200	95	149.	538.63
2	APR	0300	28	13.	45.85	*	3	APR	1300	62	98.	355.43	*	4	APR	2300	96	150.	540.84
2	APR	0400	29	14.	52.26	*	3	APR	1400	63	101.	364.04	*	5	APR	0000	97	150.	542.87
2	APR	0500	30	16.	59.07	*	3	APR	1500	64	103.	372.50	*	5	APR	0100	98	151.	544.72
2	APR	0600	31	18.	66.24	*	3	APR	1600	65	105.	380.78	*	5	APR	0200	99	151.	546.40
2	APR	0700	32	20.	73.77	*	3	APR	1700	66	108.	388.89	*	5	APR	0300	100	152.	547.90
2	APR	0800	33	23.	81.61	*	3	APR	1800	67	110.	396.82	*						
2	APR	0900	34	25.	89.76	*	3	APR	1900	68	112.	404.57	*						

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW	
+	(CFS)	(HR)	6-HR	24-HR 72-HR 99.00-HR
+	152.	99.00	(CFS)	150. 142. 95. 70.
			(INCHES)	.004 .015 .030 .030
			(AC-FT)	74. 282. 564. 570.
PEAK STORAGE	TIME		MAXIMUM AVERAGE STORAGE	
+	(AC-FT)	(HR)	6-HR	24-HR 72-HR 99.00-HR
	548.	99.00		543. 513. 343. 252.

day1.out

CUMULATIVE AREA = 352.48 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER ROUTE E-F/E-F/FLOW/01MAR1992/1HOUR//
-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER ROUTE E-F/E-F/FLOW/01APR1992/1HOUR//

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* *
187 KK * 10 * SUBAREA 10
* *

JACK RABBIT

191 IN TIME DATA FOR INPUT TIME SERIES
JXMIN 15 TIME INTERVAL IN MINUTES
JXDATE 1APR92 STARTING DATE
JXTIME 35 STARTING TIME
UHG FROM MOUNTAIN S-GRAPH

SUBBASIN RUNOFF DATA

189 BA SUBBASIN CHARACTERISTICS
TAREA 17.90 SUBBASIN AREA

PRECIPITATION DATA

190 PB STORM .08 BASIN TOTAL PRECIPITATION

192 PI INCREMENTAL PRECIPITATION PATTERN
.01 .01 .02 .02 .02 .03 .03 .04 .06 .07
.07 .08 .09 .12 .10 .10 .04 .02 .02 .01
.01 .01 .01 .01 .00 .00

202 LU UNIFORM LOSS RATE
STRTL .00 INITIAL LOSS
CNSTL .00 UNIFORM LOSS RATE
RTIMP .00 PERCENT IMPERVIOUS AREA

202 UI INPUT UNITGRAPH, 16 ORDINATES, VOLUME = 1.00
5106.0 2427.0 1164.0 741.0 490.0 371.0 315.0 253.0 196.0 148.0
118.0 52.0 52.0 52.0 52.0 10.0

HYDROGRAPH AT STATION 10

day1.out

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	3.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	7.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	10.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	13.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	17.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.00	.00	.00	21.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.00	.00	.00	26.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.00	.00	.00	31.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.00	.00	.00	40.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.01	.00	.01	52.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.01	.00	.01	58.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	63.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.01	.00	.01	72.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.01	.00	.01	91.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.01	.00	.01	91.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.01	.00	.01	89.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.00	.00	.00	66.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	45.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	36.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	28.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	24.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	20.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	18.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	15.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	11.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	7.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	5.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	4.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	3.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	2.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	1.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	1.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	0.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	0.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	0.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	0.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	0.	*	4	APR	1500	88	.00	.00	.00	0.
2	APR	1400	39	.00	.00	.00	0.	*	4	APR	1600	89	.00	.00	.00	0.
2	APR	1500	40	.00	.00	.00	0.	*	4	APR	1700	90	.00	.00	.00	0.
2	APR	1600	41	.00	.00	.00	0.	*	4	APR	1800	91	.00	.00	.00	0.
2	APR	1700	42	.00	.00	.00	0.	*	4	APR	1900	92	.00	.00	.00	0.
2	APR	1800	43	.00	.00	.00	0.	*	4	APR	2000	93	.00	.00	.00	0.
2	APR	1900	44	.00	.00	.00	0.	*	4	APR	2100	94	.00	.00	.00	0.
2	APR	2000	45	.00	.00	.00	0.	*	4	APR	2200	95	.00	.00	.00	0.
2	APR	2100	46	.00	.00	.00	0.	*	4	APR	2300	96	.00	.00	.00	0.
2	APR	2200	47	.00	.00	.00	0.	*	5	APR	0000	97	.00	.00	.00	0.

2 APR 2300	48	.00	.00	.00	0.	*	day1.out	5 APR 0100	98	.00	.00	.00	0.
3 APR 0000	49	.00	.00	.00	0.	*		5 APR 0200	99	.00	.00	.00	0.
3 APR 0100	50	.00	.00	.00	0.	*		5 APR 0300	100	.00	.00	.00	0.
						*							

TOTAL RAINFALL = .08, TOTAL LOSS = .00, TOTAL EXCESS = .08

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
(CFS)	(HR)	(CFS)				
+	91.	14.00	78.	39.	13.	10.
		(INCHES)	.041	.082	.084	.084
		(AC-FT)	39.	78.	80.	80.

CUMULATIVE AREA = 17.90 SQ MI

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 206 KK * 11 * SUBAREA 11
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BADLANDS

210 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 15 TIME INTERVAL IN MINUTES
 JXDATE 1APR92 STARTING DATE
 JXTIME 30 STARTING TIME
 UHG FROM MOUNTAIN S-GRAPH

SUBBASIN RUNOFF DATA

208 BA SUBBASIN CHARACTERISTICS
 TAREA 18.10 SUBBASIN AREA

PRECIPITATION DATA

209 PB STORM .07 BASIN TOTAL PRECIPITATION

211 PI INCREMENTAL PRECIPITATION PATTERN

.00	.01	.02	.02	.02	.03	.03	.04	.05	.07
.07	.08	.09	.12	.10	.10	.05	.02	.02	.01
.01	.01	.01	.01	.00	.00				

221 LU UNIFORM LOSS RATE

day1.out

STRTL .00 INITIAL LOSS
CNSTL .00 UNIFORM LOSS RATE
RTIMP .00 PERCENT IMPERVIOUS AREA

221 UI INPUT UNITGRAPH, 15 ORDINATES, VOLUME = 1.00
5318.0 2417.0 1164.0 735.0 482.0 381.0 309.0 246.0 192.0 149.0
85.6 54.3 54.3 54.3 34.1

HYDROGRAPH AT STATION 11

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	2.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	6.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	8.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	11.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	14.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.00	.00	.00	17.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.00	.00	.00	21.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.00	.00	.00	25.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.00	.00	.00	33.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.00	.00	.00	42.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.00	.00	.00	48.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	52.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.01	.00	.01	58.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.01	.00	.01	75.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.01	.00	.01	74.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.01	.00	.01	74.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.00	.00	.00	56.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	37.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	29.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	23.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	19.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	16.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	14.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	12.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	9.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	6.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	4.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	3.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	2.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	1.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	1.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	1.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	0.	*	4	APR	1100	84	.00	.00	.00	0.

							day1.out							
2 APR 1000	35	.00	.00	.00	0.	*	4 APR 1200	85	.00	.00	.00	0.		
2 APR 1100	36	.00	.00	.00	0.	*	4 APR 1300	86	.00	.00	.00	0.		
2 APR 1200	37	.00	.00	.00	0.	*	4 APR 1400	87	.00	.00	.00	0.		
2 APR 1300	38	.00	.00	.00	0.	*	4 APR 1500	88	.00	.00	.00	0.		
2 APR 1400	39	.00	.00	.00	0.	*	4 APR 1600	89	.00	.00	.00	0.		
2 APR 1500	40	.00	.00	.00	0.	*	4 APR 1700	90	.00	.00	.00	0.		
2 APR 1600	41	.00	.00	.00	0.	*	4 APR 1800	91	.00	.00	.00	0.		
2 APR 1700	42	.00	.00	.00	0.	*	4 APR 1900	92	.00	.00	.00	0.		
2 APR 1800	43	.00	.00	.00	0.	*	4 APR 2000	93	.00	.00	.00	0.		
2 APR 1900	44	.00	.00	.00	0.	*	4 APR 2100	94	.00	.00	.00	0.		
2 APR 2000	45	.00	.00	.00	0.	*	4 APR 2200	95	.00	.00	.00	0.		
2 APR 2100	46	.00	.00	.00	0.	*	4 APR 2300	96	.00	.00	.00	0.		
2 APR 2200	47	.00	.00	.00	0.	*	5 APR 0000	97	.00	.00	.00	0.		
2 APR 2300	48	.00	.00	.00	0.	*	5 APR 0100	98	.00	.00	.00	0.		
3 APR 0000	49	.00	.00	.00	0.	*	5 APR 0200	99	.00	.00	.00	0.		
3 APR 0100	50	.00	.00	.00	0.	*	5 APR 0300	100	.00	.00	.00	0.		

TOTAL RAINFALL = .07, TOTAL LOSS = .00, TOTAL EXCESS = .07

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW		
(CFS)	(HR)	(CFS)	6-HR	24-HR	72-HR
75.	14.00	64.	32.	11.	8.
		(INCHES)	.033	.066	.068
		(AC-FT)	32.	64.	66.

CUMULATIVE AREA = 18.10 SQ MI

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225 KK

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SPLIT

227 HC HYDROGRAPH COMBINATION
 ICOMP 3 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION F

day1.out
SUM OF 3 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	APR	0000	1	0.	*	2	APR	0100	26	29.	*	3	APR	0200	51	70.	*	4	APR	0300	76	127.	*
1	APR	0100	2	4.	*	2	APR	0200	27	24.	*	3	APR	0300	52	72.	*	4	APR	0400	77	129.	*
1	APR	0200	3	12.	*	2	APR	0300	28	21.	*	3	APR	0400	53	75.	*	4	APR	0500	78	130.	*
1	APR	0300	4	18.	*	2	APR	0400	29	21.	*	3	APR	0500	54	78.	*	4	APR	0600	79	132.	*
1	APR	0400	5	24.	*	2	APR	0500	30	21.	*	3	APR	0600	55	81.	*	4	APR	0700	80	133.	*
1	APR	0500	6	31.	*	2	APR	0600	31	21.	*	3	APR	0700	56	83.	*	4	APR	0800	81	135.	*
1	APR	0600	7	38.	*	2	APR	0700	32	22.	*	3	APR	0800	57	86.	*	4	APR	0900	82	136.	*
1	APR	0700	8	46.	*	2	APR	0800	33	24.	*	3	APR	0900	58	88.	*	4	APR	1000	83	138.	*
1	APR	0800	9	56.	*	2	APR	0900	34	26.	*	3	APR	1000	59	91.	*	4	APR	1100	84	139.	*
1	APR	0900	10	73.	*	2	APR	1000	35	28.	*	3	APR	1100	60	93.	*	4	APR	1200	85	140.	*
1	APR	1000	11	95.	*	2	APR	1100	36	30.	*	3	APR	1200	61	96.	*	4	APR	1300	86	141.	*
1	APR	1100	12	106.	*	2	APR	1200	37	32.	*	3	APR	1300	62	98.	*	4	APR	1400	87	142.	*
1	APR	1200	13	116.	*	2	APR	1300	38	35.	*	3	APR	1400	63	101.	*	4	APR	1500	88	143.	*
1	APR	1300	14	130.	*	2	APR	1400	39	37.	*	3	APR	1500	64	103.	*	4	APR	1600	89	144.	*
1	APR	1400	15	167.	*	2	APR	1500	40	40.	*	3	APR	1600	65	105.	*	4	APR	1700	90	145.	*
1	APR	1500	16	166.	*	2	APR	1600	41	42.	*	3	APR	1700	66	108.	*	4	APR	1800	91	146.	*
1	APR	1600	17	165.	*	2	APR	1700	42	45.	*	3	APR	1800	67	110.	*	4	APR	1900	92	147.	*
1	APR	1700	18	124.	*	2	APR	1800	43	48.	*	3	APR	1900	68	112.	*	4	APR	2000	93	148.	*
1	APR	1800	19	85.	*	2	APR	1900	44	50.	*	3	APR	2000	69	114.	*	4	APR	2100	94	148.	*
1	APR	1900	20	68.	*	2	APR	2000	45	53.	*	3	APR	2100	70	116.	*	4	APR	2200	95	149.	*
1	APR	2000	21	55.	*	2	APR	2100	46	56.	*	3	APR	2200	71	118.	*	4	APR	2300	96	150.	*
1	APR	2100	22	48.	*	2	APR	2200	47	59.	*	3	APR	2300	72	120.	*	5	APR	0000	97	150.	*
1	APR	2200	23	42.	*	2	APR	2300	48	61.	*	4	APR	0000	73	122.	*	5	APR	0100	98	151.	*
1	APR	2300	24	39.	*	3	APR	0000	49	64.	*	4	APR	0100	74	124.	*	5	APR	0200	99	151.	*
2	APR	0000	25	35.	*	3	APR	0100	50	67.	*	4	APR	0200	75	125.	*	5	APR	0300	100	152.	*

PEAK FLOW		TIME	MAXIMUM AVERAGE FLOW			
+	(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
+	167.	14.00	150.	142.	95.	87.
		(INCHES)	.004	.014	.027	.035
		(AC-FT)	74.	282.	566.	716.

CUMULATIVE AREA = 388.48 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-F/F/FLOW/01MAR1992/1HOUR//
 -----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-F/F/FLOW/01APR1992/1HOUR//

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day1.out

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229 KK * F-F1 *
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ROUTE

ROUTE FROM SPLIT TO DAVIST ST(flows confluence)
BASED ON SV-SQ DATA FROM HEC-RAS Updated 14Apr2010- MLA
MYSTIC LAKE FULL CONDITIONS - I.E. 1424 WSE
Time Step (Ave Travel Time = 1.21 Hours - Divide by 1.5 Vw=0.85hr)
Because of this use NSTPS = 1 jcc 9 Feb 2010

HYDROGRAPH ROUTING DATA

235 RS	STORAGE ROUTING										
	NSTPS	1	NUMBER OF SUBREACHES								
	ITYP	STOR	TYPE OF INITIAL CONDITION								
	RSVRIC	-1.00	INITIAL CONDITION								
	X	.00	WORKING R AND D COEFFICIENT								
236 SV	STORAGE	.0	323.0	477.0	756.0	1089.0	1399.0	1769.0	2396.0	3861.0	4797.0
		5197.0	5620.0	5974.0	6312.0	7535.0	8774.0				
238 SQ	DISCHARGE	0.	500.	1000.	2000.	4000.	6000.	8000.	10000.	15000.	20000.
		25000.	30000.	35000.	40000.	60000.	80000.				

HYDROGRAPH AT STATION F-F1

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE
1	APR	0000	1	0.	.00	*	2	APR	1000	35	37.	23.99	*	3	APR	2000	69	96.	61.94
1	APR	0100	2	0.	.17	*	2	APR	1100	36	36.	23.35	*	3	APR	2100	70	98.	63.43
1	APR	0200	3	1.	.80	*	2	APR	1200	37	36.	22.95	*	3	APR	2200	71	100.	64.89
1	APR	0300	4	3.	1.88	*	2	APR	1300	38	35.	22.79	*	3	APR	2300	72	103.	66.33
1	APR	0400	5	5.	3.29	*	2	APR	1400	39	35.	22.85	*	4	APR	0000	73	105.	67.75
1	APR	0500	6	8.	5.06	*	2	APR	1500	40	36.	23.09	*	4	APR	0100	74	107.	69.14
1	APR	0600	7	11.	7.13	*	2	APR	1600	41	36.	23.50	*	4	APR	0200	75	109.	70.50
1	APR	0700	8	15.	9.54	*	2	APR	1700	42	37.	24.07	*	4	APR	0300	76	111.	71.84
1	APR	0800	9	19.	12.38	*	2	APR	1800	43	38.	24.78	*	4	APR	0400	77	113.	73.14
1	APR	0900	10	25.	15.91	*	2	APR	1900	44	40.	25.61	*	4	APR	0500	78	115.	74.41
1	APR	1000	11	32.	20.52	*	2	APR	2000	45	41.	26.56	*	4	APR	0600	79	117.	75.66
1	APR	1100	12	40.	25.86	*	2	APR	2100	46	43.	27.61	*	4	APR	0700	80	119.	76.87
1	APR	1200	13	49.	31.38	*	2	APR	2200	47	44.	28.74	*	4	APR	0800	81	121.	78.04
1	APR	1300	14	58.	37.17	*	2	APR	2300	48	46.	29.95	*	4	APR	0900	82	123.	79.19
1	APR	1400	15	68.	44.25	*	3	APR	0000	49	48.	31.23	*	4	APR	1000	83	124.	80.30
1	APR	1500	16	80.	51.85	*	3	APR	0100	50	50.	32.58	*	4	APR	1100	84	126.	81.38
1	APR	1600	17	90.	58.46	*	3	APR	0200	51	53.	33.97	*	4	APR	1200	85	128.	82.42

day1.out													
1 APR 1700	18	97.	62.64	*	3 APR 0300	52	55.	35.41	*	4 APR 1300	86	129.	83.43
1 APR 1800	19	98.	63.22	*	3 APR 0400	53	57.	36.89	*	4 APR 1400	87	131.	84.41
1 APR 1900	20	95.	61.55	*	3 APR 0500	54	59.	38.40	*	4 APR 1500	88	132.	85.35
1 APR 2000	21	91.	58.94	*	3 APR 0600	55	62.	39.93	*	4 APR 1600	89	134.	86.25
1 APR 2100	22	86.	55.86	*	3 APR 0700	56	64.	41.49	*	4 APR 1700	90	135.	87.12
1 APR 2200	23	81.	52.65	*	3 APR 0800	57	67.	43.07	*	4 APR 1800	91	136.	87.96
1 APR 2300	24	77.	49.47	*	3 APR 0900	58	69.	44.65	*	4 APR 1900	92	137.	88.76
2 APR 0000	25	72.	46.37	*	3 APR 1000	59	72.	46.25	*	4 APR 2000	93	139.	89.52
2 APR 0100	26	67.	43.27	*	3 APR 1100	60	74.	47.85	*	4 APR 2100	94	140.	90.25
2 APR 0200	27	62.	40.11	*	3 APR 1200	61	77.	49.45	*	4 APR 2200	95	141.	90.95
2 APR 0300	28	57.	37.02	*	3 APR 1300	62	79.	51.05	*	4 APR 2300	96	142.	91.61
2 APR 0400	29	53.	34.20	*	3 APR 1400	63	81.	52.64	*	5 APR 0000	97	143.	92.24
2 APR 0500	30	49.	31.70	*	3 APR 1500	64	84.	54.22	*	5 APR 0100	98	144.	92.84
2 APR 0600	31	46.	29.53	*	3 APR 1600	65	86.	55.80	*	5 APR 0200	99	145.	93.40
2 APR 0700	32	43.	27.67	*	3 APR 1700	66	89.	57.36	*	5 APR 0300	100	145.	93.92
2 APR 0800	33	40.	26.14	*	3 APR 1800	67	91.	58.90	*				
2 APR 0900	34	39.	24.91	*	3 APR 1900	68	94.	60.43	*				

PEAK FLOW	TIME		MAXIMUM	AVERAGE FLOW	
+	(CFS)	(HR)	6-HR	24-HR	72-HR
+	145.	99.00	143.	131.	86.
		(CFS)			76.
		(INCHES)	.003	.013	.025
		(AC-FT)	71.	259.	509.
					622.

PEAK STORAGE	TIME		MAXIMUM	AVERAGE STORAGE	
+	(AC-FT)	(HR)	6-HR	24-HR	72-HR
+	94.	99.00	92.	85.	55.
					49.

CUMULATIVE AREA = 388.48 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER ROUTE F-F1/F-F1/FLOW/01MAR1992/1HOUR//
 -----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER ROUTE F-F1/F-F1/FLOW/01APR1992/1HOUR//

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241 KK

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F1-G

ROUTE

ROUTE DAVIS ST TO RAMONA EXPRESSWAY
 BASED ON SV-SQ DATA FROM HEC-RAS Updated 14Apr2010- MLA
 Time Step (Ave Travel Time = 1.93 Hours - Divide by 1.5 Vw=1.29hr)
 Because of this use NSTPS = 1 jcc 9 Feb 2010

day1.out

HYDROGRAPH ROUTING DATA

246 RS	STORAGE ROUTING										
	NSTPS	1	NUMBER OF SUBREACHES								
	ITYP	STOR	TYPE OF INITIAL CONDITION								
	RSVRIC	-1.00	INITIAL CONDITION								
	X	.00	WORKING R AND D COEFFICIENT								
247 SV	STORAGE	.0	264.0	420.0	750.0	1477.0	2316.0	3171.0	4009.0	5337.0	6072.0
		6339.0	6631.0	6869.0	7092.0	7863.0	8661.0				
249 SQ	DISCHARGE	0.	500.	1000.	2000.	4000.	6000.	8000.	10000.	15000.	20000.
		25000.	30000.	35000.	40000.	60000.	80000.				

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 40000. TO 80000.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

HYDROGRAPH AT STATION F1-G

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE
1	APR	0000	1	0.	.00	*	2	APR	1000	35	52.	27.64	*	3	APR	2000	69	81.	42.74
1	APR	0100	2	0.	.01	*	2	APR	1100	36	50.	26.44	*	3	APR	2100	70	83.	43.97
1	APR	0200	3	0.	.07	*	2	APR	1200	37	48.	25.35	*	3	APR	2200	71	86.	45.20
1	APR	0300	4	0.	.22	*	2	APR	1300	38	46.	24.38	*	3	APR	2300	72	88.	46.43
1	APR	0400	5	1.	.49	*	2	APR	1400	39	45.	23.55	*	4	APR	0000	73	90.	47.64
1	APR	0500	6	2.	.91	*	2	APR	1500	40	43.	22.86	*	4	APR	0100	74	93.	48.85
1	APR	0600	7	3.	1.51	*	2	APR	1600	41	42.	22.30	*	4	APR	0200	75	95.	50.04
1	APR	0700	8	4.	2.28	*	2	APR	1700	42	41.	21.89	*	4	APR	0300	76	97.	51.22
1	APR	0800	9	6.	3.25	*	2	APR	1800	43	41.	21.61	*	4	APR	0400	77	99.	52.39
1	APR	0900	10	8.	4.45	*	2	APR	1900	44	41.	21.46	*	4	APR	0500	78	101.	53.53
1	APR	1000	11	11.	5.97	*	2	APR	2000	45	41.	21.44	*	4	APR	0600	79	104.	54.67
1	APR	1100	12	15.	7.85	*	2	APR	2100	46	41.	21.54	*	4	APR	0700	80	106.	55.78
1	APR	1200	13	19.	10.11	*	2	APR	2200	47	41.	21.76	*	4	APR	0800	81	108.	56.87
1	APR	1300	14	24.	12.71	*	2	APR	2300	48	42.	22.08	*	4	APR	0900	82	110.	57.94
1	APR	1400	15	30.	15.69	*	3	APR	0000	49	43.	22.50	*	4	APR	1000	83	112.	58.99
1	APR	1500	16	36.	19.12	*	3	APR	0100	50	44.	23.02	*	4	APR	1100	84	114.	60.02
1	APR	1600	17	43.	22.89	*	3	APR	0200	51	45.	23.63	*	4	APR	1200	85	116.	61.03
1	APR	1700	18	51.	26.75	*	3	APR	0300	52	46.	24.31	*	4	APR	1300	86	117.	62.01
1	APR	1800	19	57.	30.33	*	3	APR	0400	53	47.	25.07	*	4	APR	1400	87	119.	62.96
1	APR	1900	20	63.	33.33	*	3	APR	0500	54	49.	25.90	*	4	APR	1500	88	121.	63.89
1	APR	2000	21	68.	35.64	*	3	APR	0600	55	51.	26.79	*	4	APR	1600	89	123.	64.80
1	APR	2100	22	71.	37.28	*	3	APR	0700	56	53.	27.73	*	4	APR	1700	90	124.	65.68
1	APR	2200	23	73.	38.30	*	3	APR	0800	57	54.	28.72	*	4	APR	1800	91	126.	66.53

										day1.out			
1 APR 2300	24	73.	38.80	*	3 APR 0900	58	56.	29.75	*	4 APR 1900	92	128.	67.35
2 APR 0000	25	74.	38.85	*	3 APR 1000	59	58.	30.83	*	4 APR 2000	93	129.	68.15
2 APR 0100	26	73.	38.53	*	3 APR 1100	60	60.	31.93	*	4 APR 2100	94	131.	68.92
2 APR 0200	27	72.	37.88	*	3 APR 1200	61	63.	33.07	*	4 APR 2200	95	132.	69.67
2 APR 0300	28	70.	36.96	*	3 APR 1300	62	65.	34.23	*	4 APR 2300	96	133.	70.39
2 APR 0400	29	68.	35.82	*	3 APR 1400	63	67.	35.41	*	5 APR 0000	97	135.	71.08
2 APR 0500	30	65.	34.53	*	3 APR 1500	64	69.	36.61	*	5 APR 0100	98	136.	71.74
2 APR 0600	31	63.	33.15	*	3 APR 1600	65	72.	37.82	*	5 APR 0200	99	137.	72.37
2 APR 0700	32	60.	31.73	*	3 APR 1700	66	74.	39.05	*	5 APR 0300	100	138.	72.98
2 APR 0800	33	57.	30.32	*	3 APR 1800	67	76.	40.27	*				
2 APR 0900	34	55.	28.95	*	3 APR 1900	68	79.	41.51	*				
				*					*				

PEAK FLOW		TIME	MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
+	138.	99.00	135.	120.	80.	67.
		(INCHES)	.003	.011	.023	.026
		(AC-FT)	67.	238.	473.	549.

PEAK STORAGE		TIME	MAXIMUM AVERAGE STORAGE			
			6-HR	24-HR	72-HR	99.00-HR
+	(AC-FT)	(HR)				
	73.	99.00	71.	63.	42.	35.

CUMULATIVE AREA = 388.48 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER ROUTE F-G/F-G/FLOW/01MAR1992/1HOUR//
 -----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER ROUTE F-G/F-G/FLOW/01APR1992/1HOUR//

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 * *
 252 KK * 12A * LAKEVIEW SUB-AREA (30% FOOTHILL)
 * *

COMBINE LAKEVIEW SUB-AREA AT THE U/S OF RAMONA EXPWY PER CDJ.

256 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 15 TIME INTERVAL IN MINUTES
 JXDATE 1APR92 STARTING DATE
 JXTIME 30 STARTING TIME
 UHG FROM AVERAGE FULLERTON - SAN JOSE S-GRAPH

SUBBASIN RUNOFF DATA

day1.out

254 BA SUBBASIN CHARACTERISTICS
TAREA 12.26 SUBBASIN AREA
SNAP .00 NORMAL ANNUAL PRECIPITATION
RATIO .30 RATIO OF HYDROGRAPH

PRECIPITATION DATA

255 PB STORM .07 BASIN TOTAL PRECIPITATION

257 PI INCREMENTAL PRECIPITATION PATTERN
.00 .01 .02 .02 .02 .03 .03 .04 .05 .07
.07 .08 .09 .12 .10 .10 .05 .02 .02 .01
.01 .01 .01 .01 .00 .00

267 LU UNIFORM LOSS RATE
STRTL .00 INITIAL LOSS
CNSTL .00 UNIFORM LOSS RATE
RTIMP .00 PERCENT IMPERVIOUS AREA

267 UI INPUT UNITGRAPH, 6 ORDINATES, VOLUME = 1.00
5203.0 1918.0 587.0 104.0 72.0 24.0

HYDROGRAPH AT STATION 12A

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	2.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	5.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	7.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	9.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	12.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.00	.00	.00	14.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.00	.00	.00	17.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.00	.00	.00	20.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.00	.00	.00	26.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.00	.00	.00	34.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.00	.00	.00	37.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	40.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.01	.00	.01	44.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.01	.00	.01	59.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.01	.00	.01	55.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.01	.00	.01	53.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.00	.00	.00	34.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	17.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	11.	*	3	APR	2100	70	.00	.00	.00	0.

										day1.out						
1	APR	2000	21	.00	.00	.00	8.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	7.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	6.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	5.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	5.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	3.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	1.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	0.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	0.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	0.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	0.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	0.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	0.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	0.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	0.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	0.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	0.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	0.	*	4	APR	1500	88	.00	.00	.00	0.
2	APR	1400	39	.00	.00	.00	0.	*	4	APR	1600	89	.00	.00	.00	0.
2	APR	1500	40	.00	.00	.00	0.	*	4	APR	1700	90	.00	.00	.00	0.
2	APR	1600	41	.00	.00	.00	0.	*	4	APR	1800	91	.00	.00	.00	0.
2	APR	1700	42	.00	.00	.00	0.	*	4	APR	1900	92	.00	.00	.00	0.
2	APR	1800	43	.00	.00	.00	0.	*	4	APR	2000	93	.00	.00	.00	0.
2	APR	1900	44	.00	.00	.00	0.	*	4	APR	2100	94	.00	.00	.00	0.
2	APR	2000	45	.00	.00	.00	0.	*	4	APR	2200	95	.00	.00	.00	0.
2	APR	2100	46	.00	.00	.00	0.	*	4	APR	2300	96	.00	.00	.00	0.
2	APR	2200	47	.00	.00	.00	0.	*	5	APR	0000	97	.00	.00	.00	0.
2	APR	2300	48	.00	.00	.00	0.	*	5	APR	0100	98	.00	.00	.00	0.
3	APR	0000	49	.00	.00	.00	0.	*	5	APR	0200	99	.00	.00	.00	0.
3	APR	0100	50	.00	.00	.00	0.	*	5	APR	0300	100	.00	.00	.00	0.

TOTAL RAINFALL = .07, TOTAL LOSS = .00, TOTAL EXCESS = .07

PEAK FLOW	TIME		MAXIMUM	AVERAGE FLOW	
(CFS)	(HR)		6-HR	24-HR	72-HR
+	59.	14.00	48.	22.	7.
		(CFS)			
		(INCHES)	.036	.066	.067
		(AC-FT)	24.	43.	44.

CUMULATIVE AREA = 12.26 SQ MI

HYDROGRAPH MULTIPLIED BY .30

HYDROGRAPH AT STATION 12A

day1.out

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*****
DA MON HRMN ORD FLOW * DA MON HRMN ORD FLOW * DA MON HRMN ORD FLOW * DA MON HRMN ORD FLOW *
1 APR 0000 1 0. * 2 APR 0100 26 1. * 3 APR 0200 51 0. * 4 APR 0300 76 0.
1 APR 0100 2 1. * 2 APR 0200 27 0. * 3 APR 0300 52 0. * 4 APR 0400 77 0.
1 APR 0200 3 2. * 2 APR 0300 28 0. * 3 APR 0400 53 0. * 4 APR 0500 78 0.
1 APR 0300 4 2. * 2 APR 0400 29 0. * 3 APR 0500 54 0. * 4 APR 0600 79 0.
1 APR 0400 5 3. * 2 APR 0500 30 0. * 3 APR 0600 55 0. * 4 APR 0700 80 0.
1 APR 0500 6 3. * 2 APR 0600 31 0. * 3 APR 0700 56 0. * 4 APR 0800 81 0.
1 APR 0600 7 4. * 2 APR 0700 32 0. * 3 APR 0800 57 0. * 4 APR 0900 82 0.
1 APR 0700 8 5. * 2 APR 0800 33 0. * 3 APR 0900 58 0. * 4 APR 1000 83 0.
1 APR 0800 9 6. * 2 APR 0900 34 0. * 3 APR 1000 59 0. * 4 APR 1100 84 0.
1 APR 0900 10 8. * 2 APR 1000 35 0. * 3 APR 1100 60 0. * 4 APR 1200 85 0.
1 APR 1000 11 10. * 2 APR 1100 36 0. * 3 APR 1200 61 0. * 4 APR 1300 86 0.
1 APR 1100 12 11. * 2 APR 1200 37 0. * 3 APR 1300 62 0. * 4 APR 1400 87 0.
1 APR 1200 13 12. * 2 APR 1300 38 0. * 3 APR 1400 63 0. * 4 APR 1500 88 0.
1 APR 1300 14 13. * 2 APR 1400 39 0. * 3 APR 1500 64 0. * 4 APR 1600 89 0.
1 APR 1400 15 18. * 2 APR 1500 40 0. * 3 APR 1600 65 0. * 4 APR 1700 90 0.
1 APR 1500 16 16. * 2 APR 1600 41 0. * 3 APR 1700 66 0. * 4 APR 1800 91 0.
1 APR 1600 17 16. * 2 APR 1700 42 0. * 3 APR 1800 67 0. * 4 APR 1900 92 0.
1 APR 1700 18 10. * 2 APR 1800 43 0. * 3 APR 1900 68 0. * 4 APR 2000 93 0.
1 APR 1800 19 5. * 2 APR 1900 44 0. * 3 APR 2000 69 0. * 4 APR 2100 94 0.
1 APR 1900 20 3. * 2 APR 2000 45 0. * 3 APR 2100 70 0. * 4 APR 2200 95 0.
1 APR 2000 21 2. * 2 APR 2100 46 0. * 3 APR 2200 71 0. * 4 APR 2300 96 0.
1 APR 2100 22 2. * 2 APR 2200 47 0. * 3 APR 2300 72 0. * 5 APR 0000 97 0.
1 APR 2200 23 2. * 2 APR 2300 48 0. * 4 APR 0000 73 0. * 5 APR 0100 98 0.
1 APR 2300 24 2. * 3 APR 0000 49 0. * 4 APR 0100 74 0. * 5 APR 0200 99 0.
2 APR 0000 25 1. * 3 APR 0100 50 0. * 4 APR 0200 75 0. * 5 APR 0300 100 0.
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PEAK FLOW      TIME      MAXIMUM AVERAGE FLOW
+   (CFS)      (HR)      6-HR      24-HR      72-HR      99.00-HR
+   18.        14.00      (CFS)
                                14.        7.        2.        2.
                                (INCHES)  .011      .020      .020      .020
                                (AC-FT)    7.        13.      13.        13.

CUMULATIVE AREA = 12.26 SQ MI

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270 KK * 12A1 * LAKEVIEW SUB-AREA (70% VALLEY)
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day1.out

COMBINE LAKEVIEW SUB-AREA AT THE U/S OF RAMONA EXPWY PER CDJ.

274 IN TIME DATA FOR INPUT TIME SERIES
JXMIN 15 TIME INTERVAL IN MINUTES
JXDATE 1APR92 STARTING DATE
JXTIME 30 STARTING TIME
UHG FROM VALLEY S-GRAPH

SUBBASIN RUNOFF DATA

272 BA SUBBASIN CHARACTERISTICS
TAREA 12.26 SUBBASIN AREA
SNAP .00 NORMAL ANNUAL PRECIPITATION
RATIO .70 RATIO OF HYDROGRAPH

PRECIPITATION DATA

273 PB STORM .07 BASIN TOTAL PRECIPITATION

275 PI INCREMENTAL PRECIPITATION PATTERN
.00 .01 .02 .02 .02 .03 .03 .04 .05 .07
.07 .08 .09 .12 .10 .10 .05 .02 .02 .01
.01 .01 .01 .01 .00 .00

285 LU UNIFORM LOSS RATE
STRTL .00 INITIAL LOSS
CNSTL .00 UNIFORM LOSS RATE
RTIMP .00 PERCENT IMPERVIOUS AREA

285 UI INPUT UNITGRAPH, 7 ORDINATES, VOLUME = 1.00
5042.0 1654.0 601.0 320.0 166.0 99.0 24.0

HYDROGRAPH AT STATION 12A1

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	2.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	5.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	7.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	9.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	11.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.00	.00	.00	13.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.00	.00	.00	16.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.00	.00	.00	20.	*	3	APR	1000	59	.00	.00	.00	0.

						day1.out						
1 APR 0900	10	.00	.00	.00	26.	*	3 APR 1100	60	.00	.00	.00	0.
1 APR 1000	11	.00	.00	.00	33.	*	3 APR 1200	61	.00	.00	.00	0.
1 APR 1100	12	.00	.00	.00	36.	*	3 APR 1300	62	.00	.00	.00	0.
1 APR 1200	13	.01	.00	.01	39.	*	3 APR 1400	63	.00	.00	.00	0.
1 APR 1300	14	.01	.00	.01	43.	*	3 APR 1500	64	.00	.00	.00	0.
1 APR 1400	15	.01	.00	.01	58.	*	3 APR 1600	65	.00	.00	.00	0.
1 APR 1500	16	.01	.00	.01	54.	*	3 APR 1700	66	.00	.00	.00	0.
1 APR 1600	17	.01	.00	.01	52.	*	3 APR 1800	67	.00	.00	.00	0.
1 APR 1700	18	.00	.00	.00	35.	*	3 APR 1900	68	.00	.00	.00	0.
1 APR 1800	19	.00	.00	.00	19.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.00	.00	.00	14.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.00	.00	.00	10.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.00	.00	.00	7.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.00	.00	.00	6.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.00	.00	.00	6.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.00	.00	.00	5.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	3.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	1.	*	4 APR 0400	77	.00	.00	.00	0.
2 APR 0300	28	.00	.00	.00	1.	*	4 APR 0500	78	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	0.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	0.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	0.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	0.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	0.	*	4 APR 1000	83	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	0.	*	4 APR 1100	84	.00	.00	.00	0.
2 APR 1000	35	.00	.00	.00	0.	*	4 APR 1200	85	.00	.00	.00	0.
2 APR 1100	36	.00	.00	.00	0.	*	4 APR 1300	86	.00	.00	.00	0.
2 APR 1200	37	.00	.00	.00	0.	*	4 APR 1400	87	.00	.00	.00	0.
2 APR 1300	38	.00	.00	.00	0.	*	4 APR 1500	88	.00	.00	.00	0.
2 APR 1400	39	.00	.00	.00	0.	*	4 APR 1600	89	.00	.00	.00	0.
2 APR 1500	40	.00	.00	.00	0.	*	4 APR 1700	90	.00	.00	.00	0.
2 APR 1600	41	.00	.00	.00	0.	*	4 APR 1800	91	.00	.00	.00	0.
2 APR 1700	42	.00	.00	.00	0.	*	4 APR 1900	92	.00	.00	.00	0.
2 APR 1800	43	.00	.00	.00	0.	*	4 APR 2000	93	.00	.00	.00	0.
2 APR 1900	44	.00	.00	.00	0.	*	4 APR 2100	94	.00	.00	.00	0.
2 APR 2000	45	.00	.00	.00	0.	*	4 APR 2200	95	.00	.00	.00	0.
2 APR 2100	46	.00	.00	.00	0.	*	4 APR 2300	96	.00	.00	.00	0.
2 APR 2200	47	.00	.00	.00	0.	*	5 APR 0000	97	.00	.00	.00	0.
2 APR 2300	48	.00	.00	.00	0.	*	5 APR 0100	98	.00	.00	.00	0.
3 APR 0000	49	.00	.00	.00	0.	*	5 APR 0200	99	.00	.00	.00	0.
3 APR 0100	50	.00	.00	.00	0.	*	5 APR 0300	100	.00	.00	.00	0.

TOTAL RAINFALL = .07, TOTAL LOSS = .00, TOTAL EXCESS = .07

PEAK FLOW	TIME		MAXIMUM	AVERAGE FLOW	
+	(CFS)	(HR)	6-HR	24-HR	72-HR 99.00-HR
+	58.	14.00	47.	22.	7. 5.
		(INCHES)	.036	.066	.067 .067

(AC-FT) 23. 43. 44. day1.out 44.
CUMULATIVE AREA = 12.26 SQ MI

HYDROGRAPH MULTIPLIED BY .70

HYDROGRAPH AT STATION 12A1

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1	APR	0000	1	0.	*	2	APR	0100	26	2.	*	3	APR	0200	51	0.	*	4	APR	0300	76	0.
1	APR	0100	2	1.	*	2	APR	0200	27	1.	*	3	APR	0300	52	0.	*	4	APR	0400	77	0.
1	APR	0200	3	3.	*	2	APR	0300	28	0.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.
1	APR	0300	4	5.	*	2	APR	0400	29	0.	*	3	APR	0500	54	0.	*	4	APR	0600	79	0.
1	APR	0400	5	6.	*	2	APR	0500	30	0.	*	3	APR	0600	55	0.	*	4	APR	0700	80	0.
1	APR	0500	6	8.	*	2	APR	0600	31	0.	*	3	APR	0700	56	0.	*	4	APR	0800	81	0.
1	APR	0600	7	9.	*	2	APR	0700	32	0.	*	3	APR	0800	57	0.	*	4	APR	0900	82	0.
1	APR	0700	8	11.	*	2	APR	0800	33	0.	*	3	APR	0900	58	0.	*	4	APR	1000	83	0.
1	APR	0800	9	14.	*	2	APR	0900	34	0.	*	3	APR	1000	59	0.	*	4	APR	1100	84	0.
1	APR	0900	10	18.	*	2	APR	1000	35	0.	*	3	APR	1100	60	0.	*	4	APR	1200	85	0.
1	APR	1000	11	23.	*	2	APR	1100	36	0.	*	3	APR	1200	61	0.	*	4	APR	1300	86	0.
1	APR	1100	12	25.	*	2	APR	1200	37	0.	*	3	APR	1300	62	0.	*	4	APR	1400	87	0.
1	APR	1200	13	27.	*	2	APR	1300	38	0.	*	3	APR	1400	63	0.	*	4	APR	1500	88	0.
1	APR	1300	14	30.	*	2	APR	1400	39	0.	*	3	APR	1500	64	0.	*	4	APR	1600	89	0.
1	APR	1400	15	40.	*	2	APR	1500	40	0.	*	3	APR	1600	65	0.	*	4	APR	1700	90	0.
1	APR	1500	16	38.	*	2	APR	1600	41	0.	*	3	APR	1700	66	0.	*	4	APR	1800	91	0.
1	APR	1600	17	37.	*	2	APR	1700	42	0.	*	3	APR	1800	67	0.	*	4	APR	1900	92	0.
1	APR	1700	18	24.	*	2	APR	1800	43	0.	*	3	APR	1900	68	0.	*	4	APR	2000	93	0.
1	APR	1800	19	13.	*	2	APR	1900	44	0.	*	3	APR	2000	69	0.	*	4	APR	2100	94	0.
1	APR	1900	20	9.	*	2	APR	2000	45	0.	*	3	APR	2100	70	0.	*	4	APR	2200	95	0.
1	APR	2000	21	7.	*	2	APR	2100	46	0.	*	3	APR	2200	71	0.	*	4	APR	2300	96	0.
1	APR	2100	22	5.	*	2	APR	2200	47	0.	*	3	APR	2300	72	0.	*	5	APR	0000	97	0.
1	APR	2200	23	4.	*	2	APR	2300	48	0.	*	4	APR	0000	73	0.	*	5	APR	0100	98	0.
1	APR	2300	24	4.	*	3	APR	0000	49	0.	*	4	APR	0100	74	0.	*	5	APR	0200	99	0.
2	APR	0000	25	3.	*	3	APR	0100	50	0.	*	4	APR	0200	75	0.	*	5	APR	0300	100	0.

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
40.	14.00	33.	15.	5.	4.
(INCHES)		.025	.046	.047	.047
(AC-FT)		16.	30.	31.	31.

CUMULATIVE AREA = 12.26 SQ MI

day1.out

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288 KK *****
* *
* G *
* *

RAMONA EXPRESSWAY

290 HC HYDROGRAPH COMBINATION
ICOMP 3 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION G
SUM OF 3 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1	APR	0000	1	0.	*	2	APR	0100	26	76.	*	3	APR	0200	51	45.	*	4	APR	0300	76	97.
1	APR	0100	2	2.	*	2	APR	0200	27	73.	*	3	APR	0300	52	46.	*	4	APR	0400	77	99.
1	APR	0200	3	5.	*	2	APR	0300	28	70.	*	3	APR	0400	53	47.	*	4	APR	0500	78	101.
1	APR	0300	4	7.	*	2	APR	0400	29	68.	*	3	APR	0500	54	49.	*	4	APR	0600	79	104.
1	APR	0400	5	10.	*	2	APR	0500	30	65.	*	3	APR	0600	55	51.	*	4	APR	0700	80	106.
1	APR	0500	6	13.	*	2	APR	0600	31	63.	*	3	APR	0700	56	53.	*	4	APR	0800	81	108.
1	APR	0600	7	16.	*	2	APR	0700	32	60.	*	3	APR	0800	57	54.	*	4	APR	0900	82	110.
1	APR	0700	8	21.	*	2	APR	0800	33	57.	*	3	APR	0900	58	56.	*	4	APR	1000	83	112.
1	APR	0800	9	26.	*	2	APR	0900	34	55.	*	3	APR	1000	59	58.	*	4	APR	1100	84	114.
1	APR	0900	10	34.	*	2	APR	1000	35	52.	*	3	APR	1100	60	60.	*	4	APR	1200	85	116.
1	APR	1000	11	45.	*	2	APR	1100	36	50.	*	3	APR	1200	61	63.	*	4	APR	1300	86	117.
1	APR	1100	12	52.	*	2	APR	1200	37	48.	*	3	APR	1300	62	65.	*	4	APR	1400	87	119.
1	APR	1200	13	59.	*	2	APR	1300	38	46.	*	3	APR	1400	63	67.	*	4	APR	1500	88	121.
1	APR	1300	14	67.	*	2	APR	1400	39	45.	*	3	APR	1500	64	69.	*	4	APR	1600	89	123.
1	APR	1400	15	88.	*	2	APR	1500	40	43.	*	3	APR	1600	65	72.	*	4	APR	1700	90	124.
1	APR	1500	16	90.	*	2	APR	1600	41	42.	*	3	APR	1700	66	74.	*	4	APR	1800	91	126.
1	APR	1600	17	96.	*	2	APR	1700	42	41.	*	3	APR	1800	67	76.	*	4	APR	1900	92	128.
1	APR	1700	18	85.	*	2	APR	1800	43	41.	*	3	APR	1900	68	79.	*	4	APR	2000	93	129.
1	APR	1800	19	76.	*	2	APR	1900	44	41.	*	3	APR	2000	69	81.	*	4	APR	2100	94	131.
1	APR	1900	20	76.	*	2	APR	2000	45	41.	*	3	APR	2100	70	83.	*	4	APR	2200	95	132.
1	APR	2000	21	77.	*	2	APR	2100	46	41.	*	3	APR	2200	71	86.	*	4	APR	2300	96	133.
1	APR	2100	22	78.	*	2	APR	2200	47	41.	*	3	APR	2300	72	88.	*	5	APR	0000	97	135.
1	APR	2200	23	78.	*	2	APR	2300	48	42.	*	4	APR	0000	73	90.	*	5	APR	0100	98	136.
1	APR	2300	24	79.	*	3	APR	0000	49	43.	*	4	APR	0100	74	93.	*	5	APR	0200	99	137.

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                day1.out
    2 APR 0000   25      78.  *   3 APR 0100   50      44.  *   4 APR 0200   75      95.  *   5 APR 0300  100     138.
                *
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PEAK FLOW      TIME
+   (CFS)      (HR)
+   138.      99.00
                (CFS)
                (INCHES)
                (AC-FT)
                6-HR      24-HR      72-HR      99.00-HR
                135.      120.      80.      72.
                .003      .011      .021      .027
                67.      238.      473.      593.

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CUMULATIVE AREA = 413.00 SQ MI

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-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-G/G/FLOW/01MAR1992/1HOUR//
-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-G/G/FLOW/01APR1992/1HOUR//

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*
292 KK      *      G-H      *      ROUTE
*
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ROUTE SAN JACINTO RIVER FROM RAMONA EXPRESSWAY TO I-215
 BASED ON SV-SQ DATA FROM HEC-RAS Updated 14Apr2010 - MLA
 Time Step (Ave Travel Time = 4.78 Hours - Divide by 1.5 Vw=3.19 hr)
 Because of this use NSTPS = 3 jcc 9 Feb 2010)

HYDROGRAPH ROUTING DATA

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297 RS      STORAGE ROUTING
                NSTPS      3  NUMBER OF SUBREACHES
                ITYP      STOR TYPE OF INITIAL CONDITION
                RSVRIC -1.00 INITIAL CONDITION
                X      .00 WORKING R AND D COEFFICIENT

298 SV      STORAGE      .0      804.0      1484.0      2507.0      6171.0      8267.0      10090.0      10684.0      12155.0      14679.0
                17916.0      21184.0      24492.0      27854.0      40596.0      52905.0

300 SQ      DISCHARGE      0.      500.      1000.      2000.      4000.      6000.      8000.      10000.      15000.      20000.
                25000.      30000.      35000.      40000.      60000.      80000.

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HYDROGRAPH AT STATION G-H

day1.out

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE
1	APR	0000	1	0.	.00	*	2	APR	1000	35	57.	30.49	*	3	APR	2000	69	52.	28.02
1	APR	0100	2	0.	.00	*	2	APR	1100	36	58.	31.14	*	3	APR	2100	70	53.	28.49
1	APR	0200	3	0.	.00	*	2	APR	1200	37	59.	31.66	*	3	APR	2200	71	54.	29.02
1	APR	0300	4	0.	.01	*	2	APR	1300	38	60.	32.06	*	3	APR	2300	72	55.	29.60
1	APR	0400	5	0.	.03	*	2	APR	1400	39	60.	32.34	*	4	APR	0000	73	56.	30.23
1	APR	0500	6	0.	.08	*	2	APR	1500	40	61.	32.50	*	4	APR	0100	74	58.	30.91
1	APR	0600	7	0.	.15	*	2	APR	1600	41	61.	32.55	*	4	APR	0200	75	59.	31.63
1	APR	0700	8	0.	.26	*	2	APR	1700	42	61.	32.51	*	4	APR	0300	76	60.	32.40
1	APR	0800	9	1.	.41	*	2	APR	1800	43	60.	32.38	*	4	APR	0400	77	62.	33.21
1	APR	0900	10	1.	.63	*	2	APR	1900	44	60.	32.16	*	4	APR	0500	78	64.	34.05
1	APR	1000	11	2.	.91	*	2	APR	2000	45	59.	31.88	*	4	APR	0600	79	65.	34.93
1	APR	1100	12	2.	1.28	*	2	APR	2100	46	59.	31.55	*	4	APR	0700	80	67.	35.84
1	APR	1200	13	3.	1.75	*	2	APR	2200	47	58.	31.16	*	4	APR	0800	81	69.	36.78
1	APR	1300	14	4.	2.35	*	2	APR	2300	48	57.	30.75	*	4	APR	0900	82	70.	37.74
1	APR	1400	15	6.	3.09	*	3	APR	0000	49	57.	30.31	*	4	APR	1000	83	72.	38.73
1	APR	1500	16	7.	3.98	*	3	APR	0100	50	56.	29.86	*	4	APR	1100	84	74.	39.74
1	APR	1600	17	9.	5.05	*	3	APR	0200	51	55.	29.40	*	4	APR	1200	85	76.	40.76
1	APR	1700	18	12.	6.30	*	3	APR	0300	52	54.	28.95	*	4	APR	1300	86	78.	41.80
1	APR	1800	19	14.	7.71	*	3	APR	0400	53	53.	28.52	*	4	APR	1400	87	80.	42.85
1	APR	1900	20	17.	9.25	*	3	APR	0500	54	52.	28.11	*	4	APR	1500	88	82.	43.91
1	APR	2000	21	20.	10.89	*	3	APR	0600	55	52.	27.74	*	4	APR	1600	89	84.	44.97
1	APR	2100	22	23.	12.57	*	3	APR	0700	56	51.	27.40	*	4	APR	1700	90	86.	46.05
1	APR	2200	23	27.	14.29	*	3	APR	0800	57	51.	27.10	*	4	APR	1800	91	88.	47.12
1	APR	2300	24	30.	16.00	*	3	APR	0900	58	50.	26.86	*	4	APR	1900	92	90.	48.19
2	APR	0000	25	33.	17.70	*	3	APR	1000	59	50.	26.66	*	4	APR	2000	93	92.	49.27
2	APR	0100	26	36.	19.36	*	3	APR	1100	60	49.	26.52	*	4	APR	2100	94	94.	50.34
2	APR	0200	27	39.	20.97	*	3	APR	1200	61	49.	26.44	*	4	APR	2200	95	96.	51.40
2	APR	0300	28	42.	22.51	*	3	APR	1300	62	49.	26.42	*	4	APR	2300	96	98.	52.46
2	APR	0400	29	45.	23.98	*	3	APR	1400	63	49.	26.46	*	5	APR	0000	97	100.	53.51
2	APR	0500	30	47.	25.35	*	3	APR	1500	64	50.	26.57	*	5	APR	0100	98	102.	54.55
2	APR	0600	31	50.	26.62	*	3	APR	1600	65	50.	26.74	*	5	APR	0200	99	104.	55.58
2	APR	0700	32	52.	27.77	*	3	APR	1700	66	50.	26.97	*	5	APR	0300	100	106.	56.59
2	APR	0800	33	54.	28.80	*	3	APR	1800	67	51.	27.26	*						
2	APR	0900	34	55.	29.71	*	3	APR	1900	68	52.	27.61	*						

PEAK FLOW	TIME		MAXIMUM	AVERAGE	FLOW	
+ (CFS)	(HR)		6-HR	24-HR	72-HR	99.00-HR
		(CFS)				
+ 106.	99.00		100.	82.	64.	49.
		(INCHES)	.002	.007	.017	.018
		(AC-FT)	49.	163.	378.	404.
PEAK STORAGE	TIME		MAXIMUM	AVERAGE	STORAGE	
+ (AC-FT)	(HR)		6-HR	24-HR	72-HR	99.00-HR

57. 99.00 53. 44. 34. day1.out 26.

CUMULATIVE AREA = 413.00 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER ROUTE G-H/G-H/FLOW/01MAR1992/1HOUR//
 -----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER ROUTE G-H/G-H/FLOW/01APR1992/1HOUR//

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 * *
 303 KK 13 * SUBAREA 13
 * *

NUEVO(40% MOUNTAIN)
 COMBINE AT THE D/S OF RAMONA EXPWY PER CDJ

308 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 15 TIME INTERVAL IN MINUTES
 JXDATE 1APR92 STARTING DATE
 JXTIME 20 STARTING TIME
 UHG FROM MOUNTAIN S-GRAPH

SUBBASIN RUNOFF DATA

306 BA SUBBASIN CHARACTERISTICS
 TAREA 25.74 SUBBASIN AREA
 SNAP .00 NORMAL ANNUAL PRECIPITATION
 RATIO .40 RATIO OF HYDROGRAPH

PRECIPITATION DATA

307 PB STORM .07 BASIN TOTAL PRECIPITATION

309 PI INCREMENTAL PRECIPITATION PATTERN
 .00 .01 .01 .02 .02 .03 .03 .04 .05 .07
 .08 .08 .08 .12 .10 .10 .06 .02 .02 .01
 .01 .01 .01 .01 .01 .00

319 LU UNIFORM LOSS RATE
 STRTL .00 INITIAL LOSS
 CNSTL .00 UNIFORM LOSS RATE
 RTIMP .00 PERCENT IMPERVIOUS AREA

319 UI INPUT UNITGRAPH, 23 ORDINATES, VOLUME = 1.00
 4499.0 4599.0 1816.0 1212.0 853.0 658.0 484.0 397.0 348.0 306.0
 266.0 231.0 191.0 160.0 139.0 121.0 50.0 50.0 50.0 50.0
 50.5 50.5 19.0

day1.out

HYDROGRAPH AT STATION 13

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	1.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	5.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	9.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	13.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	17.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.00	.00	.00	21.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.00	.00	.00	26.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.00	.00	.00	32.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.00	.00	.00	40.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.00	.00	.00	52.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.01	.00	.01	63.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	70.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.01	.00	.01	76.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.01	.00	.01	93.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.01	.00	.01	104.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.01	.00	.01	105.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.00	.00	.00	93.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	68.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	51.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	42.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	35.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	31.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	27.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	24.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	21.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	16.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	12.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	10.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	8.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	6.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	5.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	4.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	3.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	3.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	2.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	2.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	1.	*	4	APR	1500	88	.00	.00	.00	0.
2	APR	1400	39	.00	.00	.00	1.	*	4	APR	1600	89	.00	.00	.00	0.
2	APR	1500	40	.00	.00	.00	0.	*	4	APR	1700	90	.00	.00	.00	0.
2	APR	1600	41	.00	.00	.00	0.	*	4	APR	1800	91	.00	.00	.00	0.
2	APR	1700	42	.00	.00	.00	0.	*	4	APR	1900	92	.00	.00	.00	0.

							day1.out						
2 APR 1800	43	.00	.00	.00	0.	*	4 APR 2000	93	.00	.00	.00	0.	
2 APR 1900	44	.00	.00	.00	0.	*	4 APR 2100	94	.00	.00	.00	0.	
2 APR 2000	45	.00	.00	.00	0.	*	4 APR 2200	95	.00	.00	.00	0.	
2 APR 2100	46	.00	.00	.00	0.	*	4 APR 2300	96	.00	.00	.00	0.	
2 APR 2200	47	.00	.00	.00	0.	*	5 APR 0000	97	.00	.00	.00	0.	
2 APR 2300	48	.00	.00	.00	0.	*	5 APR 0100	98	.00	.00	.00	0.	
3 APR 0000	49	.00	.00	.00	0.	*	5 APR 0200	99	.00	.00	.00	0.	
3 APR 0100	50	.00	.00	.00	0.	*	5 APR 0300	100	.00	.00	.00	0.	

TOTAL RAINFALL = .07, TOTAL LOSS = .00, TOTAL EXCESS = .07

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	
+	(CFS)	(HR)		24-HR	72-HR
					99.00-HR
+	105.	16.00	(CFS)		
			90.	47.	17.
		(INCHES)	.033	.068	.072
		(AC-FT)	45.	93.	99.

CUMULATIVE AREA = 25.74 SQ MI

HYDROGRAPH MULTIPLIED BY .40

HYDROGRAPH AT STATION 13

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	APR	0000	1	0.	*	2	APR	0100	26	8.	*	3	APR	0200	51	0.	*	4	APR	0300	76	0.	
1	APR	0100	2	0.	*	2	APR	0200	27	6.	*	3	APR	0300	52	0.	*	4	APR	0400	77	0.	
1	APR	0200	3	2.	*	2	APR	0300	28	5.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.	
1	APR	0300	4	4.	*	2	APR	0400	29	4.	*	3	APR	0500	54	0.	*	4	APR	0600	79	0.	
1	APR	0400	5	5.	*	2	APR	0500	30	3.	*	3	APR	0600	55	0.	*	4	APR	0700	80	0.	
1	APR	0500	6	7.	*	2	APR	0600	31	3.	*	3	APR	0700	56	0.	*	4	APR	0800	81	0.	
1	APR	0600	7	9.	*	2	APR	0700	32	2.	*	3	APR	0800	57	0.	*	4	APR	0900	82	0.	
1	APR	0700	8	10.	*	2	APR	0800	33	2.	*	3	APR	0900	58	0.	*	4	APR	1000	83	0.	
1	APR	0800	9	13.	*	2	APR	0900	34	1.	*	3	APR	1000	59	0.	*	4	APR	1100	84	0.	
1	APR	0900	10	16.	*	2	APR	1000	35	1.	*	3	APR	1100	60	0.	*	4	APR	1200	85	0.	
1	APR	1000	11	21.	*	2	APR	1100	36	1.	*	3	APR	1200	61	0.	*	4	APR	1300	86	0.	
1	APR	1100	12	25.	*	2	APR	1200	37	1.	*	3	APR	1300	62	0.	*	4	APR	1400	87	0.	
1	APR	1200	13	28.	*	2	APR	1300	38	1.	*	3	APR	1400	63	0.	*	4	APR	1500	88	0.	
1	APR	1300	14	30.	*	2	APR	1400	39	0.	*	3	APR	1500	64	0.	*	4	APR	1600	89	0.	
1	APR	1400	15	37.	*	2	APR	1500	40	0.	*	3	APR	1600	65	0.	*	4	APR	1700	90	0.	
1	APR	1500	16	42.	*	2	APR	1600	41	0.	*	3	APR	1700	66	0.	*	4	APR	1800	91	0.	
1	APR	1600	17	42.	*	2	APR	1700	42	0.	*	3	APR	1800	67	0.	*	4	APR	1900	92	0.	
1	APR	1700	18	37.	*	2	APR	1800	43	0.	*	3	APR	1900	68	0.	*	4	APR	2000	93	0.	

day1.out														
1 APR 1800	19	27.	*	2 APR 1900	44	0.	*	3 APR 2000	69	0.	*	4 APR 2100	94	0.
1 APR 1900	20	20.	*	2 APR 2000	45	0.	*	3 APR 2100	70	0.	*	4 APR 2200	95	0.
1 APR 2000	21	17.	*	2 APR 2100	46	0.	*	3 APR 2200	71	0.	*	4 APR 2300	96	0.
1 APR 2100	22	14.	*	2 APR 2200	47	0.	*	3 APR 2300	72	0.	*	5 APR 0000	97	0.
1 APR 2200	23	12.	*	2 APR 2300	48	0.	*	4 APR 0000	73	0.	*	5 APR 0100	98	0.
1 APR 2300	24	11.	*	3 APR 0000	49	0.	*	4 APR 0100	74	0.	*	5 APR 0200	99	0.
2 APR 0000	25	10.	*	3 APR 0100	50	0.	*	4 APR 0200	75	0.	*	5 APR 0300	100	0.

PEAK FLOW	TIME		MAXIMUM	AVERAGE FLOW		
+	(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
+	42.	16.00				
		(CFS)	36.	19.	7.	5.
		(INCHES)	.013	.027	.029	.029
		(AC-FT)	18.	37.	40.	40.
CUMULATIVE AREA =			25.74 SQ MI			

*** **

324 KK 13 SUBAREA 13

NUEVO(60% VALLEY)

COMBINE AT THE D/S OF RAMONA EXPWY PER CDJ

329 IN TIME DATA FOR INPUT TIME SERIES

 JXMIN 15 TIME INTERVAL IN MINUTES

 JXDATE 1APR92 STARTING DATE

 JXTIME 20 STARTING TIME

 UHG FROM VALLEY S-GRAPH

SUBBASIN RUNOFF DATA

327 BA SUBBASIN CHARACTERISTICS

 TAREA 25.74 SUBBASIN AREA

 SNAP .00 NORMAL ANNUAL PRECIPITATION

 RATIO .60 RATIO OF HYDROGRAPH

PRECIPITATION DATA

328 PB STORM .07 BASIN TOTAL PRECIPITATION

330 PI INCREMENTAL PRECIPITATION PATTERN

					day1.out					
.00	.01	.01	.02	.02	.03	.03	.04	.05	.07	
.08	.08	.08	.12	.10	.10	.06	.02	.02	.01	
.01	.01	.01	.01	.01	.00					

340 LU UNIFORM LOSS RATE
 STRTL .00 INITIAL LOSS
 CNSTL .00 UNIFORM LOSS RATE
 RTIMP .00 PERCENT IMPERVIOUS AREA

340 UI INPUT UNITGRAPH, 15 ORDINATES, VOLUME = 1.00
 3331.0 6377.0 2585.0 1309.0 803.0 580.0 416.0 326.0 259.0 187.0
 141.0 92.0 92.0 92.0 11.0

HYDROGRAPH AT STATION 13

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	1.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	4.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	10.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	14.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	18.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.00	.00	.00	23.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.00	.00	.00	28.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.00	.00	.00	34.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.00	.00	.00	42.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.00	.00	.00	55.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.01	.00	.01	68.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	77.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.01	.00	.01	82.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.01	.00	.01	97.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.01	.00	.01	114.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.01	.00	.01	115.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.00	.00	.00	105.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	76.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	50.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	39.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	31.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	26.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	22.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	19.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	15.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	11.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	7.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	4.	*	4	APR	0600	79	.00	.00	.00	0.

										day1.out				
2 APR 0500	30	.00	.00	.00	3.	*	4 APR 0700	80	.00	.00	.00	0.		
2 APR 0600	31	.00	.00	.00	2.	*	4 APR 0800	81	.00	.00	.00	0.		
2 APR 0700	32	.00	.00	.00	1.	*	4 APR 0900	82	.00	.00	.00	0.		
2 APR 0800	33	.00	.00	.00	1.	*	4 APR 1000	83	.00	.00	.00	0.		
2 APR 0900	34	.00	.00	.00	1.	*	4 APR 1100	84	.00	.00	.00	0.		
2 APR 1000	35	.00	.00	.00	0.	*	4 APR 1200	85	.00	.00	.00	0.		
2 APR 1100	36	.00	.00	.00	0.	*	4 APR 1300	86	.00	.00	.00	0.		
2 APR 1200	37	.00	.00	.00	0.	*	4 APR 1400	87	.00	.00	.00	0.		
2 APR 1300	38	.00	.00	.00	0.	*	4 APR 1500	88	.00	.00	.00	0.		
2 APR 1400	39	.00	.00	.00	0.	*	4 APR 1600	89	.00	.00	.00	0.		
2 APR 1500	40	.00	.00	.00	0.	*	4 APR 1700	90	.00	.00	.00	0.		
2 APR 1600	41	.00	.00	.00	0.	*	4 APR 1800	91	.00	.00	.00	0.		
2 APR 1700	42	.00	.00	.00	0.	*	4 APR 1900	92	.00	.00	.00	0.		
2 APR 1800	43	.00	.00	.00	0.	*	4 APR 2000	93	.00	.00	.00	0.		
2 APR 1900	44	.00	.00	.00	0.	*	4 APR 2100	94	.00	.00	.00	0.		
2 APR 2000	45	.00	.00	.00	0.	*	4 APR 2200	95	.00	.00	.00	0.		
2 APR 2100	46	.00	.00	.00	0.	*	4 APR 2300	96	.00	.00	.00	0.		
2 APR 2200	47	.00	.00	.00	0.	*	5 APR 0000	97	.00	.00	.00	0.		
2 APR 2300	48	.00	.00	.00	0.	*	5 APR 0100	98	.00	.00	.00	0.		
3 APR 0000	49	.00	.00	.00	0.	*	5 APR 0200	99	.00	.00	.00	0.		
3 APR 0100	50	.00	.00	.00	0.	*	5 APR 0300	100	.00	.00	.00	0.		

TOTAL RAINFALL = .07, TOTAL LOSS = .00, TOTAL EXCESS = .07

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	
+	(CFS)	(HR)		24-HR	72-HR
+	115.	16.00			99.00-HR
		(CFS)	98.	49.	17.
		(INCHES)	.035	.070	.072
		(AC-FT)	49.	97.	99.

CUMULATIVE AREA = 25.74 SQ MI

HYDROGRAPH MULTIPLIED BY .60

HYDROGRAPH AT STATION 13

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	APR	0000	1	0.	*	2	APR	0100	26	9.	*	3	APR	0200	51	0.	*	4	APR	0300	76	0.	*
1	APR	0100	2	0.	*	2	APR	0200	27	7.	*	3	APR	0300	52	0.	*	4	APR	0400	77	0.	*
1	APR	0200	3	3.	*	2	APR	0300	28	4.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.	*
1	APR	0300	4	6.	*	2	APR	0400	29	3.	*	3	APR	0500	54	0.	*	4	APR	0600	79	0.	*
1	APR	0400	5	8.	*	2	APR	0500	30	2.	*	3	APR	0600	55	0.	*	4	APR	0700	80	0.	*

day1.out														
1 APR 0500	6	11.	*	2 APR 0600	31	1.	*	3 APR 0700	56	0.	*	4 APR 0800	81	0.
1 APR 0600	7	14.	*	2 APR 0700	32	1.	*	3 APR 0800	57	0.	*	4 APR 0900	82	0.
1 APR 0700	8	17.	*	2 APR 0800	33	0.	*	3 APR 0900	58	0.	*	4 APR 1000	83	0.
1 APR 0800	9	20.	*	2 APR 0900	34	0.	*	3 APR 1000	59	0.	*	4 APR 1100	84	0.
1 APR 0900	10	25.	*	2 APR 1000	35	0.	*	3 APR 1100	60	0.	*	4 APR 1200	85	0.
1 APR 1000	11	33.	*	2 APR 1100	36	0.	*	3 APR 1200	61	0.	*	4 APR 1300	86	0.
1 APR 1100	12	41.	*	2 APR 1200	37	0.	*	3 APR 1300	62	0.	*	4 APR 1400	87	0.
1 APR 1200	13	46.	*	2 APR 1300	38	0.	*	3 APR 1400	63	0.	*	4 APR 1500	88	0.
1 APR 1300	14	49.	*	2 APR 1400	39	0.	*	3 APR 1500	64	0.	*	4 APR 1600	89	0.
1 APR 1400	15	58.	*	2 APR 1500	40	0.	*	3 APR 1600	65	0.	*	4 APR 1700	90	0.
1 APR 1500	16	68.	*	2 APR 1600	41	0.	*	3 APR 1700	66	0.	*	4 APR 1800	91	0.
1 APR 1600	17	69.	*	2 APR 1700	42	0.	*	3 APR 1800	67	0.	*	4 APR 1900	92	0.
1 APR 1700	18	63.	*	2 APR 1800	43	0.	*	3 APR 1900	68	0.	*	4 APR 2000	93	0.
1 APR 1800	19	46.	*	2 APR 1900	44	0.	*	3 APR 2000	69	0.	*	4 APR 2100	94	0.
1 APR 1900	20	30.	*	2 APR 2000	45	0.	*	3 APR 2100	70	0.	*	4 APR 2200	95	0.
1 APR 2000	21	23.	*	2 APR 2100	46	0.	*	3 APR 2200	71	0.	*	4 APR 2300	96	0.
1 APR 2100	22	19.	*	2 APR 2200	47	0.	*	3 APR 2300	72	0.	*	5 APR 0000	97	0.
1 APR 2200	23	16.	*	2 APR 2300	48	0.	*	4 APR 0000	73	0.	*	5 APR 0100	98	0.
1 APR 2300	24	13.	*	3 APR 0000	49	0.	*	4 APR 0100	74	0.	*	5 APR 0200	99	0.
2 APR 0000	25	11.	*	3 APR 0100	50	0.	*	4 APR 0200	75	0.	*	5 APR 0300	100	0.

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW				
+	(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR	
+	69.	16.00	(CFS)	59.	29.	10.	7.
			(INCHES)	.021	.042	.043	.043
			(AC-FT)	29.	58.	59.	59.

CUMULATIVE AREA = 25.74 SQ MI

*** **

344 KK *****
 * *
 * NUEVDS *
 * *

COMBINE THE SAN JACINTO RIVER WITH SUBAREAS 12&13

346 HC HYDROGRAPH COMBINATION
 ICOMP 3 NUMBER OF HYDROGRAPHS TO COMBINE

day1.out

HYDROGRAPH AT STATION NUEVDS
SUM OF 3 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	APR	0000	1	0.	*	2	APR	0100	26	54.	*	3	APR	0200	51	55.	*	4	APR	0300	76	60.	*
1	APR	0100	2	1.	*	2	APR	0200	27	52.	*	3	APR	0300	52	54.	*	4	APR	0400	77	62.	*
1	APR	0200	3	5.	*	2	APR	0300	28	51.	*	3	APR	0400	53	53.	*	4	APR	0500	78	64.	*
1	APR	0300	4	10.	*	2	APR	0400	29	51.	*	3	APR	0500	54	52.	*	4	APR	0600	79	65.	*
1	APR	0400	5	14.	*	2	APR	0500	30	52.	*	3	APR	0600	55	52.	*	4	APR	0700	80	67.	*
1	APR	0500	6	18.	*	2	APR	0600	31	53.	*	3	APR	0700	56	51.	*	4	APR	0800	81	69.	*
1	APR	0600	7	23.	*	2	APR	0700	32	55.	*	3	APR	0800	57	51.	*	4	APR	0900	82	70.	*
1	APR	0700	8	28.	*	2	APR	0800	33	56.	*	3	APR	0900	58	50.	*	4	APR	1000	83	72.	*
1	APR	0800	9	34.	*	2	APR	0900	34	57.	*	3	APR	1000	59	50.	*	4	APR	1100	84	74.	*
1	APR	0900	10	43.	*	2	APR	1000	35	58.	*	3	APR	1100	60	49.	*	4	APR	1200	85	76.	*
1	APR	1000	11	55.	*	2	APR	1100	36	59.	*	3	APR	1200	61	49.	*	4	APR	1300	86	78.	*
1	APR	1100	12	68.	*	2	APR	1200	37	60.	*	3	APR	1300	62	49.	*	4	APR	1400	87	80.	*
1	APR	1200	13	77.	*	2	APR	1300	38	60.	*	3	APR	1400	63	49.	*	4	APR	1500	88	82.	*
1	APR	1300	14	84.	*	2	APR	1400	39	61.	*	3	APR	1500	64	50.	*	4	APR	1600	89	84.	*
1	APR	1400	15	101.	*	2	APR	1500	40	61.	*	3	APR	1600	65	50.	*	4	APR	1700	90	86.	*
1	APR	1500	16	117.	*	2	APR	1600	41	61.	*	3	APR	1700	66	50.	*	4	APR	1800	91	88.	*
1	APR	1600	17	120.	*	2	APR	1700	42	61.	*	3	APR	1800	67	51.	*	4	APR	1900	92	90.	*
1	APR	1700	18	112.	*	2	APR	1800	43	60.	*	3	APR	1900	68	52.	*	4	APR	2000	93	92.	*
1	APR	1800	19	87.	*	2	APR	1900	44	60.	*	3	APR	2000	69	52.	*	4	APR	2100	94	94.	*
1	APR	1900	20	68.	*	2	APR	2000	45	60.	*	3	APR	2100	70	53.	*	4	APR	2200	95	96.	*
1	APR	2000	21	60.	*	2	APR	2100	46	59.	*	3	APR	2200	71	54.	*	4	APR	2300	96	98.	*
1	APR	2100	22	56.	*	2	APR	2200	47	58.	*	3	APR	2300	72	55.	*	5	APR	0000	97	100.	*
1	APR	2200	23	55.	*	2	APR	2300	48	57.	*	4	APR	0000	73	56.	*	5	APR	0100	98	102.	*
1	APR	2300	24	54.	*	3	APR	0000	49	57.	*	4	APR	0100	74	58.	*	5	APR	0200	99	104.	*
2	APR	0000	25	54.	*	3	APR	0100	50	56.	*	4	APR	0200	75	59.	*	5	APR	0300	100	106.	*

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW		
(CFS)	(HR)		6-HR	24-HR	72-HR
120.	16.00	(CFS)	103.	82.	64.
		(INCHES)	.002	.007	.015
		(AC-FT)	51.	163.	381.

CUMULATIVE AREA = 464.48 SQ MI

day1.out

*
347 KK * 14 *
*

SUBAREA 14

PERRIS VALLEY

1

THE FOLLOWING INFORMATION WERE OBTAINED FROM PREVIOUS WORKS
PERFORMED BY B.C. & C.V.A. DATED 4/88. FILENAME :CP4.DAT
THE PERRIS VALLEY AREA INCLUDED THE PIGEON PASS DRAINAGE AREAS.
TOTAL DRAINAGE AREAS = 85.44 SQ.MI.
ALL HYDROGRAPHS ADJUSTED FOR YIELD AT NUEVO RD. / CP-4
INFLOW TO PIGEON PASS RESERVIOR
ULTIMATE DEVELOPMENT ALL BASINS IN PLACE

359 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 30 TIME INTERVAL IN MINUTES
 JXDATE 1APR92 STARTING DATE
 JXTIME 10 STARTING TIME
 UHG FROM VALLEY S-GRAPH

SUBBASIN RUNOFF DATA

357 BA SUBBASIN CHARACTERISTICS
 TAREA 9.03 SUBBASIN AREA

PRECIPITATION DATA

358 PB STORM .07 BASIN TOTAL PRECIPITATION

360 PI INCREMENTAL PRECIPITATION PATTERN
 .00 .01 .01 .02 .02 .03 .03 .04 .05 .07
 .08 .07 .08 .11 .11 .10 .07 .01 .02 .01
 .01 .01 .01 .01 .01 .00

365 LU UNIFORM LOSS RATE
 STRTL .00 INITIAL LOSS
 CNSTL .00 UNIFORM LOSS RATE
 RTIMP .00 PERCENT IMPERVIOUS AREA

365 UI INPUT UNITGRAPH, 6 ORDINATES, VOLUME = 1.00
 3898.0 1128.0 417.0 215.0 104.0 62.0

HYDROGRAPH AT STATION 14

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
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										day1.out						
*																
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	0.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	3.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	5.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	6.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	8.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.00	.00	.00	10.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.00	.00	.00	11.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.00	.00	.00	14.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.00	.00	.00	18.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.00	.00	.00	23.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.01	.00	.01	29.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	29.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.01	.00	.01	30.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.01	.00	.01	41.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.01	.00	.01	42.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.01	.00	.01	41.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.00	.00	.00	33.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	15.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	11.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	8.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	6.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	5.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	4.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	4.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	3.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	1.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	0.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	0.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	0.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	0.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	0.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	0.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	0.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	0.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	0.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	0.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	0.	*	4	APR	1500	88	.00	.00	.00	0.
2	APR	1400	39	.00	.00	.00	0.	*	4	APR	1600	89	.00	.00	.00	0.
2	APR	1500	40	.00	.00	.00	0.	*	4	APR	1700	90	.00	.00	.00	0.
2	APR	1600	41	.00	.00	.00	0.	*	4	APR	1800	91	.00	.00	.00	0.
2	APR	1700	42	.00	.00	.00	0.	*	4	APR	1900	92	.00	.00	.00	0.
2	APR	1800	43	.00	.00	.00	0.	*	4	APR	2000	93	.00	.00	.00	0.
2	APR	1900	44	.00	.00	.00	0.	*	4	APR	2100	94	.00	.00	.00	0.
2	APR	2000	45	.00	.00	.00	0.	*	4	APR	2200	95	.00	.00	.00	0.
2	APR	2100	46	.00	.00	.00	0.	*	4	APR	2300	96	.00	.00	.00	0.
2	APR	2200	47	.00	.00	.00	0.	*	5	APR	0000	97	.00	.00	.00	0.
2	APR	2300	48	.00	.00	.00	0.	*	5	APR	0100	98	.00	.00	.00	0.
3	APR	0000	49	.00	.00	.00	0.	*	5	APR	0200	99	.00	.00	.00	0.
3	APR	0100	50	.00	.00	.00	0.	*	5	APR	0300	100	.00	.00	.00	0.
*																

day1.out

TOTAL RAINFALL = .07, TOTAL LOSS = .00, TOTAL EXCESS = .07

PEAK FLOW (CFS)	TIME (HR)	6-HR (CFS)	MAXIMUM 24-HR (INCHES)	AVERAGE FLOW 72-HR (AC-FT)	99.00-HR (CFS)
42.	15.00	36.	17.	6.	4.
		.037	.068	.069	.069
		18.	33.	33.	33.

CUMULATIVE AREA = 9.03 SQ MI

*** **

368 KK *****
* *
* PB *
* *

PIGEON PASS RESERVOIR ROUTING

HYDROGRAPH ROUTING DATA

370 RS	STORAGE ROUTING	NSTPS	1	NUMBER OF SUBREACHES
	ITYP	ELEV	TYPE OF INITIAL CONDITION	
	RSVRIC	1670.00	INITIAL CONDITION	
	X	.00	WORKING R AND D COEFFICIENT	
371 SV	STORAGE	.0	24.0	124.0
372 SE	ELEVATION	1670.00	1676.00	1680.00
373 SQ	DISCHARGE	0.	80.	90.
374 SE	ELEVATION	1670.00	1671.00	1674.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	4.00	16.00	24.00	74.00	124.00	290.25	314.00	565.00	685.00
OUTFLOW	.00	80.00	90.00	95.00	100.00	103.64	110.00	110.83	117.50	120.00
ELEVATION	1670.00	1671.00	1674.00	1676.00	1678.00	1680.00	1683.50	1684.00	1688.00	1689.50
STORAGE	885.00	1615.63	1720.00	1720.00						

day1.out
OUTFLOW 124.17 130.00 130.83 137.50
ELEVATION 1692.00 1695.50 1696.00 1700.00

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 131. TO 138.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

HYDROGRAPH AT STATION PB

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
1	APR	0000	1	0.	.0	1670.0	*	2	APR	1000	35	0.	.0	1670.0	*	3	APR	2000	69	0.	.0	1670.0
1	APR	0100	2	0.	.0	1670.0	*	2	APR	1100	36	0.	.0	1670.0	*	3	APR	2100	70	0.	.0	1670.0
1	APR	0200	3	2.	.1	1670.0	*	2	APR	1200	37	0.	.0	1670.0	*	3	APR	2200	71	0.	.0	1670.0
1	APR	0300	4	4.	.2	1670.0	*	2	APR	1300	38	0.	.0	1670.0	*	3	APR	2300	72	0.	.0	1670.0
1	APR	0400	5	5.	.3	1670.1	*	2	APR	1400	39	0.	.0	1670.0	*	4	APR	0000	73	0.	.0	1670.0
1	APR	0500	6	7.	.4	1670.1	*	2	APR	1500	40	0.	.0	1670.0	*	4	APR	0100	74	0.	.0	1670.0
1	APR	0600	7	9.	.4	1670.1	*	2	APR	1600	41	0.	.0	1670.0	*	4	APR	0200	75	0.	.0	1670.0
1	APR	0700	8	11.	.5	1670.1	*	2	APR	1700	42	0.	.0	1670.0	*	4	APR	0300	76	0.	.0	1670.0
1	APR	0800	9	13.	.6	1670.2	*	2	APR	1800	43	0.	.0	1670.0	*	4	APR	0400	77	0.	.0	1670.0
1	APR	0900	10	16.	.8	1670.2	*	2	APR	1900	44	0.	.0	1670.0	*	4	APR	0500	78	0.	.0	1670.0
1	APR	1000	11	20.	1.0	1670.3	*	2	APR	2000	45	0.	.0	1670.0	*	4	APR	0600	79	0.	.0	1670.0
1	APR	1100	12	26.	1.3	1670.3	*	2	APR	2100	46	0.	.0	1670.0	*	4	APR	0700	80	0.	.0	1670.0
1	APR	1200	13	28.	1.4	1670.4	*	2	APR	2200	47	0.	.0	1670.0	*	4	APR	0800	81	0.	.0	1670.0
1	APR	1300	14	29.	1.5	1670.4	*	2	APR	2300	48	0.	.0	1670.0	*	4	APR	0900	82	0.	.0	1670.0
1	APR	1400	15	35.	1.7	1670.4	*	3	APR	0000	49	0.	.0	1670.0	*	4	APR	1000	83	0.	.0	1670.0
1	APR	1500	16	41.	2.0	1670.5	*	3	APR	0100	50	0.	.0	1670.0	*	4	APR	1100	84	0.	.0	1670.0
1	APR	1600	17	42.	2.1	1670.5	*	3	APR	0200	51	0.	.0	1670.0	*	4	APR	1200	85	0.	.0	1670.0
1	APR	1700	18	38.	1.9	1670.5	*	3	APR	0300	52	0.	.0	1670.0	*	4	APR	1300	86	0.	.0	1670.0
1	APR	1800	19	25.	1.3	1670.3	*	3	APR	0400	53	0.	.0	1670.0	*	4	APR	1400	87	0.	.0	1670.0
1	APR	1900	20	14.	.7	1670.2	*	3	APR	0500	54	0.	.0	1670.0	*	4	APR	1500	88	0.	.0	1670.0
1	APR	2000	21	10.	.5	1670.1	*	3	APR	0600	55	0.	.0	1670.0	*	4	APR	1600	89	0.	.0	1670.0
1	APR	2100	22	7.	.3	1670.1	*	3	APR	0700	56	0.	.0	1670.0	*	4	APR	1700	90	0.	.0	1670.0
1	APR	2200	23	5.	.3	1670.1	*	3	APR	0800	57	0.	.0	1670.0	*	4	APR	1800	91	0.	.0	1670.0
1	APR	2300	24	5.	.2	1670.1	*	3	APR	0900	58	0.	.0	1670.0	*	4	APR	1900	92	0.	.0	1670.0
2	APR	0000	25	4.	.2	1670.1	*	3	APR	1000	59	0.	.0	1670.0	*	4	APR	2000	93	0.	.0	1670.0
2	APR	0100	26	3.	.2	1670.0	*	3	APR	1100	60	0.	.0	1670.0	*	4	APR	2100	94	0.	.0	1670.0
2	APR	0200	27	2.	.1	1670.0	*	3	APR	1200	61	0.	.0	1670.0	*	4	APR	2200	95	0.	.0	1670.0
2	APR	0300	28	1.	.0	1670.0	*	3	APR	1300	62	0.	.0	1670.0	*	4	APR	2300	96	0.	.0	1670.0
2	APR	0400	29	0.	.0	1670.0	*	3	APR	1400	63	0.	.0	1670.0	*	5	APR	0000	97	0.	.0	1670.0
2	APR	0500	30	0.	.0	1670.0	*	3	APR	1500	64	0.	.0	1670.0	*	5	APR	0100	98	0.	.0	1670.0
2	APR	0600	31	0.	.0	1670.0	*	3	APR	1600	65	0.	.0	1670.0	*	5	APR	0200	99	0.	.0	1670.0
2	APR	0700	32	0.	.0	1670.0	*	3	APR	1700	66	0.	.0	1670.0	*	5	APR	0300	100	0.	.0	1670.0
2	APR	0800	33	0.	.0	1670.0	*	3	APR	1800	67	0.	.0	1670.0	*							
2	APR	0900	34	0.	.0	1670.0	*	3	APR	1900	68	0.	.0	1670.0	*							

day1.out

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW 24-HR	72-HR	99.00-HR
+ (CFS)	(HR)	(CFS)				
+ 42.	16.00		35.	17.	6.	4.
		(INCHES)	.036	.068	.069	.069
		(AC-FT)	17.	33.	33.	33.

PEAK STORAGE	TIME		6-HR	MAXIMUM AVERAGE STORAGE 24-HR	72-HR	99.00-HR
+ (AC-FT)	(HR)					
+ 2.	16.00		2.	1.	0.	0.

PEAK STAGE	TIME		6-HR	MAXIMUM AVERAGE STAGE 24-HR	72-HR	99.00-HR
+ (FEET)	(HR)					
+ 1670.52	16.00		1670.44	1670.21	1670.07	1670.05

CUMULATIVE AREA = 9.03 SQ MI

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 *
 375 KK * IA *
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LOCAL AREA TRIBUTARY TO INDIAN-FESTIVAL BASIN

379 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 30 TIME INTERVAL IN MINUTES
 JXDATE 1APR92 STARTING DATE
 JXTIME 10 STARTING TIME
 UHG FROM VALLEY S-GRAPH

SUBBASIN RUNOFF DATA

377 BA SUBBASIN CHARACTERISTICS
 TAREA 1.17 SUBBASIN AREA

PRECIPITATION DATA

378 PB STORM .07 BASIN TOTAL PRECIPITATION

380 PI INCREMENTAL PRECIPITATION PATTERN

.00	.01	.01	.02	.02	.03	.03	.04	.05	.07
.08	.07	.08	.11	.11	.10	.07	.01	.02	.01
.01	.01	.01	.01	.01	.00				

day1.out

385 LU UNIFORM LOSS RATE
 STRTL .00 INITIAL LOSS
 CNSTL .00 UNIFORM LOSS RATE
 RTIMP .00 PERCENT IMPERVIOUS AREA

385 UI INPUT UNITGRAPH, 2 ORDINATES, VOLUME = 1.00
 713.0 43.0

HYDROGRAPH AT STATION IA

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	0.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	1.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	1.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	1.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	1.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.00	.00	.00	1.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.00	.00	.00	2.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.00	.00	.00	2.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.00	.00	.00	2.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.00	.00	.00	3.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.01	.00	.01	4.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.00	.00	.00	4.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.01	.00	.01	4.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.01	.00	.01	6.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.01	.00	.01	5.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.01	.00	.01	5.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.00	.00	.00	4.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	1.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	1.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	1.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	1.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	1.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	1.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	0.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	0.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	0.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	0.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	0.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	0.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	0.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	0.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	0.	*	4	APR	1000	83	.00	.00	.00	0.

							day1.out						
2 APR 0900	34	.00	.00	.00	0.	*	4 APR 1100	84	.00	.00	.00	0.	
2 APR 1000	35	.00	.00	.00	0.	*	4 APR 1200	85	.00	.00	.00	0.	
2 APR 1100	36	.00	.00	.00	0.	*	4 APR 1300	86	.00	.00	.00	0.	
2 APR 1200	37	.00	.00	.00	0.	*	4 APR 1400	87	.00	.00	.00	0.	
2 APR 1300	38	.00	.00	.00	0.	*	4 APR 1500	88	.00	.00	.00	0.	
2 APR 1400	39	.00	.00	.00	0.	*	4 APR 1600	89	.00	.00	.00	0.	
2 APR 1500	40	.00	.00	.00	0.	*	4 APR 1700	90	.00	.00	.00	0.	
2 APR 1600	41	.00	.00	.00	0.	*	4 APR 1800	91	.00	.00	.00	0.	
2 APR 1700	42	.00	.00	.00	0.	*	4 APR 1900	92	.00	.00	.00	0.	
2 APR 1800	43	.00	.00	.00	0.	*	4 APR 2000	93	.00	.00	.00	0.	
2 APR 1900	44	.00	.00	.00	0.	*	4 APR 2100	94	.00	.00	.00	0.	
2 APR 2000	45	.00	.00	.00	0.	*	4 APR 2200	95	.00	.00	.00	0.	
2 APR 2100	46	.00	.00	.00	0.	*	4 APR 2300	96	.00	.00	.00	0.	
2 APR 2200	47	.00	.00	.00	0.	*	5 APR 0000	97	.00	.00	.00	0.	
2 APR 2300	48	.00	.00	.00	0.	*	5 APR 0100	98	.00	.00	.00	0.	
3 APR 0000	49	.00	.00	.00	0.	*	5 APR 0200	99	.00	.00	.00	0.	
3 APR 0100	50	.00	.00	.00	0.	*	5 APR 0300	100	.00	.00	.00	0.	

TOTAL RAINFALL = .07, TOTAL LOSS = .00, TOTAL EXCESS = .07

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
(CFS)	(HR)	(CFS)				
+	6.	14.00	5.	2.	1.	1.
		(INCHES)	.036	.066	.066	.066
		(AC-FT)	2.	4.	4.	4.
CUMULATIVE AREA =			1.17 SQ MI			

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388 KK *****
 * *
 * IA *
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INFLOW HYDROGRAPH FOR INDIAN-FESTIVAL BASIN

390 HC HYDROGRAPH COMBINATION
 ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

day1.out
HYDROGRAPH AT STATION IA
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1	APR	0000	1	0.	*	2	APR	0100	26	4.	*	3	APR	0200	51	0.	*	4	APR	0300	76	0.
1	APR	0100	2	0.	*	2	APR	0200	27	2.	*	3	APR	0300	52	0.	*	4	APR	0400	77	0.
1	APR	0200	3	2.	*	2	APR	0300	28	1.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.
1	APR	0300	4	5.	*	2	APR	0400	29	0.	*	3	APR	0500	54	0.	*	4	APR	0600	79	0.
1	APR	0400	5	6.	*	2	APR	0500	30	0.	*	3	APR	0600	55	0.	*	4	APR	0700	80	0.
1	APR	0500	6	8.	*	2	APR	0600	31	0.	*	3	APR	0700	56	0.	*	4	APR	0800	81	0.
1	APR	0600	7	10.	*	2	APR	0700	32	0.	*	3	APR	0800	57	0.	*	4	APR	0900	82	0.
1	APR	0700	8	12.	*	2	APR	0800	33	0.	*	3	APR	0900	58	0.	*	4	APR	1000	83	0.
1	APR	0800	9	15.	*	2	APR	0900	34	0.	*	3	APR	1000	59	0.	*	4	APR	1100	84	0.
1	APR	0900	10	18.	*	2	APR	1000	35	0.	*	3	APR	1100	60	0.	*	4	APR	1200	85	0.
1	APR	1000	11	23.	*	2	APR	1100	36	0.	*	3	APR	1200	61	0.	*	4	APR	1300	86	0.
1	APR	1100	12	29.	*	2	APR	1200	37	0.	*	3	APR	1300	62	0.	*	4	APR	1400	87	0.
1	APR	1200	13	32.	*	2	APR	1300	38	0.	*	3	APR	1400	63	0.	*	4	APR	1500	88	0.
1	APR	1300	14	33.	*	2	APR	1400	39	0.	*	3	APR	1500	64	0.	*	4	APR	1600	89	0.
1	APR	1400	15	40.	*	2	APR	1500	40	0.	*	3	APR	1600	65	0.	*	4	APR	1700	90	0.
1	APR	1500	16	46.	*	2	APR	1600	41	0.	*	3	APR	1700	66	0.	*	4	APR	1800	91	0.
1	APR	1600	17	47.	*	2	APR	1700	42	0.	*	3	APR	1800	67	0.	*	4	APR	1900	92	0.
1	APR	1700	18	41.	*	2	APR	1800	43	0.	*	3	APR	1900	68	0.	*	4	APR	2000	93	0.
1	APR	1800	19	26.	*	2	APR	1900	44	0.	*	3	APR	2000	69	0.	*	4	APR	2100	94	0.
1	APR	1900	20	15.	*	2	APR	2000	45	0.	*	3	APR	2100	70	0.	*	4	APR	2200	95	0.
1	APR	2000	21	10.	*	2	APR	2100	46	0.	*	3	APR	2200	71	0.	*	4	APR	2300	96	0.
1	APR	2100	22	8.	*	2	APR	2200	47	0.	*	3	APR	2300	72	0.	*	5	APR	0000	97	0.
1	APR	2200	23	6.	*	2	APR	2300	48	0.	*	4	APR	0000	73	0.	*	5	APR	0100	98	0.
1	APR	2300	24	5.	*	3	APR	0000	49	0.	*	4	APR	0100	74	0.	*	5	APR	0200	99	0.
2	APR	0000	25	4.	*	3	APR	0100	50	0.	*	4	APR	0200	75	0.	*	5	APR	0300	100	0.

PEAK FLOW	TIME		MAXIMUM	AVERAGE FLOW	
(CFS)	(HR)		6-HR	24-HR	72-HR
+	47.	16.00	40.	19.	6.
			.036	.068	.069
			20.	37.	37.

CUMULATIVE AREA = 10.20 SQ MI

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day1.out

391 KK *
* IB *
* *

INDIAN STREET (FESTIVAL) BASIN ROUTING

HYDROGRAPH ROUTING DATA

393 RS STORAGE ROUTING
NSTPS 1 NUMBER OF SUBREACHES
ITYP ELEV TYPE OF INITIAL CONDITION
RSVRIC 1635.50 INITIAL CONDITION
X .00 WORKING R AND D COEFFICIENT

394 SA AREA .0 .6 3.5 8.9 10.9 11.1 11.3 11.5 11.6 11.7
11.9 12.1

396 SE ELEVATION 1635.50 1636.00 1637.00 1638.00 1639.00 1640.00 1641.00 1642.00 1643.00 1644.00
1645.00 1646.00

398 SQ DISCHARGE 0. 15. 23. 56. 88. 117. 137. 155. 173. 189.
205. 220.

COMPUTED STORAGE-ELEVATION DATA

STORAGE .00 .09 1.93 7.94 17.82 28.82 40.02 51.42 62.97 74.62
ELEVATION 1635.50 1636.00 1637.00 1638.00 1639.00 1640.00 1641.00 1642.00 1643.00 1644.00

STORAGE 86.42 98.42
ELEVATION 1645.00 1646.00

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 0. TO 15.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

HYDROGRAPH AT STATION IB

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
1	APR	0000	1	0.	.0	1635.5	*	2	APR	1000	35	0.	.0	1635.5	*	3	APR	2000	69	0.	.0	1635.5
1	APR	0100	2	0.	.0	1635.5	*	2	APR	1100	36	0.	.0	1635.5	*	3	APR	2100	70	0.	.0	1635.5
1	APR	0200	3	2.	.0	1635.6	*	2	APR	1200	37	0.	.0	1635.5	*	3	APR	2200	71	0.	.0	1635.5
1	APR	0300	4	4.	.0	1635.6	*	2	APR	1300	38	0.	.0	1635.5	*	3	APR	2300	72	0.	.0	1635.5
1	APR	0400	5	6.	.0	1635.7	*	2	APR	1400	39	0.	.0	1635.5	*	4	APR	0000	73	0.	.0	1635.5
1	APR	0500	6	8.	.1	1635.8	*	2	APR	1500	40	0.	.0	1635.5	*	4	APR	0100	74	0.	.0	1635.5
1	APR	0600	7	10.	.1	1635.8	*	2	APR	1600	41	0.	.0	1635.5	*	4	APR	0200	75	0.	.0	1635.5

										day1.out							
1 APR 0700	8	12.	.1	1635.9	*	2 APR 1700	42	0.	.0	1635.5	*	4 APR 0300	76	0.	.0	1635.5	
1 APR 0800	9	14.	.1	1636.0	*	2 APR 1800	43	0.	.0	1635.5	*	4 APR 0400	77	0.	.0	1635.5	
1 APR 0900	10	15.	.2	1636.1	*	2 APR 1900	44	0.	.0	1635.5	*	4 APR 0500	78	0.	.0	1635.5	
1 APR 1000	11	17.	.6	1636.3	*	2 APR 2000	45	0.	.0	1635.5	*	4 APR 0600	79	0.	.0	1635.5	
1 APR 1100	12	20.	1.2	1636.6	*	2 APR 2100	46	0.	.0	1635.5	*	4 APR 0700	80	0.	.0	1635.5	
1 APR 1200	13	23.	2.0	1637.0	*	2 APR 2200	47	0.	.0	1635.5	*	4 APR 0800	81	0.	.0	1635.5	
1 APR 1300	14	27.	2.6	1637.1	*	2 APR 2300	48	0.	.0	1635.5	*	4 APR 0900	82	0.	.0	1635.5	
1 APR 1400	15	30.	3.3	1637.2	*	3 APR 0000	49	0.	.0	1635.5	*	4 APR 1000	83	0.	.0	1635.5	
1 APR 1500	16	35.	4.2	1637.4	*	3 APR 0100	50	0.	.0	1635.5	*	4 APR 1100	84	0.	.0	1635.5	
1 APR 1600	17	39.	4.9	1637.5	*	3 APR 0200	51	0.	.0	1635.5	*	4 APR 1200	85	0.	.0	1635.5	
1 APR 1700	18	41.	5.2	1637.5	*	3 APR 0300	52	0.	.0	1635.5	*	4 APR 1300	86	0.	.0	1635.5	
1 APR 1800	19	38.	4.7	1637.5	*	3 APR 0400	53	0.	.0	1635.5	*	4 APR 1400	87	0.	.0	1635.5	
1 APR 1900	20	32.	3.5	1637.3	*	3 APR 0500	54	0.	.0	1635.5	*	4 APR 1500	88	0.	.0	1635.5	
1 APR 2000	21	25.	2.3	1637.1	*	3 APR 0600	55	0.	.0	1635.5	*	4 APR 1600	89	0.	.0	1635.5	
1 APR 2100	22	20.	1.2	1636.6	*	3 APR 0700	56	0.	.0	1635.5	*	4 APR 1700	90	0.	.0	1635.5	
1 APR 2200	23	16.	.3	1636.1	*	3 APR 0800	57	0.	.0	1635.5	*	4 APR 1800	91	0.	.0	1635.5	
1 APR 2300	24	1.	.0	1635.5	*	3 APR 0900	58	0.	.0	1635.5	*	4 APR 1900	92	0.	.0	1635.5	
2 APR 0000	25	7.	.0	1635.7	*	3 APR 1000	59	0.	.0	1635.5	*	4 APR 2000	93	0.	.0	1635.5	
2 APR 0100	26	2.	.0	1635.6	*	3 APR 1100	60	0.	.0	1635.5	*	4 APR 2100	94	0.	.0	1635.5	
2 APR 0200	27	4.	.0	1635.6	*	3 APR 1200	61	0.	.0	1635.5	*	4 APR 2200	95	0.	.0	1635.5	
2 APR 0300	28	0.	.0	1635.5	*	3 APR 1300	62	0.	.0	1635.5	*	4 APR 2300	96	0.	.0	1635.5	
2 APR 0400	29	1.	.0	1635.5	*	3 APR 1400	63	0.	.0	1635.5	*	5 APR 0000	97	0.	.0	1635.5	
2 APR 0500	30	0.	.0	1635.5	*	3 APR 1500	64	0.	.0	1635.5	*	5 APR 0100	98	0.	.0	1635.5	
2 APR 0600	31	0.	.0	1635.5	*	3 APR 1600	65	0.	.0	1635.5	*	5 APR 0200	99	0.	.0	1635.5	
2 APR 0700	32	0.	.0	1635.5	*	3 APR 1700	66	0.	.0	1635.5	*	5 APR 0300	100	0.	.0	1635.5	
2 APR 0800	33	0.	.0	1635.5	*	3 APR 1800	67	0.	.0	1635.5	*						
2 APR 0900	34	0.	.0	1635.5	*	3 APR 1900	68	0.	.0	1635.5	*						

PEAK FLOW		TIME	MAXIMUM AVERAGE FLOW			
+	(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
+	41.	17.00	(CFS)			
			36.	19.	6.	5.
			(INCHES)	.068	.069	.069
			(AC-FT)	18.	37.	37.

PEAK STORAGE		TIME	MAXIMUM AVERAGE STORAGE			
+	(AC-FT)	(HR)	6-HR	24-HR	72-HR	99.00-HR
+	5.	17.00	4.	2.	1.	0.

PEAK STAGE		TIME	MAXIMUM AVERAGE STAGE			
+	(FEET)	(HR)	6-HR	24-HR	72-HR	99.00-HR
+	1637.55	17.00	1637.38	1636.44	1635.81	1635.73

CUMULATIVE AREA = 10.20 SQ MI

day1.out

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400 KK * LA *
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TRIBUTARY AREA FOR LASSELLE BASIN

404 IN TIME DATA FOR INPUT TIME SERIES
JXMIN 30 TIME INTERVAL IN MINUTES
JXDATE 1APR92 STARTING DATE
JXTIME 10 STARTING TIME
UHG FROM AVERAGE FULLERTON - SAN JOSE S-GRAPH

SUBBASIN RUNOFF DATA

402 BA SUBBASIN CHARACTERISTICS
TAREA .69 SUBBASIN AREA

PRECIPITATION DATA

403 PB STORM .08 BASIN TOTAL PRECIPITATION

405 PI INCREMENTAL PRECIPITATION PATTERN
.00 .01 .01 .02 .02 .03 .03 .04 .05 .07
.08 .07 .08 .11 .11 .10 .07 .01 .02 .01
.01 .01 .01 .01 .01 .00

410 LU UNIFORM LOSS RATE
STRTL .00 INITIAL LOSS
CNSTL .00 UNIFORM LOSS RATE
RTIMP .00 PERCENT IMPERVIOUS AREA

410 UI INPUT UNITGRAPH, 2 ORDINATES, VOLUME = 1.00
429.0 16.0

HYDROGRAPH AT STATION LA

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	0.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	0.	*	3	APR	0400	53	.00	.00	.00	0.

						day1.out						
1 APR 0300	4	.00	.00	.00	0.	*	3 APR 0500	54	.00	.00	.00	0.
1 APR 0400	5	.00	.00	.00	1.	*	3 APR 0600	55	.00	.00	.00	0.
1 APR 0500	6	.00	.00	.00	1.	*	3 APR 0700	56	.00	.00	.00	0.
1 APR 0600	7	.00	.00	.00	1.	*	3 APR 0800	57	.00	.00	.00	0.
1 APR 0700	8	.00	.00	.00	1.	*	3 APR 0900	58	.00	.00	.00	0.
1 APR 0800	9	.00	.00	.00	1.	*	3 APR 1000	59	.00	.00	.00	0.
1 APR 0900	10	.00	.00	.00	2.	*	3 APR 1100	60	.00	.00	.00	0.
1 APR 1000	11	.01	.00	.01	2.	*	3 APR 1200	61	.00	.00	.00	0.
1 APR 1100	12	.01	.00	.01	3.	*	3 APR 1300	62	.00	.00	.00	0.
1 APR 1200	13	.01	.00	.01	2.	*	3 APR 1400	63	.00	.00	.00	0.
1 APR 1300	14	.01	.00	.01	3.	*	3 APR 1500	64	.00	.00	.00	0.
1 APR 1400	15	.01	.00	.01	4.	*	3 APR 1600	65	.00	.00	.00	0.
1 APR 1500	16	.01	.00	.01	4.	*	3 APR 1700	66	.00	.00	.00	0.
1 APR 1600	17	.01	.00	.01	3.	*	3 APR 1800	67	.00	.00	.00	0.
1 APR 1700	18	.01	.00	.01	2.	*	3 APR 1900	68	.00	.00	.00	0.
1 APR 1800	19	.00	.00	.00	1.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.00	.00	.00	1.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.00	.00	.00	0.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.00	.00	.00	0.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.00	.00	.00	0.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.00	.00	.00	0.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.00	.00	.00	0.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	0.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	0.	*	4 APR 0400	77	.00	.00	.00	0.
2 APR 0300	28	.00	.00	.00	0.	*	4 APR 0500	78	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	0.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	0.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	0.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	0.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	0.	*	4 APR 1000	83	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	0.	*	4 APR 1100	84	.00	.00	.00	0.
2 APR 1000	35	.00	.00	.00	0.	*	4 APR 1200	85	.00	.00	.00	0.
2 APR 1100	36	.00	.00	.00	0.	*	4 APR 1300	86	.00	.00	.00	0.
2 APR 1200	37	.00	.00	.00	0.	*	4 APR 1400	87	.00	.00	.00	0.
2 APR 1300	38	.00	.00	.00	0.	*	4 APR 1500	88	.00	.00	.00	0.
2 APR 1400	39	.00	.00	.00	0.	*	4 APR 1600	89	.00	.00	.00	0.
2 APR 1500	40	.00	.00	.00	0.	*	4 APR 1700	90	.00	.00	.00	0.
2 APR 1600	41	.00	.00	.00	0.	*	4 APR 1800	91	.00	.00	.00	0.
2 APR 1700	42	.00	.00	.00	0.	*	4 APR 1900	92	.00	.00	.00	0.
2 APR 1800	43	.00	.00	.00	0.	*	4 APR 2000	93	.00	.00	.00	0.
2 APR 1900	44	.00	.00	.00	0.	*	4 APR 2100	94	.00	.00	.00	0.
2 APR 2000	45	.00	.00	.00	0.	*	4 APR 2200	95	.00	.00	.00	0.
2 APR 2100	46	.00	.00	.00	0.	*	4 APR 2300	96	.00	.00	.00	0.
2 APR 2200	47	.00	.00	.00	0.	*	5 APR 0000	97	.00	.00	.00	0.
2 APR 2300	48	.00	.00	.00	0.	*	5 APR 0100	98	.00	.00	.00	0.
3 APR 0000	49	.00	.00	.00	0.	*	5 APR 0200	99	.00	.00	.00	0.
3 APR 0100	50	.00	.00	.00	0.	*	5 APR 0300	100	.00	.00	.00	0.
						*						

TOTAL RAINFALL = .08, TOTAL LOSS = .00, TOTAL EXCESS = .08

day1.out

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	72-HR	99.00-HR
(CFS)	(HR)			24-HR		
+	4.	14.00	3.	1.	0.	0.
		(CFS)				
		(INCHES)	.042	.076	.076	.076
		(AC-FT)	2.	3.	3.	3.
CUMULATIVE AREA =			.69 SQ MI			

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413 KK

LB

LASSELLE BASIN ROUTING

HYDROGRAPH ROUTING DATA

415 RS

STORAGE ROUTING

NSTPS 1 NUMBER OF SUBREACHES
ITYP ELEV TYPE OF INITIAL CONDITION
RSVRIC 1734.00 INITIAL CONDITION
X .00 WORKING R AND D COEFFICIENT

416 SV

STORAGE

.0 .5 1.8 4.3 9.8 29.0 47.5

417 SE

ELEVATION

1734.00 1735.00 1736.00 1737.00 1739.00 1742.00 1745.00

418 SQ

DISCHARGE

0. 20. 40. 60. 75. 235. 800.

419 SE

ELEVATION

1734.00 1736.00 1739.00 1745.00 1745.50 1746.00 1747.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.50	1.75	4.25	9.75	29.00	47.50	50.58	53.67	59.83
OUTFLOW	.00	10.00	20.00	26.67	40.00	50.00	60.00	75.00	235.00	800.00
ELEVATION	1734.00	1735.00	1736.00	1737.00	1739.00	1742.00	1745.00	1745.50	1746.00	1747.00

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 75. TO 800.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

day1.out

HYDROGRAPH AT STATION LB

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
1	APR	0000	1	0.	.0	1734.0	*	2	APR	1000	35	0.	.0	1734.0	*	3	APR	2000	69	0.	.0	1734.0
1	APR	0100	2	0.	.0	1734.0	*	2	APR	1100	36	0.	.0	1734.0	*	3	APR	2100	70	0.	.0	1734.0
1	APR	0200	3	0.	.0	1734.0	*	2	APR	1200	37	0.	.0	1734.0	*	3	APR	2200	71	0.	.0	1734.0
1	APR	0300	4	0.	.0	1734.0	*	2	APR	1300	38	0.	.0	1734.0	*	3	APR	2300	72	0.	.0	1734.0
1	APR	0400	5	1.	.0	1734.1	*	2	APR	1400	39	0.	.0	1734.0	*	4	APR	0000	73	0.	.0	1734.0
1	APR	0500	6	1.	.0	1734.1	*	2	APR	1500	40	0.	.0	1734.0	*	4	APR	0100	74	0.	.0	1734.0
1	APR	0600	7	1.	.0	1734.1	*	2	APR	1600	41	0.	.0	1734.0	*	4	APR	0200	75	0.	.0	1734.0
1	APR	0700	8	1.	.0	1734.1	*	2	APR	1700	42	0.	.0	1734.0	*	4	APR	0300	76	0.	.0	1734.0
1	APR	0800	9	1.	.1	1734.1	*	2	APR	1800	43	0.	.0	1734.0	*	4	APR	0400	77	0.	.0	1734.0
1	APR	0900	10	1.	.1	1734.1	*	2	APR	1900	44	0.	.0	1734.0	*	4	APR	0500	78	0.	.0	1734.0
1	APR	1000	11	2.	.1	1734.2	*	2	APR	2000	45	0.	.0	1734.0	*	4	APR	0600	79	0.	.0	1734.0
1	APR	1100	12	2.	.1	1734.2	*	2	APR	2100	46	0.	.0	1734.0	*	4	APR	0700	80	0.	.0	1734.0
1	APR	1200	13	3.	.1	1734.3	*	2	APR	2200	47	0.	.0	1734.0	*	4	APR	0800	81	0.	.0	1734.0
1	APR	1300	14	3.	.1	1734.3	*	2	APR	2300	48	0.	.0	1734.0	*	4	APR	0900	82	0.	.0	1734.0
1	APR	1400	15	3.	.2	1734.3	*	3	APR	0000	49	0.	.0	1734.0	*	4	APR	1000	83	0.	.0	1734.0
1	APR	1500	16	4.	.2	1734.4	*	3	APR	0100	50	0.	.0	1734.0	*	4	APR	1100	84	0.	.0	1734.0
1	APR	1600	17	4.	.2	1734.4	*	3	APR	0200	51	0.	.0	1734.0	*	4	APR	1200	85	0.	.0	1734.0
1	APR	1700	18	3.	.2	1734.3	*	3	APR	0300	52	0.	.0	1734.0	*	4	APR	1300	86	0.	.0	1734.0
1	APR	1800	19	2.	.1	1734.2	*	3	APR	0400	53	0.	.0	1734.0	*	4	APR	1400	87	0.	.0	1734.0
1	APR	1900	20	1.	.0	1734.1	*	3	APR	0500	54	0.	.0	1734.0	*	4	APR	1500	88	0.	.0	1734.0
1	APR	2000	21	1.	.0	1734.1	*	3	APR	0600	55	0.	.0	1734.0	*	4	APR	1600	89	0.	.0	1734.0
1	APR	2100	22	0.	.0	1734.0	*	3	APR	0700	56	0.	.0	1734.0	*	4	APR	1700	90	0.	.0	1734.0
1	APR	2200	23	0.	.0	1734.0	*	3	APR	0800	57	0.	.0	1734.0	*	4	APR	1800	91	0.	.0	1734.0
1	APR	2300	24	0.	.0	1734.0	*	3	APR	0900	58	0.	.0	1734.0	*	4	APR	1900	92	0.	.0	1734.0
2	APR	0000	25	0.	.0	1734.0	*	3	APR	1000	59	0.	.0	1734.0	*	4	APR	2000	93	0.	.0	1734.0
2	APR	0100	26	0.	.0	1734.0	*	3	APR	1100	60	0.	.0	1734.0	*	4	APR	2100	94	0.	.0	1734.0
2	APR	0200	27	0.	.0	1734.0	*	3	APR	1200	61	0.	.0	1734.0	*	4	APR	2200	95	0.	.0	1734.0
2	APR	0300	28	0.	.0	1734.0	*	3	APR	1300	62	0.	.0	1734.0	*	4	APR	2300	96	0.	.0	1734.0
2	APR	0400	29	0.	.0	1734.0	*	3	APR	1400	63	0.	.0	1734.0	*	5	APR	0000	97	0.	.0	1734.0
2	APR	0500	30	0.	.0	1734.0	*	3	APR	1500	64	0.	.0	1734.0	*	5	APR	0100	98	0.	.0	1734.0
2	APR	0600	31	0.	.0	1734.0	*	3	APR	1600	65	0.	.0	1734.0	*	5	APR	0200	99	0.	.0	1734.0
2	APR	0700	32	0.	.0	1734.0	*	3	APR	1700	66	0.	.0	1734.0	*	5	APR	0300	100	0.	.0	1734.0
2	APR	0800	33	0.	.0	1734.0	*	3	APR	1800	67	0.	.0	1734.0	*							
2	APR	0900	34	0.	.0	1734.0	*	3	APR	1900	68	0.	.0	1734.0	*							

PEAK FLOW		TIME	MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
+	4.	15.00	3.	1.	0.	0.
		(INCHES)	.041	.076	.076	.076
		(AC-FT)	2.	3.	3.	3.

day1.out

PEAK STORAGE	TIME	6-HR	MAXIMUM AVERAGE STORAGE	24-HR	72-HR	99.00-HR
+	(AC-FT)	(HR)				
	0.	15.00	0.	0.	0.	0.

PEAK STAGE	TIME	6-HR	MAXIMUM AVERAGE STAGE	24-HR	72-HR	99.00-HR
+	(FEET)	(HR)				
	1734.37	15.00	1734.30	1734.14	1734.05	1734.03

CUMULATIVE AREA = .69 SQ MI

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 *
 420 KK NA *
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TRIBUTARY AREA FOR NASON BASIN

424 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 30 TIME INTERVAL IN MINUTES
 JXDATE 1APR92 STARTING DATE
 JXTIME 10 STARTING TIME
 UHG FROM AVERAGE FULLERTON - SAN JOSE S-GRAPH

SUBBASIN RUNOFF DATA

422 BA SUBBASIN CHARACTERISTICS
 TAREA 4.33 SUBBASIN AREA

PRECIPITATION DATA

423 PB STORM .09 BASIN TOTAL PRECIPITATION

425 PI INCREMENTAL PRECIPITATION PATTERN

.00	.01	.01	.02	.02	.03	.03	.04	.05	.07
.08	.07	.08	.11	.11	.10	.07	.01	.02	.01
.01	.01	.01	.01	.01	.00				

430 LU UNIFORM LOSS RATE
 STRTL .00 INITIAL LOSS
 CNSTL .00 UNIFORM LOSS RATE
 RTIMP .00 PERCENT IMPERVIOUS AREA

430 UI INPUT UNITGRAPH, 5 ORDINATES, VOLUME = 1.00

1923.0 641.0 175.0 27.0 26.0 day1.out

HYDROGRAPH AT STATION NA

								*								
DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	0.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	2.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	3.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	4.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	5.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.00	.00	.00	6.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.00	.00	.00	7.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.00	.00	.00	9.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.00	.00	.00	11.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.01	.00	.01	14.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.01	.00	.01	17.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	17.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.01	.00	.01	18.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.01	.00	.01	24.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.01	.00	.01	26.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.01	.00	.01	25.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.01	.00	.01	19.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	8.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	5.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	4.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	3.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	3.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	2.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	2.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	2.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	1.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	0.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	0.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	0.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	0.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	0.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	0.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	0.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	0.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	0.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	0.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	0.	*	4	APR	1500	88	.00	.00	.00	0.
2	APR	1400	39	.00	.00	.00	0.	*	4	APR	1600	89	.00	.00	.00	0.
2	APR	1500	40	.00	.00	.00	0.	*	4	APR	1700	90	.00	.00	.00	0.

							day1.out						
2 APR 1600	41	.00	.00	.00	0.	*	4 APR 1800	91	.00	.00	.00	0.	
2 APR 1700	42	.00	.00	.00	0.	*	4 APR 1900	92	.00	.00	.00	0.	
2 APR 1800	43	.00	.00	.00	0.	*	4 APR 2000	93	.00	.00	.00	0.	
2 APR 1900	44	.00	.00	.00	0.	*	4 APR 2100	94	.00	.00	.00	0.	
2 APR 2000	45	.00	.00	.00	0.	*	4 APR 2200	95	.00	.00	.00	0.	
2 APR 2100	46	.00	.00	.00	0.	*	4 APR 2300	96	.00	.00	.00	0.	
2 APR 2200	47	.00	.00	.00	0.	*	5 APR 0000	97	.00	.00	.00	0.	
2 APR 2300	48	.00	.00	.00	0.	*	5 APR 0100	98	.00	.00	.00	0.	
3 APR 0000	49	.00	.00	.00	0.	*	5 APR 0200	99	.00	.00	.00	0.	
3 APR 0100	50	.00	.00	.00	0.	*	5 APR 0300	100	.00	.00	.00	0.	

TOTAL RAINFALL = .09, TOTAL LOSS = .00, TOTAL EXCESS = .09

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	26.	15.00	21.	10.	3.	2.
		(INCHES)	.046	.084	.085	.085
		(AC-FT)	11.	19.	20.	20.
CUMULATIVE AREA =			4.33 SQ MI			

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 433 KK * NB *
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NASON BASIN ROUTING

HYDROGRAPH ROUTING DATA

435 RS	STORAGE ROUTING									
	NSTPS	1	NUMBER OF SUBREACHES							
	ITYP	ELEV	TYPE OF INITIAL CONDITION							
	RSVRIC	58.00	INITIAL CONDITION							
	X	.00	WORKING R AND D COEFFICIENT							
436 SV	STORAGE	.0	5.1	21.8	47.6	357.0				
437 SE	ELEVATION	58.00	60.00	62.00	64.00	84.00				
438 SQ	DISCHARGE	0.	8.	30.	65.	113.	173.	239.	270.	296.
		342.	363.	383.	419.	453.	484.	513.	541.	568.
										593.

day1.out

440 SE	ELEVATION	58.00	58.80	59.70	60.60	61.60	62.60	63.90	65.00	66.00	67.00
		68.00	69.00	70.00	72.00	74.00	76.00	78.00	80.00	82.00	84.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	2.04	4.34	5.10	10.11	18.46	21.80	29.54	46.31	47.60
OUTFLOW	.00	7.60	29.80	41.60	65.20	113.00	137.00	173.00	239.00	241.82
ELEVATION	58.00	58.80	59.70	60.00	60.60	61.60	62.00	62.60	63.90	64.00

STORAGE	63.07	78.54	94.01	109.48	124.95	140.42	171.36	202.30	233.24	264.18
OUTFLOW	270.00	296.40	320.70	342.00	363.00	382.70	419.20	452.80	484.00	513.40
ELEVATION	65.00	66.00	67.00	68.00	69.00	70.00	72.00	74.00	76.00	78.00

STORAGE	295.12	326.06	357.00
OUTFLOW	541.20	567.60	592.80
ELEVATION	80.00	82.00	84.00

HYDROGRAPH AT STATION NB

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
							*								*							
1	APR	0000	1	0.	.0	58.0	*	2	APR	1000	35	0.	.1	58.0	*	3	APR	2000	69	0.	.0	58.0
1	APR	0100	2	0.	.0	58.0	*	2	APR	1100	36	0.	.1	58.0	*	3	APR	2100	70	0.	.0	58.0
1	APR	0200	3	0.	.1	58.0	*	2	APR	1200	37	0.	.0	58.0	*	3	APR	2200	71	0.	.0	58.0
1	APR	0300	4	1.	.2	58.1	*	2	APR	1300	38	0.	.0	58.0	*	3	APR	2300	72	0.	.0	58.0
1	APR	0400	5	2.	.4	58.2	*	2	APR	1400	39	0.	.0	58.0	*	4	APR	0000	73	0.	.0	58.0
1	APR	0500	6	2.	.6	58.2	*	2	APR	1500	40	0.	.0	58.0	*	4	APR	0100	74	0.	.0	58.0
1	APR	0600	7	3.	.9	58.3	*	2	APR	1600	41	0.	.0	58.0	*	4	APR	0200	75	0.	.0	58.0
1	APR	0700	8	4.	1.1	58.4	*	2	APR	1700	42	0.	.0	58.0	*	4	APR	0300	76	0.	.0	58.0
1	APR	0800	9	5.	1.4	58.5	*	2	APR	1800	43	0.	.0	58.0	*	4	APR	0400	77	0.	.0	58.0
1	APR	0900	10	6.	1.7	58.7	*	2	APR	1900	44	0.	.0	58.0	*	4	APR	0500	78	0.	.0	58.0
1	APR	1000	11	8.	2.1	58.8	*	2	APR	2000	45	0.	.0	58.0	*	4	APR	0600	79	0.	.0	58.0
1	APR	1100	12	13.	2.6	59.0	*	2	APR	2100	46	0.	.0	58.0	*	4	APR	0700	80	0.	.0	58.0
1	APR	1200	13	15.	2.8	59.1	*	2	APR	2200	47	0.	.0	58.0	*	4	APR	0800	81	0.	.0	58.0
1	APR	1300	14	17.	3.0	59.2	*	2	APR	2300	48	0.	.0	58.0	*	4	APR	0900	82	0.	.0	58.0
1	APR	1400	15	19.	3.2	59.3	*	3	APR	0000	49	0.	.0	58.0	*	4	APR	1000	83	0.	.0	58.0
1	APR	1500	16	22.	3.6	59.4	*	3	APR	0100	50	0.	.0	58.0	*	4	APR	1100	84	0.	.0	58.0
1	APR	1600	17	24.	3.7	59.5	*	3	APR	0200	51	0.	.0	58.0	*	4	APR	1200	85	0.	.0	58.0
1	APR	1700	18	23.	3.6	59.4	*	3	APR	0300	52	0.	.0	58.0	*	4	APR	1300	86	0.	.0	58.0
1	APR	1800	19	18.	3.1	59.2	*	3	APR	0400	53	0.	.0	58.0	*	4	APR	1400	87	0.	.0	58.0
1	APR	1900	20	12.	2.4	59.0	*	3	APR	0500	54	0.	.0	58.0	*	4	APR	1500	88	0.	.0	58.0
1	APR	2000	21	8.	2.0	58.8	*	3	APR	0600	55	0.	.0	58.0	*	4	APR	1600	89	0.	.0	58.0
1	APR	2100	22	6.	1.7	58.7	*	3	APR	0700	56	0.	.0	58.0	*	4	APR	1700	90	0.	.0	58.0
1	APR	2200	23	5.	1.5	58.6	*	3	APR	0800	57	0.	.0	58.0	*	4	APR	1800	91	0.	.0	58.0
1	APR	2300	24	5.	1.3	58.5	*	3	APR	0900	58	0.	.0	58.0	*	4	APR	1900	92	0.	.0	58.0

										day1.out											
2 APR 0000	25	4.	1.1	58.4	*	3 APR 1000	59	0.	.0	58.0	*	4 APR 2000	93	0.	.0	58.0					
2 APR 0100	26	4.	.9	58.4	*	3 APR 1100	60	0.	.0	58.0	*	4 APR 2100	94	0.	.0	58.0					
2 APR 0200	27	3.	.8	58.3	*	3 APR 1200	61	0.	.0	58.0	*	4 APR 2200	95	0.	.0	58.0					
2 APR 0300	28	2.	.6	58.2	*	3 APR 1300	62	0.	.0	58.0	*	4 APR 2300	96	0.	.0	58.0					
2 APR 0400	29	2.	.4	58.2	*	3 APR 1400	63	0.	.0	58.0	*	5 APR 0000	97	0.	.0	58.0					
2 APR 0500	30	1.	.3	58.1	*	3 APR 1500	64	0.	.0	58.0	*	5 APR 0100	98	0.	.0	58.0					
2 APR 0600	31	1.	.2	58.1	*	3 APR 1600	65	0.	.0	58.0	*	5 APR 0200	99	0.	.0	58.0					
2 APR 0700	32	1.	.2	58.1	*	3 APR 1700	66	0.	.0	58.0	*	5 APR 0300	100	0.	.0	58.0					
2 APR 0800	33	0.	.1	58.1	*	3 APR 1800	67	0.	.0	58.0	*										
2 APR 0900	34	0.	.1	58.0	*	3 APR 1900	68	0.	.0	58.0	*										

PEAK FLOW		TIME	MAXIMUM AVERAGE FLOW			
+	(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
+	24.	16.00	(CFS)			
			20.	10.	3.	2.
			(INCHES)	.044	.082	.085
			(AC-FT)	10.	19.	20.

PEAK STORAGE		TIME	MAXIMUM AVERAGE STORAGE			
+	(AC-FT)	(HR)	6-HR	24-HR	72-HR	99.00-HR
+	4.	16.00	3.	2.	1.	0.

PEAK STAGE		TIME	MAXIMUM AVERAGE STAGE			
+	(FEET)	(HR)	6-HR	24-HR	72-HR	99.00-HR
+	59.46	16.00	59.31	58.75	58.26	58.19

CUMULATIVE AREA = 4.33 SQ MI

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442 KK *****
 * *
 * SA *
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AREA TRIBUTARY TO SINCLAIR BASIN

446 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 30 TIME INTERVAL IN MINUTES
 JXDATE 1APR92 STARTING DATE
 JXTIME 10 STARTING TIME
 UHG FROM AVERAGE FULLERTON - SAN JOSE S-GRAPH
 SINCLAIR BASIN ROUTING REMOVED TO REFLECT EXISTING CONDITIONS

JCC 21 AUG 2009

SUBBASIN RUNOFF DATA

444 BA SUBBASIN CHARACTERISTICS
TAREA 4.34 SUBBASIN AREA

PRECIPITATION DATA

445 PB STORM .07 BASIN TOTAL PRECIPITATION

447 PI INCREMENTAL PRECIPITATION PATTERN

.00	.01	.01	.02	.02	.03	.03	.04	.05	.07
.08	.07	.08	.11	.11	.10	.07	.01	.02	.01
.01	.01	.01	.01	.01	.00				

452 LU UNIFORM LOSS RATE

STRTL	.00	INITIAL LOSS
CNSTL	.00	UNIFORM LOSS RATE
RTIMP	.00	PERCENT IMPERVIOUS AREA

452 UI INPUT UNITGRAPH, 5 ORDINATES, VOLUME = 1.00
1969.0 624.0 156.0 28.0 22.0

HYDROGRAPH AT STATION SA

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	0.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	2.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	2.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	3.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	4.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.00	.00	.00	5.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.00	.00	.00	6.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.00	.00	.00	7.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.00	.00	.00	9.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.00	.00	.00	11.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.01	.00	.01	14.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.00	.00	.00	14.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.01	.00	.01	14.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.01	.00	.01	19.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.01	.00	.01	20.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.01	.00	.01	19.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.00	.00	.00	15.	*	3	APR	1900	68	.00	.00	.00	0.

						day1.out						
1 APR 1800	19	.00	.00	.00	6.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.00	.00	.00	4.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.00	.00	.00	3.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.00	.00	.00	2.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.00	.00	.00	2.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.00	.00	.00	2.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.00	.00	.00	2.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	1.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	0.	*	4 APR 0400	77	.00	.00	.00	0.
2 APR 0300	28	.00	.00	.00	0.	*	4 APR 0500	78	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	0.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	0.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	0.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	0.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	0.	*	4 APR 1000	83	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	0.	*	4 APR 1100	84	.00	.00	.00	0.
2 APR 1000	35	.00	.00	.00	0.	*	4 APR 1200	85	.00	.00	.00	0.
2 APR 1100	36	.00	.00	.00	0.	*	4 APR 1300	86	.00	.00	.00	0.
2 APR 1200	37	.00	.00	.00	0.	*	4 APR 1400	87	.00	.00	.00	0.
2 APR 1300	38	.00	.00	.00	0.	*	4 APR 1500	88	.00	.00	.00	0.
2 APR 1400	39	.00	.00	.00	0.	*	4 APR 1600	89	.00	.00	.00	0.
2 APR 1500	40	.00	.00	.00	0.	*	4 APR 1700	90	.00	.00	.00	0.
2 APR 1600	41	.00	.00	.00	0.	*	4 APR 1800	91	.00	.00	.00	0.
2 APR 1700	42	.00	.00	.00	0.	*	4 APR 1900	92	.00	.00	.00	0.
2 APR 1800	43	.00	.00	.00	0.	*	4 APR 2000	93	.00	.00	.00	0.
2 APR 1900	44	.00	.00	.00	0.	*	4 APR 2100	94	.00	.00	.00	0.
2 APR 2000	45	.00	.00	.00	0.	*	4 APR 2200	95	.00	.00	.00	0.
2 APR 2100	46	.00	.00	.00	0.	*	4 APR 2300	96	.00	.00	.00	0.
2 APR 2200	47	.00	.00	.00	0.	*	5 APR 0000	97	.00	.00	.00	0.
2 APR 2300	48	.00	.00	.00	0.	*	5 APR 0100	98	.00	.00	.00	0.
3 APR 0000	49	.00	.00	.00	0.	*	5 APR 0200	99	.00	.00	.00	0.
3 APR 0100	50	.00	.00	.00	0.	*	5 APR 0300	100	.00	.00	.00	0.

TOTAL RAINFALL = .07, TOTAL LOSS = .00, TOTAL EXCESS = .07

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
+	(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
+	20.	15.00	(CFS)			
			17.	8.	3.	2.
		(INCHES)	.036	.066	.067	.067
		(AC-FT)	8.	15.	15.	15.
CUMULATIVE AREA =			4.34 SQ MI			

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day1.out

* *
457 KK * CP1 *
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COMBINE ALL SUNNY/MOR BASIN OUTFLOWS

459 HC HYDROGRAPH COMBINATION
 ICOMP 4 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION CP1
SUM OF 4 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1	APR	0000	1	0.	*	2	APR	0100	26	7.	*	3	APR	0200	51	0.	*	4	APR	0300	76	0.
1	APR	0100	2	1.	*	2	APR	0200	27	7.	*	3	APR	0300	52	0.	*	4	APR	0400	77	0.
1	APR	0200	3	4.	*	2	APR	0300	28	2.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.
1	APR	0300	4	8.	*	2	APR	0400	29	3.	*	3	APR	0500	54	0.	*	4	APR	0600	79	0.
1	APR	0400	5	11.	*	2	APR	0500	30	1.	*	3	APR	0600	55	0.	*	4	APR	0700	80	0.
1	APR	0500	6	15.	*	2	APR	0600	31	1.	*	3	APR	0700	56	0.	*	4	APR	0800	81	0.
1	APR	0600	7	19.	*	2	APR	0700	32	1.	*	3	APR	0800	57	0.	*	4	APR	0900	82	0.
1	APR	0700	8	23.	*	2	APR	0800	33	0.	*	3	APR	0900	58	0.	*	4	APR	1000	83	0.
1	APR	0800	9	27.	*	2	APR	0900	34	0.	*	3	APR	1000	59	0.	*	4	APR	1100	84	0.
1	APR	0900	10	32.	*	2	APR	1000	35	0.	*	3	APR	1100	60	0.	*	4	APR	1200	85	0.
1	APR	1000	11	39.	*	2	APR	1100	36	0.	*	3	APR	1200	61	0.	*	4	APR	1300	86	0.
1	APR	1100	12	49.	*	2	APR	1200	37	0.	*	3	APR	1300	62	0.	*	4	APR	1400	87	0.
1	APR	1200	13	55.	*	2	APR	1300	38	0.	*	3	APR	1400	63	0.	*	4	APR	1500	88	0.
1	APR	1300	14	60.	*	2	APR	1400	39	0.	*	3	APR	1500	64	0.	*	4	APR	1600	89	0.
1	APR	1400	15	72.	*	2	APR	1500	40	0.	*	3	APR	1600	65	0.	*	4	APR	1700	90	0.
1	APR	1500	16	82.	*	2	APR	1600	41	0.	*	3	APR	1700	66	0.	*	4	APR	1800	91	0.
1	APR	1600	17	86.	*	2	APR	1700	42	0.	*	3	APR	1800	67	0.	*	4	APR	1900	92	0.
1	APR	1700	18	82.	*	2	APR	1800	43	0.	*	3	APR	1900	68	0.	*	4	APR	2000	93	0.
1	APR	1800	19	64.	*	2	APR	1900	44	0.	*	3	APR	2000	69	0.	*	4	APR	2100	94	0.
1	APR	1900	20	48.	*	2	APR	2000	45	0.	*	3	APR	2100	70	0.	*	4	APR	2200	95	0.
1	APR	2000	21	36.	*	2	APR	2100	46	0.	*	3	APR	2200	71	0.	*	4	APR	2300	96	0.
1	APR	2100	22	29.	*	2	APR	2200	47	0.	*	3	APR	2300	72	0.	*	5	APR	0000	97	0.
1	APR	2200	23	24.	*	2	APR	2300	48	0.	*	4	APR	0000	73	0.	*	5	APR	0100	98	0.
1	APR	2300	24	8.	*	3	APR	0000	49	0.	*	4	APR	0100	74	0.	*	5	APR	0200	99	0.
2	APR	0000	25	13.	*	3	APR	0100	50	0.	*	4	APR	0200	75	0.	*	5	APR	0300	100	0.

PEAK FLOW TIME MAXIMUM AVERAGE FLOW
 6-HR 24-HR 72-HR 99.00-HR

day1.out

+	(CFS)	(HR)	(CFS)				
+	86.	16.00	74.	37.	13.	9.	
			(INCHES)	.035	.071	.072	.072
			(AC-FT)	37.	74.	75.	75.

CUMULATIVE AREA = 19.56 SQ MI

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 460 KK * CP4A *
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TOTAL WATERSHED ABOVE CP4 EXCLUDING BASIN AREAS

464 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 30 TIME INTERVAL IN MINUTES
 JXDATE 1APR92 STARTING DATE
 JXTIME 10 STARTING TIME
 UHG FROM VALLEY S-GRAPH

SUBBASIN RUNOFF DATA

462 BA SUBBASIN CHARACTERISTICS
 TAREA 62.87 SUBBASIN AREA

PRECIPITATION DATA

463 PB STORM .06 BASIN TOTAL PRECIPITATION

465 PI INCREMENTAL PRECIPITATION PATTERN

.00	.01	.01	.02	.02	.03	.03	.04	.05	.07
.08	.07	.08	.11	.11	.10	.07	.01	.02	.01
.01	.01	.01	.01	.01	.00				

470 LU UNIFORM LOSS RATE
 STRTL .00 INITIAL LOSS
 CNSTL .00 UNIFORM LOSS RATE
 RTIMP .00 PERCENT IMPERVIOUS AREA

470 UI INPUT UNITGRAPH, 11 ORDINATES, VOLUME = 1.00

13598.0	14837.0	4768.0	2487.0	1625.0	1087.0	788.0	579.0	300.0	300.0
182.0									

day1.out

HYDROGRAPH AT STATION CP4A

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	1.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	12.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	23.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	32.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	41.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.00	.00	.00	52.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.00	.00	.00	62.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.00	.00	.00	75.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.00	.00	.00	94.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.00	.00	.00	121.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.00	.00	.00	153.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.00	.00	.00	167.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.00	.00	.00	174.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.01	.00	.01	211.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.01	.00	.01	244.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.01	.00	.01	247.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.00	.00	.00	222.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	149.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	93.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	71.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	55.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	45.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	38.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	32.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	26.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	16.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	7.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	4.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	3.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	2.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	1.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	1.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	0.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	0.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	0.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	0.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	0.	*	4	APR	1500	88	.00	.00	.00	0.
2	APR	1400	39	.00	.00	.00	0.	*	4	APR	1600	89	.00	.00	.00	0.
2	APR	1500	40	.00	.00	.00	0.	*	4	APR	1700	90	.00	.00	.00	0.
2	APR	1600	41	.00	.00	.00	0.	*	4	APR	1800	91	.00	.00	.00	0.
2	APR	1700	42	.00	.00	.00	0.	*	4	APR	1900	92	.00	.00	.00	0.
2	APR	1800	43	.00	.00	.00	0.	*	4	APR	2000	93	.00	.00	.00	0.
2	APR	1900	44	.00	.00	.00	0.	*	4	APR	2100	94	.00	.00	.00	0.

							day1.out						
2 APR 2000	45	.00	.00	.00	0.	*	4 APR 2200	95	.00	.00	.00	0.	
2 APR 2100	46	.00	.00	.00	0.	*	4 APR 2300	96	.00	.00	.00	0.	
2 APR 2200	47	.00	.00	.00	0.	*	5 APR 0000	97	.00	.00	.00	0.	
2 APR 2300	48	.00	.00	.00	0.	*	5 APR 0100	98	.00	.00	.00	0.	
3 APR 0000	49	.00	.00	.00	0.	*	5 APR 0200	99	.00	.00	.00	0.	
3 APR 0100	50	.00	.00	.00	0.	*	5 APR 0300	100	.00	.00	.00	0.	

TOTAL RAINFALL = .06, TOTAL LOSS = .00, TOTAL EXCESS = .06

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
+	247.	16.00	209.	102.	34.	25.
		(CFS)				
		(INCHES)	.031	.060	.061	.061
		(AC-FT)	104.	202.	204.	204.

CUMULATIVE AREA = 62.87 SQ MI

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 *
 474 KK * SEATA *
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AREA TRIBUTARY TO SEATON BASIN

478 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 30 TIME INTERVAL IN MINUTES
 JXDATE 1APR92 STARTING DATE
 JXTIME 10 STARTING TIME
 UHG FROM AVERAGE FULLERTON - SAN JOSE S-GRAPH
 SEATON BASIN ROUTING REMOVED TO REFLECT EXISTING CONDITIONS
 JCC 21 AUG 2009

SUBBASIN RUNOFF DATA

476 BA SUBBASIN CHARACTERISTICS
 TAREA 3.01 SUBBASIN AREA

PRECIPITATION DATA

477 PB STORM .06 BASIN TOTAL PRECIPITATION

479 PI INCREMENTAL PRECIPITATION PATTERN

				day1.out					
.00	.01	.01	.02	.02	.03	.03	.04	.05	.07
.08	.07	.08	.11	.11	.10	.07	.01	.02	.01
.01	.01	.01	.01	.01	.00				

484 LU UNIFORM LOSS RATE
 STRTL .00 INITIAL LOSS
 CNSTL .00 UNIFORM LOSS RATE
 RTIMP .00 PERCENT IMPERVIOUS AREA

484 UI INPUT UNITGRAPH, 5 ORDINATES, VOLUME = 1.00
 1433.0 398.0 80.0 21.0 9.0

HYDROGRAPH AT STATION SEATA

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
								*								
								*								
								*								
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	0.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	1.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	2.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	2.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	3.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.00	.00	.00	3.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.00	.00	.00	4.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.00	.00	.00	5.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.00	.00	.00	6.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.00	.00	.00	8.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.01	.00	.01	9.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.00	.00	.00	9.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.01	.00	.01	10.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.01	.00	.01	13.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.01	.00	.01	14.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.01	.00	.01	13.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.00	.00	.00	10.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	4.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	3.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	2.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	2.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	1.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	1.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	1.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	1.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	0.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	0.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	0.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	0.	*	4	APR	0700	80	.00	.00	.00	0.

										day1.out				
2 APR 0600	31	.00	.00	.00	0.	*	4 APR 0800	81	.00	.00	.00	0.		
2 APR 0700	32	.00	.00	.00	0.	*	4 APR 0900	82	.00	.00	.00	0.		
2 APR 0800	33	.00	.00	.00	0.	*	4 APR 1000	83	.00	.00	.00	0.		
2 APR 0900	34	.00	.00	.00	0.	*	4 APR 1100	84	.00	.00	.00	0.		
2 APR 1000	35	.00	.00	.00	0.	*	4 APR 1200	85	.00	.00	.00	0.		
2 APR 1100	36	.00	.00	.00	0.	*	4 APR 1300	86	.00	.00	.00	0.		
2 APR 1200	37	.00	.00	.00	0.	*	4 APR 1400	87	.00	.00	.00	0.		
2 APR 1300	38	.00	.00	.00	0.	*	4 APR 1500	88	.00	.00	.00	0.		
2 APR 1400	39	.00	.00	.00	0.	*	4 APR 1600	89	.00	.00	.00	0.		
2 APR 1500	40	.00	.00	.00	0.	*	4 APR 1700	90	.00	.00	.00	0.		
2 APR 1600	41	.00	.00	.00	0.	*	4 APR 1800	91	.00	.00	.00	0.		
2 APR 1700	42	.00	.00	.00	0.	*	4 APR 1900	92	.00	.00	.00	0.		
2 APR 1800	43	.00	.00	.00	0.	*	4 APR 2000	93	.00	.00	.00	0.		
2 APR 1900	44	.00	.00	.00	0.	*	4 APR 2100	94	.00	.00	.00	0.		
2 APR 2000	45	.00	.00	.00	0.	*	4 APR 2200	95	.00	.00	.00	0.		
2 APR 2100	46	.00	.00	.00	0.	*	4 APR 2300	96	.00	.00	.00	0.		
2 APR 2200	47	.00	.00	.00	0.	*	5 APR 0000	97	.00	.00	.00	0.		
2 APR 2300	48	.00	.00	.00	0.	*	5 APR 0100	98	.00	.00	.00	0.		
3 APR 0000	49	.00	.00	.00	0.	*	5 APR 0200	99	.00	.00	.00	0.		
3 APR 0100	50	.00	.00	.00	0.	*	5 APR 0300	100	.00	.00	.00	0.		

TOTAL RAINFALL = .06, TOTAL LOSS = .00, TOTAL EXCESS = .06

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
(CFS)	(HR)	(CFS)				
+	14.	15.00	11.	5.	2.	1.
		(INCHES)	.035	.065	.065	.065
		(AC-FT)	6.	10.	10.	10.
CUMULATIVE AREA =			3.01 SQ MI			

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489 KK *****
 * *
 * CP4 *
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TOTAL HYDROGRAPH AT CP4 / NUEVO ROAD

491 HC HYDROGRAPH COMBINATION
 ICOMP 3 NUMBER OF HYDROGRAPHS TO COMBINE

day1.out

HYDROGRAPH AT STATION CP4
SUM OF 3 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1	APR	0000	1	0.	*	2	APR	0100	26	34.	*	3	APR	0200	51	0.	*	4	APR	0300	76	0.
1	APR	0100	2	2.	*	2	APR	0200	27	23.	*	3	APR	0300	52	0.	*	4	APR	0400	77	0.
1	APR	0200	3	17.	*	2	APR	0300	28	10.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.
1	APR	0300	4	33.	*	2	APR	0400	29	7.	*	3	APR	0500	54	0.	*	4	APR	0600	79	0.
1	APR	0400	5	45.	*	2	APR	0500	30	4.	*	3	APR	0600	55	0.	*	4	APR	0700	80	0.
1	APR	0500	6	59.	*	2	APR	0600	31	3.	*	3	APR	0700	56	0.	*	4	APR	0800	81	0.
1	APR	0600	7	74.	*	2	APR	0700	32	2.	*	3	APR	0800	57	0.	*	4	APR	0900	82	0.
1	APR	0700	8	89.	*	2	APR	0800	33	1.	*	3	APR	0900	58	0.	*	4	APR	1000	83	0.
1	APR	0800	9	107.	*	2	APR	0900	34	1.	*	3	APR	1000	59	0.	*	4	APR	1100	84	0.
1	APR	0900	10	131.	*	2	APR	1000	35	0.	*	3	APR	1100	60	0.	*	4	APR	1200	85	0.
1	APR	1000	11	167.	*	2	APR	1100	36	0.	*	3	APR	1200	61	0.	*	4	APR	1300	86	0.
1	APR	1100	12	211.	*	2	APR	1200	37	0.	*	3	APR	1300	62	0.	*	4	APR	1400	87	0.
1	APR	1200	13	231.	*	2	APR	1300	38	0.	*	3	APR	1400	63	0.	*	4	APR	1500	88	0.
1	APR	1300	14	244.	*	2	APR	1400	39	0.	*	3	APR	1500	64	0.	*	4	APR	1600	89	0.
1	APR	1400	15	296.	*	2	APR	1500	40	0.	*	3	APR	1600	65	0.	*	4	APR	1700	90	0.
1	APR	1500	16	339.	*	2	APR	1600	41	0.	*	3	APR	1700	66	0.	*	4	APR	1800	91	0.
1	APR	1600	17	346.	*	2	APR	1700	42	0.	*	3	APR	1800	67	0.	*	4	APR	1900	92	0.
1	APR	1700	18	314.	*	2	APR	1800	43	0.	*	3	APR	1900	68	0.	*	4	APR	2000	93	0.
1	APR	1800	19	217.	*	2	APR	1900	44	0.	*	3	APR	2000	69	0.	*	4	APR	2100	94	0.
1	APR	1900	20	144.	*	2	APR	2000	45	0.	*	3	APR	2100	70	0.	*	4	APR	2200	95	0.
1	APR	2000	21	109.	*	2	APR	2100	46	0.	*	3	APR	2200	71	0.	*	4	APR	2300	96	0.
1	APR	2100	22	86.	*	2	APR	2200	47	0.	*	3	APR	2300	72	0.	*	5	APR	0000	97	0.
1	APR	2200	23	70.	*	2	APR	2300	48	0.	*	4	APR	0000	73	0.	*	5	APR	0100	98	0.
1	APR	2300	24	48.	*	3	APR	0000	49	0.	*	4	APR	0100	74	0.	*	5	APR	0200	99	0.
2	APR	0000	25	46.	*	3	APR	0100	50	0.	*	4	APR	0200	75	0.	*	5	APR	0300	100	0.

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR	
+	(CFS)	(HR)					
+	346.	16.00	(CFS)	294.	144.	49.	35.
			(INCHES)	.032	.063	.064	.064
			(AC-FT)	146.	286.	290.	290.

CUMULATIVE AREA = 85.44 SQ MI

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day1.out

*
492 KK *
* COMB *
* *

COMBINED PERRIS VALLEY WITH THE PREVIOUS HYDROGRAPHS

494 HC HYDROGRAPH COMBINATION
 ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION COMB
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1	APR	0000	1	0.	*	2	APR	0100	26	87.	*	3	APR	0200	51	55.	*	4	APR	0300	76	60.
1	APR	0100	2	3.	*	2	APR	0200	27	75.	*	3	APR	0300	52	54.	*	4	APR	0400	77	62.
1	APR	0200	3	22.	*	2	APR	0300	28	61.	*	3	APR	0400	53	53.	*	4	APR	0500	78	64.
1	APR	0300	4	42.	*	2	APR	0400	29	58.	*	3	APR	0500	54	52.	*	4	APR	0600	79	65.
1	APR	0400	5	59.	*	2	APR	0500	30	56.	*	3	APR	0600	55	52.	*	4	APR	0700	80	67.
1	APR	0500	6	77.	*	2	APR	0600	31	56.	*	3	APR	0700	56	51.	*	4	APR	0800	81	69.
1	APR	0600	7	97.	*	2	APR	0700	32	56.	*	3	APR	0800	57	51.	*	4	APR	0900	82	70.
1	APR	0700	8	116.	*	2	APR	0800	33	57.	*	3	APR	0900	58	50.	*	4	APR	1000	83	72.
1	APR	0800	9	141.	*	2	APR	0900	34	58.	*	3	APR	1000	59	50.	*	4	APR	1100	84	74.
1	APR	0900	10	174.	*	2	APR	1000	35	59.	*	3	APR	1100	60	49.	*	4	APR	1200	85	76.
1	APR	1000	11	222.	*	2	APR	1100	36	59.	*	3	APR	1200	61	49.	*	4	APR	1300	86	78.
1	APR	1100	12	279.	*	2	APR	1200	37	60.	*	3	APR	1300	62	49.	*	4	APR	1400	87	80.
1	APR	1200	13	308.	*	2	APR	1300	38	60.	*	3	APR	1400	63	49.	*	4	APR	1500	88	82.
1	APR	1300	14	327.	*	2	APR	1400	39	61.	*	3	APR	1500	64	50.	*	4	APR	1600	89	84.
1	APR	1400	15	397.	*	2	APR	1500	40	61.	*	3	APR	1600	65	50.	*	4	APR	1700	90	86.
1	APR	1500	16	456.	*	2	APR	1600	41	61.	*	3	APR	1700	66	50.	*	4	APR	1800	91	88.
1	APR	1600	17	467.	*	2	APR	1700	42	61.	*	3	APR	1800	67	51.	*	4	APR	1900	92	90.
1	APR	1700	18	426.	*	2	APR	1800	43	60.	*	3	APR	1900	68	52.	*	4	APR	2000	93	92.
1	APR	1800	19	304.	*	2	APR	1900	44	60.	*	3	APR	2000	69	52.	*	4	APR	2100	94	94.
1	APR	1900	20	211.	*	2	APR	2000	45	60.	*	3	APR	2100	70	53.	*	4	APR	2200	95	96.
1	APR	2000	21	169.	*	2	APR	2100	46	59.	*	3	APR	2200	71	54.	*	4	APR	2300	96	98.
1	APR	2100	22	142.	*	2	APR	2200	47	58.	*	3	APR	2300	72	55.	*	5	APR	0000	97	100.
1	APR	2200	23	125.	*	2	APR	2300	48	57.	*	4	APR	0000	73	56.	*	5	APR	0100	98	102.
1	APR	2300	24	102.	*	3	APR	0000	49	57.	*	4	APR	0100	74	58.	*	5	APR	0200	99	104.
2	APR	0000	25	101.	*	3	APR	0100	50	56.	*	4	APR	0200	75	59.	*	5	APR	0300	100	106.

PEAK FLOW TIME MAXIMUM AVERAGE FLOW

			6-HR	24-HR	72-HR	day1.out 99.00-HR
+	(CFS)	(HR)				
+	467.	16.00				
		(CFS)	397.	205.	105.	97.
		(INCHES)	.007	.014	.021	.027
		(AC-FT)	197.	407.	627.	793.

CUMULATIVE AREA = 549.92 SQ MI

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 * *
 495 KK 15B * ROMOLAND SUB-AREA (B-SYSTEM)
 * *

COMBINE DRAINAGE AREA FOR LINE B AT THE UPSTREAM OF I-215
 PER CDJ. HYDROLOGY INFO. WERE TAKEN FROM MDP BACKUPS
 UHG 30%Foothill

501 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 15 TIME INTERVAL IN MINUTES
 JXDATE 1APR92 STARTING DATE
 JXTIME 15 STARTING TIME
 UHG FROM AVERAGE FULLERTON - SAN JOSE S-GRAPH

SUBBASIN RUNOFF DATA

499 BA SUBBASIN CHARACTERISTICS
 TAREA 4.27 SUBBASIN AREA
 SNAP .00 NORMAL ANNUAL PRECIPITATION
 RATIO .30 RATIO OF HYDROGRAPH

PRECIPITATION DATA

500 PB STORM .07 BASIN TOTAL PRECIPITATION

502 PI INCREMENTAL PRECIPITATION PATTERN

.00	.01	.01	.02	.02	.03	.03	.04	.05	.07
.08	.07	.08	.12	.11	.10	.06	.02	.02	.01
.01	.01	.01	.01	.01	.00				

512 LU UNIFORM LOSS RATE
 STRTL .00 INITIAL LOSS
 CNSTL .00 UNIFORM LOSS RATE
 RTIMP .00 PERCENT IMPERVIOUS AREA

512 UI INPUT UNITGRAPH, 5 ORDINATES, VOLUME = 1.00

1981.0 593.0 134.0 29.0 18.0 day1.out

HYDROGRAPH AT STATION 15B

								*								
DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	0.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	2.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	3.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	3.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	4.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.00	.00	.00	5.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.00	.00	.00	6.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.00	.00	.00	7.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.00	.00	.00	9.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.00	.00	.00	12.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.01	.00	.01	15.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	15.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.01	.00	.01	16.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.01	.00	.01	21.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.01	.00	.01	22.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.01	.00	.01	21.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.00	.00	.00	15.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	6.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	4.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	3.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	3.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	2.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	2.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	2.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	1.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	0.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	0.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	0.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	0.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	0.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	0.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	0.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	0.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	0.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	0.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	0.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	0.	*	4	APR	1500	88	.00	.00	.00	0.
2	APR	1400	39	.00	.00	.00	0.	*	4	APR	1600	89	.00	.00	.00	0.
2	APR	1500	40	.00	.00	.00	0.	*	4	APR	1700	90	.00	.00	.00	0.

							day1.out						
2 APR 1600	41	.00	.00	.00	0.	*	4 APR 1800	91	.00	.00	.00	0.	
2 APR 1700	42	.00	.00	.00	0.	*	4 APR 1900	92	.00	.00	.00	0.	
2 APR 1800	43	.00	.00	.00	0.	*	4 APR 2000	93	.00	.00	.00	0.	
2 APR 1900	44	.00	.00	.00	0.	*	4 APR 2100	94	.00	.00	.00	0.	
2 APR 2000	45	.00	.00	.00	0.	*	4 APR 2200	95	.00	.00	.00	0.	
2 APR 2100	46	.00	.00	.00	0.	*	4 APR 2300	96	.00	.00	.00	0.	
2 APR 2200	47	.00	.00	.00	0.	*	5 APR 0000	97	.00	.00	.00	0.	
2 APR 2300	48	.00	.00	.00	0.	*	5 APR 0100	98	.00	.00	.00	0.	
3 APR 0000	49	.00	.00	.00	0.	*	5 APR 0200	99	.00	.00	.00	0.	
3 APR 0100	50	.00	.00	.00	0.	*	5 APR 0300	100	.00	.00	.00	0.	

TOTAL RAINFALL = .07, TOTAL LOSS = .00, TOTAL EXCESS = .07

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
(CFS)	(HR)	(CFS)				
+	22.	15.00	18.	8.	3.	2.
		(INCHES)	.040	.073	.073	.073
		(AC-FT)	9.	17.	17.	17.
CUMULATIVE AREA =			4.27 SQ MI			

HYDROGRAPH MULTIPLIED BY .30

HYDROGRAPH AT STATION 15B

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1 APR 0000	1	0.	*	2 APR 0100	26	0.	*	3 APR 0200	51	0.	*	4 APR 0300	76	0.	*								
1 APR 0100	2	0.	*	2 APR 0200	27	0.	*	3 APR 0300	52	0.	*	4 APR 0400	77	0.	*								
1 APR 0200	3	1.	*	2 APR 0300	28	0.	*	3 APR 0400	53	0.	*	4 APR 0500	78	0.	*								
1 APR 0300	4	1.	*	2 APR 0400	29	0.	*	3 APR 0500	54	0.	*	4 APR 0600	79	0.	*								
1 APR 0400	5	1.	*	2 APR 0500	30	0.	*	3 APR 0600	55	0.	*	4 APR 0700	80	0.	*								
1 APR 0500	6	1.	*	2 APR 0600	31	0.	*	3 APR 0700	56	0.	*	4 APR 0800	81	0.	*								
1 APR 0600	7	2.	*	2 APR 0700	32	0.	*	3 APR 0800	57	0.	*	4 APR 0900	82	0.	*								
1 APR 0700	8	2.	*	2 APR 0800	33	0.	*	3 APR 0900	58	0.	*	4 APR 1000	83	0.	*								
1 APR 0800	9	2.	*	2 APR 0900	34	0.	*	3 APR 1000	59	0.	*	4 APR 1100	84	0.	*								
1 APR 0900	10	3.	*	2 APR 1000	35	0.	*	3 APR 1100	60	0.	*	4 APR 1200	85	0.	*								
1 APR 1000	11	4.	*	2 APR 1100	36	0.	*	3 APR 1200	61	0.	*	4 APR 1300	86	0.	*								
1 APR 1100	12	4.	*	2 APR 1200	37	0.	*	3 APR 1300	62	0.	*	4 APR 1400	87	0.	*								
1 APR 1200	13	4.	*	2 APR 1300	38	0.	*	3 APR 1400	63	0.	*	4 APR 1500	88	0.	*								
1 APR 1300	14	5.	*	2 APR 1400	39	0.	*	3 APR 1500	64	0.	*	4 APR 1600	89	0.	*								
1 APR 1400	15	6.	*	2 APR 1500	40	0.	*	3 APR 1600	65	0.	*	4 APR 1700	90	0.	*								
1 APR 1500	16	6.	*	2 APR 1600	41	0.	*	3 APR 1700	66	0.	*	4 APR 1800	91	0.	*								

day1.out														
1 APR 1600	17	6.	*	2 APR 1700	42	0.	*	3 APR 1800	67	0.	*	4 APR 1900	92	0.
1 APR 1700	18	5.	*	2 APR 1800	43	0.	*	3 APR 1900	68	0.	*	4 APR 2000	93	0.
1 APR 1800	19	2.	*	2 APR 1900	44	0.	*	3 APR 2000	69	0.	*	4 APR 2100	94	0.
1 APR 1900	20	1.	*	2 APR 2000	45	0.	*	3 APR 2100	70	0.	*	4 APR 2200	95	0.
1 APR 2000	21	1.	*	2 APR 2100	46	0.	*	3 APR 2200	71	0.	*	4 APR 2300	96	0.
1 APR 2100	22	1.	*	2 APR 2200	47	0.	*	3 APR 2300	72	0.	*	5 APR 0000	97	0.
1 APR 2200	23	1.	*	2 APR 2300	48	0.	*	4 APR 0000	73	0.	*	5 APR 0100	98	0.
1 APR 2300	24	1.	*	3 APR 0000	49	0.	*	4 APR 0100	74	0.	*	5 APR 0200	99	0.
2 APR 0000	25	1.	*	3 APR 0100	50	0.	*	4 APR 0200	75	0.	*	5 APR 0300	100	0.

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW
(CFS)	(HR)		6-HR 24-HR 72-HR 99.00-HR
6.	15.00	(CFS)	5. 2. 1. 1.
		(INCHES)	.012 .022 .022 .022
		(AC-FT)	3. 5. 5. 5.
CUMULATIVE AREA = 4.27 SQ MI			

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*****
*      *
515 KK  * 15B1 * ROMOLAND SUB-AREA (B-SYSTEM)
*      *
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      UHG 70% VALLEY

519 IN  TIME DATA FOR INPUT TIME SERIES
      JXMIN      15  TIME INTERVAL IN MINUTES
      JXDATE     1APR92  STARTING DATE
      JXTIME     15  STARTING TIME
      UHG FROM VALLEY S-GRAPH

SUBBASIN RUNOFF DATA

517 BA  SUBBASIN CHARACTERISTICS
      TAREA      4.27  SUBBASIN AREA
      SNAP       .00  NORMAL ANNUAL PRECIPITATION
      RATIO      .70  RATIO OF HYDROGRAPH

PRECIPITATION DATA

518 PB  STORM      .07  BASIN TOTAL PRECIPITATION

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520 PI day1.out
 INCREMENTAL PRECIPITATION PATTERN
 .00 .01 .01 .02 .02 .03 .03 .04 .05 .07
 .08 .07 .08 .12 .11 .10 .06 .02 .02 .01
 .01 .01 .01 .01 .01 .00

530 LU UNIFORM LOSS RATE
 STRTL .00 INITIAL LOSS
 CNSTL .00 UNIFORM LOSS RATE
 RTIMP .00 PERCENT IMPERVIOUS AREA

530 UI INPUT UNITGRAPH, 6 ORDINATES, VOLUME = 1.00
 1912.0 501.0 188.0 96.0 41.0 16.0

HYDROGRAPH AT STATION 15B1

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	0.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	2.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	2.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	3.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	4.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.00	.00	.00	5.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.00	.00	.00	6.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.00	.00	.00	7.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.00	.00	.00	9.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.00	.00	.00	12.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.01	.00	.01	14.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	15.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.01	.00	.01	15.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.01	.00	.01	21.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.01	.00	.01	21.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.01	.00	.01	20.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.00	.00	.00	15.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	7.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	5.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	3.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	3.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	2.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	2.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	2.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	1.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	0.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	0.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	0.	*	4	APR	0600	79	.00	.00	.00	0.

							day1.out						
2 APR 0500	30	.00	.00	.00	0.	*	4 APR 0700	80	.00	.00	.00	0.	
2 APR 0600	31	.00	.00	.00	0.	*	4 APR 0800	81	.00	.00	.00	0.	
2 APR 0700	32	.00	.00	.00	0.	*	4 APR 0900	82	.00	.00	.00	0.	
2 APR 0800	33	.00	.00	.00	0.	*	4 APR 1000	83	.00	.00	.00	0.	
2 APR 0900	34	.00	.00	.00	0.	*	4 APR 1100	84	.00	.00	.00	0.	
2 APR 1000	35	.00	.00	.00	0.	*	4 APR 1200	85	.00	.00	.00	0.	
2 APR 1100	36	.00	.00	.00	0.	*	4 APR 1300	86	.00	.00	.00	0.	
2 APR 1200	37	.00	.00	.00	0.	*	4 APR 1400	87	.00	.00	.00	0.	
2 APR 1300	38	.00	.00	.00	0.	*	4 APR 1500	88	.00	.00	.00	0.	
2 APR 1400	39	.00	.00	.00	0.	*	4 APR 1600	89	.00	.00	.00	0.	
2 APR 1500	40	.00	.00	.00	0.	*	4 APR 1700	90	.00	.00	.00	0.	
2 APR 1600	41	.00	.00	.00	0.	*	4 APR 1800	91	.00	.00	.00	0.	
2 APR 1700	42	.00	.00	.00	0.	*	4 APR 1900	92	.00	.00	.00	0.	
2 APR 1800	43	.00	.00	.00	0.	*	4 APR 2000	93	.00	.00	.00	0.	
2 APR 1900	44	.00	.00	.00	0.	*	4 APR 2100	94	.00	.00	.00	0.	
2 APR 2000	45	.00	.00	.00	0.	*	4 APR 2200	95	.00	.00	.00	0.	
2 APR 2100	46	.00	.00	.00	0.	*	4 APR 2300	96	.00	.00	.00	0.	
2 APR 2200	47	.00	.00	.00	0.	*	5 APR 0000	97	.00	.00	.00	0.	
2 APR 2300	48	.00	.00	.00	0.	*	5 APR 0100	98	.00	.00	.00	0.	
3 APR 0000	49	.00	.00	.00	0.	*	5 APR 0200	99	.00	.00	.00	0.	
3 APR 0100	50	.00	.00	.00	0.	*	5 APR 0300	100	.00	.00	.00	0.	

TOTAL RAINFALL = .07, TOTAL LOSS = .00, TOTAL EXCESS = .07

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW			
+	(CFS)	(HR)		24-HR	72-HR	99.00-HR	
+	21.	15.00	(CFS)	18.	8.	3.	2.
			(INCHES)	.039	.072	.073	.073
			(AC-FT)	9.	16.	17.	17.

CUMULATIVE AREA = 4.27 SQ MI

HYDROGRAPH MULTIPLIED BY .70

HYDROGRAPH AT STATION 15B1

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	APR	0000	1	0.	*	2	APR	0100	26	1.	*	3	APR	0200	51	0.	*	4	APR	0300	76	0.	*
1	APR	0100	2	0.	*	2	APR	0200	27	0.	*	3	APR	0300	52	0.	*	4	APR	0400	77	0.	*
1	APR	0200	3	1.	*	2	APR	0300	28	0.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.	*
1	APR	0300	4	2.	*	2	APR	0400	29	0.	*	3	APR	0500	54	0.	*	4	APR	0600	79	0.	*
1	APR	0400	5	2.	*	2	APR	0500	30	0.	*	3	APR	0600	55	0.	*	4	APR	0700	80	0.	*

day1.out														
1 APR 0500	6	3.	*	2 APR 0600	31	0.	*	3 APR 0700	56	0.	*	4 APR 0800	81	0.
1 APR 0600	7	4.	*	2 APR 0700	32	0.	*	3 APR 0800	57	0.	*	4 APR 0900	82	0.
1 APR 0700	8	4.	*	2 APR 0800	33	0.	*	3 APR 0900	58	0.	*	4 APR 1000	83	0.
1 APR 0800	9	5.	*	2 APR 0900	34	0.	*	3 APR 1000	59	0.	*	4 APR 1100	84	0.
1 APR 0900	10	6.	*	2 APR 1000	35	0.	*	3 APR 1100	60	0.	*	4 APR 1200	85	0.
1 APR 1000	11	8.	*	2 APR 1100	36	0.	*	3 APR 1200	61	0.	*	4 APR 1300	86	0.
1 APR 1100	12	10.	*	2 APR 1200	37	0.	*	3 APR 1300	62	0.	*	4 APR 1400	87	0.
1 APR 1200	13	10.	*	2 APR 1300	38	0.	*	3 APR 1400	63	0.	*	4 APR 1500	88	0.
1 APR 1300	14	11.	*	2 APR 1400	39	0.	*	3 APR 1500	64	0.	*	4 APR 1600	89	0.
1 APR 1400	15	15.	*	2 APR 1500	40	0.	*	3 APR 1600	65	0.	*	4 APR 1700	90	0.
1 APR 1500	16	15.	*	2 APR 1600	41	0.	*	3 APR 1700	66	0.	*	4 APR 1800	91	0.
1 APR 1600	17	14.	*	2 APR 1700	42	0.	*	3 APR 1800	67	0.	*	4 APR 1900	92	0.
1 APR 1700	18	11.	*	2 APR 1800	43	0.	*	3 APR 1900	68	0.	*	4 APR 2000	93	0.
1 APR 1800	19	5.	*	2 APR 1900	44	0.	*	3 APR 2000	69	0.	*	4 APR 2100	94	0.
1 APR 1900	20	4.	*	2 APR 2000	45	0.	*	3 APR 2100	70	0.	*	4 APR 2200	95	0.
1 APR 2000	21	2.	*	2 APR 2100	46	0.	*	3 APR 2200	71	0.	*	4 APR 2300	96	0.
1 APR 2100	22	2.	*	2 APR 2200	47	0.	*	3 APR 2300	72	0.	*	5 APR 0000	97	0.
1 APR 2200	23	2.	*	2 APR 2300	48	0.	*	4 APR 0000	73	0.	*	5 APR 0100	98	0.
1 APR 2300	24	1.	*	3 APR 0000	49	0.	*	4 APR 0100	74	0.	*	5 APR 0200	99	0.
2 APR 0000	25	1.	*	3 APR 0100	50	0.	*	4 APR 0200	75	0.	*	5 APR 0300	100	0.

PEAK FLOW	TIME		MAXIMUM	AVERAGE FLOW	
+	(CFS)	(HR)	6-HR	24-HR	72-HR
+	15.	15.00			
		(CFS)	13.	6.	2.
		(INCHES)	.051	.051	.051
		(AC-FT)	6.	12.	12.
CUMULATIVE AREA =			4.27 SQ MI		

533 KK

15B7

TOTAL ROMOLAND SUB-AREA COMBINED AT THE U/S OF I-215 FWY PER CDJ

534 HC

HYDROGRAPH COMBINATION

ICOMP

2

NUMBER OF HYDROGRAPHS TO COMBINE

day1.out
HYDROGRAPH AT STATION 15B7
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1	APR	0000	1	0.	*	2	APR	0100	26	1.	*	3	APR	0200	51	0.	*	4	APR	0300	76	0.
1	APR	0100	2	0.	*	2	APR	0200	27	0.	*	3	APR	0300	52	0.	*	4	APR	0400	77	0.
1	APR	0200	3	2.	*	2	APR	0300	28	0.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.
1	APR	0300	4	3.	*	2	APR	0400	29	0.	*	3	APR	0500	54	0.	*	4	APR	0600	79	0.
1	APR	0400	5	3.	*	2	APR	0500	30	0.	*	3	APR	0600	55	0.	*	4	APR	0700	80	0.
1	APR	0500	6	4.	*	2	APR	0600	31	0.	*	3	APR	0700	56	0.	*	4	APR	0800	81	0.
1	APR	0600	7	5.	*	2	APR	0700	32	0.	*	3	APR	0800	57	0.	*	4	APR	0900	82	0.
1	APR	0700	8	6.	*	2	APR	0800	33	0.	*	3	APR	0900	58	0.	*	4	APR	1000	83	0.
1	APR	0800	9	7.	*	2	APR	0900	34	0.	*	3	APR	1000	59	0.	*	4	APR	1100	84	0.
1	APR	0900	10	9.	*	2	APR	1000	35	0.	*	3	APR	1100	60	0.	*	4	APR	1200	85	0.
1	APR	1000	11	12.	*	2	APR	1100	36	0.	*	3	APR	1200	61	0.	*	4	APR	1300	86	0.
1	APR	1100	12	15.	*	2	APR	1200	37	0.	*	3	APR	1300	62	0.	*	4	APR	1400	87	0.
1	APR	1200	13	15.	*	2	APR	1300	38	0.	*	3	APR	1400	63	0.	*	4	APR	1500	88	0.
1	APR	1300	14	16.	*	2	APR	1400	39	0.	*	3	APR	1500	64	0.	*	4	APR	1600	89	0.
1	APR	1400	15	21.	*	2	APR	1500	40	0.	*	3	APR	1600	65	0.	*	4	APR	1700	90	0.
1	APR	1500	16	21.	*	2	APR	1600	41	0.	*	3	APR	1700	66	0.	*	4	APR	1800	91	0.
1	APR	1600	17	21.	*	2	APR	1700	42	0.	*	3	APR	1800	67	0.	*	4	APR	1900	92	0.
1	APR	1700	18	15.	*	2	APR	1800	43	0.	*	3	APR	1900	68	0.	*	4	APR	2000	93	0.
1	APR	1800	19	7.	*	2	APR	1900	44	0.	*	3	APR	2000	69	0.	*	4	APR	2100	94	0.
1	APR	1900	20	5.	*	2	APR	2000	45	0.	*	3	APR	2100	70	0.	*	4	APR	2200	95	0.
1	APR	2000	21	3.	*	2	APR	2100	46	0.	*	3	APR	2200	71	0.	*	4	APR	2300	96	0.
1	APR	2100	22	3.	*	2	APR	2200	47	0.	*	3	APR	2300	72	0.	*	5	APR	0000	97	0.
1	APR	2200	23	2.	*	2	APR	2300	48	0.	*	4	APR	0000	73	0.	*	5	APR	0100	98	0.
1	APR	2300	24	2.	*	3	APR	0000	49	0.	*	4	APR	0100	74	0.	*	5	APR	0200	99	0.
2	APR	0000	25	2.	*	3	APR	0100	50	0.	*	4	APR	0200	75	0.	*	5	APR	0300	100	0.

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW		
			6-HR	24-HR	72-HR
+	(CFS)	(HR)			99.00-HR
+	21.	15.00	(CFS)		
			18.	8.	3.
		(INCHES)	.020	.036	.036
		(AC-FT)	9.	16.	17.
CUMULATIVE AREA =			8.54 SQ MI		

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day1.out

535 KK * *
 * H * US@215
 * *

US@215
COMBINE THE NUEVO RD., PERRIS, AND ROMOLAND HYDROGRAPHS

538 HC HYDROGRAPH COMBINATION
 ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION H
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1	APR	0000	1	0.	*	2	APR	0100	26	89.	*	3	APR	0200	51	55.	*	4	APR	0300	76	60.
1	APR	0100	2	3.	*	2	APR	0200	27	76.	*	3	APR	0300	52	54.	*	4	APR	0400	77	62.
1	APR	0200	3	24.	*	2	APR	0300	28	61.	*	3	APR	0400	53	53.	*	4	APR	0500	78	64.
1	APR	0300	4	45.	*	2	APR	0400	29	58.	*	3	APR	0500	54	52.	*	4	APR	0600	79	65.
1	APR	0400	5	62.	*	2	APR	0500	30	56.	*	3	APR	0600	55	52.	*	4	APR	0700	80	67.
1	APR	0500	6	81.	*	2	APR	0600	31	56.	*	3	APR	0700	56	51.	*	4	APR	0800	81	69.
1	APR	0600	7	102.	*	2	APR	0700	32	56.	*	3	APR	0800	57	51.	*	4	APR	0900	82	70.
1	APR	0700	8	122.	*	2	APR	0800	33	57.	*	3	APR	0900	58	50.	*	4	APR	1000	83	72.
1	APR	0800	9	148.	*	2	APR	0900	34	58.	*	3	APR	1000	59	50.	*	4	APR	1100	84	74.
1	APR	0900	10	183.	*	2	APR	1000	35	59.	*	3	APR	1100	60	49.	*	4	APR	1200	85	76.
1	APR	1000	11	235.	*	2	APR	1100	36	59.	*	3	APR	1200	61	49.	*	4	APR	1300	86	78.
1	APR	1100	12	294.	*	2	APR	1200	37	60.	*	3	APR	1300	62	49.	*	4	APR	1400	87	80.
1	APR	1200	13	323.	*	2	APR	1300	38	60.	*	3	APR	1400	63	49.	*	4	APR	1500	88	82.
1	APR	1300	14	343.	*	2	APR	1400	39	61.	*	3	APR	1500	64	50.	*	4	APR	1600	89	84.
1	APR	1400	15	419.	*	2	APR	1500	40	61.	*	3	APR	1600	65	50.	*	4	APR	1700	90	86.
1	APR	1500	16	478.	*	2	APR	1600	41	61.	*	3	APR	1700	66	50.	*	4	APR	1800	91	88.
1	APR	1600	17	487.	*	2	APR	1700	42	61.	*	3	APR	1800	67	51.	*	4	APR	1900	92	90.
1	APR	1700	18	441.	*	2	APR	1800	43	60.	*	3	APR	1900	68	52.	*	4	APR	2000	93	92.
1	APR	1800	19	311.	*	2	APR	1900	44	60.	*	3	APR	2000	69	52.	*	4	APR	2100	94	94.
1	APR	1900	20	216.	*	2	APR	2000	45	60.	*	3	APR	2100	70	53.	*	4	APR	2200	95	96.
1	APR	2000	21	173.	*	2	APR	2100	46	59.	*	3	APR	2200	71	54.	*	4	APR	2300	96	98.
1	APR	2100	22	145.	*	2	APR	2200	47	58.	*	3	APR	2300	72	55.	*	5	APR	0000	97	100.
1	APR	2200	23	127.	*	2	APR	2300	48	57.	*	4	APR	0000	73	56.	*	5	APR	0100	98	102.
1	APR	2300	24	104.	*	3	APR	0000	49	57.	*	4	APR	0100	74	58.	*	5	APR	0200	99	104.
2	APR	0000	25	102.	*	3	APR	0100	50	56.	*	4	APR	0200	75	59.	*	5	APR	0300	100	106.

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW				
+	(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR

day1.out

+	487.	16.00	(CFS)	414.	213.	108.	99.
			(INCHES)	.007	.014	.022	.027
			(AC-FT)	205.	423.	643.	809.

CUMULATIVE AREA = 558.46 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-H/H/FLOW/01MAR1992/1HOUR//

-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-H/H/FLOW/01APR1992/1HOUR//

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540 KK H-I ROUTE

ROUTE SAN JACINTO RIVER FROM I-215 TO CONCENTRATION POINT I
 BASED ON SV-SQ DATA FROM HEC-RAS Updated 14 Jan 2010
 Time Step (Ave Travel Time = 5.13 Hours - Divide by 1.5 Vw=3.42hr)
 Because of this use NSTPS = 3 jcc 9 Feb 2010

HYDROGRAPH ROUTING DATA

545 RS	STORAGE ROUTING										
	NSTPS	3	NUMBER OF SUBREACHES								
	ITYP	STOR	TYPE OF INITIAL CONDITION								
	RSVRIC	-1.00	INITIAL CONDITION								
	X	.00	WORKING R AND D COEFFICIENT								

546 SV	STORAGE	.0	156.0	291.0	878.0	3673.0	4783.0	5881.0	6288.0	8059.0	10737.0
		13406.0	15955.0	18408.0	20812.0	29306.0	36900.0				

548 SQ	DISCHARGE	0.	500.	1000.	2000.	4000.	6000.	8000.	10000.	15000.	20000.
		25000.	30000.	35000.	40000.	60000.	80000.				

HYDROGRAPH AT STATION H-I

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE
						*							*						
1	APR	0000	1	0.	.00	*	2	APR	1000	35	59.	6.15	*	3	APR	2000	69	50.	5.23
1	APR	0100	2	0.	.01	*	2	APR	1100	36	58.	6.07	*	3	APR	2100	70	51.	5.27
1	APR	0200	3	1.	.09	*	2	APR	1200	37	58.	6.06	*	3	APR	2200	71	51.	5.33

				day1.out									
1 APR 0300	4	4.	.41	*	2 APR 1300	38	59.	6.09	*	3 APR 2300	72	52.	5.40
1 APR 0400	5	11.	1.14	*	2 APR 1400	39	59.	6.14	*	4 APR 0000	73	53.	5.48
1 APR 0500	6	22.	2.27	*	2 APR 1500	40	59.	6.19	*	4 APR 0100	74	54.	5.58
1 APR 0600	7	36.	3.71	*	2 APR 1600	41	60.	6.23	*	4 APR 0200	75	55.	5.68
1 APR 0700	8	52.	5.38	*	2 APR 1700	42	60.	6.27	*	4 APR 0300	76	56.	5.79
1 APR 0800	9	69.	7.22	*	2 APR 1800	43	60.	6.29	*	4 APR 0400	77	57.	5.92
1 APR 0900	10	89.	9.27	*	2 APR 1900	44	61.	6.30	*	4 APR 0500	78	58.	6.05
1 APR 1000	11	112.	11.62	*	2 APR 2000	45	61.	6.30	*	4 APR 0600	79	60.	6.19
1 APR 1100	12	139.	14.49	*	2 APR 2100	46	60.	6.28	*	4 APR 0700	80	61.	6.34
1 APR 1200	13	173.	18.01	*	2 APR 2200	47	60.	6.25	*	4 APR 0800	81	62.	6.50
1 APR 1300	14	211.	21.96	*	2 APR 2300	48	60.	6.21	*	4 APR 0900	82	64.	6.66
1 APR 1400	15	250.	26.00	*	3 APR 0000	49	59.	6.15	*	4 APR 1000	83	66.	6.83
1 APR 1500	16	290.	30.21	*	3 APR 0100	50	59.	6.09	*	4 APR 1100	84	67.	7.01
1 APR 1600	17	334.	34.76	*	3 APR 0200	51	58.	6.01	*	4 APR 1200	85	69.	7.19
1 APR 1700	18	377.	39.17	*	3 APR 0300	52	57.	5.94	*	4 APR 1300	86	71.	7.38
1 APR 1800	19	406.	42.26	*	3 APR 0400	53	56.	5.85	*	4 APR 1400	87	73.	7.57
1 APR 1900	20	410.	42.68	*	3 APR 0500	54	55.	5.77	*	4 APR 1500	88	75.	7.76
1 APR 2000	21	385.	40.04	*	3 APR 0600	55	55.	5.69	*	4 APR 1600	89	77.	7.96
1 APR 2100	22	339.	35.25	*	3 APR 0700	56	54.	5.60	*	4 APR 1700	90	78.	8.16
1 APR 2200	23	286.	29.79	*	3 APR 0800	57	53.	5.52	*	4 APR 1800	91	80.	8.36
1 APR 2300	24	237.	24.70	*	3 APR 0900	58	52.	5.45	*	4 APR 1900	92	82.	8.57
2 APR 0000	25	196.	20.41	*	3 APR 1000	59	52.	5.38	*	4 APR 2000	93	84.	8.78
2 APR 0100	26	164.	17.01	*	3 APR 1100	60	51.	5.32	*	4 APR 2100	94	86.	8.98
2 APR 0200	27	138.	14.40	*	3 APR 1200	61	51.	5.27	*	4 APR 2200	95	88.	9.19
2 APR 0300	28	119.	12.35	*	3 APR 1300	62	50.	5.22	*	4 APR 2300	96	90.	9.40
2 APR 0400	29	102.	10.64	*	3 APR 1400	63	50.	5.19	*	5 APR 0000	97	92.	9.61
2 APR 0500	30	88.	9.20	*	3 APR 1500	64	50.	5.17	*	5 APR 0100	98	94.	9.81
2 APR 0600	31	77.	8.06	*	3 APR 1600	65	50.	5.16	*	5 APR 0200	99	96.	10.02
2 APR 0700	32	70.	7.23	*	3 APR 1700	66	50.	5.16	*	5 APR 0300	100	98.	10.22
2 APR 0800	33	64.	6.67	*	3 APR 1800	67	50.	5.17	*				
2 APR 0900	34	61.	6.33	*	3 APR 1900	68	50.	5.19	*				

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
410.	19.00	371.	211.	107.	95.
		.006	.014	.021	.026
		184.	418.	640.	778.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
(AC-FT)	(HR)	6-HR	24-HR	72-HR	99.00-HR
43.	19.00	39.	22.	11.	10.

CUMULATIVE AREA = 558.46 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER ROUTE H-I/H-I/FLOW/01MAR1992/1HOUR//
 -----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER ROUTE H-I/H-I/FLOW/01APR1992/1HOUR//

day1.out

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* *
551 KK * 15A * ROMOLAND SUB-AREA (A-SYSTEM)
* *

COMBINE HOMELAND, ROMOLAND (A-SYSTEM) AND THE REMAINING AREA AT THE
D/S OF I-215 FWY PER CDJ

556 IN TIME DATA FOR INPUT TIME SERIES
JXMIN 15 TIME INTERVAL IN MINUTES
JXDATE 1APR92 STARTING DATE
JXTIME 15 STARTING TIME
UHG FROM VALLEY S-GRAPH

SUBBASIN RUNOFF DATA

554 BA SUBBASIN CHARACTERISTICS
TAREA 28.11 SUBBASIN AREA

PRECIPITATION DATA

555 PB STORM .07 BASIN TOTAL PRECIPITATION

557 PI INCREMENTAL PRECIPITATION PATTERN
.00 .01 .01 .02 .02 .03 .03 .04 .05 .07
.08 .07 .08 .12 .11 .10 .06 .02 .02 .01
.01 .01 .01 .01 .01 .00

567 LU UNIFORM LOSS RATE
STRTL .00 INITIAL LOSS
CNSTL .00 UNIFORM LOSS RATE
RTIMP .00 PERCENT IMPERVIOUS AREA

567 UI INPUT UNITGRAPH, 9 ORDINATES, VOLUME = 1.00
7956.0 5752.0 1833.0 981.0 622.0 412.0 267.0 159.0 148.0

HYDROGRAPH AT STATION 15A

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.

						day1.out						
1 APR 0100	2	.00	.00	.00	1.	*	3 APR 0300	52	.00	.00	.00	0.
1 APR 0200	3	.00	.00	.00	9.	*	3 APR 0400	53	.00	.00	.00	0.
1 APR 0300	4	.00	.00	.00	14.	*	3 APR 0500	54	.00	.00	.00	0.
1 APR 0400	5	.00	.00	.00	19.	*	3 APR 0600	55	.00	.00	.00	0.
1 APR 0500	6	.00	.00	.00	24.	*	3 APR 0700	56	.00	.00	.00	0.
1 APR 0600	7	.00	.00	.00	30.	*	3 APR 0800	57	.00	.00	.00	0.
1 APR 0700	8	.00	.00	.00	36.	*	3 APR 0900	58	.00	.00	.00	0.
1 APR 0800	9	.00	.00	.00	44.	*	3 APR 1000	59	.00	.00	.00	0.
1 APR 0900	10	.00	.00	.00	55.	*	3 APR 1100	60	.00	.00	.00	0.
1 APR 1000	11	.00	.00	.00	71.	*	3 APR 1200	61	.00	.00	.00	0.
1 APR 1100	12	.01	.00	.01	87.	*	3 APR 1300	62	.00	.00	.00	0.
1 APR 1200	13	.01	.00	.01	93.	*	3 APR 1400	63	.00	.00	.00	0.
1 APR 1300	14	.01	.00	.01	98.	*	3 APR 1500	64	.00	.00	.00	0.
1 APR 1400	15	.01	.00	.01	124.	*	3 APR 1600	65	.00	.00	.00	0.
1 APR 1500	16	.01	.00	.01	136.	*	3 APR 1700	66	.00	.00	.00	0.
1 APR 1600	17	.01	.00	.01	135.	*	3 APR 1800	67	.00	.00	.00	0.
1 APR 1700	18	.00	.00	.00	113.	*	3 APR 1900	68	.00	.00	.00	0.
1 APR 1800	19	.00	.00	.00	69.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.00	.00	.00	45.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.00	.00	.00	33.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.00	.00	.00	26.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.00	.00	.00	22.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.00	.00	.00	18.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.00	.00	.00	15.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	11.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	6.	*	4 APR 0400	77	.00	.00	.00	0.
2 APR 0300	28	.00	.00	.00	3.	*	4 APR 0500	78	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	2.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	1.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	1.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	0.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	0.	*	4 APR 1000	83	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	0.	*	4 APR 1100	84	.00	.00	.00	0.
2 APR 1000	35	.00	.00	.00	0.	*	4 APR 1200	85	.00	.00	.00	0.
2 APR 1100	36	.00	.00	.00	0.	*	4 APR 1300	86	.00	.00	.00	0.
2 APR 1200	37	.00	.00	.00	0.	*	4 APR 1400	87	.00	.00	.00	0.
2 APR 1300	38	.00	.00	.00	0.	*	4 APR 1500	88	.00	.00	.00	0.
2 APR 1400	39	.00	.00	.00	0.	*	4 APR 1600	89	.00	.00	.00	0.
2 APR 1500	40	.00	.00	.00	0.	*	4 APR 1700	90	.00	.00	.00	0.
2 APR 1600	41	.00	.00	.00	0.	*	4 APR 1800	91	.00	.00	.00	0.
2 APR 1700	42	.00	.00	.00	0.	*	4 APR 1900	92	.00	.00	.00	0.
2 APR 1800	43	.00	.00	.00	0.	*	4 APR 2000	93	.00	.00	.00	0.
2 APR 1900	44	.00	.00	.00	0.	*	4 APR 2100	94	.00	.00	.00	0.
2 APR 2000	45	.00	.00	.00	0.	*	4 APR 2200	95	.00	.00	.00	0.
2 APR 2100	46	.00	.00	.00	0.	*	4 APR 2300	96	.00	.00	.00	0.
2 APR 2200	47	.00	.00	.00	0.	*	5 APR 0000	97	.00	.00	.00	0.
2 APR 2300	48	.00	.00	.00	0.	*	5 APR 0100	98	.00	.00	.00	0.
3 APR 0000	49	.00	.00	.00	0.	*	5 APR 0200	99	.00	.00	.00	0.
3 APR 0100	50	.00	.00	.00	0.	*	5 APR 0300	100	.00	.00	.00	0.
						*						

TOTAL RAINFALL = .07, TOTAL LOSS = .00, TOTAL EXCESS = .07 day1.out

PEAK FLOW (CFS)	TIME (HR)	6-HR (CFS)	MAXIMUM 24-HR (INCHES)	AVERAGE 72-HR (AC-FT)	99.00-HR (CFS)
136.	15.00	115.	55.	19.	14.
		.038	.073	.074	.074
		57.	110.	111.	111.

CUMULATIVE AREA = 28.11 SQ MI

*** **

570 KK *****
* *
* I *
* *

ENTRANCE TO RAILROAD CANYON DAM

572 HC HYDROGRAPH COMBINATION
ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION I
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1	APR	0000	1	0.	*	2	APR	0100	26	175.	*	3	APR	0200	51	58.	*	4	APR	0300	76	56.
1	APR	0100	2	1.	*	2	APR	0200	27	144.	*	3	APR	0300	52	57.	*	4	APR	0400	77	57.
1	APR	0200	3	9.	*	2	APR	0300	28	121.	*	3	APR	0400	53	56.	*	4	APR	0500	78	58.
1	APR	0300	4	18.	*	2	APR	0400	29	104.	*	3	APR	0500	54	55.	*	4	APR	0600	79	60.
1	APR	0400	5	30.	*	2	APR	0500	30	89.	*	3	APR	0600	55	55.	*	4	APR	0700	80	61.
1	APR	0500	6	46.	*	2	APR	0600	31	78.	*	3	APR	0700	56	54.	*	4	APR	0800	81	62.
1	APR	0600	7	66.	*	2	APR	0700	32	70.	*	3	APR	0800	57	53.	*	4	APR	0900	82	64.
1	APR	0700	8	88.	*	2	APR	0800	33	64.	*	3	APR	0900	58	52.	*	4	APR	1000	83	66.
1	APR	0800	9	113.	*	2	APR	0900	34	61.	*	3	APR	1000	59	52.	*	4	APR	1100	84	67.
1	APR	0900	10	144.	*	2	APR	1000	35	59.	*	3	APR	1100	60	51.	*	4	APR	1200	85	69.
1	APR	1000	11	183.	*	2	APR	1100	36	58.	*	3	APR	1200	61	51.	*	4	APR	1300	86	71.
1	APR	1100	12	227.	*	2	APR	1200	37	58.	*	3	APR	1300	62	50.	*	4	APR	1400	87	73.
1	APR	1200	13	267.	*	2	APR	1300	38	59.	*	3	APR	1400	63	50.	*	4	APR	1500	88	75.

day1.out														
1 APR 1300	14	309.	*	2 APR 1400	39	59.	*	3 APR 1500	64	50.	*	4 APR 1600	89	77.
1 APR 1400	15	374.	*	2 APR 1500	40	59.	*	3 APR 1600	65	50.	*	4 APR 1700	90	78.
1 APR 1500	16	427.	*	2 APR 1600	41	60.	*	3 APR 1700	66	50.	*	4 APR 1800	91	80.
1 APR 1600	17	469.	*	2 APR 1700	42	60.	*	3 APR 1800	67	50.	*	4 APR 1900	92	82.
1 APR 1700	18	490.	*	2 APR 1800	43	60.	*	3 APR 1900	68	50.	*	4 APR 2000	93	84.
1 APR 1800	19	475.	*	2 APR 1900	44	61.	*	3 APR 2000	69	50.	*	4 APR 2100	94	86.
1 APR 1900	20	455.	*	2 APR 2000	45	61.	*	3 APR 2100	70	51.	*	4 APR 2200	95	88.
1 APR 2000	21	418.	*	2 APR 2100	46	60.	*	3 APR 2200	71	51.	*	4 APR 2300	96	90.
1 APR 2100	22	365.	*	2 APR 2200	47	60.	*	3 APR 2300	72	52.	*	5 APR 0000	97	92.
1 APR 2200	23	308.	*	2 APR 2300	48	60.	*	4 APR 0000	73	53.	*	5 APR 0100	98	94.
1 APR 2300	24	255.	*	3 APR 0000	49	59.	*	4 APR 0100	74	54.	*	5 APR 0200	99	96.
2 APR 0000	25	211.	*	3 APR 0100	50	59.	*	4 APR 0200	75	55.	*	5 APR 0300	100	98.

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
+	(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
+	490.	17.00				
		(CFS)	452.	262.	125.	109.
		(INCHES)	.007	.017	.024	.028
		(AC-FT)	224.	519.	742.	889.

CUMULATIVE AREA = 586.57 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-I/I/FLOW/01MAR1992/1HOUR//
 -----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-I/I/FLOW/01APR1992/1HOUR//

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 * *
 574 KK * I-J *
 * *

ROUTE FROM C.P.I TO C.P.J
 FROM S.J.RIVER STAGE III PLAN & PROFILE, VELOCITY=3.6 FT/SEC
 TRAVEL DISTANCE =24,288 FT.

HYDROGRAPH ROUTING DATA

578 RT	TATUM OR STRADDLE-STAGGER ROUTING
	NSTPS 1 NUMBER OF TATUM STEPS
	NSTD L 2 NUMBER OF ORDINATES TO BE AVERAGED
	LAG 0 NUMBER OF INTERVALS TO LAG HYDROGRAPH

day1.out

HYDROGRAPH AT STATION I-J

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1	APR	0000	1	0.	*	2	APR	0100	26	193.	*	3	APR	0200	51	58.	*	4	APR	0300	76	55.
1	APR	0100	2	1.	*	2	APR	0200	27	160.	*	3	APR	0300	52	57.	*	4	APR	0400	77	56.
1	APR	0200	3	5.	*	2	APR	0300	28	133.	*	3	APR	0400	53	57.	*	4	APR	0500	78	58.
1	APR	0300	4	14.	*	2	APR	0400	29	113.	*	3	APR	0500	54	56.	*	4	APR	0600	79	59.
1	APR	0400	5	24.	*	2	APR	0500	30	97.	*	3	APR	0600	55	55.	*	4	APR	0700	80	60.
1	APR	0500	6	38.	*	2	APR	0600	31	84.	*	3	APR	0700	56	54.	*	4	APR	0800	81	62.
1	APR	0600	7	56.	*	2	APR	0700	32	74.	*	3	APR	0800	57	54.	*	4	APR	0900	82	63.
1	APR	0700	8	77.	*	2	APR	0800	33	67.	*	3	APR	0900	58	53.	*	4	APR	1000	83	65.
1	APR	0800	9	100.	*	2	APR	0900	34	63.	*	3	APR	1000	59	52.	*	4	APR	1100	84	67.
1	APR	0900	10	129.	*	2	APR	1000	35	60.	*	3	APR	1100	60	51.	*	4	APR	1200	85	68.
1	APR	1000	11	164.	*	2	APR	1100	36	59.	*	3	APR	1200	61	51.	*	4	APR	1300	86	70.
1	APR	1100	12	205.	*	2	APR	1200	37	58.	*	3	APR	1300	62	50.	*	4	APR	1400	87	72.
1	APR	1200	13	247.	*	2	APR	1300	38	58.	*	3	APR	1400	63	50.	*	4	APR	1500	88	74.
1	APR	1300	14	288.	*	2	APR	1400	39	59.	*	3	APR	1500	64	50.	*	4	APR	1600	89	76.
1	APR	1400	15	342.	*	2	APR	1500	40	59.	*	3	APR	1600	65	50.	*	4	APR	1700	90	78.
1	APR	1500	16	401.	*	2	APR	1600	41	60.	*	3	APR	1700	66	50.	*	4	APR	1800	91	79.
1	APR	1600	17	448.	*	2	APR	1700	42	60.	*	3	APR	1800	67	50.	*	4	APR	1900	92	81.
1	APR	1700	18	479.	*	2	APR	1800	43	60.	*	3	APR	1900	68	50.	*	4	APR	2000	93	83.
1	APR	1800	19	482.	*	2	APR	1900	44	61.	*	3	APR	2000	69	50.	*	4	APR	2100	94	85.
1	APR	1900	20	465.	*	2	APR	2000	45	61.	*	3	APR	2100	70	50.	*	4	APR	2200	95	87.
1	APR	2000	21	437.	*	2	APR	2100	46	60.	*	3	APR	2200	71	51.	*	4	APR	2300	96	89.
1	APR	2100	22	392.	*	2	APR	2200	47	60.	*	3	APR	2300	72	52.	*	5	APR	0000	97	91.
1	APR	2200	23	337.	*	2	APR	2300	48	60.	*	4	APR	0000	73	52.	*	5	APR	0100	98	93.
1	APR	2300	24	282.	*	3	APR	0000	49	59.	*	4	APR	0100	74	53.	*	5	APR	0200	99	95.
2	APR	0000	25	233.	*	3	APR	0100	50	59.	*	4	APR	0200	75	54.	*	5	APR	0300	100	97.

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)		6-HR	24-HR	72-HR	99.00-HR
482.	18.00	(CFS)	451.	262.	125.	108.
		(INCHES)	.007	.017	.024	.028
		(AC-FT)	224.	519.	742.	885.

CUMULATIVE AREA = 586.57 SQ MI

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day1.out

579 KK * *
 * 17 * SUBAREA 17
 * * *

SALT CREEK

583 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 15 TIME INTERVAL IN MINUTES
 JXDATE 1APR92 STARTING DATE
 JXTIME 40 STARTING TIME
 UHG FROM MOUNTAIN S-GRAPH

SUBBASIN RUNOFF DATA

581 BA SUBBASIN CHARACTERISTICS
 TAREA 123.91 SUBBASIN AREA

PRECIPITATION DATA

582 PB STORM .08 BASIN TOTAL PRECIPITATION

584 PI INCREMENTAL PRECIPITATION PATTERN
 .01 .01 .02 .02 .03 .03 .04 .04 .06 .08
 .07 .08 .09 .12 .10 .09 .04 .02 .02 .01
 .01 .01 .01 .01 .00 .00

594 LU UNIFORM LOSS RATE
 STRTL .00 INITIAL LOSS
 CNSTL .00 UNIFORM LOSS RATE
 RTIMP .00 PERCENT IMPERVIOUS AREA

594 UI INPUT UNITGRAPH, 41 ORDINATES, VOLUME = 1.00
 7481.0 17797.0 13137.0 7282.0 4868.0 3815.0 3168.0 2450.0 2175.0 1830.0
 1661.0 1370.0 1145.0 1059.0 994.0 900.0 878.0 780.0 774.0 659.0
 659.0 560.0 502.0 502.0 441.0 365.0 365.0 365.0 351.0 133.0
 133.0 133.0 133.0 133.0 133.0 133.0 133.0 133.0 133.0 133.0
 130.0

HYDROGRAPH AT STATION 17

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	8.
1	APR	0100	2	.00	.00	.00	4.	*	3	APR	0300	52	.00	.00	.00	7.
1	APR	0200	3	.00	.00	.00	17.	*	3	APR	0400	53	.00	.00	.00	6.
1	APR	0300	4	.00	.00	.00	33.	*	3	APR	0500	54	.00	.00	.00	5.

						day1.out						
1 APR 0400	5	.00	.00	.00	50.	*	3 APR 0600	55	.00	.00	.00	4.
1 APR 0500	6	.00	.00	.00	67.	*	3 APR 0700	56	.00	.00	.00	3.
1 APR 0600	7	.00	.00	.00	85.	*	3 APR 0800	57	.00	.00	.00	2.
1 APR 0700	8	.00	.00	.00	105.	*	3 APR 0900	58	.00	.00	.00	1.
1 APR 0800	9	.00	.00	.00	129.	*	3 APR 1000	59	.00	.00	.00	1.
1 APR 0900	10	.00	.00	.00	162.	*	3 APR 1100	60	.00	.00	.00	1.
1 APR 1000	11	.01	.00	.01	209.	*	3 APR 1200	61	.00	.00	.00	1.
1 APR 1100	12	.01	.00	.01	257.	*	3 APR 1300	62	.00	.00	.00	0.
1 APR 1200	13	.01	.00	.01	290.	*	3 APR 1400	63	.00	.00	.00	0.
1 APR 1300	14	.01	.00	.01	324.	*	3 APR 1500	64	.00	.00	.00	0.
1 APR 1400	15	.01	.00	.01	382.	*	3 APR 1600	65	.00	.00	.00	0.
1 APR 1500	16	.01	.00	.01	440.	*	3 APR 1700	66	.00	.00	.00	0.
1 APR 1600	17	.01	.00	.01	457.	*	3 APR 1800	67	.00	.00	.00	0.
1 APR 1700	18	.00	.00	.00	426.	*	3 APR 1900	68	.00	.00	.00	0.
1 APR 1800	19	.00	.00	.00	344.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.00	.00	.00	270.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.00	.00	.00	224.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.00	.00	.00	193.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.00	.00	.00	170.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.00	.00	.00	152.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.00	.00	.00	138.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	123.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	104.	*	4 APR 0400	77	.00	.00	.00	0.
2 APR 0300	28	.00	.00	.00	88.	*	4 APR 0500	78	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	76.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	69.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	62.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	57.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	52.	*	4 APR 1000	83	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	47.	*	4 APR 1100	84	.00	.00	.00	0.
2 APR 1000	35	.00	.00	.00	43.	*	4 APR 1200	85	.00	.00	.00	0.
2 APR 1100	36	.00	.00	.00	39.	*	4 APR 1300	86	.00	.00	.00	0.
2 APR 1200	37	.00	.00	.00	35.	*	4 APR 1400	87	.00	.00	.00	0.
2 APR 1300	38	.00	.00	.00	32.	*	4 APR 1500	88	.00	.00	.00	0.
2 APR 1400	39	.00	.00	.00	29.	*	4 APR 1600	89	.00	.00	.00	0.
2 APR 1500	40	.00	.00	.00	26.	*	4 APR 1700	90	.00	.00	.00	0.
2 APR 1600	41	.00	.00	.00	23.	*	4 APR 1800	91	.00	.00	.00	0.
2 APR 1700	42	.00	.00	.00	21.	*	4 APR 1900	92	.00	.00	.00	0.
2 APR 1800	43	.00	.00	.00	19.	*	4 APR 2000	93	.00	.00	.00	0.
2 APR 1900	44	.00	.00	.00	16.	*	4 APR 2100	94	.00	.00	.00	0.
2 APR 2000	45	.00	.00	.00	14.	*	4 APR 2200	95	.00	.00	.00	0.
2 APR 2100	46	.00	.00	.00	12.	*	4 APR 2300	96	.00	.00	.00	0.
2 APR 2200	47	.00	.00	.00	11.	*	5 APR 0000	97	.00	.00	.00	0.
2 APR 2300	48	.00	.00	.00	10.	*	5 APR 0100	98	.00	.00	.00	0.
3 APR 0000	49	.00	.00	.00	9.	*	5 APR 0200	99	.00	.00	.00	0.
3 APR 0100	50	.00	.00	.00	9.	*	5 APR 0300	100	.00	.00	.00	0.

TOTAL RAINFALL = .08, TOTAL LOSS = .00, TOTAL EXCESS = .08

PEAK FLOW TIME MAXIMUM AVERAGE FLOW

	(CFS)	(HR)		6-HR	24-HR	72-HR	day1.out 99.00-HR
+	457.	16.00	(CFS)	391.	217.	83.	61.
			(INCHES)	.029	.065	.075	.075
			(AC-FT)	194.	431.	495.	495.

CUMULATIVE AREA = 123.91 SQ MI

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*
601 KK      16      *      SUBAREA 16
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RAILROAD CANYON

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605 IN      TIME DATA FOR INPUT TIME SERIES
              JXMIN      30  TIME INTERVAL IN MINUTES
              JXDATE      1APR92  STARTING DATE
              JXTIME      15  STARTING TIME
              UHG FROM MOUNTAIN S-GRAPH

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SUBBASIN RUNOFF DATA

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603 BA      SUBBASIN CHARACTERISTICS
              TAREA      26.04  SUBBASIN AREA

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PRECIPITATION DATA

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604 PB      STORM      .08  BASIN TOTAL PRECIPITATION

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606 PI      INCREMENTAL PRECIPITATION PATTERN
              .00      .01      .01      .02      .02      .03      .03      .04      .05      .07
              .08      .07      .08      .12      .11      .10      .07      .01      .02      .01
              .01      .01      .01      .01      .01      .00

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611 LU      UNIFORM LOSS RATE
              STRTL      .00  INITIAL LOSS
              CNSTL      .00  UNIFORM LOSS RATE
              RTIMP      .00  PERCENT IMPERVIOUS AREA

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611 UI      INPUT UNITGRAPH, 22 ORDINATES, VOLUME = 1.00
              4825.0  4516.0  1821.0  1215.0  851.0  656.0  486.0  402.0  352.0  309.0
              264.0  220.0  199.0  147.0  144.0  86.0  53.0  53.0  53.0  53.0
              52.5  40.2

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day1.out

HYDROGRAPH AT STATION 16

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	1.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	6.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	11.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	15.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	20.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.00	.00	.00	25.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.00	.00	.00	30.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.00	.00	.00	37.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.00	.00	.00	46.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.01	.00	.01	60.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.01	.00	.01	74.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	82.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.01	.00	.01	88.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.01	.00	.01	108.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.01	.00	.01	121.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.01	.00	.01	123.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.01	.00	.01	112.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	81.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	60.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	49.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	41.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	36.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	32.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	28.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	24.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	19.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	14.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	11.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	9.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	7.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	6.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	5.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	4.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	3.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	3.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	2.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	1.	*	4	APR	1500	88	.00	.00	.00	0.
2	APR	1400	39	.00	.00	.00	1.	*	4	APR	1600	89	.00	.00	.00	0.
2	APR	1500	40	.00	.00	.00	0.	*	4	APR	1700	90	.00	.00	.00	0.
2	APR	1600	41	.00	.00	.00	0.	*	4	APR	1800	91	.00	.00	.00	0.
2	APR	1700	42	.00	.00	.00	0.	*	4	APR	1900	92	.00	.00	.00	0.

							day1.out						
2 APR 1800	43	.00	.00	.00	0.	*	4 APR 2000	93	.00	.00	.00	0.	
2 APR 1900	44	.00	.00	.00	0.	*	4 APR 2100	94	.00	.00	.00	0.	
2 APR 2000	45	.00	.00	.00	0.	*	4 APR 2200	95	.00	.00	.00	0.	
2 APR 2100	46	.00	.00	.00	0.	*	4 APR 2300	96	.00	.00	.00	0.	
2 APR 2200	47	.00	.00	.00	0.	*	5 APR 0000	97	.00	.00	.00	0.	
2 APR 2300	48	.00	.00	.00	0.	*	5 APR 0100	98	.00	.00	.00	0.	
3 APR 0000	49	.00	.00	.00	0.	*	5 APR 0200	99	.00	.00	.00	0.	
3 APR 0100	50	.00	.00	.00	0.	*	5 APR 0300	100	.00	.00	.00	0.	

TOTAL RAINFALL = .08, TOTAL LOSS = .00, TOTAL EXCESS = .08

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
			(CFS)			
+	123.	16.00	105.	55.	19.	14.
			(INCHES)	.038	.079	.083
			(AC-FT)	52.	109.	115.

CUMULATIVE AREA = 26.04 SQ MI

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616 KK J(US)

UPSTREAM OF RAILROAD CANYON
COMBINE THE R.R.CYN., SALT CREEK, & SHALLOW POND OUTFLOW HYDROGRAPHS

619 HC HYDROGRAPH COMBINATION
ICOMP 3 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION J(US)
SUM OF 3 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	APR	0000	1	0.	2	APR	0100	26	340.	3	APR	0200	51	66.	4	APR	0300	76	55.

day1.out											
1 APR 0100	2	6.	*	2 APR 0200	27	282.	*	3 APR 0300	52	65.	*
1 APR 0200	3	28.	*	2 APR 0300	28	235.	*	3 APR 0400	53	63.	*
1 APR 0300	4	58.	*	2 APR 0400	29	200.	*	3 APR 0500	54	61.	*
1 APR 0400	5	89.	*	2 APR 0500	30	174.	*	3 APR 0600	55	59.	*
1 APR 0500	6	124.	*	2 APR 0600	31	153.	*	3 APR 0700	56	57.	*
1 APR 0600	7	166.	*	2 APR 0700	32	136.	*	3 APR 0800	57	56.	*
1 APR 0700	8	212.	*	2 APR 0800	33	123.	*	3 APR 0900	58	54.	*
1 APR 0800	9	267.	*	2 APR 0900	34	113.	*	3 APR 1000	59	53.	*
1 APR 0900	10	337.	*	2 APR 1000	35	106.	*	3 APR 1100	60	52.	*
1 APR 1000	11	432.	*	2 APR 1100	36	100.	*	3 APR 1200	61	51.	*
1 APR 1100	12	536.	*	2 APR 1200	37	96.	*	3 APR 1300	62	51.	*
1 APR 1200	13	618.	*	2 APR 1300	38	92.	*	3 APR 1400	63	50.	*
1 APR 1300	14	700.	*	2 APR 1400	39	88.	*	3 APR 1500	64	50.	*
1 APR 1400	15	831.	*	2 APR 1500	40	86.	*	3 APR 1600	65	50.	*
1 APR 1500	16	962.	*	2 APR 1600	41	83.	*	3 APR 1700	66	50.	*
1 APR 1600	17	1029.	*	2 APR 1700	42	81.	*	3 APR 1800	67	50.	*
1 APR 1700	18	1017.	*	2 APR 1800	43	79.	*	3 APR 1900	68	50.	*
1 APR 1800	19	907.	*	2 APR 1900	44	77.	*	3 APR 2000	69	50.	*
1 APR 1900	20	795.	*	2 APR 2000	45	75.	*	3 APR 2100	70	50.	*
1 APR 2000	21	710.	*	2 APR 2100	46	72.	*	3 APR 2200	71	51.	*
1 APR 2100	22	626.	*	2 APR 2200	47	71.	*	3 APR 2300	72	52.	*
1 APR 2200	23	543.	*	2 APR 2300	48	70.	*	4 APR 0000	73	52.	*
1 APR 2300	24	466.	*	3 APR 0000	49	69.	*	4 APR 0100	74	53.	*
2 APR 0000	25	400.	*	3 APR 0100	50	68.	*	4 APR 0200	75	54.	*

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW				
		6-HR	24-HR	72-HR	99.00-HR	
+	(CFS)	(HR)				
		(CFS)				
+	1029.	16.00	915.	532.	226.	183.
		(INCHES)	.012	.027	.034	.038
		(AC-FT)	454.	1056.	1342.	1495.

CUMULATIVE AREA = 736.52 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-J(US)/J(US)/FLOW/01MAR1992/1HOUR//
 -----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-J(US)/J(US)/FLOW/01APR1992/1HOUR//

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 * *
 621 KK * J(DS) * RAILROAD CANYON DAM
 * *

RATING CURVE WAS OBTAINED FROM PREVIOUS WORK DONE BY COOK, DATED 10/2/73

day1.out

HYDROGRAPH ROUTING DATA

623 RS	STORAGE ROUTING										
	NSTPS	1	NUMBER OF SUBREACHES								
	ITYP	STOR	TYPE OF INITIAL CONDITION								
	RSVRIC	.00	INITIAL CONDITION								
	X	.00	WORKING R AND D COEFFICIENT								
624 SV	STORAGE	.0	835.9	1671.9	2507.8	3343.7	4179.7	5015.6	5851.5	6687.5	7523.4
		8359.3	9195.3	10031.2	10867.1	11703.1	12539.0	13375.0	14210.9	15046.8	15214.0
626 SE	ELEVATION	1381.80	1382.80	1383.80	1384.80	1385.80	1386.80	1387.80	1388.80	1389.80	1390.80
		1391.80	1392.80	1393.80	1394.80	1395.80	1396.80	1397.80	1398.80	1399.80	1400.00
628 SQ	DISCHARGE	0.	538.	1592.	3024.	4765.	6851.	9204.	11781.	14614.	17699.
		21031.	24547.	28216.	32091.	36078.	41478.	48467.	55911.	64285.	66000.

HYDROGRAPH AT STATION J(DS)

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
1	APR	0000	1	0.	.0	1381.8	*	2	APR	1000	35	318.	493.8	1382.4	*	3	APR	2000	69	102.	158.6	1382.0
1	APR	0100	2	0.	.2	1381.8	*	2	APR	1100	36	307.	476.5	1382.4	*	3	APR	2100	70	99.	154.4	1382.0
1	APR	0200	3	1.	1.6	1381.8	*	2	APR	1200	37	296.	459.7	1382.3	*	3	APR	2200	71	97.	150.5	1382.0
1	APR	0300	4	3.	4.9	1381.8	*	2	APR	1300	38	285.	443.4	1382.3	*	3	APR	2300	72	94.	146.8	1382.0
1	APR	0400	5	7.	10.6	1381.8	*	2	APR	1400	39	275.	427.7	1382.3	*	4	APR	0000	73	92.	143.4	1382.0
1	APR	0500	6	12.	18.6	1381.8	*	2	APR	1500	40	265.	412.5	1382.3	*	4	APR	0100	74	90.	140.2	1382.0
1	APR	0600	7	19.	29.3	1381.8	*	2	APR	1600	41	256.	397.9	1382.3	*	4	APR	0200	75	88.	137.3	1382.0
1	APR	0700	8	28.	43.0	1381.9	*	2	APR	1700	42	247.	384.0	1382.3	*	4	APR	0300	76	87.	134.6	1382.0
1	APR	0800	9	39.	60.1	1381.9	*	2	APR	1800	43	238.	370.5	1382.2	*	4	APR	0400	77	85.	132.1	1382.0
1	APR	0900	10	52.	81.2	1381.9	*	2	APR	1900	44	230.	357.6	1382.2	*	4	APR	0500	78	84.	129.8	1382.0
1	APR	1000	11	69.	108.0	1381.9	*	2	APR	2000	45	222.	345.2	1382.2	*	4	APR	0600	79	82.	127.8	1382.0
1	APR	1100	12	91.	141.4	1382.0	*	2	APR	2100	46	214.	333.2	1382.2	*	4	APR	0700	80	81.	125.9	1382.0
1	APR	1200	13	116.	180.5	1382.0	*	2	APR	2200	47	207.	321.7	1382.2	*	4	APR	0800	81	80.	124.3	1381.9
1	APR	1300	14	144.	224.2	1382.1	*	2	APR	2300	48	200.	310.7	1382.2	*	4	APR	0900	82	79.	122.9	1381.9
1	APR	1400	15	176.	274.2	1382.1	*	3	APR	0000	49	193.	300.2	1382.2	*	4	APR	1000	83	78.	121.7	1381.9
1	APR	1500	16	214.	332.2	1382.2	*	3	APR	0100	50	187.	290.2	1382.1	*	4	APR	1100	84	78.	120.7	1381.9
1	APR	1600	17	254.	395.1	1382.3	*	3	APR	0200	51	181.	280.5	1382.1	*	4	APR	1200	85	77.	119.9	1381.9
1	APR	1700	18	294.	456.9	1382.3	*	3	APR	0300	52	175.	271.3	1382.1	*	4	APR	1300	86	77.	119.2	1381.9
1	APR	1800	19	329.	510.7	1382.4	*	3	APR	0400	53	169.	262.3	1382.1	*	4	APR	1400	87	76.	118.8	1381.9
1	APR	1900	20	356.	552.7	1382.5	*	3	APR	0500	54	163.	253.7	1382.1	*	4	APR	1500	88	76.	118.5	1381.9
1	APR	2000	21	376.	584.7	1382.5	*	3	APR	0600	55	158.	245.4	1382.1	*	4	APR	1600	89	76.	118.3	1381.9
1	APR	2100	22	391.	608.2	1382.5	*	3	APR	0700	56	153.	237.4	1382.1	*	4	APR	1700	90	76.	118.4	1381.9
1	APR	2200	23	401.	623.7	1382.5	*	3	APR	0800	57	148.	229.7	1382.1	*	4	APR	1800	91	76.	118.5	1381.9
1	APR	2300	24	407.	632.0	1382.6	*	3	APR	0900	58	143.	222.2	1382.1	*	4	APR	1900	92	77.	118.9	1381.9
2	APR	0000	25	408.	634.1	1382.6	*	3	APR	1000	59	138.	215.0	1382.1	*	4	APR	2000	93	77.	119.4	1381.9

day1.out																
2 APR 0100	26	406.	631.0	1382.6	*	3 APR 1100	60	134.	208.1	1382.0	*	4 APR 2100	94	77.	120.0	1381.9
2 APR 0200	27	401.	623.3	1382.5	*	3 APR 1200	61	130.	201.5	1382.0	*	4 APR 2200	95	78.	120.7	1381.9
2 APR 0300	28	394.	611.9	1382.5	*	3 APR 1300	62	126.	195.1	1382.0	*	4 APR 2300	96	78.	121.6	1381.9
2 APR 0400	29	385.	597.7	1382.5	*	3 APR 1400	63	122.	189.1	1382.0	*	5 APR 0000	97	79.	122.5	1381.9
2 APR 0500	30	374.	581.8	1382.5	*	3 APR 1500	64	118.	183.3	1382.0	*	5 APR 0100	98	80.	123.6	1381.9
2 APR 0600	31	364.	564.8	1382.5	*	3 APR 1600	65	114.	177.9	1382.0	*	5 APR 0200	99	80.	124.8	1381.9
2 APR 0700	32	352.	547.2	1382.5	*	3 APR 1700	66	111.	172.6	1382.0	*	5 APR 0300	100	81.	126.1	1382.0
2 APR 0800	33	341.	529.3	1382.4	*	3 APR 1800	67	108.	167.7	1382.0	*					
2 APR 0900	34	329.	511.4	1382.4	*	3 APR 1900	68	105.	163.0	1382.0	*					

PEAK FLOW	TIME		MAXIMUM	AVERAGE FLOW		
+	(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
+	408.	24.00				
		(CFS)				
		(INCHES)	403.	346.	209.	167.
		(AC-FT)	.005	.017	.032	.035
			200.	687.	1244.	1369.

PEAK STORAGE	TIME		MAXIMUM	AVERAGE STORAGE		
+	(AC-FT)	(HR)	6-HR	24-HR	72-HR	99.00-HR
+	634.	24.00				
			626.	538.	325.	260.

PEAK STAGE	TIME		MAXIMUM	AVERAGE STAGE		
+	(FEET)	(HR)	6-HR	24-HR	72-HR	99.00-HR
+	1382.56	24.00				
			1382.55	1382.44	1382.19	1382.11

CUMULATIVE AREA = 736.52 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-J(DS)/J(DS)/FLOW/01MAR1992/1HOUR//
 -----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-J(DS)/J(DS)/FLOW/01APR1992/1HOUR//
 1

RUNOFF SUMMARY
 FLOW IN CUBIC FEET PER SECOND
 TIME IN HOURS, AREA IN SQUARE MILES

+	OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
					6-HOUR	24-HOUR	72-HOUR	
+	HYDROGRAPH AT	2	917.	17.00	810.	463.	187.	178.50
+	HYDROGRAPH AT	3	247.	17.00	213.	119.	46.	51.38
+	HYDROGRAPH AT	4	115.	17.00	97.	51.	18.	15.76

day1.out								
+	3 COMBINED AT	A	1278.	17.00	1118.	631.	250.	245.64
	ROUTED TO							
+		A-B	1269.	18.00	1106.	631.	250.	245.64
	HYDROGRAPH AT							
+		6	250.	16.00	212.	114.	41.	35.42
	HYDROGRAPH AT							
+		5	62.	15.00	52.	28.	10.	12.07
	3 COMBINED AT							
+		B	1516.	17.00	1354.	769.	301.	293.13
	HYDROGRAPH AT							
+		7	38.	15.00	32.	16.	6.	5.64
	2 COMBINED AT							
+		C	1541.	17.00	1380.	784.	307.	298.77
	HYDROGRAPH AT							
+		8	67.	15.00	57.	29.	10.	9.73
	2 COMBINED AT							
+		D	1586.	17.00	1426.	812.	317.	308.50
	HYDROGRAPH AT							
+		9	212.	15.00	180.	92.	32.	43.98
	2 COMBINED AT							
+		E	1730.	17.00	1573.	901.	349.	352.48
	ROUTED TO							
+		E-F	152.	99.00	150.	142.	95.	352.48
	HYDROGRAPH AT							
+		10	91.	14.00	78.	39.	13.	17.90
	HYDROGRAPH AT							
+		11	75.	14.00	64.	32.	11.	18.10
	3 COMBINED AT							
+		F	167.	14.00	150.	142.	95.	388.48
	ROUTED TO							
+		F-F1	145.	99.00	143.	131.	86.	388.48
	ROUTED TO							
+		F1-G	138.	99.00	135.	120.	80.	388.48
	HYDROGRAPH AT							

+		12A	18.	14.00	14.	day1.out 7.	2.	12.26		
+	HYDROGRAPH AT	12A1	40.	14.00	33.	15.	5.	12.26		
+	3 COMBINED AT	G	138.	99.00	135.	120.	80.	413.00		
+	ROUTED TO	G-H	106.	99.00	100.	82.	64.	413.00		
+	HYDROGRAPH AT	13	42.	16.00	36.	19.	7.	25.74		
+	HYDROGRAPH AT	13	69.	16.00	59.	29.	10.	25.74		
+	3 COMBINED AT	NUEVDS	120.	16.00	103.	82.	64.	464.48		
+	HYDROGRAPH AT	14	42.	15.00	36.	17.	6.	9.03		
+	ROUTED TO	PB	42.	16.00	35.	17.	6.	9.03		
+									1670.52	16.00
+	HYDROGRAPH AT	IA	6.	14.00	5.	2.	1.	1.17		
+	2 COMBINED AT	IA	47.	16.00	40.	19.	6.	10.20		
+	ROUTED TO	IB	41.	17.00	36.	19.	6.	10.20		
+									1637.55	17.00
+	HYDROGRAPH AT	LA	4.	14.00	3.	1.	0.	.69		
+	ROUTED TO	LB	4.	15.00	3.	1.	0.	.69		
+									1734.37	15.00
+	HYDROGRAPH AT	NA	26.	15.00	21.	10.	3.	4.33		
+	ROUTED TO	NB	24.	16.00	20.	10.	3.	4.33		
+									59.46	16.00
+	HYDROGRAPH AT									

+		SA	20.	15.00	17.	day1.out 8.	3.	4.34
+	4 COMBINED AT	CP1	86.	16.00	74.	37.	13.	19.56
+	HYDROGRAPH AT	CP4A	247.	16.00	209.	102.	34.	62.87
+	HYDROGRAPH AT	SEATA	14.	15.00	11.	5.	2.	3.01
+	3 COMBINED AT	CP4	346.	16.00	294.	144.	49.	85.44
+	2 COMBINED AT	COMB	467.	16.00	397.	205.	105.	549.92
+	HYDROGRAPH AT	15B	6.	15.00	5.	2.	1.	4.27
+	HYDROGRAPH AT	15B1	15.	15.00	13.	6.	2.	4.27
+	2 COMBINED AT	15B7	21.	15.00	18.	8.	3.	8.54
+	2 COMBINED AT	H	487.	16.00	414.	213.	108.	558.46
+	ROUTED TO	H-I	410.	19.00	371.	211.	107.	558.46
+	HYDROGRAPH AT	15A	136.	15.00	115.	55.	19.	28.11
+	2 COMBINED AT	I	490.	17.00	452.	262.	125.	586.57
+	ROUTED TO	I-J	482.	18.00	451.	262.	125.	586.57
+	HYDROGRAPH AT	17	457.	16.00	391.	217.	83.	123.91
+	HYDROGRAPH AT	16	123.	16.00	105.	55.	19.	26.04
+	3 COMBINED AT	J(US)	1029.	16.00	915.	532.	226.	736.52
+	ROUTED TO	J(DS)	408.	24.00	403.	346.	209.	736.52

+	day1.out	1382.56	24.00
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*** NORMAL END OF HEC-1 ***

-----DSS---ZCLOSE Unit: 71, File: H1DSS.DSS
Pointer Utilization: .27
Number of Records: 40
File Size: 152.9 Kbytes
Percent Inactive: .0