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FLOOD HYDROGRAPH PACKAGE (HEC-1)

JUN 1998

VERSION 4.1

RUN DATE 03MAY16 TIME 17:24:18

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day3.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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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 -AMSK- 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

1

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 3 OF THREE DAY STORM: STAGE III: JANUARY 10, 2017

2

ID

WEBB ASSOCITES BASE FILE OF SAN JACINTO RIVER

3

ID

BASED ON FILE sjrre1.dat by WEST CONSULTANTS INC.

4

ID

FOR RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

5

ID

** ORIGINAL FILE: SAN JACINTO RIVER HYDROLOGY BACKUPS (ALTERNATIVE F)

6

ID

** LAPRE1 FILENAMES: 2SJR24

7

ID

** HEC-1 FILENAMES: 2SJR24.DAT/2SJR24.OUT DATE: SEPTEMBER, 1993

8

ID

** INFORMATION USED WAS BASED ON PREVIOUS WORKS PERFORMED BY F.J.P.

9

ID

** PERRIS VALLEY WATERSHED WAS OBTAINED FROM B.C.'S PREVIOUS WORK

10

ID

SV-SQ DATA FOR MODIFIED PULS ROUTING FROM HEC-RAS HYDRAULIC MODEL

11

ID

HEC-1 FILENAMES: REMLF.DAT/REMLF.OUT DATE: APR 2010

12

ID

For San Jacinto Floodplain update do not use routed flows downstream

13

ID

of Bridge Street. HEC-RAS will be used to route the hydrographs from

day3.out

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14      ID      this model in an unsteady simulation.  jcc  16AUG2010
      *DIAGRAM
15      IT      60 01APR92      100

16      KK      2 SUBAREAS 1 & 2
17      KM      SAN JACINTO MOUNTAIN AT BAUTISTA CREEK
18      BA      178.5
19      PB      3.449
20      IN      60 01APR92      0135
21      PI      0.003  0.003  0.004  0.005  0.006  0.006  0.009  0.010  0.045  0.093
22      PI      0.071  0.083  0.166  0.184  0.166  0.127  0.003  0.004  0.003  0.003
23      PI      0.002  0.002  0.002  0.002
24      LU      0      0
25      KM      UHG FROM MOUNTAIN S-GRAPH
26      UI      7168. 13829. 21244. 12890. 8592. 5602. 4846. 4024. 3419. 2982.
27      UI      2533. 2303. 2000. 1862. 1684. 1474. 1258. 1212. 1080. 1069.
28      UI      982. 957. 914. 839. 839. 758. 708. 708. 647. 540.
29      UI      540. 540. 525. 392. 392. 392. 392. 392. 335. 143.
30      UI      143. 143. 143. 143. 143. 143. 143. 143. 143. 143.
31      UI      143. 143. 143. 143. 129.
32      ZW      A=S.J.RIVER CP-2 B=2 C=FLOW D=01APR92 E=1HOUR F=

33      KK      3 SUBAREA 3
34      KM      BAUTISTA CREEK
35      BA      51.38
36      PB      2.632
37      IN      60 01APR92      0120
38      PI      0.003  0.003  0.005  0.005  0.007  0.007  0.010  0.012  0.032  0.086
39      PI      0.063  0.077  0.171  0.192  0.173  0.130  0.004  0.005  0.003  0.003
40      PI      0.003  0.003  0.002  0.002
41      LU      0      0
42      KM      UHG FROM MOUNTAIN S-GRAPH
43      UI      3045. 7285. 5462. 3065. 2015. 1581. 1310. 1032. 899. 765.
44      UI      697. 566. 483. 443. 408. 376. 365. 324. 320. 278.
45      UI      270. 245. 206. 206. 196. 150. 150. 150. 150. 79.
46      UI      54.4 54.4 54.4 54.4 54.4 54.4 54.4 54.4 54.4 54.4
47      UI      54.4 23.4
48      ZW      A=S.J.RIVER CP-3 B=3 C=FLOW D=01APR92 E=1HOUR F=

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PAGE 2

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

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49      KK      4 SUBAREA 4
50      KM      POPPET CREEK
51      BA      15.76
52      PB      2.961
53      IN      30 01APR92      0110
54      PI      0.001  0.002  0.001  0.002  0.002  0.002  0.002  0.003  0.003  0.003
55      PI      0.003  0.004  0.004  0.005  0.005  0.006  0.017  0.026  0.041  0.051
56      PI      0.023  0.047  0.044  0.038  0.076  0.091  0.117  0.068  0.085  0.082
57      PI      0.073  0.054  0.002  0.001  0.002  0.002  0.002  0.001  0.002  0.001

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						day3.out					
58	PI	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		
59	LU	0	0								
60	KM	UHG FROM MOUNTAIN S-GRAPH									
61	UI	3073.	2654.	1099.	728.	511.	392.	291.	240.	212.	186.
62	UI	162.	126.	113.	90.	88.	33.	33.	33.	33.	33.
63	UI	32.6	6.3								
64	ZW	A=S.J.RIVER CP-4 B=4 C=FLOW D=01APR92 E=1HOUR F=									
65	KK	A									
66	KM	BAUTISTA CREEK CONFLUENCE									
67	HC	3									
68	ZW	A=S.J.RIVER CP-A B=A C=FLOW D=01APR92 E=1HOUR F=									
69	KK	A-B ROUTE BAUTISTA CK CONFL. TO MASSACRE CANYON CONFL. NEAR SANDERSON AVE.									
70	KM	ROUTE CONC.PT.A TO CONC.PT.B									
71	KM	BASED ON FJP'S PREVIOUS WORK, L=39,290 FT., Vavg=9.2 FPS.									
72	KM	Vw=1.5*Vavg									
73	RT	1	2	0							
74	ZW	A=S.J.RIVER ROUTE A-B B=A-B C=FLOW D=01APR92 E=1HOUR F=									
75	KK	6 SUBAREA 6									
76	KM	MASSACRE CANYON									
77	BA	35.42									
78	PB	2.893									
79	IN	30	01APR92	0100							
80	PI	0.001	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.003	0.003
81	PI	0.003	0.004	0.004	0.004	0.005	0.007	0.019	0.027	0.042	0.052
82	PI	0.024	0.048	0.044	0.039	0.075	0.089	0.115	0.067	0.084	0.080
83	PI	0.073	0.054	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.001
84	PI	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		
85	LU	0	0								
86	KM	UHG FROM MOUNTAIN S-GRAPH									
87	UI	3842.	6708.	2914.	1774.	1305.	960.	783.	643.	506.	430.
88	UI	388.	356.	318.	283.	268.	205.	205.	161.	149.	149.
89	UI	82.4	54.1	54.1	54.1	54.1	54.1	54.1	54.1	40.4	
90	KK	5 SUBAREA 5									
91	KM	SOBOBA-GILMAN									
92	BA	12.07									
93	PB	2.210									
94	IN	30	01APR92	0055							
95	PI	0.001	0.002	0.001	0.002	0.002	0.002	0.002	0.003	0.003	0.004
96	PI	0.003	0.004	0.004	0.005	0.005	0.006	0.013	0.022	0.038	0.050
97	PI	0.019	0.045	0.042	0.036	0.077	0.093	0.121	0.069	0.087	0.084
98	PI	0.075	0.054	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.001

HEC-1 INPUT

PAGE 3

LINE	ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
99	PI 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001
100	LU 0 0
101	KM UHG FROM MOUNTAIN S-GRAPH

						day3.out					
102	UI	2082.	2170.	853.	570.	401.	309.	227.	186.	163.	144.
103	UI	126.	110.	89.	77.	65.	60.	24.	24.	24.	24.
104	UI	23.5	23.5	12.1							
105	KK	B									
106	KM	MASSACRE CANYON CONFLUENCE NEAR SANDERSON AVENUE									
107	HC	3									
108	ZW	A=S.J.RIVER CP-B B=B C=FLOW D=01APR92 E=1HOUR F=									
109	KK	7 SUBAREA 7									
110	KM	LAMB CANYON									
111	BA	5.64									
112	PB	2.156									
113	IN	15 01APR92 0045									
114	PI	0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001									
115	PI	0.001 0.001 0.001 0.001 0.001 0.002 0.002 0.002 0.002 0.002									
116	PI	0.002 0.002 0.002 0.002 0.002 0.002 0.003 0.003 0.003 0.003									
117	PI	0.003 0.003 0.005 0.006 0.009 0.012 0.017 0.020 0.023 0.026									
118	PI	0.009 0.009 0.022 0.023 0.020 0.021 0.016 0.019 0.037 0.040									
119	PI	0.046 0.048 0.061 0.062 0.034 0.035 0.045 0.043 0.043 0.041									
120	PI	0.039 0.037 0.027 0.027 0.001 0.001 0.001 0.001 0.001 0.001									
121	PI	0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001									
122	PI	0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001									
123	PI	0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001									
124	LU	0 0									
125	KM	UHG FROM MOUNTAIN S-GRAPH									
126	UI	1530. 793. 373. 234. 161. 119. 99. 82. 65. 52.									
127	UI	42.5 23.9 15.5 15.5 15.5 15.5 .0									
128	KK	C									
129	KM	LAMB CANYON CONFLUENCE									
130	HC	2									
131	ZW	A=S.J.RIVER CP-C B=C C=FLOW D=01APR92 E=1HOUR F=									
132	KK	8 SUBAREA 8									
133	KM	LABORDE CANYON									
134	BA	9.73									
135	PB	1.736									
136	IN	15 01APR92 0045									
137	PI	0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001									
138	PI	0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002									
139	PI	0.002 0.002 0.002 0.002 0.003 0.003 0.003 0.003 0.003 0.003									
140	PI	0.004 0.004 0.005 0.005 0.005 0.005 0.011 0.015 0.019 0.023									
141	PI	0.005 0.005 0.019 0.019 0.017 0.017 0.012 0.015 0.038 0.042									
142	PI	0.048 0.052 0.068 0.069 0.035 0.036 0.049 0.046 0.047 0.044									
143	PI	0.042 0.039 0.027 0.027 0.001 0.001 0.001 0.001 0.002 0.002									
144	PI	0.002 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001									
145	PI	0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001									
146	PI	0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001									
147	LU	0 0									
148	KM	UHG FROM MOUNTAIN S-GRAPH									
149	UI	2711. 1342. 638. 403. 272. 203. 171. 141. 108. 85.									

LINE	ID	1	2	3	4	5	6	7	8	9	10
150	UI	75.3	27.8	27.4	27.4	27.4	16.1				
151	KK	D									
152	KM	LABORDE CANYON CONFLUENCE									
153	HC	2									
154	ZW	A=S.J.RIVER CP-D B=D C=FLOW D=01APR92 E=1HOUR F=									
155	KK	9 SUBAREA 9									
156	KM	SAN JACINTO VALLEY									
157	BA	43.98									
158	PB	1.812									
159	IN	30 01APR92	0050								
160	PI	0.001	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.004
161	PI	0.003	0.004	0.005	0.005	0.006	0.007	0.008	0.017	0.035	0.048
162	PI	0.015	0.043	0.040	0.034	0.078	0.096	0.127	0.070	0.090	0.087
163	PI	0.077	0.055	0.002	0.002	0.003	0.002	0.002	0.001	0.002	0.001
164	PI	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001		
165	LU	0	0								
166	KM	UHG FROM MOUNTAIN S-GRAPH									
167	UI	10816.	6517.	3012.	1883.	1344.	952.	775.	668.	560.	444.
168	UI	370.	299.	210.	109.	109.	109.	109.	81.		
169	KK	E									
170	KM	BRIDGE STREET									
171	HC	2									
172	ZW	A=S.J.RIVER CP-E B=E C=FLOW D=01APR92 E=1HOUR F=									
173	KK	E-F ROUTE									
174	KM	ROUTE BRIDGE ST TO SPLIT(before split flow)									
175	KM	BASED ON SV-SQ DATA FROM HEC-RAS Updated 14Apr2010- MLA									
176	KM	MYSTIC LAKE FULL CONDITIONS - I.E. 1424 WSE									
177	KM	Time Step (Ave Travel Time = 5.09 Hours - Divide by 1.5 Vw=3.39 hr)									
178	KM	Because of this use NSTPS = 3 jcc 9 Feb 2010									
179	RS	3 STOR	-1								
180	SV	0	5422	6214	7192	8523	9595	10477	11979	15904	18679
181	SV	20011	21382	22528	23644	27656	31546				
182	SQ	0	500	1000	2000	4000	6000	8000	10000	15000	20000
183	SQ	25000	30000	35000	40000	60000	80000				
184	ZW	A=S.J.RIVER ROUTE E-F B=E-F C=FLOW D=01APR92 E=1HOUR F=									
185	KK	10 SUBAREA 10									
186	KM	JACK RABBIT									
187	BA	17.9									
188	PB	1.799									
189	IN	15 01APR92	0035								
190	PI	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
191	PI	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002
192	PI	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003

		day3.out									
193	PI	0.003	0.004	0.004	0.004	0.005	0.009	0.015	0.018	0.021	0.025
194	PI	0.006	0.006	0.021	0.021	0.019	0.019	0.014	0.018	0.038	0.041
195	PI	0.047	0.050	0.065	0.065	0.035	0.035	0.047	0.045	0.045	0.043
196	PI	0.040	0.038	0.027	0.028	0.001	0.001	0.001	0.001	0.001	0.001
197	PI	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
198	PI	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
199	PI	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001

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HEC-1 INPUT

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LINE	ID	1	2	3	4	5	6	7	8	9	10
200	LU	0	0								
201	KM	UHG FROM MOUNTAIN S-GRAPH									
202	UI	5106.	2427.	1164.	741.	490.	371.	315.	253.	196.	148.
203	UI	118.	52.	52.	52.	52.	10.				
204	KK	11 SUBAREA 11									
205	KM	BADLANDS									
206	BA	18.1									
207	PB	1.556									
208	IN	15	01APR92	0030							
209	PI	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
210	PI	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003
211	PI	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004
212	PI	0.004	0.004	0.005	0.005	0.005	0.005	0.011	0.015	0.019	0.022
213	PI	0.005	0.005	0.018	0.019	0.016	0.017	0.011	0.015	0.038	0.042
214	PI	0.049	0.053	0.069	0.070	0.035	0.036	0.049	0.046	0.047	0.044
215	PI	0.042	0.039	0.027	0.027	0.001	0.001	0.001	0.001	0.002	0.002
216	PI	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
217	PI	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
218	PI	0.001	0.001	0.001	0.001	0.001	0.001				
219	LU	0	0								
220	KM	UHG FROM MOUNTAIN S-GRAPH									
221	UI	5318.	2417.	1164.	735.	482.	381.	309.	246.	192.	149.
222	UI	85.6	54.3	54.3	54.3	34.1					
223	KK	F									
224	KM	SPLIT									
225	HC	3									
226	ZW	A=S.J.RIVER CP-F B=F C=FLOW D=01APR92 E=1HOUR F=									
227	KK	F-F1 ROUTE									
228	KM	ROUTE FROM SPLIT TO DAVIST ST(flows confluence)									
229	KM	BASED ON SV-SQ DATA FROM HEC-RAS Updated 14Apr2010- MLA									
230	KM	MYSTIC LAKE FULL CONDITIONS - I.E. 1424 WSE									
231	KM	Time Step (Ave Travel Time = 1.21 Hours - Divide by 1.5 Vw=0.85hr)									
232	KM	Because of this use NSTPS = 1 jcc 9 Feb 2010									
233	RS	1	STOR	-1							
234	SV	0	323	477	756	1089	1399	1769	2396	3861	4797
235	SV	5197	5620	5974	6312	7535	8774				
236	SQ	0	500	1000	2000	4000	6000	8000	10000	15000	20000
237	SQ	25000	30000	35000	40000	60000	80000				

day3.out

238 ZW A=S.J.RIVER ROUTE F-F1 B=F-F1 C=FLOW D=01APR92 E=1HOUR F=

239 KK F1-G ROUTE

240 KM ROUTE DAVIS ST TO RAMONA EXPRESSWAY

241 KM BASED ON SV-SQ DATA FROM HEC-RAS Updated 14Apr2010- MLA

242 KM Time Step (Ave Travel Time = 1.93 Hours - Divide by 1.5 Vw=1.29hr)

243 KM Because of this use NSTPS = 1 jcc 9 Feb 2010

244 RS	1	STOR	-1							
245 SV	0	264	420	750	1477	2316	3171	4009	5337	6072
246 SV	6339	6631	6869	7092	7863	8661				
247 SQ	0	500	1000	2000	4000	6000	8000	10000	15000	20000
248 SQ	25000	30000	35000	40000	60000	80000				

249 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

250 KK	12A	LAKEVIEW SUB-AREA	(30% FOOTHILL)							
251 KM		COMBINE LAKEVIEW SUB-AREA AT THE U/S OF RAMONA EXPWY PER CDJ.								
252 BA	12.26	0	0.30							
253 PB	1.518									
254 IN	15	01APR92	0030							
255 PI	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
256 PI	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003
257 PI	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004
258 PI	0.004	0.004	0.005	0.005	0.005	0.005	0.010	0.014	0.018	0.022
259 PI	0.005	0.005	0.018	0.018	0.016	0.017	0.011	0.015	0.038	0.042
260 PI	0.049	0.053	0.069	0.070	0.035	0.036	0.049	0.047	0.047	0.045
261 PI	0.042	0.039	0.027	0.027	0.001	0.001	0.001	0.001	0.002	0.002
262 PI	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
263 PI	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
264 PI	0.001	0.001	0.001	0.001	0.001	0.001				
265 LU	0	0								
266 KM		UHG FROM AVERAGE FULLERTON - SAN JOSE S-GRAPH								
267 UI	5203.	1918.	587.	104.	72.	24.				

268 KK	12A1	LAKEVIEW SUB-AREA	(70% VALLEY)							
269 KM		COMBINE LAKEVIEW SUB-AREA AT THE U/S OF RAMONA EXPWY PER CDJ.								
270 BA	12.26	0	0.70							
271 PB	1.518									
272 IN	15	01APR92	0030							
273 PI	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
274 PI	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003
275 PI	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004
276 PI	0.004	0.004	0.005	0.005	0.005	0.005	0.010	0.014	0.018	0.022
277 PI	0.005	0.005	0.018	0.018	0.016	0.017	0.011	0.015	0.038	0.042
278 PI	0.049	0.053	0.069	0.070	0.035	0.036	0.049	0.047	0.047	0.045
279 PI	0.042	0.039	0.027	0.027	0.001	0.001	0.001	0.001	0.002	0.002
280 PI	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
281 PI	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
282 PI	0.001	0.001	0.001	0.001	0.001	0.001				

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                                day3.out
283      LU      0      0
284      KM      UHG FROM VALLEY S-GRAPH
285      UI      5042.   1654.   601.   320.   166.   99.   24.

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

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

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

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301      KK      13 SUBAREA 13
302      KM      NUEVO(40% MOUNTAIN)
303      KM      COMBINE AT THE D/S OF RAMONA EXPWY PER CDJ
304      BA      25.74      0      0.4
305      PB      1.717
306      IN      15 01APR92      0020
307      PI      0.001      0.001      0.001      0.001      0.001      0.001      0.001      0.001      0.001      0.001
308      PI      0.001      0.001      0.001      0.001      0.001      0.002      0.002      0.002      0.002      0.002
309      PI      0.002      0.002      0.002      0.002      0.003      0.003      0.003      0.003      0.003      0.003
310      PI      0.004      0.004      0.004      0.004      0.005      0.007      0.014      0.017      0.021      0.024
311      PI      0.004      0.005      0.020      0.021      0.018      0.019      0.013      0.017      0.038      0.041
312      PI      0.048      0.051      0.066      0.067      0.035      0.036      0.048      0.045      0.046      0.043
313      PI      0.041      0.038      0.027      0.028      0.001      0.001      0.001      0.001      0.001      0.001
314      PI      0.001      0.001      0.001      0.001      0.001      0.001      0.001      0.001      0.001      0.001
315      PI      0.001      0.001      0.001      0.001      0.001      0.001      0.001      0.001      0.001      0.001
316      PI      0.001      0.001      0.001      0.001      0.001      0.001
317      LU      0      0
318      KM      UHG FROM MOUNTAIN S-GRAPH
319      UI      4499.   4599.   1816.   1212.   853.   658.   484.   397.   348.   306.
320      UI      266.   231.   191.   160.   139.   121.   50.   50.   50.   50.
321      UI      50.5   50.5   19.0

322      KK      13 SUBAREA 13
323      KM      NUEVO(60% VALLEY)
324      KM      COMBINE AT THE D/S OF RAMONA EXPWY PER CDJ
325      BA      25.74      0      0.6
326      PB      1.717

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day3.out

327	IN	15	01APR92	0020							
328	PI	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
329	PI	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002
330	PI	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003
331	PI	0.004	0.004	0.004	0.004	0.005	0.007	0.014	0.017	0.021	0.024
332	PI	0.004	0.005	0.020	0.021	0.018	0.019	0.013	0.017	0.038	0.041
333	PI	0.048	0.051	0.066	0.067	0.035	0.036	0.048	0.045	0.046	0.043
334	PI	0.041	0.038	0.027	0.028	0.001	0.001	0.001	0.001	0.001	0.001
335	PI	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
336	PI	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
337	PI	0.001	0.001	0.001	0.001	0.001	0.001				
338	LU	0	0								
339	KM	UHG FROM VALLEY	S-GRAPH								
340	UI	3331.	6377.	2585.	1309.	803.	580.	416.	326.	259.	187.
341	UI	141.	92.	92.	92.	11.					
342	KK	NUEVDS									
343	KM	COMBINE THE SAN JACINTO RIVER WITH SUBAREAS 12&13									
344	HC	3	0								
345	KK	14	SUBAREA 14								
346	KM		PERRIS VALLEY								
347	KM	1									
348	KM		THE FOLLOWING INFORMATION WERE OBTAINED FROM PREVIOUS WORKS								
349	KM		PERFORMED BY B.C. & C.V.A. DATED 4/88. FILENAME :CP4.DAT								
350	KM		THE PERRIS VALLEY AREA INCLUDED THE PIGEON PASS DRAINAGE AREAS.								
351	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
352	KM	ALL HYDROGRAPHS ADJUSTED FOR YIELD AT NUEVO RD. / CP-4									
353	KM	INFLOW TO PIGEON PASS RESERVIOR									
354	KM	ULTIMATE DEVELOPMENT ALL BASINS IN PLACE									
355	BA	9.031									
356	PB	1.397									
357	IN	30	01APR92	0010							
358	PI	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.004	0.005
359	PI	0.004	0.005	0.006	0.006	0.007	0.008	0.010	0.010	0.026	0.041
360	PI	0.010	0.037	0.033	0.026	0.080	0.101	0.139	0.071	0.095	0.091
361	PI	0.081	0.054	0.003	0.002	0.003	0.003	0.003	0.002	0.002	0.002
362	PI	0.002	0.002	0.002	0.002	0.002	0.001	0.001	0.001		
363	LU	0	0								
364	KM	UHG FROM VALLEY	S-GRAPH								
365	UI	3898.	1128.	417.	215.	104.	62.				
366	KK	PB									
367	KM	PIGEON PASS RESERVOIR ROUTING									
368	RS	1	ELEV	1670							
369	SV	0	24	124	314	565	885	1720	1720		
370	SE	1670	1676	1680	1684	1688	1692	1696	1700		
371	SQ	0	80	90	100	110	120	130			

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                                day3.out
372      SE      1670      1671      1674      1678      1683.5      1689.5      1695.5

373      KK      IA
374      KM      LOCAL AREA TRIBUTARY TO INDIAN-FESTIVAL BASIN
375      BA      1.172
376      PB      1.410
377      IN      30 01APR92      0010
378      PI      0.002      0.002      0.002      0.002      0.003      0.003      0.003      0.003      0.004      0.005
379      PI      0.004      0.005      0.006      0.006      0.007      0.008      0.009      0.010      0.026      0.041
380      PI      0.009      0.037      0.033      0.026      0.080      0.101      0.138      0.071      0.095      0.091
381      PI      0.081      0.054      0.003      0.002      0.003      0.003      0.003      0.002      0.002      0.002
382      PI      0.002      0.002      0.002      0.002      0.002      0.001      0.001      0.001
383      LU      0      0
384      KM      UHG FROM VALLEY S-GRAPH
385      UI      713.      43.

386      KK      IA
387      KM      INFLOW HYDROGRAPH FOR INDIAN-FESTIVAL BASIN
388      HC      2

389      KK      IB
390      KM      INDIAN STREET (FESTIVAL) BASIN ROUTING
391      RS      1      ELEV      1635.5
392      SA      0      .57      3.52      8.9      10.9      11.1      11.3      11.5      11.6      11.7
393      SA      11.9      12.1
394      SE      1635.5      1636      1637      1638      1639      1640      1641      1642      1643      1644
395      SE      1645      1646
396      SQ      0      15      23      56      88      117      137      155      173      189
397      SQ      205      220

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HEC-1 INPUT

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

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398      KK      LA
399      KM      TRIBUTARY AREA FOR LASSELLE BASIN
400      BA      .689
401      PB      1.525
402      IN      30 01APR92      0010
403      PI      0.002      0.002      0.002      0.002      0.003      0.003      0.003      0.003      0.004      0.005
404      PI      0.004      0.005      0.006      0.006      0.007      0.008      0.009      0.010      0.026      0.041
405      PI      0.009      0.037      0.033      0.027      0.080      0.101      0.138      0.071      0.095      0.091
406      PI      0.081      0.054      0.003      0.002      0.003      0.003      0.003      0.002      0.002      0.002
407      PI      0.002      0.002      0.002      0.002      0.002      0.001      0.001      0.001
408      LU      0      0
409      KM      UHG FROM AVERAGE FULLERTON - SAN JOSE S-GRAPH
410      UI      429.      16.

411      KK      LB
412      KM      LASSELLE BASIN ROUTING
413      RS      1      ELEV      1734
414      SV      0      .5      1.75      4.25      9.75      29      47.5

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						day3.out					
415	SE	1734	1735	1736	1737	1739	1742	1745			
416	SQ	0	20	40	60	75	235	800			
417	SE	1734	1736	1739	1745	1745.5	1746	1747			
418	KK	NA									
419	KM	TRIBUTARY AREA FOR NASON BASIN									
420	BA	4.329									
421	PB	1.918									
422	IN	30	01APR92	0010							
423	PI	0.001	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.004
424	PI	0.003	0.004	0.005	0.005	0.005	0.007	0.009	0.018	0.036	0.048
425	PI	0.016	0.044	0.041	0.034	0.078	0.095	0.126	0.070	0.090	0.086
426	PI	0.077	0.055	0.002	0.002	0.003	0.002	0.002	0.001	0.002	0.001
427	PI	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001		
428	LU	0	0								
429	KM	UHG FROM AVERAGE FULLERTON - SAN JOSE S-GRAPH									
430	UI	1923.	641.	175.	27.	26.					
431	KK	NB									
432	KM	NASON BASIN ROUTING									
433	RS	1	ELEV	58							
434	SV	0	5.1	21.8	47.6	357					
435	SE	58	60	62	64	84					
436	SQ	0	7.6	29.8	65.2	113	173	239	270	296.4	320.7
437	SQ	342	363	382.7	419.2	452.8	484	513.4	541.2	567.6	592.8
438	SE	58	58.8	59.7	60.6	61.6	62.6	63.9	65	66	67
439	SE	68	69	70	72	74	76	78	80	82	84
440	KK	SA									
441	KM	AREA TRIBUTARY TO SINCLAIR BASIN									
442	BA	4.34									
443	PB	1.750									
444	IN	30	01APR92	0010							
445	PI	0.001	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.004	0.004
446	PI	0.004	0.005	0.005	0.006	0.006	0.007	0.009	0.013	0.032	0.046
447	PI	0.011	0.042	0.038	0.032	0.079	0.098	0.131	0.071	0.092	0.088
					HEC-1 INPUT						
LINE	ID	1	2	3	4	5	6	7	8	9	10
448	PI	0.079	0.055	0.002	0.002	0.003	0.003	0.002	0.001	0.002	0.001
449	PI	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001		
450	LU	0	0								
451	KM	UHG FROM AVERAGE FULLERTON - SAN JOSE S-GRAPH									
452	UI	1969.	624.	156.	28.	22.					
453	KM	SINCLAIR BASIN ROUTING REMOVED TO REFLECT EXISTING CONDITIONS									
454	KM	JCC 21 AUG 2009									
455	KK	CP1									
456	KM	COMBINE ALL SUNNY/MOR BASIN OUTFLOWS									
457	HC	4									

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                                day3.out
458      KK      CP4A
459      KM      TOTAL WATERSHED ABOVE CP4 EXCLUDING BASIN AREAS
460      BA      62.87
461      PB      1.580
462      IN      30 01APR92      0010
463      PI      0.001 0.002 0.002 0.002 0.002 0.003 0.003 0.003 0.004 0.004
464      PI      0.004 0.005 0.005 0.006 0.006 0.007 0.009 0.012 0.032 0.045
465      PI      0.010 0.041 0.038 0.031 0.079 0.098 0.132 0.071 0.093 0.089
466      PI      0.079 0.055 0.002 0.002 0.003 0.003 0.002 0.001 0.002 0.001
467      PI      0.002 0.001 0.001 0.001 0.001 0.001 0.001 0.001
468      LU      0      0
469      KM      UHG FROM VALLEY S-GRAPH
470      UI      13598. 14837. 4768. 2487. 1625. 1087. 788. 579. 300. 300.
471      UI      182.

472      KK      SEATA
473      KM      AREA TRIBUTARY TO SEATON BASIN
474      BA      3.01
475      PB      1.762
476      IN      30 01APR92      0010
477      PI      0.001 0.002 0.002 0.002 0.002 0.003 0.003 0.003 0.003 0.004
478      PI      0.003 0.004 0.005 0.005 0.006 0.007 0.008 0.017 0.035 0.048
479      PI      0.015 0.044 0.040 0.034 0.078 0.096 0.127 0.070 0.090 0.086
480      PI      0.077 0.055 0.002 0.002 0.003 0.002 0.002 0.001 0.002 0.001
481      PI      0.002 0.001 0.001 0.001 0.001 0.001 0.001 0.001
482      LU      0      0
483      KM      UHG FROM AVERAGE FULLERTON - SAN JOSE S-GRAPH
484      UI      1433. 398. 80. 21. 9.
485      KM      SEATON BASIN ROUTING REMOVED TO REFLECT EXISTING CONDITIONS
486      KM      JCC 21 AUG 2009

487      KK      CP4
488      KM      TOTAL HYDROGRAPH AT CP4 / NUEVO ROAD
489      HC      3

490      KK      COMB
491      KM      COMBINED PERRIS VALLEY WITH THE PREVIOUS HYDROGRAPHS
492      HC      2      0

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

493      KK      15B ROMOLAND SUB-AREA (B-SYSTEM)
494      KM      COMBINE DRAINAGE AREA FOR LINE B AT THE UPSTREAM OF I-215
495      KM      PER CDJ. HYDROLOGY INFO. WERE TAKEN FROM MDP BACKUPS
496      KM      UHG 30%Foothill
497      BA      4.27      0.3
498      PB      1.904
499      IN      15 01APR92      0015
500      PI      0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001
501      PI      0.001 0.001 0.001 0.001 0.001 0.002 0.002 0.002 0.002 0.002

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                                day3.out
502    PI    0.002    0.002    0.002    0.002    0.002    0.002    0.003    0.003    0.003    0.003
503    PI    0.003    0.003    0.004    0.004    0.008    0.011    0.016    0.019    0.023    0.026
504    PI    0.008    0.008    0.022    0.022    0.020    0.020    0.016    0.019    0.037    0.041
505    PI    0.046    0.049    0.063    0.063    0.035    0.035    0.046    0.044    0.044    0.042
506    PI    0.040    0.037    0.027    0.028    0.001    0.001    0.001    0.001    0.001    0.001
507    PI    0.001    0.001    0.001    0.001    0.001    0.001    0.001    0.001    0.001    0.001
508    PI    0.001    0.001    0.001    0.001    0.001    0.001    0.001    0.001    0.001    0.001
509    PI    0.001    0.001    0.001    0.001    0.001    0.001
510    LU      0      0
511    KM    UHG FROM AVERAGE FULLERTON - SAN JOSE S-GRAPH
512    UI    1981.    593.    134.    29.    18.

513    KK    15B1ROMOLAND SUB-AREA (B-SYSTEM)
514    KM    UHG 70% VALLEY
515    BA    4.27      0.7
516    PB    1.904
517    IN    15 01APR92    0015
518    PI    0.001    0.001    0.001    0.001    0.001    0.001    0.001    0.001    0.001    0.001
519    PI    0.001    0.001    0.001    0.001    0.001    0.002    0.002    0.002    0.002    0.002
520    PI    0.002    0.002    0.002    0.002    0.002    0.002    0.003    0.003    0.003    0.003
521    PI    0.003    0.003    0.004    0.004    0.008    0.011    0.016    0.019    0.023    0.026
522    PI    0.008    0.008    0.022    0.022    0.020    0.020    0.016    0.019    0.037    0.041
523    PI    0.046    0.049    0.063    0.063    0.035    0.035    0.046    0.044    0.044    0.042
524    PI    0.040    0.037    0.027    0.028    0.001    0.001    0.001    0.001    0.001    0.001
525    PI    0.001    0.001    0.001    0.001    0.001    0.001    0.001    0.001    0.001    0.001
526    PI    0.001    0.001    0.001    0.001    0.001    0.001    0.001    0.001    0.001    0.001
527    PI    0.001    0.001    0.001    0.001    0.001    0.001
528    LU      0      0
529    KM    UHG FROM VALLEY S-GRAPH
530    UI    1912.    501.    188.    96.    41.    16.

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

533    KK    H      US@215
534    KM      US@215
535    KM    COMBINE THE NUEVO RD., PERRIS, AND ROMOLAND HYDROGRAPHS
536    HC      2      0
537    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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538    KK    H-I ROUTE
539    KM    ROUTE SAN JACINTO RIVER FROM I-215 TO CONCENTRATION POINT I
540    KM    BASED ON SV-SQ DATA FROM HEC-RAS Updated 14 Jan 2010
541    KM    Time Step (Ave Travel Time = 5.13 Hours - Divide by 1.5 Vw=3.42hr)
542    KM    Because of this use NSTPS = 3 jcc 9 Feb 2010
543    RS      3    STOR      -1
544    SV      0    156    291    878    3673    4783    5881    6288    8059    10737
545    SV    13406    15955    18408    20812    29306    36900

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                                day3.out
546      SQ      0      500      1000      2000      4000      6000      8000      10000      15000      20000
547      SQ 25000  30000  35000  40000  60000  80000
548      ZW      A=S.J.RIVER ROUTE H-I B=H-I C=FLOW D=01APR92 E=1HOUR F=

549      KK      15A ROMOLAND SUB-AREA (A-SYSTEM)
550      KM      COMBINE HOMELAND, ROMOLAND (A-SYSTEM) AND THE REMAINING AREA AT THE
551      KM      D/S OF I-215 FWY PER CDJ
552      BA 28.11
553      PB 1.861
554      IN      15 01APR92      0015
555      PI 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001
556      PI 0.001 0.001 0.001 0.001 0.001 0.001 0.002 0.002 0.002 0.002 0.002
557      PI 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.003 0.003 0.003 0.003
558      PI 0.003 0.003 0.004 0.004 0.007 0.010 0.016 0.019 0.022 0.025
559      PI 0.007 0.008 0.022 0.022 0.020 0.020 0.015 0.019 0.038 0.041
560      PI 0.046 0.049 0.063 0.063 0.035 0.035 0.046 0.044 0.044 0.042
561      PI 0.040 0.037 0.027 0.028 0.001 0.001 0.001 0.001 0.001 0.001
562      PI 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001
563      PI 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001
564      PI 0.001 0.001 0.001 0.001 0.001 0.001
565      LU      0      0
566      KM      UHG FROM VALLEY S-GRAPH
567      UI 7956. 5752. 1833. 981. 622. 412. 267. 159. 148.

568      KK      I
569      KM      ENTRANCE TO RAILROAD CANYON DAM
570      HC      2      0
571      ZW      A=S.J.RIVER CP-I B=I C=FLOW D=01APR92 E=1HOUR F=

572      KK      I-J
573      KM      ROUTE FROM C.P.I TO C.P.J
574      KM      FROM S.J.RIVER STAGE III PLAN & PROFILE, VELOCITY=3.6 FT/SEC
575      KM      TRAVEL DISTANCE =24,288 FT.
576      RT      1      2      0

577      KK      17 SUBAREA 17
578      KM      SALT CREEK
579      BA 123.91
580      PB 1.699
581      IN      15 01APR92      0040
582      PI 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001
583      PI 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002
584      PI 0.002 0.002 0.002 0.002 0.003 0.003 0.003 0.003 0.003 0.003 0.003
585      PI 0.004 0.004 0.005 0.005 0.005 0.006 0.012 0.016 0.020 0.023
586      PI 0.005 0.005 0.019 0.020 0.017 0.018 0.012 0.016 0.038 0.042
587      PI 0.048 0.052 0.068 0.068 0.035 0.036 0.048 0.046 0.046 0.044

                                HEC-1 INPUT
1
LINE      ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
588      PI 0.041 0.039 0.027 0.028 0.001 0.001 0.001 0.001 0.002 0.002
589      PI 0.002 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001

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PAGE 13

						day3.out					
590	PI	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
591	PI	0.001	0.001	0.001	0.001	0.001	0.001				
592	LU	0	0								
593	KM	UHG FROM MOUNTAIN S-GRAPH									
594	UI	7481.	17797.	13137.	7282.	4868.	3815.	3168.	2450.	2175.	1830.
595	UI	1661.	1370.	1145.	1059.	994.	900.	878.	780.	774.	659.
596	UI	659.	560.	502.	502.	441.	365.	365.	365.	351.	133.
597	UI	133.	133.	133.	133.	133.	133.	133.	133.	133.	133.
598	UI	130.									
599	KK	16 SUBAREA 16									
600	KM	RAILROAD CANYON									
601	BA	26.04									
602	PB	2.028									
603	IN	30	01APR92	0015							
604	PI	0.001	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.004
605	PI	0.003	0.004	0.005	0.005	0.005	0.006	0.010	0.020	0.037	0.049
606	PI	0.017	0.045	0.041	0.035	0.078	0.094	0.124	0.069	0.089	0.085
607	PI	0.076	0.055	0.002	0.002	0.003	0.002	0.002	0.001	0.002	0.001
608	PI	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001		
609	LU	0	0								
610	KM	UHG FROM MOUNTAIN S-GRAPH									
611	UI	4825.	4516.	1821.	1215.	851.	656.	486.	402.	352.	309.
612	UI	264.	220.	199.	147.	144.	86.	53.	53.	53.	53.
613	UI	52.5	40.2								
614	KK	J(US)									
615	KM	UPSTREAM OF RAILROAD CANYON									
616	KM	COMBINE THE R.R.CYN., SALT CREEK, & SHALLOW POND OUTFLOW HYDROGRAPHS									
617	HC	3	0								
618	ZW	A=S.J.RIVER CP-J(US) B=J(US) C=FLOW D=01APR92 E=1HOUR F=									
619	KK	J(DS) RAILROAD CANYON DAM									
620	KM	RATING CURVE WAS OBTAINED FROM PREVIOUS WORK DONE BY COOK, DATED 10/2/73									
621	RS	1	STOR	0							
622	SV	0	835.93	1671.87	2507.80	3343.74	4179.67	5015.60	5851.54	6687.47	7523.41
623	SV	8359.3	9195.27	10031.21	10867.14	11703.08	12539.01	13374.95	14210.88	15046.81	15214
624	SE	1381.8	1382.8	1383.8	1384.8	1385.8	1386.8	1387.8	1388.8	1389.8	1390.8
625	SE	1391.8	1392.8	1393.8	1394.8	1395.8	1396.8	1397.8	1398.8	1399.8	1400
626	SQ	0	538	1591.6	3023.8	4765.3	6851.3	9204.3	11781.1	14614.4	17699.2
627	SQ	21031.	24546.7	28215.9	32090.6	36078.4	41478.2	48467.1	55911.2	64285.1	66000
628	ZW	A=S.J.RIVER CP-J(DS) B=J(DS) C=FLOW D=01APR92 E=1HOUR F=									
629	ZZ										

1

SCHEMATIC DIAGRAM OF STREAM NETWORK

INPUT
LINE

(V) ROUTING (--->) DIVERSION OR PUMP FLOW

NO. (.) CONNECTOR (<---) RETURN OF DIVERTED OR PUMPED FLOW

16

2

.

day3.out

```
33      .      3
      .      .
      .      .
49      .      .      4
      .      .      .
      .      .      .
65      A .....
      V
      V
69      A-B
      .
      .
75      .      6
      .      .
      .      .
90      .      .      5
      .      .      .
      .      .      .
105     B .....
      .
      .
109     .      7
      .      .
      .      .
128     C .....
      .
      .
132     .      8
      .      .
      .      .
151     D .....
      .
      .
155     .      9
      .      .
      .      .
169     E .....
      V
      V
173     E-F
      .
      .
185     .      10
      .      .
      .      .
204     .      .      11
      .      .      .
      .      .      .
223     F .....
      V
      V
```

day3.out

```
227      F-F1
        V
        V
239      F1-G
        .
250      .      12A
        .      .
268      .      .      12A1
        .      .      .
286      G      .      .      .
        V      .      .      .
        V      .      .      .
290      G-H      .      .      .
        .      .      .      .
301      .      13      .
        .      .      .
322      .      .      13
        .      .      .
342      NUEVDS.....
        .
345      .      14
        .      V
        .      V
366      .      PB
        .      .
373      .      .      IA
        .      .      .
386      .      IA.....
        .      V
        .      V
389      .      IB
        .      .
398      .      .      LA
        .      .      V
        .      .      V
411      .      .      LB
        .      .      .
418      .      .      .      NA
        .      .      .      V
        .      .      .      V
431      .      .      .      NB
```

day3.out

440

455

458

472

487

490

493

513

531

533

538

549

568

572

577

599

614

CP1

CP4A

SEATA

CP4

COMB

15B

15B1

15B7

H

V

V

H-I

15A

I

V

V

I-J

17

16

J(US)

V

SA

day3.out

619 J(DS)^V

(***) RUNOFF ALSO COMPUTED AT THIS LOCATION
1*****
*
* FLOOD HYDROGRAPH PACKAGE (HEC-1) *
* JUN 1998 *
* VERSION 4.1 *
*
* RUN DATE 03MAY16 TIME 17:24:18 *
*

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

DAY 3
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
LENGTH, ELEVATION FEET
FLOW CUBIC FEET PER SECOND
STORAGE VOLUME ACRE-FEET
SURFACE AREA ACRES

TEMPERATURE DEGREES FAHRENHEIT day3.out

*** **

* *
16 KK 2 * SUBAREAS 1 & 2
* *

SAN JACINTO MOUNTAIN AT BAUTISTA CREEK

20 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

18 BA SUBBASIN CHARACTERISTICS
 TAREA 178.50 SUBBASIN AREA

PRECIPITATION DATA

19 PB STORM 3.45 BASIN TOTAL PRECIPITATION

21 PI INCREMENTAL PRECIPITATION PATTERN
 .00 .00 .00 .00 .00 .01 .01 .01 .01 .03
 .07 .08 .08 .13 .18 .17 .14 .05 .00 .00
 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00

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

24 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

HYDROGRAPH AT STATION 2

day3.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	1252.
1	APR	0100	2	.00	.00	.00	0.	*	3	APR	0300	52	.00	.00	.00	1157.
1	APR	0200	3	.01	.00	.01	43.	*	3	APR	0400	53	.00	.00	.00	1076.
1	APR	0300	4	.01	.00	.01	157.	*	3	APR	0500	54	.00	.00	.00	952.
1	APR	0400	5	.01	.00	.01	359.	*	3	APR	0600	55	.00	.00	.00	799.
1	APR	0500	6	.02	.00	.02	581.	*	3	APR	0700	56	.00	.00	.00	655.
1	APR	0600	7	.02	.00	.02	803.	*	3	APR	0800	57	.00	.00	.00	548.
1	APR	0700	8	.02	.00	.02	1030.	*	3	APR	0900	58	.00	.00	.00	509.
1	APR	0800	9	.03	.00	.03	1281.	*	3	APR	1000	59	.00	.00	.00	504.
1	APR	0900	10	.03	.00	.03	1571.	*	3	APR	1100	60	.00	.00	.00	499.
1	APR	1000	11	.10	.00	.10	2415.	*	3	APR	1200	61	.00	.00	.00	494.
1	APR	1100	12	.25	.00	.25	4758.	*	3	APR	1300	62	.00	.00	.00	489.
1	APR	1200	13	.28	.00	.28	8692.	*	3	APR	1400	63	.00	.00	.00	485.
1	APR	1300	14	.27	.00	.27	13169.	*	3	APR	1500	64	.00	.00	.00	479.
1	APR	1400	15	.45	.00	.45	17533.	*	3	APR	1600	65	.00	.00	.00	472.
1	APR	1500	16	.61	.00	.61	23112.	*	3	APR	1700	66	.00	.00	.00	454.
1	APR	1600	17	.60	.00	.60	30463.	*	3	APR	1800	67	.00	.00	.00	418.
1	APR	1700	18	.49	.00	.49	36392.	*	3	APR	1900	68	.00	.00	.00	378.
1	APR	1800	19	.19	.00	.19	37108.	*	3	APR	2000	69	.00	.00	.00	338.
1	APR	1900	20	.01	.00	.01	32488.	*	3	APR	2100	70	.00	.00	.00	271.
1	APR	2000	21	.01	.00	.01	24631.	*	3	APR	2200	71	.00	.00	.00	184.
1	APR	2100	22	.01	.00	.01	18120.	*	3	APR	2300	72	.00	.00	.00	100.
1	APR	2200	23	.01	.00	.01	14374.	*	4	APR	0000	73	.00	.00	.00	34.
1	APR	2300	24	.01	.00	.01	12117.	*	4	APR	0100	74	.00	.00	.00	9.
2	APR	0000	25	.01	.00	.01	10507.	*	4	APR	0200	75	.00	.00	.00	8.
2	APR	0100	26	.01	.00	.01	9204.	*	4	APR	0300	76	.00	.00	.00	6.
2	APR	0200	27	.00	.00	.00	8134.	*	4	APR	0400	77	.00	.00	.00	4.
2	APR	0300	28	.00	.00	.00	7205.	*	4	APR	0500	78	.00	.00	.00	3.
2	APR	0400	29	.00	.00	.00	6401.	*	4	APR	0600	79	.00	.00	.00	2.
2	APR	0500	30	.00	.00	.00	5707.	*	4	APR	0700	80	.00	.00	.00	1.
2	APR	0600	31	.00	.00	.00	5123.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	4623.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	4198.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	3864.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	3613.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	3406.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	3225.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	3053.	*	4	APR	1500	88	.00	.00	.00	0.
2	APR	1400	39	.00	.00	.00	2896.	*	4	APR	1600	89	.00	.00	.00	0.
2	APR	1500	40	.00	.00	.00	2739.	*	4	APR	1700	90	.00	.00	.00	0.
2	APR	1600	41	.00	.00	.00	2568.	*	4	APR	1800	91	.00	.00	.00	0.
2	APR	1700	42	.00	.00	.00	2419.	*	4	APR	1900	92	.00	.00	.00	0.
2	APR	1800	43	.00	.00	.00	2279.	*	4	APR	2000	93	.00	.00	.00	0.
2	APR	1900	44	.00	.00	.00	2130.	*	4	APR	2100	94	.00	.00	.00	0.
2	APR	2000	45	.00	.00	.00	1974.	*	4	APR	2200	95	.00	.00	.00	0.
2	APR	2100	46	.00	.00	.00	1831.	*	4	APR	2300	96	.00	.00	.00	0.
2	APR	2200	47	.00	.00	.00	1716.	*	5	APR	0000	97	.00	.00	.00	0.

2 APR 2300	48	.00	.00	.00	1617.	*	5 APR 0100	98	.00	.00	.00	0.
3 APR 0000	49	.00	.00	.00	1511.	*	5 APR 0200	99	.00	.00	.00	0.
3 APR 0100	50	.00	.00	.00	1387.	*	5 APR 0300	100	.00	.00	.00	0.
						*						

TOTAL RAINFALL = 3.45, TOTAL LOSS = .00, TOTAL EXCESS = 3.45

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
(CFS)	(HR)	(CFS)				
+ 37108.	18.00	30283.	14206.	5515.	4011.	
		(INCHES)	1.577	2.960	3.447	3.447
		(AC-FT)	15016.	28177.	32816.	32819.

CUMULATIVE AREA = 178.50 SQ MI

-----DSS---ZOPEN: Existing File Opened, File: H1DSS.DSS
Unit: 71; DSS Version: 6-JG
-----DSS---ZWRITE Unit 71; Vers. 3: /S.J.RIVER CP-2/2/FLOW/01MAR1992/1HOUR//
-----DSS---ZWRITE Unit 71; Vers. 3: /S.J.RIVER CP-2/2/FLOW/01APR1992/1HOUR//

*** **

* *
33 KK * 3 * SUBAREA 3
* *

BAUTISTA CREEK

37 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

35 BA SUBBASIN CHARACTERISTICS
TAREA 51.38 SUBBASIN AREA

PRECIPITATION DATA

36 PB STORM 2.63 BASIN TOTAL PRECIPITATION

38 PI INCREMENTAL PRECIPITATION PATTERN
.00 .00 .00 .00 .00 .01 .01 .01 .01 .02

day3.out

.05	.08	.07	.11	.18	.19	.16	.09	.00	.00
.00	.00	.00	.00	.00	.00				

41 LU UNIFORM LOSS RATE

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

41 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	141.
1	APR	0100	2	.00	.00	.00	0.	*	3	APR	0300	52	.00	.00	.00	138.
1	APR	0200	3	.00	.00	.00	8.	*	3	APR	0400	53	.00	.00	.00	132.
1	APR	0300	4	.01	.00	.01	43.	*	3	APR	0500	54	.00	.00	.00	122.
1	APR	0400	5	.01	.00	.01	101.	*	3	APR	0600	55	.00	.00	.00	111.
1	APR	0500	6	.01	.00	.01	161.	*	3	APR	0700	56	.00	.00	.00	97.
1	APR	0600	7	.01	.00	.01	223.	*	3	APR	0800	57	.00	.00	.00	76.
1	APR	0700	8	.02	.00	.02	286.	*	3	APR	0900	58	.00	.00	.00	50.
1	APR	0800	9	.02	.00	.02	355.	*	3	APR	1000	59	.00	.00	.00	26.
1	APR	0900	10	.03	.00	.03	440.	*	3	APR	1100	60	.00	.00	.00	9.
1	APR	1000	11	.05	.00	.05	599.	*	3	APR	1200	61	.00	.00	.00	3.
1	APR	1100	12	.13	.00	.13	1072.	*	3	APR	1300	62	.00	.00	.00	2.
1	APR	1200	13	.21	.00	.21	2060.	*	3	APR	1400	63	.00	.00	.00	2.
1	APR	1300	14	.18	.00	.18	3066.	*	3	APR	1500	64	.00	.00	.00	1.
1	APR	1400	15	.28	.00	.28	3917.	*	3	APR	1600	65	.00	.00	.00	1.
1	APR	1500	16	.47	.00	.47	5552.	*	3	APR	1700	66	.00	.00	.00	1.
1	APR	1600	17	.49	.00	.49	7773.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.42	.00	.42	9241.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.23	.00	.23	9217.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	7550.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.01	.00	.01	5313.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.01	.00	.01	3882.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.01	.00	.01	3104.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.01	.00	.01	2604.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.01	.00	.01	2232.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.01	.00	.01	1942.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	1699.	*	4	APR	0400	77	.00	.00	.00	0.

						day3.out						
2 APR 0300	28	.00	.00	.00	1477.	*	4 APR 0500	78	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	1284.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	1134.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	1032.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	952.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	882.	*	4 APR 1000	83	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	816.	*	4 APR 1100	84	.00	.00	.00	0.
2 APR 1000	35	.00	.00	.00	753.	*	4 APR 1200	85	.00	.00	.00	0.
2 APR 1100	36	.00	.00	.00	695.	*	4 APR 1300	86	.00	.00	.00	0.
2 APR 1200	37	.00	.00	.00	637.	*	4 APR 1400	87	.00	.00	.00	0.
2 APR 1300	38	.00	.00	.00	578.	*	4 APR 1500	88	.00	.00	.00	0.
2 APR 1400	39	.00	.00	.00	531.	*	4 APR 1600	89	.00	.00	.00	0.
2 APR 1500	40	.00	.00	.00	486.	*	4 APR 1700	90	.00	.00	.00	0.
2 APR 1600	41	.00	.00	.00	438.	*	4 APR 1800	91	.00	.00	.00	0.
2 APR 1700	42	.00	.00	.00	392.	*	4 APR 1900	92	.00	.00	.00	0.
2 APR 1800	43	.00	.00	.00	352.	*	4 APR 2000	93	.00	.00	.00	0.
2 APR 1900	44	.00	.00	.00	315.	*	4 APR 2100	94	.00	.00	.00	0.
2 APR 2000	45	.00	.00	.00	273.	*	4 APR 2200	95	.00	.00	.00	0.
2 APR 2100	46	.00	.00	.00	225.	*	4 APR 2300	96	.00	.00	.00	0.
2 APR 2200	47	.00	.00	.00	182.	*	5 APR 0000	97	.00	.00	.00	0.
2 APR 2300	48	.00	.00	.00	154.	*	5 APR 0100	98	.00	.00	.00	0.
3 APR 0000	49	.00	.00	.00	146.	*	5 APR 0200	99	.00	.00	.00	0.
3 APR 0100	50	.00	.00	.00	143.	*	5 APR 0300	100	.00	.00	.00	0.

TOTAL RAINFALL = 2.63, TOTAL LOSS = .00, TOTAL EXCESS = 2.63

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	9241.	17.00	7325.	3270.	1212.	881.
		(INCHES)	1.325	2.367	2.631	2.631
		(AC-FT)	3632.	6486.	7209.	7209.

CUMULATIVE AREA = 51.38 SQ MI

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

*** **

49 KK	*	*
	*	*
	4	*
	*	*

SUBAREA 4		
POPPET CREEK		

day3.out

53 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

51 BA SUBBASIN CHARACTERISTICS
TAREA 15.76 SUBBASIN AREA

PRECIPITATION DATA

52 PB STORM 2.96 BASIN TOTAL PRECIPITATION

54 PI INCREMENTAL PRECIPITATION PATTERN
.00 .00 .00 .00 .00 .01 .01 .01 .01 .02
.05 .09 .08 .09 .18 .17 .16 .10 .00 .00
.00 .00 .00 .00 .00 .00

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

59 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	3.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.01	.00	.01	30.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	55.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	73.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.02	.00	.02	98.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.02	.00	.02	121.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.02	.00	.02	148.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.03	.00	.03	186.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.04	.00	.04	264.	*	3	APR	1200	61	.00	.00	.00	0.

						day3.out						
1 APR 1100	12	.15	.00	.15	650.	*	3 APR 1300	62	.00	.00	.00	0.
1 APR 1200	13	.25	.00	.25	1279.	*	3 APR 1400	63	.00	.00	.00	0.
1 APR 1300	14	.23	.00	.23	1609.	*	3 APR 1500	64	.00	.00	.00	0.
1 APR 1400	15	.27	.00	.27	1887.	*	3 APR 1600	65	.00	.00	.00	0.
1 APR 1500	16	.53	.00	.53	2921.	*	3 APR 1700	66	.00	.00	.00	0.
1 APR 1600	17	.52	.00	.52	3689.	*	3 APR 1800	67	.00	.00	.00	0.
1 APR 1700	18	.48	.00	.48	3922.	*	3 APR 1900	68	.00	.00	.00	0.
1 APR 1800	19	.31	.00	.31	3535.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.01	.00	.01	2302.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.01	.00	.01	1452.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.01	.00	.01	1094.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.01	.00	.01	862.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.01	.00	.01	705.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.01	.00	.01	594.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.01	.00	.01	517.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	443.	*	4 APR 0400	77	.00	.00	.00	0.
2 APR 0300	28	.00	.00	.00	359.	*	4 APR 0500	78	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	288.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	237.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	187.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	146.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	113.	*	4 APR 1000	83	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	87.	*	4 APR 1100	84	.00	.00	.00	0.
2 APR 1000	35	.00	.00	.00	78.	*	4 APR 1200	85	.00	.00	.00	0.
2 APR 1100	36	.00	.00	.00	68.	*	4 APR 1300	86	.00	.00	.00	0.
2 APR 1200	37	.00	.00	.00	51.	*	4 APR 1400	87	.00	.00	.00	0.
2 APR 1300	38	.00	.00	.00	33.	*	4 APR 1500	88	.00	.00	.00	0.
2 APR 1400	39	.00	.00	.00	16.	*	4 APR 1600	89	.00	.00	.00	0.
2 APR 1500	40	.00	.00	.00	5.	*	4 APR 1700	90	.00	.00	.00	0.
2 APR 1600	41	.00	.00	.00	2.	*	4 APR 1800	91	.00	.00	.00	0.
2 APR 1700	42	.00	.00	.00	1.	*	4 APR 1900	92	.00	.00	.00	0.
2 APR 1800	43	.00	.00	.00	1.	*	4 APR 2000	93	.00	.00	.00	0.
2 APR 1900	44	.00	.00	.00	1.	*	4 APR 2100	94	.00	.00	.00	0.
2 APR 2000	45	.00	.00	.00	1.	*	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 = 2.96, TOTAL LOSS = .00, TOTAL EXCESS = 2.96

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
			(CFS)			
+	3922.	17.00	3006.	1219.	418.	304.
			(INCHES)	2.877	2.961	2.961
			(AC-FT)	2418.	2488.	2488.

day3.out

CUMULATIVE AREA = 15.76 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 3: /S.J.RIVER CP-4/4/FLOW/01MAR1992/1HOUR//
-----DSS---ZWRITE Unit 71; Vers. 3: /S.J.RIVER CP-4/4/FLOW/01APR1992/1HOUR//

*** **

65 KK *****
* *
* A *
* *

BAUTISTA CREEK CONFLUENCE

67 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	11663.	*	3	APR	0200	51	1393.	*	4	APR	0300	76	6.
1	APR	0100	2	0.	*	2	APR	0200	27	10275.	*	3	APR	0300	52	1295.	*	4	APR	0400	77	4.
1	APR	0200	3	54.	*	2	APR	0300	28	9041.	*	3	APR	0400	53	1208.	*	4	APR	0500	78	3.
1	APR	0300	4	230.	*	2	APR	0400	29	7973.	*	3	APR	0500	54	1074.	*	4	APR	0600	79	2.
1	APR	0400	5	515.	*	2	APR	0500	30	7078.	*	3	APR	0600	55	910.	*	4	APR	0700	80	1.
1	APR	0500	6	815.	*	2	APR	0600	31	6341.	*	3	APR	0700	56	752.	*	4	APR	0800	81	0.
1	APR	0600	7	1124.	*	2	APR	0700	32	5722.	*	3	APR	0800	57	624.	*	4	APR	0900	82	0.
1	APR	0700	8	1438.	*	2	APR	0800	33	5193.	*	3	APR	0900	58	559.	*	4	APR	1000	83	0.
1	APR	0800	9	1785.	*	2	APR	0900	34	4767.	*	3	APR	1000	59	530.	*	4	APR	1100	84	0.
1	APR	0900	10	2196.	*	2	APR	1000	35	4444.	*	3	APR	1100	60	508.	*	4	APR	1200	85	0.
1	APR	1000	11	3278.	*	2	APR	1100	36	4168.	*	3	APR	1200	61	497.	*	4	APR	1300	86	0.
1	APR	1100	12	6481.	*	2	APR	1200	37	3913.	*	3	APR	1300	62	492.	*	4	APR	1400	87	0.
1	APR	1200	13	12031.	*	2	APR	1300	38	3663.	*	3	APR	1400	63	486.	*	4	APR	1500	88	0.
1	APR	1300	14	17844.	*	2	APR	1400	39	3444.	*	3	APR	1500	64	480.	*	4	APR	1600	89	0.
1	APR	1400	15	23337.	*	2	APR	1500	40	3229.	*	3	APR	1600	65	473.	*	4	APR	1700	90	0.
1	APR	1500	16	31585.	*	2	APR	1600	41	3009.	*	3	APR	1700	66	455.	*	4	APR	1800	91	0.
1	APR	1600	17	41926.	*	2	APR	1700	42	2812.	*	3	APR	1800	67	418.	*	4	APR	1900	92	0.
1	APR	1700	18	49554.	*	2	APR	1800	43	2632.	*	3	APR	1900	68	379.	*	4	APR	2000	93	0.
1	APR	1800	19	49860.	*	2	APR	1900	44	2446.	*	3	APR	2000	69	338.	*	4	APR	2100	94	0.
1	APR	1900	20	42339.	*	2	APR	2000	45	2248.	*	3	APR	2100	70	271.	*	4	APR	2200	95	0.
1	APR	2000	21	31396.	*	2	APR	2100	46	2057.	*	3	APR	2200	71	184.	*	4	APR	2300	96	0.

												day3.out			
1 APR 2100	22	23096.	*	2 APR 2200	47	1899.	*	3 APR 2300	72	100.	*	5 APR 0000	97	0.	
1 APR 2200	23	18340.	*	2 APR 2300	48	1771.	*	4 APR 0000	73	34.	*	5 APR 0100	98	0.	
1 APR 2300	24	15426.	*	3 APR 0000	49	1657.	*	4 APR 0100	74	9.	*	5 APR 0200	99	0.	
2 APR 0000	25	13333.	*	3 APR 0100	50	1530.	*	4 APR 0200	75	8.	*	5 APR 0300	100	0.	
												*			

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)					
		(CFS)					
+	49860.	18.00	40438.	18686.	7145.	5196.	
		(INCHES)	1.531	2.829	3.245	3.245	
		(AC-FT)	20052.	37063.	42514.	42516.	

CUMULATIVE AREA = 245.64 SQ MI

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

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*
69 KK * A-B * ROUTE BAUTISTA CK CONFL. TO MASSACRE CANYON CONFL. NEAR SANDERSON AVE.
*
*****

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

73 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

DA	MON	HRMN	ORD	FLOW	*	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	12498.	*	3	APR	0200	51	1462.	*	4	APR	0300	76	7.	*						

CUMULATIVE AREA = 245.64 SQ MI

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day3.out

79 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

77 BA SUBBASIN CHARACTERISTICS
 TAREA 35.42 SUBBASIN AREA

PRECIPITATION DATA

78 PB STORM 2.89 BASIN TOTAL PRECIPITATION

80 PI INCREMENTAL PRECIPITATION PATTERN
 .00 .00 .00 .00 .00 .01 .01 .01 .01 .05
 .09 .07 .08 .16 .18 .16 .13 .00 .00 .00
 .00 .00 .00 .00 .00 .00

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

85 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	1.
1	APR	0100	2	.00	.00	.00	0.	*	3	APR	0300	52	.00	.00	.00	1.
1	APR	0200	3	.01	.00	.01	33.	*	3	APR	0400	53	.00	.00	.00	1.
1	APR	0300	4	.01	.00	.01	92.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	128.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	163.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.02	.00	.02	205.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.02	.00	.02	268.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.02	.00	.02	326.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.03	.00	.03	417.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.13	.00	.13	900.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.27	.00	.27	2147.	*	3	APR	1300	62	.00	.00	.00	0.

						day3.out						
1 APR 1200	13	.21	.00	.21	3157.	*	3 APR 1400	63	.00	.00	.00	0.
1 APR 1300	14	.24	.00	.24	3460.	*	3 APR 1500	64	.00	.00	.00	0.
1 APR 1400	15	.47	.00	.47	4785.	*	3 APR 1600	65	.00	.00	.00	0.
1 APR 1500	16	.53	.00	.53	6831.	*	3 APR 1700	66	.00	.00	.00	0.
1 APR 1600	17	.47	.00	.47	7862.	*	3 APR 1800	67	.00	.00	.00	0.
1 APR 1700	18	.37	.00	.37	7835.	*	3 APR 1900	68	.00	.00	.00	0.
1 APR 1800	19	.01	.00	.01	6116.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.01	.00	.01	3716.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.01	.00	.01	2750.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.01	.00	.01	2190.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.01	.00	.01	1793.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.01	.00	.01	1505.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.01	.00	.01	1295.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.01	.00	.01	1140.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	1003.	*	4 APR 0400	77	.00	.00	.00	0.
2 APR 0300	28	.00	.00	.00	873.	*	4 APR 0500	78	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	771.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	678.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	595.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	510.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	432.	*	4 APR 1000	83	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	379.	*	4 APR 1100	84	.00	.00	.00	0.
2 APR 1000	35	.00	.00	.00	316.	*	4 APR 1200	85	.00	.00	.00	0.
2 APR 1100	36	.00	.00	.00	260.	*	4 APR 1300	86	.00	.00	.00	0.
2 APR 1200	37	.00	.00	.00	211.	*	4 APR 1400	87	.00	.00	.00	0.
2 APR 1300	38	.00	.00	.00	170.	*	4 APR 1500	88	.00	.00	.00	0.
2 APR 1400	39	.00	.00	.00	155.	*	4 APR 1600	89	.00	.00	.00	0.
2 APR 1500	40	.00	.00	.00	144.	*	4 APR 1700	90	.00	.00	.00	0.
2 APR 1600	41	.00	.00	.00	128.	*	4 APR 1800	91	.00	.00	.00	0.
2 APR 1700	42	.00	.00	.00	116.	*	4 APR 1900	92	.00	.00	.00	0.
2 APR 1800	43	.00	.00	.00	98.	*	4 APR 2000	93	.00	.00	.00	0.
2 APR 1900	44	.00	.00	.00	71.	*	4 APR 2100	94	.00	.00	.00	0.
2 APR 2000	45	.00	.00	.00	43.	*	4 APR 2200	95	.00	.00	.00	0.
2 APR 2100	46	.00	.00	.00	18.	*	4 APR 2300	96	.00	.00	.00	0.
2 APR 2200	47	.00	.00	.00	3.	*	5 APR 0000	97	.00	.00	.00	0.
2 APR 2300	48	.00	.00	.00	3.	*	5 APR 0100	98	.00	.00	.00	0.
3 APR 0000	49	.00	.00	.00	2.	*	5 APR 0200	99	.00	.00	.00	0.
3 APR 0100	50	.00	.00	.00	2.	*	5 APR 0300	100	.00	.00	.00	0.

TOTAL RAINFALL = 2.89, TOTAL LOSS = .00, TOTAL EXCESS = 2.89

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
			(CFS)			
+	7862.	16.00	6170.	2614.	918.	668.
			(INCHES)	1.619	2.745	2.892
			(AC-FT)	3059.	5186.	5463.

CUMULATIVE AREA = 35.42 SQ MI

day3.out

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* *
90 KK * 5 * SUBAREA 5
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SOBOBA-GILMAN

94 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

92 BA SUBBASIN CHARACTERISTICS
TAREA 12.07 SUBBASIN AREA

PRECIPITATION DATA

93 PB STORM 2.21 BASIN TOTAL PRECIPITATION

95 PI INCREMENTAL PRECIPITATION PATTERN
.00 .00 .00 .00 .01 .01 .01 .01 .03 .08
.06 .08 .16 .19 .17 .13 .01 .00 .00 .00
.00 .00 .00 .00 .00 .00

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

100 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

HYDROGRAPH AT STATION 5

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								day3.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	.01	.00	.01	12.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.01	.00	.01	27.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.01	.00	.01	38.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	51.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.02	.00	.02	69.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.02	.00	.02	84.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.02	.00	.02	101.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.02	.00	.02	124.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.07	.00	.07	241.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.19	.00	.19	590.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.14	.00	.14	798.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.18	.00	.18	906.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.36	.00	.36	1404.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.43	.00	.43	2017.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.37	.00	.37	2265.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.30	.00	.30	2186.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.03	.00	.03	1553.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	942.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	689.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.01	.00	.01	538.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	436.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	363.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	316.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	278.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	235.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	191.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	158.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	131.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	105.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	82.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	65.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	51.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	45.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	40.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	33.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	24.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	14.	*	4	APR	1500	88	.00	.00	.00	0.
2	APR	1400	39	.00	.00	.00	6.	*	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	1.	*	4	APR	1800	91	.00	.00	.00	0.
2	APR	1700	42	.00	.00	.00	1.	*	4	APR	1900	92	.00	.00	.00	0.
2	APR	1800	43	.00	.00	.00	1.	*	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.

day3.out

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TOTAL RAINFALL = 2.21, TOTAL LOSS = .00, TOTAL EXCESS = 2.21

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	72-HR	99.00-HR
(CFS)	(HR)			24-HR		
+		(CFS)				
+	2265.	15.00	1725.	694.	239.	174.
		(INCHES)	1.328	2.137	2.209	2.209
		(AC-FT)	855.	1376.	1422.	1422.
CUMULATIVE AREA =			12.07 SQ MI			

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105 KK *****
* *
* B *
* *

MASSACRE CANYON CONFLUENCE NEAR SANDERSON AVENUE

107 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	13873.	*	3	APR	0200	51	1463.	*	4	APR	0300	76	7.
1	APR	0100	2	12.	*	2	APR	0200	27	12163.	*	3	APR	0300	52	1345.	*	4	APR	0400	77	5.
1	APR	0200	3	87.	*	2	APR	0300	28	10689.	*	3	APR	0400	53	1252.	*	4	APR	0500	78	4.
1	APR	0300	4	272.	*	2	APR	0400	29	9409.	*	3	APR	0500	54	1141.	*	4	APR	0600	79	3.
1	APR	0400	5	551.	*	2	APR	0500	30	8309.	*	3	APR	0600	55	992.	*	4	APR	0700	80	2.
1	APR	0500	6	897.	*	2	APR	0600	31	7388.	*	3	APR	0700	56	831.	*	4	APR	0800	81	1.
1	APR	0600	7	1258.	*	2	APR	0700	32	6606.	*	3	APR	0800	57	688.	*	4	APR	0900	82	0.
1	APR	0700	8	1650.	*	2	APR	0800	33	5940.	*	3	APR	0900	58	592.	*	4	APR	1000	83	0.
1	APR	0800	9	2062.	*	2	APR	0900	34	5404.	*	3	APR	1000	59	544.	*	4	APR	1100	84	0.
1	APR	0900	10	2649.	*	2	APR	1000	35	4962.	*	3	APR	1100	60	519.	*	4	APR	1200	85	0.

day3.out														
1 APR 1000	11	4227.	*	2 APR 1100	36	4600.	*	3 APR 1200	61	502.	*	4 APR 1300	86	0.
1 APR 1100	12	7824.	*	2 APR 1200	37	4275.	*	3 APR 1300	62	494.	*	4 APR 1400	87	0.
1 APR 1200	13	13319.	*	2 APR 1300	38	3972.	*	3 APR 1400	63	489.	*	4 APR 1500	88	0.
1 APR 1300	14	19802.	*	2 APR 1400	39	3714.	*	3 APR 1500	64	483.	*	4 APR 1600	89	0.
1 APR 1400	15	27393.	*	2 APR 1500	40	3481.	*	3 APR 1600	65	477.	*	4 APR 1700	90	0.
1 APR 1500	16	36557.	*	2 APR 1600	41	3248.	*	3 APR 1700	66	464.	*	4 APR 1800	91	0.
1 APR 1600	17	46804.	*	2 APR 1700	42	3027.	*	3 APR 1800	67	436.	*	4 APR 1900	92	0.
1 APR 1700	18	55127.	*	2 APR 1800	43	2821.	*	3 APR 1900	68	398.	*	4 APR 2000	93	0.
1 APR 1800	19	56765.	*	2 APR 1900	44	2611.	*	3 APR 2000	69	358.	*	4 APR 2100	94	0.
1 APR 1900	20	50505.	*	2 APR 2000	45	2390.	*	3 APR 2100	70	304.	*	4 APR 2200	95	0.
1 APR 2000	21	40155.	*	2 APR 2100	46	2171.	*	3 APR 2200	71	227.	*	4 APR 2300	96	0.
1 APR 2100	22	29872.	*	2 APR 2200	47	1981.	*	3 APR 2300	72	142.	*	5 APR 0000	97	0.
1 APR 2200	23	22874.	*	2 APR 2300	48	1837.	*	4 APR 0000	73	67.	*	5 APR 0100	98	0.
1 APR 2300	24	18704.	*	3 APR 0000	49	1716.	*	4 APR 0100	74	22.	*	5 APR 0200	99	0.
2 APR 0000	25	15953.	*	3 APR 0100	50	1595.	*	4 APR 0200	75	8.	*	5 APR 0300	100	0.

PEAK FLOW	TIME		MAXIMUM	AVERAGE FLOW	
+	(CFS)	(HR)	6-HR	24-HR	72-HR
+	56765.	18.00	47095.	21918.	8302.
		(CFS)			
		(INCHES)	1.494	2.781	3.160
		(AC-FT)	23353.	43473.	49398.

CUMULATIVE AREA = 293.13 SQ MI

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

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109 KK 7 SUBAREA 7

LAMB CANYON

113 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

111 BA SUBBASIN CHARACTERISTICS

day3.out

TAREA 5.64 SUBBASIN AREA

PRECIPITATION DATA

112 PB STORM 2.16 BASIN TOTAL PRECIPITATION

114 PI INCREMENTAL PRECIPITATION PATTERN

.00	.00	.00	.00	.01	.01	.01	.01	.02	.07
.07	.08	.14	.20	.17	.14	.03	.00	.00	.00
.00	.00	.00	.00	.00	.00				

124 LU UNIFORM LOSS RATE

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

124 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	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	.01	.00	.01	10.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.01	.00	.01	18.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.01	.00	.01	22.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	25.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.02	.00	.02	39.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.02	.00	.02	47.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.02	.00	.02	54.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.03	.00	.03	69.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.05	.00	.05	112.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.15	.00	.15	296.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.14	.00	.14	371.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.17	.00	.17	453.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.30	.00	.30	705.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.44	.00	.44	1045.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.35	.00	.35	1095.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.31	.00	.31	1054.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.06	.00	.06	679.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	412.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	290.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.01	.00	.01	225.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.01	.00	.01	183.	*	3	APR	2300	72	.00	.00	.00	0.

						day3.out						
1 APR 2200	23	.01	.00	.01	152.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.01	.00	.01	128.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.01	.00	.01	106.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	77.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	53.	*	4 APR 0400	77	.00	.00	.00	0.
2 APR 0300	28	.00	.00	.00	37.	*	4 APR 0500	78	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	29.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	23.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	15.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	9.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	3.	*	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 = 2.16, TOTAL LOSS = .00, TOTAL EXCESS = 2.16

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	
+	(CFS)	(HR)		24-HR	72-HR
					99.00-HR
+	1095.	15.00	(CFS)	835.	321.
			(INCHES)	1.377	2.118
			(AC-FT)	414.	637.
				109.	79.
				2.154	648.

CUMULATIVE AREA = 5.64 SQ MI

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128 KK C

day3.out

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LAMB CANYON CONFLUENCE

130 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	13950.	*	3	APR	0200	51	1463.	*	4	APR	0300	76	7.
1	APR	0100	2	22.	*	2	APR	0200	27	12216.	*	3	APR	0300	52	1345.	*	4	APR	0400	77	5.
1	APR	0200	3	105.	*	2	APR	0300	28	10727.	*	3	APR	0400	53	1252.	*	4	APR	0500	78	4.
1	APR	0300	4	294.	*	2	APR	0400	29	9438.	*	3	APR	0500	54	1141.	*	4	APR	0600	79	3.
1	APR	0400	5	576.	*	2	APR	0500	30	8331.	*	3	APR	0600	55	992.	*	4	APR	0700	80	2.
1	APR	0500	6	936.	*	2	APR	0600	31	7402.	*	3	APR	0700	56	831.	*	4	APR	0800	81	1.
1	APR	0600	7	1305.	*	2	APR	0700	32	6615.	*	3	APR	0800	57	688.	*	4	APR	0900	82	0.
1	APR	0700	8	1704.	*	2	APR	0800	33	5943.	*	3	APR	0900	58	592.	*	4	APR	1000	83	0.
1	APR	0800	9	2130.	*	2	APR	0900	34	5406.	*	3	APR	1000	59	544.	*	4	APR	1100	84	0.
1	APR	0900	10	2761.	*	2	APR	1000	35	4963.	*	3	APR	1100	60	519.	*	4	APR	1200	85	0.
1	APR	1000	11	4523.	*	2	APR	1100	36	4601.	*	3	APR	1200	61	502.	*	4	APR	1300	86	0.
1	APR	1100	12	8195.	*	2	APR	1200	37	4275.	*	3	APR	1300	62	494.	*	4	APR	1400	87	0.
1	APR	1200	13	13772.	*	2	APR	1300	38	3972.	*	3	APR	1400	63	489.	*	4	APR	1500	88	0.
1	APR	1300	14	20506.	*	2	APR	1400	39	3714.	*	3	APR	1500	64	483.	*	4	APR	1600	89	0.
1	APR	1400	15	28438.	*	2	APR	1500	40	3482.	*	3	APR	1600	65	477.	*	4	APR	1700	90	0.
1	APR	1500	16	37651.	*	2	APR	1600	41	3248.	*	3	APR	1700	66	464.	*	4	APR	1800	91	0.
1	APR	1600	17	47858.	*	2	APR	1700	42	3027.	*	3	APR	1800	67	436.	*	4	APR	1900	92	0.
1	APR	1700	18	55806.	*	2	APR	1800	43	2821.	*	3	APR	1900	68	398.	*	4	APR	2000	93	0.
1	APR	1800	19	57176.	*	2	APR	1900	44	2611.	*	3	APR	2000	69	358.	*	4	APR	2100	94	0.
1	APR	1900	20	50795.	*	2	APR	2000	45	2390.	*	3	APR	2100	70	304.	*	4	APR	2200	95	0.
1	APR	2000	21	40381.	*	2	APR	2100	46	2171.	*	3	APR	2200	71	227.	*	4	APR	2300	96	0.
1	APR	2100	22	30055.	*	2	APR	2200	47	1981.	*	3	APR	2300	72	142.	*	5	APR	0000	97	0.
1	APR	2200	23	23027.	*	2	APR	2300	48	1837.	*	4	APR	0000	73	67.	*	5	APR	0100	98	0.
1	APR	2300	24	18832.	*	3	APR	0000	49	1716.	*	4	APR	0100	74	22.	*	5	APR	0200	99	0.
2	APR	0000	25	16059.	*	3	APR	0100	50	1595.	*	4	APR	0200	75	8.	*	5	APR	0300	100	0.

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW		
			6-HR	24-HR	72-HR
+	(CFS)	(HR)			99.00-HR
+	57176.	18.00	47645.	22222.	8410.
		(INCHES)	1.483	2.766	3.141

(AC-FT) 23626. 44076. 50045. day3.out
50050.

CUMULATIVE AREA = 298.77 SQ MI

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

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* *
132 KK * 8 * SUBAREA 8
* *

LABORDE CANYON

136 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

134 BA SUBBASIN CHARACTERISTICS
TAREA 9.73 SUBBASIN AREA

PRECIPITATION DATA

135 PB STORM 1.74 BASIN TOTAL PRECIPITATION

137 PI INCREMENTAL PRECIPITATION PATTERN
.00 .00 .01 .01 .01 .01 .01 .01 .02 .05
.05 .06 .14 .22 .18 .15 .03 .01 .00 .00
.00 .00 .00 .00 .00 .00

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

147 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

day3.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	.01	.00	.01	14.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.01	.00	.01	26.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.01	.00	.01	36.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	56.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	66.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	71.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.02	.00	.02	89.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.02	.00	.02	108.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.03	.00	.03	146.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.09	.00	.09	312.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.09	.00	.09	404.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.11	.00	.11	510.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.25	.00	.25	935.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.39	.00	.39	1529.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.31	.00	.31	1612.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.26	.00	.26	1545.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.05	.00	.05	971.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	597.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	416.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.01	.00	.01	320.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.01	.00	.01	259.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.01	.00	.01	215.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.01	.00	.01	179.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.01	.00	.01	147.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	103.	*	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	50.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	40.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	29.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	18.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	9.	*	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	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.

							day3.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 = 1.74, TOTAL LOSS = .00, TOTAL EXCESS = 1.74

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	99.00-HR
+	(CFS)	(HR)		24-HR	72-HR
		(CFS)			
+	1612.	15.00	1191.	446.	151.
		(INCHES)	1.138	1.705	1.735
		(AC-FT)	591.	885.	900.
CUMULATIVE AREA =			9.73 SQ MI		

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151 KK *****
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 * D *
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LABORDE CANYON CONFLUENCE

153 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	14053.	*	3	APR	0200	51	1463.	*	4	APR	0300	76	7.	*
1	APR	0100	2	36.	*	2	APR	0200	27	12287.	*	3	APR	0300	52	1345.	*	4	APR	0400	77	5.	*
1	APR	0200	3	131.	*	2	APR	0300	28	10777.	*	3	APR	0400	53	1252.	*	4	APR	0500	78	4.	*
1	APR	0300	4	330.	*	2	APR	0400	29	9478.	*	3	APR	0500	54	1141.	*	4	APR	0600	79	3.	*
1	APR	0400	5	632.	*	2	APR	0500	30	8361.	*	3	APR	0600	55	992.	*	4	APR	0700	80	2.	*
1	APR	0500	6	1001.	*	2	APR	0600	31	7421.	*	3	APR	0700	56	831.	*	4	APR	0800	81	1.	*

day3.out											
1 APR 0600	7	1376.	*	2 APR 0700	32	6624.	*	3 APR 0800	57	688.	*
1 APR 0700	8	1793.	*	2 APR 0800	33	5947.	*	3 APR 0900	58	592.	*
1 APR 0800	9	2239.	*	2 APR 0900	34	5408.	*	3 APR 1000	59	544.	*
1 APR 0900	10	2907.	*	2 APR 1000	35	4964.	*	3 APR 1100	60	519.	*
1 APR 1000	11	4835.	*	2 APR 1100	36	4602.	*	3 APR 1200	61	502.	*
1 APR 1100	12	8599.	*	2 APR 1200	37	4276.	*	3 APR 1300	62	494.	*
1 APR 1200	13	14283.	*	2 APR 1300	38	3973.	*	3 APR 1400	63	489.	*
1 APR 1300	14	21441.	*	2 APR 1400	39	3714.	*	3 APR 1500	64	483.	*
1 APR 1400	15	29967.	*	2 APR 1500	40	3482.	*	3 APR 1600	65	477.	*
1 APR 1500	16	39263.	*	2 APR 1600	41	3248.	*	3 APR 1700	66	464.	*
1 APR 1600	17	49403.	*	2 APR 1700	42	3027.	*	3 APR 1800	67	436.	*
1 APR 1700	18	56777.	*	2 APR 1800	43	2821.	*	3 APR 1900	68	398.	*
1 APR 1800	19	57773.	*	2 APR 1900	44	2611.	*	3 APR 2000	69	358.	*
1 APR 1900	20	51210.	*	2 APR 2000	45	2390.	*	3 APR 2100	70	304.	*
1 APR 2000	21	40701.	*	2 APR 2100	46	2171.	*	3 APR 2200	71	227.	*
1 APR 2100	22	30314.	*	2 APR 2200	47	1981.	*	3 APR 2300	72	142.	*
1 APR 2200	23	23242.	*	2 APR 2300	48	1837.	*	4 APR 0000	73	67.	*
1 APR 2300	24	19011.	*	3 APR 0000	49	1716.	*	4 APR 0100	74	22.	*
2 APR 0000	25	16205.	*	3 APR 0100	50	1595.	*	4 APR 0200	75	8.	*

PEAK FLOW	TIME		MAXIMUM	AVERAGE FLOW	
+	(CFS)	(HR)	6-HR	24-HR	72-HR
+	57773.	18.00	48442.	22644.	8562.
			1.460	2.730	3.096
			24021.	44913.	50945.

CUMULATIVE AREA = 308.50 SQ MI

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

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 155 KK * 9 * SUBAREA 9
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SAN JACINTO VALLEY

159 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 30 TIME INTERVAL IN MINUTES
 JXDATE 1APR92 STARTING DATE
 JXTIME 50 STARTING TIME
 UHG FROM MOUNTAIN S-GRAPH

day3.out

SUBBASIN RUNOFF DATA

157 BA SUBBASIN CHARACTERISTICS
TAREA 43.98 SUBBASIN AREA

PRECIPITATION DATA

158 PB STORM 1.81 BASIN TOTAL PRECIPITATION

160 PI INCREMENTAL PRECIPITATION PATTERN
.00 .00 .00 .01 .01 .01 .01 .01 .02 .07
.06 .08 .15 .21 .17 .14 .02 .00 .00
.00 .00 .00 .00 .00 .00

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

165 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 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	46.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.01	.00	.01	106.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.01	.00	.01	152.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	203.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	247.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	279.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.02	.00	.02	351.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.02	.00	.02	448.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.04	.00	.04	688.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.13	.00	.13	1831.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.11	.00	.11	2252.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.14	.00	.14	2765.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.28	.00	.28	4606.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.37	.00	.37	6736.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.31	.00	.31	7236.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.26	.00	.26	6924.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.04	.00	.04	4477.	*	3	APR	1900	68	.00	.00	.00	0.

						day3.out						
1 APR 1800	19	.01	.00	.01	2777.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.01	.00	.01	1961.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.01	.00	.01	1516.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.01	.00	.01	1232.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.00	.00	.00	1015.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.00	.00	.00	841.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.00	.00	.00	698.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	540.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	404.	*	4 APR 0400	77	.00	.00	.00	0.
2 APR 0300	28	.00	.00	.00	298.	*	4 APR 0500	78	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	220.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	173.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	146.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	109.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	67.	*	4 APR 1000	83	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	33.	*	4 APR 1100	84	.00	.00	.00	0.
2 APR 1000	35	.00	.00	.00	9.	*	4 APR 1200	85	.00	.00	.00	0.
2 APR 1100	36	.00	.00	.00	5.	*	4 APR 1300	86	.00	.00	.00	0.
2 APR 1200	37	.00	.00	.00	3.	*	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	2.	*	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	1.	*	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 = 1.81, TOTAL LOSS = .00, TOTAL EXCESS = 1.81

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	7236.	15.00	5458.	2097.	714.	519.
		(INCHES)	1.154	1.773	1.811	1.811
		(AC-FT)	2707.	4160.	4248.	4248.

CUMULATIVE AREA = 43.98 SQ MI

*** **

day3.out

169 KK *****
* *
* E *
* *

BRIDGE STREET

171 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	14593.	*	3	APR	0200	51	1463.	*	4	APR	0300	76	7.
1	APR	0100	2	82.	*	2	APR	0200	27	12691.	*	3	APR	0300	52	1345.	*	4	APR	0400	77	5.
1	APR	0200	3	237.	*	2	APR	0300	28	11075.	*	3	APR	0400	53	1252.	*	4	APR	0500	78	4.
1	APR	0300	4	482.	*	2	APR	0400	29	9698.	*	3	APR	0500	54	1141.	*	4	APR	0600	79	3.
1	APR	0400	5	834.	*	2	APR	0500	30	8533.	*	3	APR	0600	55	992.	*	4	APR	0700	80	2.
1	APR	0500	6	1248.	*	2	APR	0600	31	7566.	*	3	APR	0700	56	831.	*	4	APR	0800	81	1.
1	APR	0600	7	1655.	*	2	APR	0700	32	6733.	*	3	APR	0800	57	688.	*	4	APR	0900	82	0.
1	APR	0700	8	2144.	*	2	APR	0800	33	6014.	*	3	APR	0900	58	592.	*	4	APR	1000	83	0.
1	APR	0800	9	2687.	*	2	APR	0900	34	5441.	*	3	APR	1000	59	544.	*	4	APR	1100	84	0.
1	APR	0900	10	3595.	*	2	APR	1000	35	4974.	*	3	APR	1100	60	519.	*	4	APR	1200	85	0.
1	APR	1000	11	6665.	*	2	APR	1100	36	4607.	*	3	APR	1200	61	502.	*	4	APR	1300	86	0.
1	APR	1100	12	10851.	*	2	APR	1200	37	4280.	*	3	APR	1300	62	494.	*	4	APR	1400	87	0.
1	APR	1200	13	17048.	*	2	APR	1300	38	3975.	*	3	APR	1400	63	489.	*	4	APR	1500	88	0.
1	APR	1300	14	26048.	*	2	APR	1400	39	3716.	*	3	APR	1500	64	483.	*	4	APR	1600	89	0.
1	APR	1400	15	36704.	*	2	APR	1500	40	3483.	*	3	APR	1600	65	477.	*	4	APR	1700	90	0.
1	APR	1500	16	46499.	*	2	APR	1600	41	3249.	*	3	APR	1700	66	464.	*	4	APR	1800	91	0.
1	APR	1600	17	56327.	*	2	APR	1700	42	3027.	*	3	APR	1800	67	436.	*	4	APR	1900	92	0.
1	APR	1700	18	61254.	*	2	APR	1800	43	2821.	*	3	APR	1900	68	398.	*	4	APR	2000	93	0.
1	APR	1800	19	60550.	*	2	APR	1900	44	2611.	*	3	APR	2000	69	358.	*	4	APR	2100	94	0.
1	APR	1900	20	53172.	*	2	APR	2000	45	2390.	*	3	APR	2100	70	304.	*	4	APR	2200	95	0.
1	APR	2000	21	42217.	*	2	APR	2100	46	2171.	*	3	APR	2200	71	227.	*	4	APR	2300	96	0.
1	APR	2100	22	31547.	*	2	APR	2200	47	1981.	*	3	APR	2300	72	142.	*	5	APR	0000	97	0.
1	APR	2200	23	24257.	*	2	APR	2300	48	1837.	*	4	APR	0000	73	67.	*	5	APR	0100	98	0.
1	APR	2300	24	19852.	*	3	APR	0000	49	1716.	*	4	APR	0100	74	22.	*	5	APR	0200	99	0.
2	APR	0000	25	16903.	*	3	APR	0100	50	1595.	*	4	APR	0200	75	8.	*	5	APR	0300	100	0.

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

day3.out

```
+   (CFS)      (HR)
+   61254.     17.00
              (CFS)
              (INCHES)
              (AC-FT)
              52877.    24641.    9275.    6746.
              1.395    2.600    2.936    2.936
              26220.    48875.    55191.    55198.
```

CUMULATIVE AREA = 352.48 SQ MI

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

*** **

```
*****
*
173 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

```
179 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

180 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

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

HYDROGRAPH AT STATION E-F

```
*****
*
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  13130.  4812.14  *  3 APR 2000  69    995.   2068.81
```

				day3.out									
1 APR 0100	2	0.	.00	*	2 APR 1100	36	12210.	4571.37	*	3 APR 2100	70	963.	2051.81
1 APR 0200	3	0.	.00	*	2 APR 1200	37	11258.	4322.26	*	3 APR 2200	71	930.	2034.57
1 APR 0300	4	0.	.02	*	2 APR 1300	38	10264.	4062.02	*	3 APR 2300	72	898.	2017.23
1 APR 0400	5	0.	.06	*	2 APR 1400	39	9208.	3794.81	*	4 APR 0000	73	865.	2000.03
1 APR 0500	6	0.	.15	*	2 APR 1500	40	8212.	3545.36	*	4 APR 0100	74	833.	1983.21
1 APR 0600	7	0.	.33	*	2 APR 1600	41	6975.	3341.59	*	4 APR 0200	75	802.	1966.90
1 APR 0700	8	0.	.66	*	2 APR 1700	42	5968.	3192.55	*	4 APR 0300	76	772.	1951.20
1 APR 0800	9	0.	1.21	*	2 APR 1800	43	5337.	3079.81	*	4 APR 0400	77	744.	1936.17
1 APR 0900	10	1.	2.06	*	2 APR 1900	44	4827.	2988.74	*	4 APR 0500	78	717.	1921.83
1 APR 1000	11	1.	3.34	*	2 APR 2000	45	4414.	2914.88	*	4 APR 0600	79	691.	1908.18
1 APR 1100	12	1.	5.35	*	2 APR 2100	46	4068.	2853.08	*	4 APR 0700	80	666.	1895.21
1 APR 1200	13	3.	10.13	*	2 APR 2200	47	3804.	2797.52	*	4 APR 0800	81	643.	1882.97
1 APR 1300	14	7.	23.77	*	2 APR 2300	48	3564.	2744.27	*	4 APR 0900	82	622.	1871.89
1 APR 1400	15	18.	66.36	*	3 APR 0000	49	3331.	2692.68	*	4 APR 1000	83	604.	1862.23
1 APR 1500	16	118.	426.69	*	3 APR 0100	50	3108.	2643.04	*	4 APR 1100	84	588.	1853.78
1 APR 1600	17	394.	1422.62	*	3 APR 0200	51	2895.	2595.88	*	4 APR 1200	85	574.	1846.36
1 APR 1700	18	6720.	3304.10	*	3 APR 0300	52	2697.	2551.85	*	4 APR 1300	86	561.	1839.80
1 APR 1800	19	18343.	5919.88	*	3 APR 0400	53	2513.	2511.23	*	4 APR 1400	87	550.	1833.97
1 APR 1900	20	41364.	7972.52	*	3 APR 0500	54	2349.	2474.70	*	4 APR 1500	88	541.	1828.76
1 APR 2000	21	52412.	8711.30	*	3 APR 0600	55	2204.	2442.61	*	4 APR 1600	89	532.	1824.06
1 APR 2100	22	51261.	8634.31	*	3 APR 0700	56	2074.	2413.78	*	4 APR 1700	90	524.	1819.80
1 APR 2200	23	44869.	8206.89	*	3 APR 0800	57	1966.	2386.26	*	4 APR 1800	91	516.	1815.90
1 APR 2300	24	37470.	7693.11	*	3 APR 0900	58	1879.	2357.84	*	4 APR 1900	92	509.	1812.30
2 APR 0000	25	31306.	7227.10	*	3 APR 1000	59	1786.	2327.64	*	4 APR 2000	93	503.	1808.96
2 APR 0100	26	26689.	6824.69	*	3 APR 1100	60	1690.	2296.29	*	4 APR 2100	94	500.	1805.73
2 APR 0200	27	23031.	6495.46	*	3 APR 1200	61	1593.	2264.63	*	4 APR 2200	95	499.	1802.37
2 APR 0300	28	20435.	6264.98	*	3 APR 1300	62	1497.	2233.43	*	4 APR 2300	96	498.	1798.79
2 APR 0400	29	19200.	6078.33	*	3 APR 1400	63	1405.	2203.24	*	5 APR 0000	97	497.	1794.98
2 APR 0500	30	18093.	5873.53	*	3 APR 1500	64	1317.	2174.74	*	5 APR 0100	98	495.	1790.94
2 APR 0600	31	16939.	5660.10	*	3 APR 1600	65	1238.	2148.87	*	5 APR 0200	99	494.	1786.67
2 APR 0700	32	15822.	5453.43	*	3 APR 1700	66	1167.	2125.84	*	5 APR 0300	100	493.	1782.17
2 APR 0800	33	14808.	5251.10	*	3 APR 1800	67	1104.	2105.10	*				
2 APR 0900	34	13999.	5039.49	*	3 APR 1900	68	1046.	2086.24	*				

PEAK FLOW	TIME		MAXIMUM	AVERAGE FLOW	
+	(CFS)	(HR)	6-HR	24-HR	72-HR 99.00-HR
+	52412.	20.00	(CFS)		
			42033.	21818.	8471. 6220.
		(INCHES)	1.109	2.302	2.681 2.707
		(AC-FT)	20843.	43276.	50403. 50890.

PEAK STORAGE	TIME		MAXIMUM	AVERAGE STORAGE	
+	(AC-FT)	(HR)	6-HR	24-HR	72-HR 99.00-HR
+	8711.	20.00			
			7979.	5792.	3428. 2706.

CUMULATIVE AREA = 352.48 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 3: /S.J.RIVER ROUTE E-F/E-F/FLOW/01MAR1992/1HOUR//

-----DSS---ZWRITE Unit 71; Vers. 3: /S.J.RIVER ROUTE E-F/E-F/LOW/01APR1992/1HOUR//

*** **

 * *
 185 KK * 10 * SUBAREA 10
 * *

JACK RABBIT

189 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

187 BA SUBBASIN CHARACTERISTICS
 TAREA 17.90 SUBBASIN AREA

PRECIPITATION DATA

188 PB STORM 1.80 BASIN TOTAL PRECIPITATION

190 PI INCREMENTAL PRECIPITATION PATTERN

.00	.00	.00	.00	.01	.01	.01	.01	.02	.05
.06	.08	.12	.22	.17	.16	.05	.00	.00	.00
.00	.00	.00	.00	.00	.00				

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

200 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

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q

						day3.out						
						*						
1 APR 0000	1	.00	.00	.00	0.	*	3 APR 0200	51	.00	.00	.00	0.
1 APR 0100	2	.00	.00	.00	21.	*	3 APR 0300	52	.00	.00	.00	0.
1 APR 0200	3	.01	.00	.01	47.	*	3 APR 0400	53	.00	.00	.00	0.
1 APR 0300	4	.01	.00	.01	59.	*	3 APR 0500	54	.00	.00	.00	0.
1 APR 0400	5	.01	.00	.01	65.	*	3 APR 0600	55	.00	.00	.00	0.
1 APR 0500	6	.01	.00	.01	100.	*	3 APR 0700	56	.00	.00	.00	0.
1 APR 0600	7	.01	.00	.01	124.	*	3 APR 0800	57	.00	.00	.00	0.
1 APR 0700	8	.02	.00	.02	157.	*	3 APR 0900	58	.00	.00	.00	0.
1 APR 0800	9	.02	.00	.02	191.	*	3 APR 1000	59	.00	.00	.00	0.
1 APR 0900	10	.03	.00	.03	242.	*	3 APR 1100	60	.00	.00	.00	0.
1 APR 1000	11	.09	.00	.09	604.	*	3 APR 1200	61	.00	.00	.00	0.
1 APR 1100	12	.10	.00	.10	830.	*	3 APR 1300	62	.00	.00	.00	0.
1 APR 1200	13	.14	.00	.14	1122.	*	3 APR 1400	63	.00	.00	.00	0.
1 APR 1300	14	.22	.00	.22	1681.	*	3 APR 1500	64	.00	.00	.00	0.
1 APR 1400	15	.40	.00	.40	2884.	*	3 APR 1600	65	.00	.00	.00	0.
1 APR 1500	16	.30	.00	.30	2949.	*	3 APR 1700	66	.00	.00	.00	0.
1 APR 1600	17	.29	.00	.29	2964.	*	3 APR 1800	67	.00	.00	.00	0.
1 APR 1700	18	.09	.00	.09	2007.	*	3 APR 1900	68	.00	.00	.00	0.
1 APR 1800	19	.01	.00	.01	1175.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.01	.00	.01	806.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.01	.00	.01	616.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.01	.00	.01	495.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.01	.00	.01	409.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.01	.00	.01	336.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.01	.00	.01	274.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	197.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	135.	*	4 APR 0400	77	.00	.00	.00	0.
2 APR 0300	28	.00	.00	.00	96.	*	4 APR 0500	78	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	74.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	51.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	32.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	15.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	6.	*	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	2.	*	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	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.
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.
						*						

day3.out

TOTAL RAINFALL = 1.80, TOTAL LOSS = .00, TOTAL EXCESS = 1.80

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW 24-HR	72-HR	99.00-HR
(CFS)	(HR)	(CFS)				
2964.	16.00	2272.	853.	289.	210.	
		(INCHES)	1.180	1.771	1.798	1.798
		(AC-FT)	1127.	1691.	1717.	1717.

CUMULATIVE AREA = 17.90 SQ MI

*** **

*
204 KK * 11 * SUBAREA 11
*

BADLANDS

208 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

206 BA SUBBASIN CHARACTERISTICS
TAREA 18.10 SUBBASIN AREA

PRECIPITATION DATA

207 PB STORM 1.56 BASIN TOTAL PRECIPITATION

209 PI INCREMENTAL PRECIPITATION PATTERN

.00	.00	.00	.01	.01	.01	.01	.01	.02	.04
.05	.07	.11	.24	.17	.17	.06	.01	.00	.00
.00	.00	.00	.00	.00	.00				

219 LU UNIFORM LOSS RATE

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

219 UI INPUT UNITGRAPH, 15 ORDINATES, VOLUME = 1.00 day3.out
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	16.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.01	.00	.01	40.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.01	.00	.01	51.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	90.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	109.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	127.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.02	.00	.02	162.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.02	.00	.02	188.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.03	.00	.03	242.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.06	.00	.06	418.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.08	.00	.08	623.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.11	.00	.11	877.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.16	.00	.16	1298.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.37	.00	.37	2609.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.26	.00	.26	2610.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.27	.00	.27	2698.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.09	.00	.09	1842.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	1068.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	730.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.01	.00	.01	547.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.01	.00	.01	437.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.01	.00	.01	357.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.01	.00	.01	291.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.01	.00	.01	231.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	169.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	112.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	81.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	60.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	38.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	22.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	9.	*	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	3.	*	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.

							day3.out						
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 = 1.56, TOTAL LOSS = .00, TOTAL EXCESS = 1.56

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW				
(CFS)	(HR)		6-HR	24-HR	72-HR	99.00-HR	
+	2698.	16.00	(CFS)	2005.	746.	252.	184.
			(INCHES)	1.030	1.533	1.555	1.555
			(AC-FT)	994.	1479.	1501.	1501.

CUMULATIVE AREA = 18.10 SQ MI

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223 KK

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*      F
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SPLIT

225 HC HYDROGRAPH COMBINATION
 ICOMP 3 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION F
 SUM OF 3 HYDROGRAPHS

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					day3.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	27054.	*	3	APR	0200	51	2895.	*	4	APR	0300	76	772.
1	APR	0100	2	38.	*	2	APR	0200	27	23278.	*	3	APR	0300	52	2697.	*	4	APR	0400	77	744.
1	APR	0200	3	87.	*	2	APR	0300	28	20612.	*	3	APR	0400	53	2513.	*	4	APR	0500	78	717.
1	APR	0300	4	110.	*	2	APR	0400	29	19333.	*	3	APR	0500	54	2349.	*	4	APR	0600	79	691.
1	APR	0400	5	155.	*	2	APR	0500	30	18182.	*	3	APR	0600	55	2204.	*	4	APR	0700	80	666.
1	APR	0500	6	209.	*	2	APR	0600	31	16993.	*	3	APR	0700	56	2074.	*	4	APR	0800	81	643.
1	APR	0600	7	251.	*	2	APR	0700	32	15846.	*	3	APR	0800	57	1966.	*	4	APR	0900	82	622.
1	APR	0700	8	319.	*	2	APR	0800	33	14819.	*	3	APR	0900	58	1879.	*	4	APR	1000	83	604.
1	APR	0800	9	378.	*	2	APR	0900	34	14007.	*	3	APR	1000	59	1786.	*	4	APR	1100	84	588.
1	APR	0900	10	485.	*	2	APR	1000	35	13136.	*	3	APR	1100	60	1690.	*	4	APR	1200	85	574.
1	APR	1000	11	1022.	*	2	APR	1100	36	12214.	*	3	APR	1200	61	1593.	*	4	APR	1300	86	561.
1	APR	1100	12	1455.	*	2	APR	1200	37	11261.	*	3	APR	1300	62	1497.	*	4	APR	1400	87	550.
1	APR	1200	13	2002.	*	2	APR	1300	38	10265.	*	3	APR	1400	63	1405.	*	4	APR	1500	88	541.
1	APR	1300	14	2985.	*	2	APR	1400	39	9209.	*	3	APR	1500	64	1317.	*	4	APR	1600	89	532.
1	APR	1400	15	5512.	*	2	APR	1500	40	8212.	*	3	APR	1600	65	1238.	*	4	APR	1700	90	524.
1	APR	1500	16	5677.	*	2	APR	1600	41	6975.	*	3	APR	1700	66	1167.	*	4	APR	1800	91	516.
1	APR	1600	17	6055.	*	2	APR	1700	42	5968.	*	3	APR	1800	67	1104.	*	4	APR	1900	92	509.
1	APR	1700	18	10568.	*	2	APR	1800	43	5337.	*	3	APR	1900	68	1046.	*	4	APR	2000	93	503.
1	APR	1800	19	20587.	*	2	APR	1900	44	4827.	*	3	APR	2000	69	995.	*	4	APR	2100	94	500.
1	APR	1900	20	42899.	*	2	APR	2000	45	4414.	*	3	APR	2100	70	963.	*	4	APR	2200	95	499.
1	APR	2000	21	53576.	*	2	APR	2100	46	4068.	*	3	APR	2200	71	930.	*	4	APR	2300	96	498.
1	APR	2100	22	52193.	*	2	APR	2200	47	3804.	*	3	APR	2300	72	898.	*	5	APR	0000	97	497.
1	APR	2200	23	45635.	*	2	APR	2300	48	3564.	*	4	APR	0000	73	865.	*	5	APR	0100	98	495.
1	APR	2300	24	38097.	*	3	APR	0000	49	3331.	*	4	APR	0100	74	833.	*	5	APR	0200	99	494.
2	APR	0000	25	31811.	*	3	APR	0100	50	3108.	*	4	APR	0200	75	802.	*	5	APR	0300	100	493.

PEAK FLOW		TIME	MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
			(CFS)			
+	53576.	20.00	43100.	22346.	8936.	6613.
			(INCHES)	1.032	2.139	2.566
			(AC-FT)	21372.	44323.	53172.
					54109.	

CUMULATIVE AREA = 388.48 SQ MI

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

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 * *
 227 KK * F-F1 * ROUTE
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day3.out

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

233 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								
234 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				
236 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	15189.	3896.33	*	3	APR	2000	69	1218.	537.95
1	APR	0100	2	2.	1.47	*	2	APR	1100	36	14508.	3716.70	*	3	APR	2100	70	1157.	520.73
1	APR	0200	3	9.	6.14	*	2	APR	1200	37	13823.	3516.05	*	3	APR	2200	71	1103.	505.61
1	APR	0300	4	20.	13.05	*	2	APR	1300	38	13066.	3294.44	*	3	APR	2300	72	1054.	492.03
1	APR	0400	5	34.	21.80	*	2	APR	1400	39	12243.	3053.33	*	4	APR	0000	73	1009.	479.60
1	APR	0500	6	52.	33.33	*	2	APR	1500	40	11370.	2797.45	*	4	APR	0100	74	971.	467.96
1	APR	0600	7	73.	47.16	*	2	APR	1600	41	10437.	2523.90	*	4	APR	0200	75	934.	456.81
1	APR	0700	8	98.	63.62	*	2	APR	1700	42	9488.	2235.39	*	4	APR	0300	76	900.	446.09
1	APR	0800	9	129.	83.07	*	2	APR	1800	43	8594.	1955.31	*	4	APR	0400	77	866.	435.79
1	APR	0900	10	165.	106.61	*	2	APR	1900	44	7649.	1704.08	*	4	APR	0500	78	834.	425.89
1	APR	1000	11	236.	152.32	*	2	APR	2000	45	6543.	1499.47	*	4	APR	0600	79	803.	416.41
1	APR	1100	12	356.	230.19	*	2	APR	2100	46	5657.	1345.80	*	4	APR	0700	80	774.	407.33
1	APR	1200	13	542.	335.89	*	2	APR	2200	47	4932.	1233.51	*	4	APR	0800	81	746.	398.66
1	APR	1300	14	1004.	478.08	*	2	APR	2300	48	4407.	1152.06	*	4	APR	0900	82	719.	390.44
1	APR	1400	15	1841.	711.65	*	3	APR	0000	49	4003.	1089.47	*	4	APR	1000	83	694.	382.72
1	APR	1500	16	3248.	963.72	*	3	APR	0100	50	3691.	1037.60	*	4	APR	1100	84	671.	375.59
1	APR	1600	17	4306.	1136.38	*	3	APR	0200	51	3417.	991.92	*	4	APR	1200	85	649.	369.04
1	APR	1700	18	5992.	1397.77	*	3	APR	0300	52	3170.	950.79	*	4	APR	1300	86	630.	363.08
1	APR	1800	19	8953.	2067.63	*	3	APR	0400	53	2945.	913.39	*	4	APR	1400	87	613.	357.68
1	APR	1900	20	14522.	3720.99	*	3	APR	0500	54	2741.	879.34	*	4	APR	1500	88	597.	352.79
1	APR	2000	21	32210.	5776.49	*	3	APR	0600	55	2556.	848.60	*	4	APR	1600	89	582.	348.38

day3.out													
1 APR 2100	22	48307.	6819.96	*	3 APR 0700	56	2390.	820.99	*	4 APR 1700	90	569.	344.39
1 APR 2200	23	48796.	6849.90	*	3 APR 0800	57	2243.	796.47	*	4 APR 1800	91	558.	340.78
1 APR 2300	24	43207.	6508.10	*	3 APR 0900	58	2116.	775.24	*	4 APR 1900	92	547.	337.51
2 APR 0000	25	36755.	6092.66	*	3 APR 1000	59	2003.	756.50	*	4 APR 2000	93	537.	334.53
2 APR 0100	26	31308.	5712.59	*	3 APR 1100	60	1934.	737.48	*	4 APR 2100	94	529.	331.90
2 APR 0200	27	27134.	5377.50	*	3 APR 1200	61	1858.	716.45	*	4 APR 2200	95	522.	329.73
2 APR 0300	28	23680.	5091.40	*	3 APR 1300	62	1777.	693.91	*	4 APR 2300	96	516.	328.00
2 APR 0400	29	21155.	4889.37	*	3 APR 1400	63	1693.	670.40	*	5 APR 0000	97	512.	326.61
2 APR 0500	30	19746.	4749.48	*	3 APR 1500	64	1607.	646.49	*	5 APR 0100	98	508.	325.46
2 APR 0600	31	18965.	4603.33	*	3 APR 1600	65	1522.	622.73	*	5 APR 0200	99	505.	324.51
2 APR 0700	32	18045.	4430.96	*	3 APR 1700	66	1440.	599.71	*	5 APR 0300	100	502.	323.69
2 APR 0800	33	17064.	4247.35	*	3 APR 1800	67	1361.	577.80	*				
2 APR 0900	34	16105.	4067.89	*	3 APR 1900	68	1287.	557.16	*				

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)					
			(CFS)				
+	48796.	22.00	39674.	21912.	8903.	6574.	
			(INCHES)	.950	2.098	2.557	2.596
			(AC-FT)	19673.	43462.	52979.	53785.

PEAK STORAGE	TIME		6-HR	MAXIMUM AVERAGE STORAGE	24-HR	72-HR	99.00-HR
+	(AC-FT)	(HR)					
	6850.	22.00	6260.	4416.	1983.	1503.	

CUMULATIVE AREA = 388.48 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 3: /S.J.RIVER ROUTE F-F1/F-F1/FLOW/01MAR1992/1HOUR//
 -----DSS---ZWRITE Unit 71; Vers. 3: /S.J.RIVER ROUTE F-F1/F-F1/FLOW/01APR1992/1HOUR//

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239 KK 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

HYDROGRAPH ROUTING DATA

244 RS STORAGE ROUTING

day3.out

	NSTPS ITYP RSVRIC X	1 STOR -1.00 .00	NUMBER OF SUBREACHES TYPE OF INITIAL CONDITION INITIAL CONDITION WORKING R AND D COEFFICIENT								
245 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				
247 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	16772.	5597.42	*	3	APR	2000	69	1608.	620.72
1	APR	0100	2	0.	.09	*	2	APR	1100	36	15927.	5473.34	*	3	APR	2100	70	1515.	589.83
1	APR	0200	3	1.	.53	*	2	APR	1200	37	15154.	5359.65	*	3	APR	2200	71	1429.	561.55
1	APR	0300	4	3.	1.59	*	2	APR	1300	38	14634.	5239.84	*	3	APR	2300	72	1351.	535.79
1	APR	0400	5	6.	3.42	*	2	APR	1400	39	14101.	5098.29	*	4	APR	0000	73	1280.	512.34
1	APR	0500	6	12.	6.20	*	2	APR	1500	40	13483.	4934.19	*	4	APR	0100	74	1215.	491.05
1	APR	0600	7	19.	10.07	*	2	APR	1600	41	12789.	4749.67	*	4	APR	0200	75	1157.	471.75
1	APR	0700	8	29.	15.18	*	2	APR	1700	42	12028.	4547.52	*	4	APR	0300	76	1103.	454.14
1	APR	0800	9	41.	21.68	*	2	APR	1800	43	11223.	4333.93	*	4	APR	0400	77	1054.	437.94
1	APR	0900	10	56.	29.79	*	2	APR	1900	44	10388.	4112.10	*	4	APR	0500	78	1009.	422.94
1	APR	1000	11	77.	40.82	*	2	APR	2000	45	9668.	3869.80	*	4	APR	0600	79	965.	409.04
1	APR	1100	12	109.	57.59	*	2	APR	2100	46	9027.	3601.40	*	4	APR	0700	80	924.	396.17
1	APR	1200	13	158.	83.65	*	2	APR	2200	47	8357.	3320.61	*	4	APR	0800	81	885.	384.21
1	APR	1300	14	248.	130.75	*	2	APR	2300	48	7701.	3042.99	*	4	APR	0900	82	850.	373.05
1	APR	1400	15	418.	220.79	*	3	APR	0000	49	7084.	2779.55	*	4	APR	1000	83	816.	362.60
1	APR	1500	16	865.	378.02	*	3	APR	0100	50	6514.	2535.60	*	4	APR	1100	84	785.	352.85
1	APR	1600	17	1520.	591.57	*	3	APR	0200	51	5992.	2312.57	*	4	APR	1200	85	756.	343.75
1	APR	1700	18	2300.	859.23	*	3	APR	0300	52	5508.	2109.56	*	4	APR	1300	86	729.	335.30
1	APR	1800	19	3356.	1243.03	*	3	APR	0400	53	5068.	1925.21	*	4	APR	1400	87	703.	327.48
1	APR	1900	20	4938.	1870.33	*	3	APR	0500	54	4669.	1757.79	*	4	APR	1500	88	680.	320.27
1	APR	2000	21	8208.	3258.21	*	3	APR	0600	55	4307.	1605.75	*	4	APR	1600	89	659.	313.64
1	APR	2100	22	16536.	5562.86	*	3	APR	0700	56	3975.	1467.92	*	4	APR	1700	90	640.	307.57
1	APR	2200	23	41843.	7163.03	*	3	APR	0800	57	3636.	1344.86	*	4	APR	1800	91	622.	302.02
1	APR	2300	24	46146.	7328.93	*	3	APR	0900	58	3339.	1236.72	*	4	APR	1900	92	606.	296.95
2	APR	0000	25	39784.	7082.35	*	3	APR	1000	59	3078.	1141.76	*	4	APR	2000	93	591.	292.33
2	APR	0100	26	34276.	6834.55	*	3	APR	1100	60	2851.	1059.43	*	4	APR	2100	94	577.	288.12
2	APR	0200	27	29623.	6609.00	*	3	APR	1200	61	2656.	988.54	*	4	APR	2200	95	565.	284.33

												day3.out			
2 APR 0300	28	26129.	6404.93	*	3 APR 1300	62	2485.	926.32	*	4 APR 2300	96	554.	280.96		
2 APR 0400	29	22950.	6229.54	*	3 APR 1400	63	2332.	870.69	*	5 APR 0000	97	545.	278.02		
2 APR 0500	30	20769.	6113.07	*	3 APR 1500	64	2193.	820.10	*	5 APR 0100	98	537.	275.46		
2 APR 0600	31	19767.	6037.69	*	3 APR 1600	65	2065.	773.50	*	5 APR 0200	99	530.	273.25		
2 APR 0700	32	19213.	5956.31	*	3 APR 1700	66	1941.	730.40	*	5 APR 0300	100	524.	271.34		
2 APR 0800	33	18485.	5849.30	*	3 APR 1800	67	1820.	690.73	*						
2 APR 0900	34	17651.	5726.70	*	3 APR 1900	68	1710.	654.30	*						

PEAK FLOW		TIME	MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
+	46146.	23.00	35501.	20775.	8873.	6541.
		(INCHES)	.850	1.989	2.548	2.583
		(AC-FT)	17604.	41207.	52800.	53514.

PEAK STORAGE		TIME	MAXIMUM AVERAGE STORAGE			
			6-HR	24-HR	72-HR	99.00-HR
+	(AC-FT)	(HR)				
	7329.	23.00	6834.	5663.	2645.	1967.

CUMULATIVE AREA = 388.48 SQ MI

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

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

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

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254 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

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SUBBASIN RUNOFF DATA

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

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day3.out

PRECIPITATION DATA

253 PB STORM 1.52 BASIN TOTAL PRECIPITATION

255 PI INCREMENTAL PRECIPITATION PATTERN

.00	.00	.00	.01	.01	.01	.01	.01	.01	.02	.03
.05	.07	.11	.24	.17	.17	.06	.01	.00	.00	
.00	.00	.00	.00	.00	.00					

265 LU UNIFORM LOSS RATE

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

265 UI INPUT UNITGRAPH, 6 ORDINATES, VOLUME = 1.00

5203.0	1918.0	587.0	104.0	72.0	24.0
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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	16.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.01	.00	.01	37.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.01	.00	.01	45.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	78.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	90.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	102.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.02	.00	.02	129.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.02	.00	.02	147.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.03	.00	.03	192.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.05	.00	.05	333.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.08	.00	.08	510.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.10	.00	.10	721.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.16	.00	.16	1083.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.36	.00	.36	2270.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.25	.00	.25	2118.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.26	.00	.26	2079.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.08	.00	.08	1139.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	418.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	160.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.01	.00	.01	85.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.01	.00	.01	61.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.01	.00	.01	50.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.01	.00	.01	48.	*	4	APR	0100	74	.00	.00	.00	0.

							day3.out						
2 APR 0000	25	.01	.00	.01	48.	*	4 APR 0200	75	.00	.00	.00	0.	
2 APR 0100	26	.00	.00	.00	32.	*	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	3.	*	4 APR 0500	78	.00	.00	.00	0.	
2 APR 0400	29	.00	.00	.00	1.	*	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 = 1.52, TOTAL LOSS = .00, TOTAL EXCESS = 1.52

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	2270.	14.00	1543.	499.	167.	121.
		(INCHES)	1.170	1.512	1.517	1.517
		(AC-FT)	765.	989.	992.	992.

CUMULATIVE AREA = 12.26 SQ MI

HYDROGRAPH MULTIPLIED BY .30

HYDROGRAPH AT STATION 12A

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
				*					*					*					*
				*					*					*					*

day3.out														
1 APR 0000	1	0.	*	2 APR 0100	26	10.	*	3 APR 0200	51	0.	*	4 APR 0300	76	0.
1 APR 0100	2	5.	*	2 APR 0200	27	3.	*	3 APR 0300	52	0.	*	4 APR 0400	77	0.
1 APR 0200	3	11.	*	2 APR 0300	28	1.	*	3 APR 0400	53	0.	*	4 APR 0500	78	0.
1 APR 0300	4	13.	*	2 APR 0400	29	0.	*	3 APR 0500	54	0.	*	4 APR 0600	79	0.
1 APR 0400	5	23.	*	2 APR 0500	30	0.	*	3 APR 0600	55	0.	*	4 APR 0700	80	0.
1 APR 0500	6	27.	*	2 APR 0600	31	0.	*	3 APR 0700	56	0.	*	4 APR 0800	81	0.
1 APR 0600	7	31.	*	2 APR 0700	32	0.	*	3 APR 0800	57	0.	*	4 APR 0900	82	0.
1 APR 0700	8	39.	*	2 APR 0800	33	0.	*	3 APR 0900	58	0.	*	4 APR 1000	83	0.
1 APR 0800	9	44.	*	2 APR 0900	34	0.	*	3 APR 1000	59	0.	*	4 APR 1100	84	0.
1 APR 0900	10	58.	*	2 APR 1000	35	0.	*	3 APR 1100	60	0.	*	4 APR 1200	85	0.
1 APR 1000	11	100.	*	2 APR 1100	36	0.	*	3 APR 1200	61	0.	*	4 APR 1300	86	0.
1 APR 1100	12	153.	*	2 APR 1200	37	0.	*	3 APR 1300	62	0.	*	4 APR 1400	87	0.
1 APR 1200	13	216.	*	2 APR 1300	38	0.	*	3 APR 1400	63	0.	*	4 APR 1500	88	0.
1 APR 1300	14	325.	*	2 APR 1400	39	0.	*	3 APR 1500	64	0.	*	4 APR 1600	89	0.
1 APR 1400	15	681.	*	2 APR 1500	40	0.	*	3 APR 1600	65	0.	*	4 APR 1700	90	0.
1 APR 1500	16	635.	*	2 APR 1600	41	0.	*	3 APR 1700	66	0.	*	4 APR 1800	91	0.
1 APR 1600	17	624.	*	2 APR 1700	42	0.	*	3 APR 1800	67	0.	*	4 APR 1900	92	0.
1 APR 1700	18	342.	*	2 APR 1800	43	0.	*	3 APR 1900	68	0.	*	4 APR 2000	93	0.
1 APR 1800	19	125.	*	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	25.	*	2 APR 2100	46	0.	*	3 APR 2200	71	0.	*	4 APR 2300	96	0.
1 APR 2100	22	18.	*	2 APR 2200	47	0.	*	3 APR 2300	72	0.	*	5 APR 0000	97	0.
1 APR 2200	23	15.	*	2 APR 2300	48	0.	*	4 APR 0000	73	0.	*	5 APR 0100	98	0.
1 APR 2300	24	14.	*	3 APR 0000	49	0.	*	4 APR 0100	74	0.	*	5 APR 0200	99	0.
2 APR 0000	25	14.	*	3 APR 0100	50	0.	*	4 APR 0200	75	0.	*	5 APR 0300	100	0.

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)					
+	681.	14.00	(CFS)	463.	150.	50.	36.
			(INCHES)	.351	.454	.455	.455
			(AC-FT)	230.	297.	298.	298.

CUMULATIVE AREA = 12.26 SQ MI

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268 KK	*	*	
	*	*	
	*	*	
	*	*	

LAKEVIEW SUB-AREA (70% VALLEY)

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

272 IN TIME DATA FOR INPUT TIME SERIES

day3.out

JXMIN 15 TIME INTERVAL IN MINUTES
 JXDATE 1APR92 STARTING DATE
 JXTIME 30 STARTING TIME
 UHG FROM VALLEY S-GRAPH

SUBBASIN RUNOFF DATA

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

PRECIPITATION DATA

271 PB STORM 1.52 BASIN TOTAL PRECIPITATION

273 PI INCREMENTAL PRECIPITATION PATTERN
 .00 .00 .00 .01 .01 .01 .01 .01 .02 .03
 .05 .07 .11 .24 .17 .17 .06 .01 .00 .00
 .00 .00 .00 .00 .00 .00

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

283 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	15.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.01	.00	.01	35.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.01	.00	.01	42.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	75.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	87.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	99.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.02	.00	.02	126.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.02	.00	.02	143.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.03	.00	.03	188.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.05	.00	.05	325.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.08	.00	.08	492.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.10	.00	.10	694.	*	3	APR	1400	63	.00	.00	.00	0.

						day3.out						
1 APR 1300	14	.16	.00	.16	1046.	*	3 APR 1500	64	.00	.00	.00	0.
1 APR 1400	15	.36	.00	.36	2194.	*	3 APR 1600	65	.00	.00	.00	0.
1 APR 1500	16	.25	.00	.25	2018.	*	3 APR 1700	66	.00	.00	.00	0.
1 APR 1600	17	.26	.00	.26	2027.	*	3 APR 1800	67	.00	.00	.00	0.
1 APR 1700	18	.08	.00	.08	1163.	*	3 APR 1900	68	.00	.00	.00	0.
1 APR 1800	19	.01	.00	.01	501.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.01	.00	.01	269.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.01	.00	.01	152.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.01	.00	.01	94.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.01	.00	.01	63.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.01	.00	.01	50.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.01	.00	.01	48.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	33.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	12.	*	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	3.	*	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	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 = 1.52, TOTAL LOSS = .00, TOTAL EXCESS = 1.52

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	2194.	14.00	1508.	498.	167.	121.
		(INCHES)	1.143	1.511	1.517	1.517
		(AC-FT)	748.	988.	992.	992.

CUMULATIVE AREA = 12.26 SQ MI

day3.out

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	23.	*	3	APR	0200	51	0.	*	4	APR	0300	76	0.
1	APR	0100	2	11.	*	2	APR	0200	27	9.	*	3	APR	0300	52	0.	*	4	APR	0400	77	0.
1	APR	0200	3	25.	*	2	APR	0300	28	4.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.
1	APR	0300	4	30.	*	2	APR	0400	29	2.	*	3	APR	0500	54	0.	*	4	APR	0600	79	0.
1	APR	0400	5	53.	*	2	APR	0500	30	1.	*	3	APR	0600	55	0.	*	4	APR	0700	80	0.
1	APR	0500	6	61.	*	2	APR	0600	31	0.	*	3	APR	0700	56	0.	*	4	APR	0800	81	0.
1	APR	0600	7	69.	*	2	APR	0700	32	0.	*	3	APR	0800	57	0.	*	4	APR	0900	82	0.
1	APR	0700	8	88.	*	2	APR	0800	33	0.	*	3	APR	0900	58	0.	*	4	APR	1000	83	0.
1	APR	0800	9	100.	*	2	APR	0900	34	0.	*	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	227.	*	2	APR	1100	36	0.	*	3	APR	1200	61	0.	*	4	APR	1300	86	0.
1	APR	1100	12	344.	*	2	APR	1200	37	0.	*	3	APR	1300	62	0.	*	4	APR	1400	87	0.
1	APR	1200	13	486.	*	2	APR	1300	38	0.	*	3	APR	1400	63	0.	*	4	APR	1500	88	0.
1	APR	1300	14	732.	*	2	APR	1400	39	0.	*	3	APR	1500	64	0.	*	4	APR	1600	89	0.
1	APR	1400	15	1536.	*	2	APR	1500	40	0.	*	3	APR	1600	65	0.	*	4	APR	1700	90	0.
1	APR	1500	16	1412.	*	2	APR	1600	41	0.	*	3	APR	1700	66	0.	*	4	APR	1800	91	0.
1	APR	1600	17	1419.	*	2	APR	1700	42	0.	*	3	APR	1800	67	0.	*	4	APR	1900	92	0.
1	APR	1700	18	814.	*	2	APR	1800	43	0.	*	3	APR	1900	68	0.	*	4	APR	2000	93	0.
1	APR	1800	19	351.	*	2	APR	1900	44	0.	*	3	APR	2000	69	0.	*	4	APR	2100	94	0.
1	APR	1900	20	188.	*	2	APR	2000	45	0.	*	3	APR	2100	70	0.	*	4	APR	2200	95	0.
1	APR	2000	21	107.	*	2	APR	2100	46	0.	*	3	APR	2200	71	0.	*	4	APR	2300	96	0.
1	APR	2100	22	66.	*	2	APR	2200	47	0.	*	3	APR	2300	72	0.	*	5	APR	0000	97	0.
1	APR	2200	23	44.	*	2	APR	2300	48	0.	*	4	APR	0000	73	0.	*	5	APR	0100	98	0.
1	APR	2300	24	35.	*	3	APR	0000	49	0.	*	4	APR	0100	74	0.	*	5	APR	0200	99	0.
2	APR	0000	25	34.	*	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
1536.	14.00	(CFS)	1055.	349.	117.
		(INCHES)	.800	1.058	1.062
		(AC-FT)	523.	692.	694.

CUMULATIVE AREA = 12.26 SQ MI

day3.out

*** **

286 KK *****
* *
* G *
* *

RAMONA EXPRESSWAY

288 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	34309.	*	3	APR	0200	51	5992.	*	4	APR	0300	76	1103.	*
1	APR	0100	2	16.	*	2	APR	0200	27	29635.	*	3	APR	0300	52	5508.	*	4	APR	0400	77	1054.	*
1	APR	0200	3	37.	*	2	APR	0300	28	26134.	*	3	APR	0400	53	5068.	*	4	APR	0500	78	1009.	*
1	APR	0300	4	46.	*	2	APR	0400	29	22952.	*	3	APR	0500	54	4669.	*	4	APR	0600	79	965.	*
1	APR	0400	5	83.	*	2	APR	0500	30	20770.	*	3	APR	0600	55	4307.	*	4	APR	0700	80	924.	*
1	APR	0500	6	100.	*	2	APR	0600	31	19767.	*	3	APR	0700	56	3975.	*	4	APR	0800	81	885.	*
1	APR	0600	7	119.	*	2	APR	0700	32	19213.	*	3	APR	0800	57	3636.	*	4	APR	0900	82	850.	*
1	APR	0700	8	156.	*	2	APR	0800	33	18485.	*	3	APR	0900	58	3339.	*	4	APR	1000	83	816.	*
1	APR	0800	9	186.	*	2	APR	0900	34	17651.	*	3	APR	1000	59	3078.	*	4	APR	1100	84	785.	*
1	APR	0900	10	245.	*	2	APR	1000	35	16772.	*	3	APR	1100	60	2851.	*	4	APR	1200	85	756.	*
1	APR	1000	11	405.	*	2	APR	1100	36	15927.	*	3	APR	1200	61	2656.	*	4	APR	1300	86	729.	*
1	APR	1100	12	606.	*	2	APR	1200	37	15154.	*	3	APR	1300	62	2485.	*	4	APR	1400	87	703.	*
1	APR	1200	13	860.	*	2	APR	1300	38	14634.	*	3	APR	1400	63	2332.	*	4	APR	1500	88	680.	*
1	APR	1300	14	1305.	*	2	APR	1400	39	14101.	*	3	APR	1500	64	2193.	*	4	APR	1600	89	659.	*
1	APR	1400	15	2635.	*	2	APR	1500	40	13483.	*	3	APR	1600	65	2065.	*	4	APR	1700	90	640.	*
1	APR	1500	16	2913.	*	2	APR	1600	41	12789.	*	3	APR	1700	66	1941.	*	4	APR	1800	91	622.	*
1	APR	1600	17	3562.	*	2	APR	1700	42	12028.	*	3	APR	1800	67	1820.	*	4	APR	1900	92	606.	*
1	APR	1700	18	3456.	*	2	APR	1800	43	11223.	*	3	APR	1900	68	1710.	*	4	APR	2000	93	591.	*
1	APR	1800	19	3833.	*	2	APR	1900	44	10388.	*	3	APR	2000	69	1608.	*	4	APR	2100	94	577.	*
1	APR	1900	20	5174.	*	2	APR	2000	45	9668.	*	3	APR	2100	70	1515.	*	4	APR	2200	95	565.	*
1	APR	2000	21	8340.	*	2	APR	2100	46	9027.	*	3	APR	2200	71	1429.	*	4	APR	2300	96	554.	*
1	APR	2100	22	16620.	*	2	APR	2200	47	8357.	*	3	APR	2300	72	1351.	*	5	APR	0000	97	545.	*
1	APR	2200	23	41901.	*	2	APR	2300	48	7701.	*	4	APR	0000	73	1280.	*	5	APR	0100	98	537.	*
1	APR	2300	24	46195.	*	3	APR	0000	49	7084.	*	4	APR	0100	74	1215.	*	5	APR	0200	99	530.	*
2	APR	0000	25	39831.	*	3	APR	0100	50	6514.	*	4	APR	0200	75	1157.	*	5	APR	0300	100	524.	*

day3.out

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW 24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
+	46195.	23.00	(CFS)	35541.	20790.	8999.
			(INCHES)	.800	1.872	2.431
			(AC-FT)	17624.	41237.	53546.
						6662.
						2.475
						54506.

CUMULATIVE AREA = 413.00 SQ MI

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

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

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290 KK * G-H * ROUTE

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

295 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

296 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				

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

HYDROGRAPH AT STATION G-H

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE

day3.out													
1 APR 0000	1	0.	.00	*	2 APR 1000	35	24459.	5855.32	*	3 APR 2000	69	4309.	2164.92
1 APR 0100	2	0.	.00	*	2 APR 1100	36	23627.	5675.71	*	3 APR 2100	70	4141.	2106.33
1 APR 0200	3	0.	.02	*	2 APR 1200	37	22681.	5471.65	*	3 APR 2200	71	3989.	2050.35
1 APR 0300	4	0.	.10	*	2 APR 1300	38	21639.	5246.68	*	3 APR 2300	72	3897.	1993.84
1 APR 0400	5	0.	.26	*	2 APR 1400	39	20535.	5008.36	*	4 APR 0000	73	3800.	1934.58
1 APR 0500	6	1.	.58	*	2 APR 1500	40	19316.	4777.87	*	4 APR 0100	74	3699.	1873.01
1 APR 0600	7	2.	1.12	*	2 APR 1600	41	18077.	4569.37	*	4 APR 0200	75	3595.	1809.42
1 APR 0700	8	4.	1.93	*	2 APR 1700	42	16940.	4378.06	*	4 APR 0300	76	3487.	1743.84
1 APR 0800	9	6.	3.09	*	2 APR 1800	43	15803.	4186.74	*	4 APR 0400	77	3377.	1676.29
1 APR 0900	10	9.	4.66	*	2 APR 1900	44	14508.	4003.45	*	4 APR 0500	78	3263.	1607.00
1 APR 1000	11	13.	6.76	*	2 APR 2000	45	13025.	3857.99	*	4 APR 0600	79	3147.	1536.39
1 APR 1100	12	18.	9.59	*	2 APR 2100	46	11922.	3749.86	*	4 APR 0700	80	3030.	1464.90
1 APR 1200	13	25.	13.50	*	2 APR 2200	47	11014.	3660.77	*	4 APR 0800	81	2913.	1393.05
1 APR 1300	14	36.	19.05	*	2 APR 2300	48	10216.	3582.54	*	4 APR 0900	82	2792.	1319.37
1 APR 1400	15	51.	27.22	*	3 APR 0000	49	9495.	3511.36	*	4 APR 1000	83	2666.	1242.07
1 APR 1500	16	74.	39.80	*	3 APR 0100	50	8859.	3448.33	*	4 APR 1100	84	2535.	1162.22
1 APR 1600	17	111.	59.35	*	3 APR 0200	51	8372.	3400.14	*	4 APR 1200	85	2403.	1081.94
1 APR 1700	18	166.	88.98	*	3 APR 0300	52	8043.	3367.60	*	4 APR 1300	86	2274.	1002.87
1 APR 1800	19	245.	131.19	*	3 APR 0400	53	7913.	3336.83	*	4 APR 1400	87	2148.	926.18
1 APR 1900	20	349.	187.00	*	3 APR 0500	54	7779.	3296.10	*	4 APR 1500	88	2028.	852.63
1 APR 2000	21	483.	258.71	*	3 APR 0600	55	7608.	3244.29	*	4 APR 1600	89	1852.	785.22
1 APR 2100	22	683.	350.93	*	3 APR 0700	56	7405.	3182.57	*	4 APR 1700	90	1681.	726.82
1 APR 2200	23	967.	479.72	*	3 APR 0800	57	7175.	3112.53	*	4 APR 1800	91	1535.	677.05
1 APR 2300	24	1645.	714.62	*	3 APR 0900	58	6922.	3035.90	*	4 APR 1900	92	1411.	634.88
2 APR 0000	25	2865.	1363.92	*	3 APR 1000	59	6657.	2955.37	*	4 APR 2000	93	1306.	599.11
2 APR 0100	26	5305.	2513.01	*	3 APR 1100	60	6385.	2872.78	*	4 APR 2100	94	1217.	568.52
2 APR 0200	27	11606.	3718.80	*	3 APR 1200	61	6109.	2788.66	*	4 APR 2200	95	1139.	542.15
2 APR 0300	28	18403.	4624.36	*	3 APR 1300	62	5851.	2703.55	*	4 APR 2300	96	1072.	519.22
2 APR 0400	29	21630.	5244.72	*	3 APR 1400	63	5606.	2617.88	*	5 APR 0000	97	1013.	499.13
2 APR 0500	30	23666.	5684.04	*	3 APR 1500	64	5362.	2532.66	*	5 APR 0100	98	970.	481.03
2 APR 0600	31	24922.	5955.26	*	3 APR 1600	65	5122.	2448.98	*	5 APR 0200	99	933.	464.18
2 APR 0700	32	25481.	6076.79	*	3 APR 1700	66	4892.	2368.71	*	5 APR 0300	100	898.	448.37
2 APR 0800	33	25494.	6079.68	*	3 APR 1800	67	4680.	2294.68	*				
2 APR 0900	34	25113.	5996.63	*	3 APR 1900	68	4487.	2227.29	*				

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)				
+	25494.	24853.	18201.	8863.	6525.
	(CFS)				
	(INCHES)	.559	1.639	2.394	2.424
	(AC-FT)	12324.	36100.	52741.	53382.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	99.00-HR
+	(AC-FT)				
+	6080.	5941.	4759.	2864.	2122.

CUMULATIVE AREA = 413.00 SQ MI

day3.out

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

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* *
301 KK 13 * SUBAREA 13
* *

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

306 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

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

PRECIPITATION DATA

305 PB STORM 1.72 BASIN TOTAL PRECIPITATION

307 PI INCREMENTAL PRECIPITATION PATTERN
.00 .00 .00 .00 .01 .01 .01 .01 .02 .03
.06 .07 .09 .21 .18 .17 .08 .00 .00 .00
.00 .00 .00 .00 .00 .00

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

317 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

day3.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	10.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.01	.00	.01	41.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.01	.00	.01	67.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	78.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	103.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	140.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.02	.00	.02	174.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.02	.00	.02	219.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.03	.00	.03	279.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.06	.00	.06	470.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.11	.00	.11	857.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.12	.00	.12	1203.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.16	.00	.16	1591.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.37	.00	.37	2838.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.31	.00	.31	3672.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.30	.00	.30	3834.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.14	.00	.14	3310.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	2146.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	1378.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.01	.00	.01	1046.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.01	.00	.01	839.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.01	.00	.01	702.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.01	.00	.01	607.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.01	.00	.01	539.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	471.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	386.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	309.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	254.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	208.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	161.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	127.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	99.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	83.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	75.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	67.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	51.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	33.	*	4	APR	1500	88	.00	.00	.00	0.
2	APR	1400	39	.00	.00	.00	17.	*	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	3.	*	4	APR	1800	91	.00	.00	.00	0.
2	APR	1700	42	.00	.00	.00	2.	*	4	APR	1900	92	.00	.00	.00	0.
2	APR	1800	43	.00	.00	.00	2.	*	4	APR	2000	93	.00	.00	.00	0.
2	APR	1900	44	.00	.00	.00	1.	*	4	APR	2100	94	.00	.00	.00	0.
2	APR	2000	45	.00	.00	.00	1.	*	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	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.

day3.out

TOTAL RAINFALL = 1.72, TOTAL LOSS = .00, TOTAL EXCESS = 1.72

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)					
			(CFS)				
+	3834.	16.00	2881.	1145.	396.	288.	
			(INCHES)	1.041	1.655	1.716	
			(AC-FT)	1429.	2272.	2356.	

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	189.	*	3	APR	0200	51	0.	*	4	APR	0300	76	0.	*
1	APR	0100	2	4.	*	2	APR	0200	27	154.	*	3	APR	0300	52	0.	*	4	APR	0400	77	0.	*
1	APR	0200	3	17.	*	2	APR	0300	28	124.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.	*
1	APR	0300	4	27.	*	2	APR	0400	29	102.	*	3	APR	0500	54	0.	*	4	APR	0600	79	0.	*
1	APR	0400	5	31.	*	2	APR	0500	30	83.	*	3	APR	0600	55	0.	*	4	APR	0700	80	0.	*
1	APR	0500	6	41.	*	2	APR	0600	31	64.	*	3	APR	0700	56	0.	*	4	APR	0800	81	0.	*
1	APR	0600	7	56.	*	2	APR	0700	32	51.	*	3	APR	0800	57	0.	*	4	APR	0900	82	0.	*
1	APR	0700	8	70.	*	2	APR	0800	33	40.	*	3	APR	0900	58	0.	*	4	APR	1000	83	0.	*
1	APR	0800	9	87.	*	2	APR	0900	34	33.	*	3	APR	1000	59	0.	*	4	APR	1100	84	0.	*
1	APR	0900	10	112.	*	2	APR	1000	35	30.	*	3	APR	1100	60	0.	*	4	APR	1200	85	0.	*
1	APR	1000	11	188.	*	2	APR	1100	36	27.	*	3	APR	1200	61	0.	*	4	APR	1300	86	0.	*
1	APR	1100	12	343.	*	2	APR	1200	37	20.	*	3	APR	1300	62	0.	*	4	APR	1400	87	0.	*
1	APR	1200	13	481.	*	2	APR	1300	38	13.	*	3	APR	1400	63	0.	*	4	APR	1500	88	0.	*
1	APR	1300	14	637.	*	2	APR	1400	39	7.	*	3	APR	1500	64	0.	*	4	APR	1600	89	0.	*
1	APR	1400	15	1135.	*	2	APR	1500	40	2.	*	3	APR	1600	65	0.	*	4	APR	1700	90	0.	*
1	APR	1500	16	1469.	*	2	APR	1600	41	1.	*	3	APR	1700	66	0.	*	4	APR	1800	91	0.	*
1	APR	1600	17	1534.	*	2	APR	1700	42	1.	*	3	APR	1800	67	0.	*	4	APR	1900	92	0.	*
1	APR	1700	18	1324.	*	2	APR	1800	43	1.	*	3	APR	1900	68	0.	*	4	APR	2000	93	0.	*
1	APR	1800	19	859.	*	2	APR	1900	44	1.	*	3	APR	2000	69	0.	*	4	APR	2100	94	0.	*
1	APR	1900	20	551.	*	2	APR	2000	45	0.	*	3	APR	2100	70	0.	*	4	APR	2200	95	0.	*
1	APR	2000	21	419.	*	2	APR	2100	46	0.	*	3	APR	2200	71	0.	*	4	APR	2300	96	0.	*
1	APR	2100	22	336.	*	2	APR	2200	47	0.	*	3	APR	2300	72	0.	*	5	APR	0000	97	0.	*

1 APR 2200	23	281.	*	2 APR 2300	48	0.	*	4 APR 0000	73	0.	*	5 APR 0100	98	0.
1 APR 2300	24	243.	*	3 APR 0000	49	0.	*	4 APR 0100	74	0.	*	5 APR 0200	99	0.
2 APR 0000	25	216.	*	3 APR 0100	50	0.	*	4 APR 0200	75	0.	*	5 APR 0300	100	0.
			*				*				*			

day3.out

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	1534.	16.00	1152.	458.	158.	115.
		(INCHES)	.416	.662	.686	.686
		(AC-FT)	571.	909.	942.	942.
CUMULATIVE AREA =			25.74 SQ MI			

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322 KK 13 SUBAREA 13

NUEVO(60% VALLEY)

COMBINE AT THE D/S OF RAMONA EXPWY PER CDJ

327 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

325 BA SUBBASIN CHARACTERISTICS

 TAREA 25.74 SUBBASIN AREA

 SNAP .00 NORMAL ANNUAL PRECIPITATION

 RATIO .60 RATIO OF HYDROGRAPH

PRECIPITATION DATA

326 PB STORM 1.72 BASIN TOTAL PRECIPITATION

328 PI INCREMENTAL PRECIPITATION PATTERN

.00	.00	.00	.00	.01	.01	.01	.01	.02	.03
.06	.07	.09	.21	.18	.17	.08	.00	.00	.00
.00	.00	.00	.00	.00	.00				

day3.out

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

338 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	8.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.01	.00	.01	37.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.01	.00	.01	72.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	87.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	108.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	148.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.02	.00	.02	188.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.02	.00	.02	233.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.03	.00	.03	296.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.06	.00	.06	462.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.11	.00	.11	855.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.12	.00	.12	1295.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.16	.00	.16	1690.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.37	.00	.37	2784.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.31	.00	.31	4085.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.30	.00	.30	4302.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.14	.00	.14	3903.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	2580.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	1427.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.01	.00	.01	953.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.01	.00	.01	713.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.01	.00	.01	563.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.01	.00	.01	455.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.01	.00	.01	373.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	296.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	218.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	149.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	97.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	61.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	29.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	12.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	7.	*	4	APR	1000	83	.00	.00	.00	0.

										day3.out				
2 APR 0900	34	.00	.00	.00	5.	*	4 APR 1100	84	.00	.00	.00	0.		
2 APR 1000	35	.00	.00	.00	4.	*	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	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 = 1.72, TOTAL LOSS = .00, TOTAL EXCESS = 1.72

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
(CFS)	(HR)	(CFS)				
+ 4302.	16.00		3202.	1174.	396.	288.
		(INCHES)	1.157	1.696	1.716	1.716
		(AC-FT)	1588.	2328.	2356.	2356.

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	177.	*	3	APR	0200	51	0.	*	4	APR	0300	76	0.	
1	APR	0100	2	5.	*	2	APR	0200	27	131.	*	3	APR	0300	52	0.	*	4	APR	0400	77	0.	
1	APR	0200	3	22.	*	2	APR	0300	28	89.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.	
1	APR	0300	4	43.	*	2	APR	0400	29	58.	*	3	APR	0500	54	0.	*	4	APR	0600	79	0.	
1	APR	0400	5	52.	*	2	APR	0500	30	37.	*	3	APR	0600	55	0.	*	4	APR	0700	80	0.	
1	APR	0500	6	65.	*	2	APR	0600	31	17.	*	3	APR	0700	56	0.	*	4	APR	0800	81	0.	
1	APR	0600	7	89.	*	2	APR	0700	32	7.	*	3	APR	0800	57	0.	*	4	APR	0900	82	0.	
1	APR	0700	8	113.	*	2	APR	0800	33	4.	*	3	APR	0900	58	0.	*	4	APR	1000	83	0.	
1	APR	0800	9	140.	*	2	APR	0900	34	3.	*	3	APR	1000	59	0.	*	4	APR	1100	84	0.	

day3.out														
1 APR 0900	10	178.	*	2 APR 1000	35	2.	*	3 APR 1100	60	0.	*	4 APR 1200	85	0.
1 APR 1000	11	277.	*	2 APR 1100	36	2.	*	3 APR 1200	61	0.	*	4 APR 1300	86	0.
1 APR 1100	12	513.	*	2 APR 1200	37	1.	*	3 APR 1300	62	0.	*	4 APR 1400	87	0.
1 APR 1200	13	777.	*	2 APR 1300	38	1.	*	3 APR 1400	63	0.	*	4 APR 1500	88	0.
1 APR 1300	14	1014.	*	2 APR 1400	39	0.	*	3 APR 1500	64	0.	*	4 APR 1600	89	0.
1 APR 1400	15	1670.	*	2 APR 1500	40	0.	*	3 APR 1600	65	0.	*	4 APR 1700	90	0.
1 APR 1500	16	2451.	*	2 APR 1600	41	0.	*	3 APR 1700	66	0.	*	4 APR 1800	91	0.
1 APR 1600	17	2581.	*	2 APR 1700	42	0.	*	3 APR 1800	67	0.	*	4 APR 1900	92	0.
1 APR 1700	18	2342.	*	2 APR 1800	43	0.	*	3 APR 1900	68	0.	*	4 APR 2000	93	0.
1 APR 1800	19	1548.	*	2 APR 1900	44	0.	*	3 APR 2000	69	0.	*	4 APR 2100	94	0.
1 APR 1900	20	856.	*	2 APR 2000	45	0.	*	3 APR 2100	70	0.	*	4 APR 2200	95	0.
1 APR 2000	21	572.	*	2 APR 2100	46	0.	*	3 APR 2200	71	0.	*	4 APR 2300	96	0.
1 APR 2100	22	428.	*	2 APR 2200	47	0.	*	3 APR 2300	72	0.	*	5 APR 0000	97	0.
1 APR 2200	23	338.	*	2 APR 2300	48	0.	*	4 APR 0000	73	0.	*	5 APR 0100	98	0.
1 APR 2300	24	273.	*	3 APR 0000	49	0.	*	4 APR 0100	74	0.	*	5 APR 0200	99	0.
2 APR 0000	25	224.	*	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
+	2581.	16.00				
			(CFS)			
			1921.	704.	238.	173.
		(INCHES)	.694	1.018	1.030	1.030
		(AC-FT)	953.	1397.	1413.	1413.
CUMULATIVE AREA =			25.74 SQ MI			

*** **

342 KK *****
 * *
 * NUEVDS *
 * *

COMBINE THE SAN JACINTO RIVER WITH SUBAREAS 12&13

344 HC HYDROGRAPH COMBINATION
 ICOMP 3 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION NUEVDS
 SUM OF 3 HYDROGRAPHS

day3.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	5671.	*	3	APR	0200	51	8372.	*	4	APR	0300	76	3487.
1	APR	0100	2	9.	*	2	APR	0200	27	11891.	*	3	APR	0300	52	8043.	*	4	APR	0400	77	3377.
1	APR	0200	3	39.	*	2	APR	0300	28	18617.	*	3	APR	0400	53	7913.	*	4	APR	0500	78	3263.
1	APR	0300	4	70.	*	2	APR	0400	29	21790.	*	3	APR	0500	54	7779.	*	4	APR	0600	79	3147.
1	APR	0400	5	84.	*	2	APR	0500	30	23785.	*	3	APR	0600	55	7608.	*	4	APR	0700	80	3030.
1	APR	0500	6	107.	*	2	APR	0600	31	25004.	*	3	APR	0700	56	7405.	*	4	APR	0800	81	2913.
1	APR	0600	7	147.	*	2	APR	0700	32	25539.	*	3	APR	0800	57	7175.	*	4	APR	0900	82	2792.
1	APR	0700	8	186.	*	2	APR	0800	33	25538.	*	3	APR	0900	58	6922.	*	4	APR	1000	83	2666.
1	APR	0800	9	233.	*	2	APR	0900	34	25149.	*	3	APR	1000	59	6657.	*	4	APR	1100	84	2535.
1	APR	0900	10	298.	*	2	APR	1000	35	24492.	*	3	APR	1100	60	6385.	*	4	APR	1200	85	2403.
1	APR	1000	11	478.	*	2	APR	1100	36	23655.	*	3	APR	1200	61	6109.	*	4	APR	1300	86	2274.
1	APR	1100	12	874.	*	2	APR	1200	37	22703.	*	3	APR	1300	62	5851.	*	4	APR	1400	87	2148.
1	APR	1200	13	1283.	*	2	APR	1300	38	21653.	*	3	APR	1400	63	5606.	*	4	APR	1500	88	2028.
1	APR	1300	14	1686.	*	2	APR	1400	39	20542.	*	3	APR	1500	64	5362.	*	4	APR	1600	89	1852.
1	APR	1400	15	2856.	*	2	APR	1500	40	19318.	*	3	APR	1600	65	5122.	*	4	APR	1700	90	1681.
1	APR	1500	16	3994.	*	2	APR	1600	41	18078.	*	3	APR	1700	66	4892.	*	4	APR	1800	91	1535.
1	APR	1600	17	4226.	*	2	APR	1700	42	16941.	*	3	APR	1800	67	4680.	*	4	APR	1900	92	1411.
1	APR	1700	18	3832.	*	2	APR	1800	43	15803.	*	3	APR	1900	68	4487.	*	4	APR	2000	93	1306.
1	APR	1800	19	2652.	*	2	APR	1900	44	14509.	*	3	APR	2000	69	4309.	*	4	APR	2100	94	1217.
1	APR	1900	20	1757.	*	2	APR	2000	45	13025.	*	3	APR	2100	70	4141.	*	4	APR	2200	95	1139.
1	APR	2000	21	1473.	*	2	APR	2100	46	11923.	*	3	APR	2200	71	3989.	*	4	APR	2300	96	1072.
1	APR	2100	22	1447.	*	2	APR	2200	47	11014.	*	3	APR	2300	72	3897.	*	5	APR	0000	97	1013.
1	APR	2200	23	1585.	*	2	APR	2300	48	10216.	*	4	APR	0000	73	3800.	*	5	APR	0100	98	970.
1	APR	2300	24	2161.	*	3	APR	0000	49	9495.	*	4	APR	0100	74	3699.	*	5	APR	0200	99	933.
2	APR	0000	25	3304.	*	3	APR	0100	50	8859.	*	4	APR	0200	75	3595.	*	5	APR	0300	100	898.
*****					*	*****					*	*****					*	*****				

PEAK FLOW	TIME		MAXIMUM	AVERAGE	FLOW	
+	(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
+	25539.	31.00	(CFS)			
		(INCHES)	24907.	18248.	9026.	6812.
		(AC-FT)	.499	1.461	2.168	2.250
			12351.	36194.	53710.	55738.

CUMULATIVE AREA = 464.48 SQ MI

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345 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

357 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

355 BA SUBBASIN CHARACTERISTICS
 TAREA 9.03 SUBBASIN AREA

PRECIPITATION DATA

356 PB STORM 1.40 BASIN TOTAL PRECIPITATION

358 PI INCREMENTAL PRECIPITATION PATTERN

.00	.00	.00	.01	.01	.01	.01	.01	.02	.03
.06	.05	.07	.20	.20	.18	.11	.00	.01	.00
.00	.00	.00	.00	.00	.00				

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

363 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
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	4.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.01	.00	.01	23.	*	3	APR	0400	53	.00	.00	.00	0.

						day3.out						
1 APR 0300	4	.01	.00	.01	30.	*	3 APR 0500	54	.00	.00	.00	0.
1 APR 0400	5	.01	.00	.01	42.	*	3 APR 0600	55	.00	.00	.00	0.
1 APR 0500	6	.01	.00	.01	48.	*	3 APR 0700	56	.00	.00	.00	0.
1 APR 0600	7	.01	.00	.01	64.	*	3 APR 0800	57	.00	.00	.00	0.
1 APR 0700	8	.01	.00	.01	73.	*	3 APR 0900	58	.00	.00	.00	0.
1 APR 0800	9	.02	.00	.02	91.	*	3 APR 1000	59	.00	.00	.00	0.
1 APR 0900	10	.02	.00	.02	116.	*	3 APR 1100	60	.00	.00	.00	0.
1 APR 1000	11	.04	.00	.04	175.	*	3 APR 1200	61	.00	.00	.00	0.
1 APR 1100	12	.09	.00	.09	390.	*	3 APR 1300	62	.00	.00	.00	0.
1 APR 1200	13	.08	.00	.08	416.	*	3 APR 1400	63	.00	.00	.00	0.
1 APR 1300	14	.10	.00	.10	538.	*	3 APR 1500	64	.00	.00	.00	0.
1 APR 1400	15	.28	.00	.28	1262.	*	3 APR 1600	65	.00	.00	.00	0.
1 APR 1500	16	.27	.00	.27	1447.	*	3 APR 1700	66	.00	.00	.00	0.
1 APR 1600	17	.25	.00	.25	1444.	*	3 APR 1800	67	.00	.00	.00	0.
1 APR 1700	18	.15	.00	.15	1066.	*	3 APR 1900	68	.00	.00	.00	0.
1 APR 1800	19	.01	.00	.01	398.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.01	.00	.01	204.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.01	.00	.01	113.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.01	.00	.01	65.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.01	.00	.01	43.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.01	.00	.01	33.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.00	.00	.00	25.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	18.	*	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	1.	*	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 = 1.40, TOTAL LOSS = .00, TOTAL EXCESS = 1.40

day3.out

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	72-HR	99.00-HR
+	(CFS)	(HR)		24-HR		
		(CFS)	1027.	338.	113.	82.
		(INCHES)	1.057	1.392	1.396	1.396
		(AC-FT)	509.	671.	672.	672.
CUMULATIVE AREA =			9.03 SQ MI			

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366 KK *****
 * *
 * PB *
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PIGEON PASS RESERVOIR ROUTING

HYDROGRAPH ROUTING DATA

368 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	
369 SV	STORAGE	.0	24.0	124.0 314.0 565.0 885.0 1720.0 1720.0
370 SE	ELEVATION	1670.00	1676.00	1680.00 1684.00 1688.00 1692.00 1696.00 1700.00
371 SQ	DISCHARGE	0.	80.	90. 100. 110. 120. 130.
372 SE	ELEVATION	1670.00	1671.00	1674.00 1678.00 1683.50 1689.50 1695.50

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						
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.

day3.out

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	*
1	APR	0000	1	0.				.0	1670.0	*		2	APR	1000	35	113.	414.2	1685.6	*
1	APR	0100	2	2.				.1	1670.0	*		2	APR	1100	36	113.	404.9	1685.4	*
1	APR	0200	3	12.				.6	1670.2	*		2	APR	1200	37	113.	395.5	1685.3	*
1	APR	0300	4	25.				1.3	1670.3	*		2	APR	1300	38	113.	386.2	1685.2	*
1	APR	0400	5	35.				1.8	1670.4	*		2	APR	1400	39	113.	376.9	1685.0	*
1	APR	0500	6	44.				2.2	1670.5	*		2	APR	1500	40	112.	367.6	1684.9	*
1	APR	0600	7	55.				2.7	1670.7	*		2	APR	1600	41	112.	358.3	1684.7	*
1	APR	0700	8	67.				3.4	1670.8	*		2	APR	1700	42	112.	349.1	1684.6	*
1	APR	0800	9	80.				4.0	1671.0	*		2	APR	1800	43	112.	339.8	1684.4	*
1	APR	0900	10	82.				5.9	1671.5	*		2	APR	1900	44	111.	330.6	1684.3	*
1	APR	1000	11	86.				11.0	1672.7	*		2	APR	2000	45	111.	321.5	1684.1	*
1	APR	1100	12	95.				26.8	1676.1	*		2	APR	2100	46	111.	312.3	1684.0	*
1	APR	1200	13	98.				52.1	1677.1	*		2	APR	2200	47	110.	303.1	1683.8	*
1	APR	1300	14	101.				83.3	1678.4	*		2	APR	2300	48	110.	294.0	1683.6	*
1	APR	1400	15	105.				149.2	1680.5	*		3	APR	0000	49	110.	284.9	1683.4	*
1	APR	1500	16	109.				252.4	1682.7	*		3	APR	0100	50	109.	275.9	1683.2	*
1	APR	1600	17	112.				362.7	1684.8	*		3	APR	0200	51	109.	266.9	1683.0	*
1	APR	1700	18	115.				457.0	1686.3	*		3	APR	0300	52	109.	257.9	1682.8	*
1	APR	1800	19	116.				507.9	1687.1	*		3	APR	0400	53	108.	248.9	1682.6	*
1	APR	1900	20	116.				523.2	1687.3	*		3	APR	0500	54	108.	239.9	1682.4	*
1	APR	2000	21	116.				526.7	1687.4	*		3	APR	0600	55	108.	231.0	1682.3	*
1	APR	2100	22	116.				524.4	1687.4	*		3	APR	0700	56	107.	222.1	1682.1	*
1	APR	2200	23	116.				519.3	1687.3	*		3	APR	0800	57	107.	213.3	1681.9	*
1	APR	2300	24	116.				512.8	1687.2	*		3	APR	0900	58	107.	204.4	1681.7	*
2	APR	0000	25	116.				505.6	1687.1	*		3	APR	1000	59	106.	195.6	1681.5	*
2	APR	0100	26	116.				497.9	1686.9	*		3	APR	1100	60	106.	186.8	1681.3	*
2	APR	0200	27	115.				489.3	1686.8	*		3	APR	1200	61	106.	178.1	1681.1	*
2	APR	0300	28	115.				480.1	1686.6	*		3	APR	1300	62	105.	169.4	1681.0	*
2	APR	0400	29	115.				470.8	1686.5	*		3	APR	1400	63	105.	160.7	1680.8	*
2	APR	0500	30	115.				461.4	1686.3	*		3	APR	1500	64	105.	152.0	1680.6	*
2	APR	0600	31	114.				451.9	1686.2	*		3	APR	1600	65	104.	143.4	1680.4	*
2	APR	0700	32	114.				442.5	1686.0	*		3	APR	1700	66	104.	134.8	1680.2	*
2	APR	0800	33	114.				433.0	1685.9	*		3	APR	1800	67	104.	126.2	1680.0	*
2	APR	0900	34	114.				423.6	1685.7	*		3	APR	1900	68	103.	117.6	1679.7	*

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

day3.out

+	116.	20.00		116.	115.	107.	82.
			(INCHES)	.120	.472	1.324	1.396
			(AC-FT)	58.	227.	637.	672.

PEAK STORAGE	TIME		MAXIMUM AVERAGE STORAGE
		6-HR	24-HR 72-HR 99.00-HR
+	(AC-FT) (HR)		
	527. 20.00	519.	456. 263. 191.

PEAK STAGE	TIME		MAXIMUM AVERAGE STAGE
		6-HR	24-HR 72-HR 99.00-HR
+	(FEET) (HR)		
	1687.39 20.00	1687.26	1686.26 1682.19 1678.92

CUMULATIVE AREA = 9.03 SQ MI

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

377 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

375 BA SUBBASIN CHARACTERISTICS
 TAREA 1.17 SUBBASIN AREA

PRECIPITATION DATA

376 PB STORM 1.41 BASIN TOTAL PRECIPITATION

378 PI INCREMENTAL PRECIPITATION PATTERN

.00	.00	.00	.01	.01	.01	.01	.01	.02	.02
.06	.05	.07	.20	.19	.18	.11	.00	.01	.00
.00	.00	.00	.00	.00	.00				

383 LU UNIFORM LOSS RATE
 STRTL .00 INITIAL LOSS
 CNSTL .00 UNIFORM LOSS RATE

day3.out

RTIMP .00 PERCENT IMPERVIOUS AREA

383 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	1.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.01	.00	.01	4.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.01	.00	.01	5.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	6.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	7.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	9.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	10.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.02	.00	.02	13.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.02	.00	.02	16.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.03	.00	.03	26.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.09	.00	.09	63.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.08	.00	.08	58.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.11	.00	.11	78.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.28	.00	.28	206.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.27	.00	.27	208.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.26	.00	.26	194.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.15	.00	.15	121.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	12.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	6.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.01	.00	.01	5.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.01	.00	.01	4.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.01	.00	.01	4.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.01	.00	.01	4.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	3.	*	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	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.

							day3.out						
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 = 1.41, TOTAL LOSS = .00, TOTAL EXCESS = 1.41

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	208.	15.00	140.	44.	15.	11.
		(INCHES)	1.113	1.408	1.409	1.409
		(AC-FT)	70.	88.	88.	88.
CUMULATIVE AREA =			1.17 SQ MI			

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386 KK

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INFLOW HYDROGRAPH FOR INDIAN-FESTIVAL BASIN

388 HC HYDROGRAPH COMBINATION
 ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION IA
 SUM OF 2 HYDROGRAPHS

day3.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	118.	*	3	APR	0200	51	109.	*	4	APR	0300	76	98.	*
1	APR	0100	2	2.	*	2	APR	0200	27	116.	*	3	APR	0300	52	109.	*	4	APR	0400	77	97.	*
1	APR	0200	3	16.	*	2	APR	0300	28	115.	*	3	APR	0400	53	108.	*	4	APR	0500	78	96.	*
1	APR	0300	4	30.	*	2	APR	0400	29	115.	*	3	APR	0500	54	108.	*	4	APR	0600	79	95.	*
1	APR	0400	5	41.	*	2	APR	0500	30	115.	*	3	APR	0600	55	108.	*	4	APR	0700	80	92.	*
1	APR	0500	6	51.	*	2	APR	0600	31	114.	*	3	APR	0700	56	107.	*	4	APR	0800	81	87.	*
1	APR	0600	7	64.	*	2	APR	0700	32	114.	*	3	APR	0800	57	107.	*	4	APR	0900	82	81.	*
1	APR	0700	8	78.	*	2	APR	0800	33	114.	*	3	APR	0900	58	107.	*	4	APR	1000	83	19.	*
1	APR	0800	9	93.	*	2	APR	0900	34	114.	*	3	APR	1000	59	106.	*	4	APR	1100	84	2.	*
1	APR	0900	10	98.	*	2	APR	1000	35	113.	*	3	APR	1100	60	106.	*	4	APR	1200	85	0.	*
1	APR	1000	11	112.	*	2	APR	1100	36	113.	*	3	APR	1200	61	106.	*	4	APR	1300	86	0.	*
1	APR	1100	12	158.	*	2	APR	1200	37	113.	*	3	APR	1300	62	105.	*	4	APR	1400	87	0.	*
1	APR	1200	13	156.	*	2	APR	1300	38	113.	*	3	APR	1400	63	105.	*	4	APR	1500	88	0.	*
1	APR	1300	14	179.	*	2	APR	1400	39	113.	*	3	APR	1500	64	105.	*	4	APR	1600	89	0.	*
1	APR	1400	15	311.	*	2	APR	1500	40	112.	*	3	APR	1600	65	104.	*	4	APR	1700	90	0.	*
1	APR	1500	16	316.	*	2	APR	1600	41	112.	*	3	APR	1700	66	104.	*	4	APR	1800	91	0.	*
1	APR	1600	17	306.	*	2	APR	1700	42	112.	*	3	APR	1800	67	104.	*	4	APR	1900	92	0.	*
1	APR	1700	18	235.	*	2	APR	1800	43	112.	*	3	APR	1900	68	103.	*	4	APR	2000	93	0.	*
1	APR	1800	19	128.	*	2	APR	1900	44	111.	*	3	APR	2000	69	103.	*	4	APR	2100	94	0.	*
1	APR	1900	20	123.	*	2	APR	2000	45	111.	*	3	APR	2100	70	102.	*	4	APR	2200	95	0.	*
1	APR	2000	21	122.	*	2	APR	2100	46	111.	*	3	APR	2200	71	101.	*	4	APR	2300	96	0.	*
1	APR	2100	22	121.	*	2	APR	2200	47	110.	*	3	APR	2300	72	101.	*	5	APR	0000	97	0.	*
1	APR	2200	23	121.	*	2	APR	2300	48	110.	*	4	APR	0000	73	100.	*	5	APR	0100	98	0.	*
1	APR	2300	24	120.	*	3	APR	0000	49	110.	*	4	APR	0100	74	99.	*	5	APR	0200	99	0.	*
2	APR	0000	25	119.	*	3	APR	0100	50	109.	*	4	APR	0200	75	99.	*	5	APR	0300	100	0.	*

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
+	316.	15.00				
		(CFS)	248.	153.	121.	93.
		(INCHES)	.226	.556	1.326	1.398
		(AC-FT)	123.	303.	721.	761.

CUMULATIVE AREA = 10.20 SQ MI

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389 KK

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 * IB *
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day3.out

INDIAN STREET (FESTIVAL) BASIN ROUTING

HYDROGRAPH ROUTING DATA

391 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								
392 SA	AREA	.0	.6	3.5	8.9	10.9	11.1	11.3	11.5	11.6	11.7
		11.9	12.1								
394 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								
396 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	124.	32.5	1640.3	*	3	APR	2000	69	104.	24.1	1639.6
1	APR	0100	2	2.	.0	1635.6	*	2	APR	1100	36	122.	31.7	1640.3	*	3	APR	2100	70	104.	23.9	1639.6
1	APR	0200	3	15.	.1	1636.0	*	2	APR	1200	37	121.	31.0	1640.2	*	3	APR	2200	71	104.	23.7	1639.5
1	APR	0300	4	17.	.7	1636.3	*	2	APR	1300	38	120.	30.4	1640.1	*	3	APR	2300	72	103.	23.5	1639.5
1	APR	0400	5	23.	1.9	1637.0	*	2	APR	1400	39	119.	29.8	1640.1	*	4	APR	0000	73	103.	23.3	1639.5
1	APR	0500	6	31.	3.5	1637.3	*	2	APR	1500	40	118.	29.3	1640.0	*	4	APR	0100	74	102.	23.1	1639.5
1	APR	0600	7	41.	5.2	1637.5	*	2	APR	1600	41	117.	28.9	1640.0	*	4	APR	0200	75	101.	22.9	1639.5
1	APR	0700	8	52.	7.2	1637.9	*	2	APR	1700	42	116.	28.5	1640.0	*	4	APR	0300	76	101.	22.7	1639.4
1	APR	0800	9	61.	9.6	1638.2	*	2	APR	1800	43	115.	28.2	1639.9	*	4	APR	0400	77	100.	22.4	1639.4
1	APR	0900	10	69.	12.1	1638.4	*	2	APR	1900	44	115.	27.9	1639.9	*	4	APR	0500	78	99.	22.1	1639.4
1	APR	1000	11	78.	14.7	1638.7	*	2	APR	2000	45	114.	27.6	1639.9	*	4	APR	0600	79	99.	21.9	1639.4

day3.out																
1 APR 1100	12	91.	18.9	1639.1	*	2 APR 2100	46	113.	27.4	1639.9	*	4 APR 0700	80	98.	21.5	1639.3
1 APR 1200	13	104.	23.8	1639.5	*	2 APR 2200	47	113.	27.2	1639.9	*	4 APR 0800	81	96.	20.9	1639.3
1 APR 1300	14	116.	28.5	1640.0	*	2 APR 2300	48	112.	27.0	1639.8	*	4 APR 0900	82	94.	20.0	1639.2
1 APR 1400	15	134.	38.4	1640.9	*	3 APR 0000	49	112.	26.9	1639.8	*	4 APR 1000	83	85.	16.7	1638.9
1 APR 1500	16	156.	52.3	1642.1	*	3 APR 0100	50	111.	26.7	1639.8	*	4 APR 1100	84	67.	11.4	1638.3
1 APR 1600	17	175.	64.4	1643.1	*	3 APR 0200	51	111.	26.5	1639.8	*	4 APR 1200	85	49.	6.6	1637.8
1 APR 1700	18	185.	71.9	1643.8	*	3 APR 0300	52	111.	26.4	1639.8	*	4 APR 1300	86	31.	3.4	1637.2
1 APR 1800	19	185.	71.6	1643.7	*	3 APR 0400	53	110.	26.2	1639.8	*	4 APR 1400	87	20.	1.3	1636.6
1 APR 1900	20	178.	66.9	1643.3	*	3 APR 0500	54	110.	26.1	1639.8	*	4 APR 1500	88	9.	.1	1635.8
1 APR 2000	21	172.	62.5	1643.0	*	3 APR 0600	55	109.	25.9	1639.7	*	4 APR 1600	89	0.	.0	1635.5
1 APR 2100	22	166.	58.5	1642.6	*	3 APR 0700	56	109.	25.8	1639.7	*	4 APR 1700	90	0.	.0	1635.5
1 APR 2200	23	161.	55.0	1642.3	*	3 APR 0800	57	109.	25.7	1639.7	*	4 APR 1800	91	0.	.0	1635.5
1 APR 2300	24	156.	51.9	1642.0	*	3 APR 0900	58	108.	25.5	1639.7	*	4 APR 1900	92	0.	.0	1635.5
2 APR 0000	25	151.	49.1	1641.8	*	3 APR 1000	59	108.	25.4	1639.7	*	4 APR 2000	93	0.	.0	1635.5
2 APR 0100	26	147.	46.5	1641.6	*	3 APR 1100	60	108.	25.3	1639.7	*	4 APR 2100	94	0.	.0	1635.5
2 APR 0200	27	143.	44.1	1641.4	*	3 APR 1200	61	107.	25.1	1639.7	*	4 APR 2200	95	0.	.0	1635.5
2 APR 0300	28	140.	42.0	1641.2	*	3 APR 1300	62	107.	25.0	1639.7	*	4 APR 2300	96	0.	.0	1635.5
2 APR 0400	29	137.	40.0	1641.0	*	3 APR 1400	63	107.	24.9	1639.6	*	5 APR 0000	97	0.	.0	1635.5
2 APR 0500	30	134.	38.3	1640.8	*	3 APR 1500	64	106.	24.7	1639.6	*	5 APR 0100	98	0.	.0	1635.5
2 APR 0600	31	131.	36.8	1640.7	*	3 APR 1600	65	106.	24.6	1639.6	*	5 APR 0200	99	0.	.0	1635.5
2 APR 0700	32	129.	35.5	1640.6	*	3 APR 1700	66	106.	24.5	1639.6	*	5 APR 0300	100	0.	.0	1635.5
2 APR 0800	33	127.	34.4	1640.5	*	3 APR 1800	67	105.	24.4	1639.6	*					
2 APR 0900	34	125.	33.4	1640.4	*	3 APR 1900	68	105.	24.2	1639.6	*					

PEAK FLOW	TIME		MAXIMUM	AVERAGE FLOW	
(CFS)	(HR)		6-HR	24-HR	72-HR
185.	17.00		176.	147.	120.
		(CFS)			
		(INCHES)	.161	.534	1.312
		(AC-FT)	87.	291.	714.

PEAK STORAGE	TIME		MAXIMUM	AVERAGE STORAGE	
(AC-FT)	(HR)		6-HR	24-HR	72-HR
72.	17.00		65.	47.	32.

PEAK STAGE	TIME		MAXIMUM	AVERAGE STAGE	
(FEET)	(HR)		6-HR	24-HR	72-HR
1643.76	17.00		1643.21	1641.57	1640.29

CUMULATIVE AREA = 10.20 SQ MI

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day3.out

*
398 KK * LA *
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TRIBUTARY AREA FOR LASSELLE BASIN

402 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

400 BA SUBBASIN CHARACTERISTICS
TAREA .69 SUBBASIN AREA

PRECIPITATION DATA

401 PB STORM 1.52 BASIN TOTAL PRECIPITATION

403 PI INCREMENTAL PRECIPITATION PATTERN
.00 .00 .00 .01 .01 .01 .01 .01 .02 .02
.06 .05 .08 .20 .19 .18 .11 .00 .01 .00
.00 .00 .00 .00 .00 .00

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

408 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	.01	.00	.01	3.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.01	.00	.01	3.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	4.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	4.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	6.	*	3	APR	0800	57	.00	.00	.00	0.

						day3.out						
1 APR 0700	8	.01	.00	.01	7.	*	3 APR 0900	58	.00	.00	.00	0.
1 APR 0800	9	.02	.00	.02	8.	*	3 APR 1000	59	.00	.00	.00	0.
1 APR 0900	10	.02	.00	.02	11.	*	3 APR 1100	60	.00	.00	.00	0.
1 APR 1000	11	.04	.00	.04	17.	*	3 APR 1200	61	.00	.00	.00	0.
1 APR 1100	12	.09	.00	.09	41.	*	3 APR 1300	62	.00	.00	.00	0.
1 APR 1200	13	.08	.00	.08	37.	*	3 APR 1400	63	.00	.00	.00	0.
1 APR 1300	14	.12	.00	.12	51.	*	3 APR 1500	64	.00	.00	.00	0.
1 APR 1400	15	.31	.00	.31	133.	*	3 APR 1600	65	.00	.00	.00	0.
1 APR 1500	16	.30	.00	.30	132.	*	3 APR 1700	66	.00	.00	.00	0.
1 APR 1600	17	.28	.00	.28	123.	*	3 APR 1800	67	.00	.00	.00	0.
1 APR 1700	18	.17	.00	.17	76.	*	3 APR 1900	68	.00	.00	.00	0.
1 APR 1800	19	.01	.00	.01	6.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.01	.00	.01	4.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.01	.00	.01	3.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.01	.00	.01	3.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.01	.00	.01	3.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.01	.00	.01	3.	*	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 = 1.53, TOTAL LOSS = .00, TOTAL EXCESS = 1.53

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

+ 133. 14.00 89. 28. 9. day3.out 7.
 (INCHES) 1.205 1.524 1.526 1.526
 (AC-FT) 44. 56. 56. 56.
 CUMULATIVE AREA = .69 SQ MI

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 * *
 411 KK * LB *
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LASSELLE BASIN ROUTING

HYDROGRAPH ROUTING DATA

413 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					
414 SV	STORAGE	.0	.5	1.8	4.3	9.8	29.0	47.5
415 SE	ELEVATION	1734.00	1735.00	1736.00	1737.00	1739.00	1742.00	1745.00
416 SQ	DISCHARGE	0.	20.	40.	60.	75.	235.	800.
417 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.)

HYDROGRAPH AT STATION LB

day3.out

* 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	1.	.1	1734.1	*	2	APR	1200	37	0.	.0	1734.0	*	3	APR	2200	71	0.	.0	1734.0	*
1	APR	0300	4	3.	.1	1734.3	*	2	APR	1300	38	0.	.0	1734.0	*	3	APR	2300	72	0.	.0	1734.0	*
1	APR	0400	5	3.	.2	1734.3	*	2	APR	1400	39	0.	.0	1734.0	*	4	APR	0000	73	0.	.0	1734.0	*
1	APR	0500	6	4.	.2	1734.4	*	2	APR	1500	40	0.	.0	1734.0	*	4	APR	0100	74	0.	.0	1734.0	*
1	APR	0600	7	5.	.3	1734.5	*	2	APR	1600	41	0.	.0	1734.0	*	4	APR	0200	75	0.	.0	1734.0	*
1	APR	0700	8	6.	.3	1734.6	*	2	APR	1700	42	0.	.0	1734.0	*	4	APR	0300	76	0.	.0	1734.0	*
1	APR	0800	9	7.	.4	1734.7	*	2	APR	1800	43	0.	.0	1734.0	*	4	APR	0400	77	0.	.0	1734.0	*
1	APR	0900	10	9.	.5	1734.9	*	2	APR	1900	44	0.	.0	1734.0	*	4	APR	0500	78	0.	.0	1734.0	*
1	APR	1000	11	12.	.7	1735.2	*	2	APR	2000	45	0.	.0	1734.0	*	4	APR	0600	79	0.	.0	1734.0	*
1	APR	1100	12	20.	1.8	1736.0	*	2	APR	2100	46	0.	.0	1734.0	*	4	APR	0700	80	0.	.0	1734.0	*
1	APR	1200	13	24.	3.2	1736.6	*	2	APR	2200	47	0.	.0	1734.0	*	4	APR	0800	81	0.	.0	1734.0	*
1	APR	1300	14	28.	4.7	1737.1	*	2	APR	2300	48	0.	.0	1734.0	*	4	APR	0900	82	0.	.0	1734.0	*
1	APR	1400	15	39.	9.5	1738.9	*	3	APR	0000	49	0.	.0	1734.0	*	4	APR	1000	83	0.	.0	1734.0	*
1	APR	1500	16	44.	17.0	1740.1	*	3	APR	0100	50	0.	.0	1734.0	*	4	APR	1100	84	0.	.0	1734.0	*
1	APR	1600	17	47.	23.8	1741.2	*	3	APR	0200	51	0.	.0	1734.0	*	4	APR	1200	85	0.	.0	1734.0	*
1	APR	1700	18	49.	28.0	1741.8	*	3	APR	0300	52	0.	.0	1734.0	*	4	APR	1300	86	0.	.0	1734.0	*
1	APR	1800	19	49.	27.3	1741.7	*	3	APR	0400	53	0.	.0	1734.0	*	4	APR	1400	87	0.	.0	1734.0	*
1	APR	1900	20	47.	23.7	1741.2	*	3	APR	0500	54	0.	.0	1734.0	*	4	APR	1500	88	0.	.0	1734.0	*
1	APR	2000	21	45.	20.2	1740.6	*	3	APR	0600	55	0.	.0	1734.0	*	4	APR	1600	89	0.	.0	1734.0	*
1	APR	2100	22	44.	16.8	1740.1	*	3	APR	0700	56	0.	.0	1734.0	*	4	APR	1700	90	0.	.0	1734.0	*
1	APR	2200	23	42.	13.4	1739.6	*	3	APR	0800	57	0.	.0	1734.0	*	4	APR	1800	91	0.	.0	1734.0	*
1	APR	2300	24	40.	10.3	1739.1	*	3	APR	0900	58	0.	.0	1734.0	*	4	APR	1900	92	0.	.0	1734.0	*
2	APR	0000	25	34.	7.4	1738.1	*	3	APR	1000	59	0.	.0	1734.0	*	4	APR	2000	93	0.	.0	1734.0	*
2	APR	0100	26	28.	4.9	1737.2	*	3	APR	1100	60	0.	.0	1734.0	*	4	APR	2100	94	0.	.0	1734.0	*
2	APR	0200	27	23.	2.9	1736.4	*	3	APR	1200	61	0.	.0	1734.0	*	4	APR	2200	95	0.	.0	1734.0	*
2	APR	0300	28	16.	1.2	1735.6	*	3	APR	1300	62	0.	.0	1734.0	*	4	APR	2300	96	0.	.0	1734.0	*
2	APR	0400	29	6.	.3	1734.6	*	3	APR	1400	63	0.	.0	1734.0	*	5	APR	0000	97	0.	.0	1734.0	*
2	APR	0500	30	1.	.0	1734.1	*	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			
+ (CFS)		(HR)		6-HR	24-HR	72-HR	99.00-HR
+ 49.		17.00		47.	28.	9.	7.
		(INCHES)		.635	1.504	1.526	1.526
		(AC-FT)		23.	55.	56.	56.
PEAK STORAGE		TIME		MAXIMUM AVERAGE STORAGE			
+ (AC-FT)		(HR)		6-HR	24-HR	72-HR	99.00-HR

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day3.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	1.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.01	.00	.01	13.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.01	.00	.01	19.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	26.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	30.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	35.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	39.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.02	.00	.02	49.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.03	.00	.03	65.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.07	.00	.07	153.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.15	.00	.15	335.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.13	.00	.13	360.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.17	.00	.17	434.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.36	.00	.36	832.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.35	.00	.35	947.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.33	.00	.33	930.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.21	.00	.21	681.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	224.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	76.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.01	.00	.01	32.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.01	.00	.01	22.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.01	.00	.01	15.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	12.	*	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	10.	*	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	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.

							day3.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 = 1.92, TOTAL LOSS = .00, TOTAL EXCESS = 1.92

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW 24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	947.	15.00	686.	223.	74.	54.
		(INCHES)	1.473	1.914	1.917	1.917
		(AC-FT)	340.	442.	443.	443.
CUMULATIVE AREA =			4.33 SQ MI			

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*
431 KK * NB *
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NASON BASIN ROUTING

HYDROGRAPH ROUTING DATA

433 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								
434 SV	STORAGE	.0	5.1	21.8	47.6	357.0					
435 SE	ELEVATION	58.00	60.00	62.00	64.00	84.00					
436 SQ	DISCHARGE	0.	8.	30.	65.	113.	173.	239.	270.	296.	321.
		342.	363.	383.	419.	453.	484.	513.	541.	568.	593.
438 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

day3.out

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	2.	.7	58.3	*	3	APR	2000	69	0.	.0	58.0
1	APR	0100	2	0.	.0	58.0	*	2	APR	1100	36	2.	.5	58.2	*	3	APR	2100	70	0.	.0	58.0
1	APR	0200	3	2.	.5	58.2	*	2	APR	1200	37	1.	.3	58.1	*	3	APR	2200	71	0.	.0	58.0
1	APR	0300	4	6.	1.5	58.6	*	2	APR	1300	38	1.	.3	58.1	*	3	APR	2300	72	0.	.0	58.0
1	APR	0400	5	13.	2.6	59.0	*	2	APR	1400	39	1.	.2	58.1	*	4	APR	0000	73	0.	.0	58.0
1	APR	0500	6	22.	3.5	59.4	*	2	APR	1500	40	1.	.1	58.1	*	4	APR	0100	74	0.	.0	58.0
1	APR	0600	7	28.	4.1	59.6	*	2	APR	1600	41	0.	.1	58.0	*	4	APR	0200	75	0.	.0	58.0
1	APR	0700	8	35.	4.6	59.8	*	2	APR	1700	42	0.	.1	58.0	*	4	APR	0300	76	0.	.0	58.0
1	APR	0800	9	42.	5.1	60.0	*	2	APR	1800	43	0.	.1	58.0	*	4	APR	0400	77	0.	.0	58.0
1	APR	0900	10	47.	6.2	60.1	*	2	APR	1900	44	0.	.0	58.0	*	4	APR	0500	78	0.	.0	58.0
1	APR	1000	11	67.	10.5	60.6	*	2	APR	2000	45	0.	.0	58.0	*	4	APR	0600	79	0.	.0	58.0
1	APR	1100	12	139.	22.1	62.0	*	2	APR	2100	46	0.	.0	58.0	*	4	APR	0700	80	0.	.0	58.0
1	APR	1200	13	201.	36.8	63.2	*	2	APR	2200	47	0.	.0	58.0	*	4	APR	0800	81	0.	.0	58.0
1	APR	1300	14	248.	51.0	64.2	*	2	APR	2300	48	0.	.0	58.0	*	4	APR	0900	82	0.	.0	58.0
1	APR	1400	15	300.	80.7	66.1	*	3	APR	0000	49	0.	.0	58.0	*	4	APR	1000	83	0.	.0	58.0
1	APR	1500	16	365.	126.8	69.1	*	3	APR	0100	50	0.	.0	58.0	*	4	APR	1100	84	0.	.0	58.0
1	APR	1600	17	420.	171.9	72.0	*	3	APR	0200	51	0.	.0	58.0	*	4	APR	1200	85	0.	.0	58.0
1	APR	1700	18	453.	202.4	74.0	*	3	APR	0300	52	0.	.0	58.0	*	4	APR	1300	86	0.	.0	58.0
1	APR	1800	19	453.	202.3	74.0	*	3	APR	0400	53	0.	.0	58.0	*	4	APR	1400	87	0.	.0	58.0
1	APR	1900	20	427.	178.4	72.5	*	3	APR	0500	54	0.	.0	58.0	*	4	APR	1500	88	0.	.0	58.0
1	APR	2000	21	393.	149.0	70.6	*	3	APR	0600	55	0.	.0	58.0	*	4	APR	1600	89	0.	.0	58.0
1	APR	2100	22	357.	120.3	68.7	*	3	APR	0700	56	0.	.0	58.0	*	4	APR	1700	90	0.	.0	58.0
1	APR	2200	23	320.	93.8	67.0	*	3	APR	0800	57	0.	.0	58.0	*	4	APR	1800	91	0.	.0	58.0
1	APR	2300	24	282.	70.0	65.5	*	3	APR	0900	58	0.	.0	58.0	*	4	APR	1900	92	0.	.0	58.0
2	APR	0000	25	245.	49.2	64.1	*	3	APR	1000	59	0.	.0	58.0	*	4	APR	2000	93	0.	.0	58.0
2	APR	0100	26	184.	32.4	62.8	*	3	APR	1100	60	0.	.0	58.0	*	4	APR	2100	94	0.	.0	58.0
2	APR	0200	27	125.	20.1	61.8	*	3	APR	1200	61	0.	.0	58.0	*	4	APR	2200	95	0.	.0	58.0
2	APR	0300	28	76.	12.0	60.8	*	3	APR	1300	62	0.	.0	58.0	*	4	APR	2300	96	0.	.0	58.0

2 APR 0400	29	50.	6.8	60.2	*	3 APR 1400	63	0.	.0	58.0	*	5 APR 0000	97	0.	.0	58.0
2 APR 0500	30	24.	3.8	59.5	*	3 APR 1500	64	0.	.0	58.0	*	5 APR 0100	98	0.	.0	58.0
2 APR 0600	31	10.	2.3	58.9	*	3 APR 1600	65	0.	.0	58.0	*	5 APR 0200	99	0.	.0	58.0
2 APR 0700	32	6.	1.6	58.6	*	3 APR 1700	66	0.	.0	58.0	*	5 APR 0300	100	0.	.0	58.0
2 APR 0800	33	5.	1.2	58.5	*	3 APR 1800	67	0.	.0	58.0	*					
2 APR 0900	34	3.	.9	58.3	*	3 APR 1900	68	0.	.0	58.0	*					

day3.out

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	453.	17.00	418.	220.	74.	54.
		(INCHES)	.897	1.889	1.917	1.917
		(AC-FT)	207.	436.	443.	443.

PEAK STORAGE	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(AC-FT)	(HR)				
	202.	17.00	171.	69.	23.	17.

PEAK STAGE	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(FEET)	(HR)				
	74.00	17.00	71.99	64.93	60.40	59.75

CUMULATIVE AREA = 4.33 SQ MI

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440 KK

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* SA *

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AREA TRIBUTARY TO SINCLAIR BASIN

444 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

day3.out

442 BA SUBBASIN CHARACTERISTICS
TAREA 4.34 SUBBASIN AREA

PRECIPITATION DATA

443 PB STORM 1.75 BASIN TOTAL PRECIPITATION

445 PI INCREMENTAL PRECIPITATION PATTERN

.00	.00	.00	.01	.01	.01	.01	.01	.01	.03
.07	.06	.08	.19	.19	.18	.11	.00	.01	.00
.00	.00	.00	.00	.00	.00				

450 LU UNIFORM LOSS RATE

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

450 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	1.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.01	.00	.01	12.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.01	.00	.01	18.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	24.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	29.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	36.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.02	.00	.02	43.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.02	.00	.02	52.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.02	.00	.02	64.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.05	.00	.05	121.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.12	.00	.12	282.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.11	.00	.11	300.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.15	.00	.15	377.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.34	.00	.34	783.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.33	.00	.33	892.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.31	.00	.31	871.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.19	.00	.19	629.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	198.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	70.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.01	.00	.01	30.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.01	.00	.01	20.	*	3	APR	2300	72	.00	.00	.00	0.

							day3.out									
1	APR	2200	23	.00	.00	.00	14.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	11.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	10.	*	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	3.	*	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 = 1.75, TOTAL LOSS = .00, TOTAL EXCESS = 1.75

PEAK FLOW		TIME	MAXIMUM AVERAGE FLOW			
+	(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
+	892.	15.00	(CFS)			
			634.	204.	68.	49.
		(INCHES)	1.357	1.746	1.749	1.749
		(AC-FT)	314.	404.	405.	405.

CUMULATIVE AREA = 4.34 SQ MI

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455 KK CP1

day3.out

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COMBINE ALL SUNNY/MOR BASIN OUTFLOWS

457 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	368.	*	3	APR	0200	51	111.	*	4	APR	0300	76	101.
1	APR	0100	2	4.	*	2	APR	0200	27	294.	*	3	APR	0300	52	111.	*	4	APR	0400	77	100.
1	APR	0200	3	30.	*	2	APR	0300	28	233.	*	3	APR	0400	53	110.	*	4	APR	0500	78	99.
1	APR	0300	4	43.	*	2	APR	0400	29	193.	*	3	APR	0500	54	110.	*	4	APR	0600	79	99.
1	APR	0400	5	63.	*	2	APR	0500	30	159.	*	3	APR	0600	55	109.	*	4	APR	0700	80	98.
1	APR	0500	6	86.	*	2	APR	0600	31	142.	*	3	APR	0700	56	109.	*	4	APR	0800	81	96.
1	APR	0600	7	110.	*	2	APR	0700	32	135.	*	3	APR	0800	57	109.	*	4	APR	0900	82	94.
1	APR	0700	8	136.	*	2	APR	0800	33	131.	*	3	APR	0900	58	108.	*	4	APR	1000	83	85.
1	APR	0800	9	162.	*	2	APR	0900	34	128.	*	3	APR	1000	59	108.	*	4	APR	1100	84	67.
1	APR	0900	10	189.	*	2	APR	1000	35	126.	*	3	APR	1100	60	108.	*	4	APR	1200	85	49.
1	APR	1000	11	278.	*	2	APR	1100	36	124.	*	3	APR	1200	61	107.	*	4	APR	1300	86	31.
1	APR	1100	12	531.	*	2	APR	1200	37	122.	*	3	APR	1300	62	107.	*	4	APR	1400	87	20.
1	APR	1200	13	629.	*	2	APR	1300	38	121.	*	3	APR	1400	63	107.	*	4	APR	1500	88	9.
1	APR	1300	14	769.	*	2	APR	1400	39	120.	*	3	APR	1500	64	106.	*	4	APR	1600	89	0.
1	APR	1400	15	1256.	*	2	APR	1500	40	118.	*	3	APR	1600	65	106.	*	4	APR	1700	90	0.
1	APR	1500	16	1458.	*	2	APR	1600	41	118.	*	3	APR	1700	66	106.	*	4	APR	1800	91	0.
1	APR	1600	17	1513.	*	2	APR	1700	42	116.	*	3	APR	1800	67	105.	*	4	APR	1900	92	0.
1	APR	1700	18	1317.	*	2	APR	1800	43	115.	*	3	APR	1900	68	105.	*	4	APR	2000	93	0.
1	APR	1800	19	885.	*	2	APR	1900	44	115.	*	3	APR	2000	69	104.	*	4	APR	2100	94	0.
1	APR	1900	20	722.	*	2	APR	2000	45	114.	*	3	APR	2100	70	104.	*	4	APR	2200	95	0.
1	APR	2000	21	640.	*	2	APR	2100	46	113.	*	3	APR	2200	71	104.	*	4	APR	2300	96	0.
1	APR	2100	22	586.	*	2	APR	2200	47	113.	*	3	APR	2300	72	103.	*	5	APR	0000	97	0.
1	APR	2200	23	537.	*	2	APR	2300	48	112.	*	4	APR	0000	73	103.	*	5	APR	0100	98	0.
1	APR	2300	24	489.	*	3	APR	0000	49	112.	*	4	APR	0100	74	102.	*	5	APR	0200	99	0.
2	APR	0000	25	440.	*	3	APR	0100	50	111.	*	4	APR	0200	75	101.	*	5	APR	0300	100	0.

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW		
(CFS)	(HR)		6-HR	24-HR	72-HR
1513.	16.00	(CFS)	1196.	580.	267.
		(INCHES)	.568	1.103	1.526

99.00-HR
203.
1.595

day3.out

day3.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	7.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.01	.00	.01	80.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.01	.00	.01	167.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	235.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	306.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	386.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	474.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.02	.00	.02	574.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.02	.00	.02	703.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.05	.00	.05	1112.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.11	.00	.11	2378.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.10	.00	.10	3273.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.13	.00	.13	3917.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.31	.00	.31	6991.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.30	.00	.30	9791.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.28	.00	.28	10411.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.17	.00	.17	9143.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	5530.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	2773.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	1829.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	1282.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	915.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	666.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	475.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	323.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	188.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	73.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	27.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	17.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	11.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	7.	*	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	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.	*	day3.out	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 = 1.58, TOTAL LOSS = .00, TOTAL EXCESS = 1.58

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW 24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	10411.	16.00	7535.	2658.	890.	647.
		(INCHES)	1.114	1.572	1.579	1.579
		(AC-FT)	3736.	5272.	5295.	5295.

CUMULATIVE AREA = 62.87 SQ MI

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*
472 KK * SEATA *
*

AREA TRIBUTARY TO SEATON BASIN

476 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

474 BA SUBBASIN CHARACTERISTICS
 TAREA 3.01 SUBBASIN AREA

PRECIPITATION DATA

475 PB STORM 1.76 BASIN TOTAL PRECIPITATION

477 PI INCREMENTAL PRECIPITATION PATTERN

.00	.00	.00	.01	.01	.01	.01	.01	.01	.03
.08	.07	.09	.19	.18	.17	.11	.00	.00	.00
.00	.00	.00	.00	.00	.00				

day3.out

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

482 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	1.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.01	.00	.01	9.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.01	.00	.01	12.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	17.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	20.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	23.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	25.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.02	.00	.02	33.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.02	.00	.02	43.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.06	.00	.06	97.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.13	.00	.13	219.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.12	.00	.12	229.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.15	.00	.15	279.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.34	.00	.34	555.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.33	.00	.33	616.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.30	.00	.30	595.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.19	.00	.19	425.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	120.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	39.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.01	.00	.01	18.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.01	.00	.01	12.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	10.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	8.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	7.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	6.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	2.	*	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.

							day3.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 = 1.76, TOTAL LOSS = .00, TOTAL EXCESS = 1.76

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	72-HR	99.00-HR
(CFS)	(HR)	(CFS)		24-HR		
+	616.	15.00	441.	142.	48.	35.
		(INCHES)	1.361	1.758	1.761	1.761
		(AC-FT)	219.	282.	283.	283.

CUMULATIVE AREA = 3.01 SQ MI

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

489 HC HYDROGRAPH COMBINATION
 ICOMP 3 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION CP4

day3.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	697.	*	3	APR	0200	51	111.	*	4	APR	0300	76	101.
1	APR	0100	2	12.	*	2	APR	0200	27	483.	*	3	APR	0300	52	111.	*	4	APR	0400	77	100.
1	APR	0200	3	118.	*	2	APR	0300	28	305.	*	3	APR	0400	53	110.	*	4	APR	0500	78	99.
1	APR	0300	4	223.	*	2	APR	0400	29	220.	*	3	APR	0500	54	110.	*	4	APR	0600	79	99.
1	APR	0400	5	315.	*	2	APR	0500	30	176.	*	3	APR	0600	55	109.	*	4	APR	0700	80	98.
1	APR	0500	6	411.	*	2	APR	0600	31	153.	*	3	APR	0700	56	109.	*	4	APR	0800	81	96.
1	APR	0600	7	519.	*	2	APR	0700	32	142.	*	3	APR	0800	57	109.	*	4	APR	0900	82	94.
1	APR	0700	8	635.	*	2	APR	0800	33	136.	*	3	APR	0900	58	108.	*	4	APR	1000	83	85.
1	APR	0800	9	769.	*	2	APR	0900	34	131.	*	3	APR	1000	59	108.	*	4	APR	1100	84	67.
1	APR	0900	10	936.	*	2	APR	1000	35	127.	*	3	APR	1100	60	108.	*	4	APR	1200	85	49.
1	APR	1000	11	1487.	*	2	APR	1100	36	124.	*	3	APR	1200	61	107.	*	4	APR	1300	86	31.
1	APR	1100	12	3128.	*	2	APR	1200	37	122.	*	3	APR	1300	62	107.	*	4	APR	1400	87	20.
1	APR	1200	13	4132.	*	2	APR	1300	38	121.	*	3	APR	1400	63	107.	*	4	APR	1500	88	9.
1	APR	1300	14	4965.	*	2	APR	1400	39	120.	*	3	APR	1500	64	106.	*	4	APR	1600	89	0.
1	APR	1400	15	8802.	*	2	APR	1500	40	118.	*	3	APR	1600	65	106.	*	4	APR	1700	90	0.
1	APR	1500	16	11865.	*	2	APR	1600	41	118.	*	3	APR	1700	66	106.	*	4	APR	1800	91	0.
1	APR	1600	17	12519.	*	2	APR	1700	42	116.	*	3	APR	1800	67	105.	*	4	APR	1900	92	0.
1	APR	1700	18	10885.	*	2	APR	1800	43	115.	*	3	APR	1900	68	105.	*	4	APR	2000	93	0.
1	APR	1800	19	6535.	*	2	APR	1900	44	115.	*	3	APR	2000	69	104.	*	4	APR	2100	94	0.
1	APR	1900	20	3534.	*	2	APR	2000	45	114.	*	3	APR	2100	70	104.	*	4	APR	2200	95	0.
1	APR	2000	21	2487.	*	2	APR	2100	46	113.	*	3	APR	2200	71	104.	*	4	APR	2300	96	0.
1	APR	2100	22	1880.	*	2	APR	2200	47	113.	*	3	APR	2300	72	103.	*	5	APR	0000	97	0.
1	APR	2200	23	1461.	*	2	APR	2300	48	112.	*	4	APR	0000	73	103.	*	5	APR	0100	98	0.
1	APR	2300	24	1163.	*	3	APR	0000	49	112.	*	4	APR	0100	74	102.	*	5	APR	0200	99	0.
2	APR	0000	25	922.	*	3	APR	0100	50	111.	*	4	APR	0200	75	101.	*	5	APR	0300	100	0.
					*						*						*					

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW				
+	(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
+	12519.	16.00	9143.	3366.	1202.	885.
		(INCHES)	.995	1.465	1.570	1.589
		(AC-FT)	4534.	6677.	7154.	7242.
CUMULATIVE AREA =			85.44 SQ MI			

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day3.out

490 KK * COMB *
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COMBINED PERRIS VALLEY WITH THE PREVIOUS HYDROGRAPHS

492 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	6369.	*	3	APR	0200	51	8483.	*	4	APR	0300	76	3588.
1	APR	0100	2	20.	*	2	APR	0200	27	12374.	*	3	APR	0300	52	8154.	*	4	APR	0400	77	3477.
1	APR	0200	3	157.	*	2	APR	0300	28	18922.	*	3	APR	0400	53	8023.	*	4	APR	0500	78	3362.
1	APR	0300	4	293.	*	2	APR	0400	29	22010.	*	3	APR	0500	54	7889.	*	4	APR	0600	79	3246.
1	APR	0400	5	399.	*	2	APR	0500	30	23962.	*	3	APR	0600	55	7718.	*	4	APR	0700	80	3128.
1	APR	0500	6	519.	*	2	APR	0600	31	25157.	*	3	APR	0700	56	7514.	*	4	APR	0800	81	3009.
1	APR	0600	7	666.	*	2	APR	0700	32	25681.	*	3	APR	0800	57	7283.	*	4	APR	0900	82	2886.
1	APR	0700	8	822.	*	2	APR	0800	33	25674.	*	3	APR	0900	58	7031.	*	4	APR	1000	83	2750.
1	APR	0800	9	1002.	*	2	APR	0900	34	25280.	*	3	APR	1000	59	6765.	*	4	APR	1100	84	2602.
1	APR	0900	10	1234.	*	2	APR	1000	35	24619.	*	3	APR	1100	60	6493.	*	4	APR	1200	85	2452.
1	APR	1000	11	1965.	*	2	APR	1100	36	23780.	*	3	APR	1200	61	6216.	*	4	APR	1300	86	2305.
1	APR	1100	12	4001.	*	2	APR	1200	37	22825.	*	3	APR	1300	62	5958.	*	4	APR	1400	87	2168.
1	APR	1200	13	5415.	*	2	APR	1300	38	21774.	*	3	APR	1400	63	5712.	*	4	APR	1500	88	2037.
1	APR	1300	14	6651.	*	2	APR	1400	39	20661.	*	3	APR	1500	64	5468.	*	4	APR	1600	89	1852.
1	APR	1400	15	11658.	*	2	APR	1500	40	19437.	*	3	APR	1600	65	5228.	*	4	APR	1700	90	1681.
1	APR	1500	16	15859.	*	2	APR	1600	41	18195.	*	3	APR	1700	66	4998.	*	4	APR	1800	91	1535.
1	APR	1600	17	16745.	*	2	APR	1700	42	17057.	*	3	APR	1800	67	4786.	*	4	APR	1900	92	1411.
1	APR	1700	18	14717.	*	2	APR	1800	43	15919.	*	3	APR	1900	68	4592.	*	4	APR	2000	93	1306.
1	APR	1800	19	9187.	*	2	APR	1900	44	14624.	*	3	APR	2000	69	4413.	*	4	APR	2100	94	1217.
1	APR	1900	20	5291.	*	2	APR	2000	45	13139.	*	3	APR	2100	70	4245.	*	4	APR	2200	95	1139.
1	APR	2000	21	3960.	*	2	APR	2100	46	12036.	*	3	APR	2200	71	4093.	*	4	APR	2300	96	1072.
1	APR	2100	22	3327.	*	2	APR	2200	47	11127.	*	3	APR	2300	72	4000.	*	5	APR	0000	97	1013.
1	APR	2200	23	3046.	*	2	APR	2300	48	10329.	*	4	APR	0000	73	3902.	*	5	APR	0100	98	970.
1	APR	2300	24	3323.	*	3	APR	0000	49	9607.	*	4	APR	0100	74	3801.	*	5	APR	0200	99	933.
2	APR	0000	25	4227.	*	3	APR	0100	50	8970.	*	4	APR	0200	75	3696.	*	5	APR	0300	100	898.

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	99.00-HR		
+	(CFS)	(HR)		24-HR	72-HR		
+	25681.	31.00	(CFS)	25047.	18411.	10117.	7698.

day3.out
 (INCHES) .423 1.245 2.053 2.147
 (AC-FT) 12420. 36517. 60202. 62980.

CUMULATIVE AREA = 549.92 SQ MI

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 493 KK * 15B * ROMOLAND SUB-AREA (B-SYSTEM)
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 COMBINE DRAINAGE AREA FOR LINE B AT THE UPSTREAM OF I-215
 PER CDJ. HYDROLOGY INFO. WERE TAKEN FROM MDP BACKUPS
 UHG 30%Foothill

499 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

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

PRECIPITATION DATA

498 PB STORM 1.90 BASIN TOTAL PRECIPITATION

500 PI INCREMENTAL PRECIPITATION PATTERN
 .00 .00 .00 .00 .01 .01 .01 .01 .01 .04
 .08 .07 .09 .20 .18 .17 .09 .00 .00 .00
 .00 .00 .00 .00 .00 .00

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

510 UI INPUT UNITGRAPH, 5 ORDINATES, VOLUME = 1.00
 1981.0 593.0 134.0 29.0 18.0

day3.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	4.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.01	.00	.01	16.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.01	.00	.01	20.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	20.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	28.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.02	.00	.02	38.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.02	.00	.02	41.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.02	.00	.02	53.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.02	.00	.02	64.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.07	.00	.07	164.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.14	.00	.14	332.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.14	.00	.14	365.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.17	.00	.17	446.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.38	.00	.38	870.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.34	.00	.34	921.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.32	.00	.32	893.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.18	.00	.18	597.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	178.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	58.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.01	.00	.01	31.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.01	.00	.01	24.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.01	.00	.01	21.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.01	.00	.01	21.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.01	.00	.01	21.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.01	.00	.01	17.	*	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	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.

							day3.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 = 1.90, TOTAL LOSS = .00, TOTAL EXCESS = 1.90

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	921.	15.00	666.	218.	73.	53.
		(INCHES)	1.451	1.898	1.904	1.904
		(AC-FT)	330.	432.	434.	434.
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	5.	*	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	5.	*	2	APR	0300	28	0.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.	*
1	APR	0300	4	6.	*	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	11.	*	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	16.	*	2	APR	0900	34	0.	*	3	APR	1000	59	0.	*	4	APR	1100	84	0.	*
1	APR	0900	10	19.	*	2	APR	1000	35	0.	*	3	APR	1100	60	0.	*	4	APR	1200	85	0.	*
1	APR	1000	11	49.	*	2	APR	1100	36	0.	*	3	APR	1200	61	0.	*	4	APR	1300	86	0.	*
1	APR	1100	12	99.	*	2	APR	1200	37	0.	*	3	APR	1300	62	0.	*	4	APR	1400	87	0.	*
1	APR	1200	13	109.	*	2	APR	1300	38	0.	*	3	APR	1400	63	0.	*	4	APR	1500	88	0.	*
1	APR	1300	14	134.	*	2	APR	1400	39	0.	*	3	APR	1500	64	0.	*	4	APR	1600	89	0.	*
1	APR	1400	15	261.	*	2	APR	1500	40	0.	*	3	APR	1600	65	0.	*	4	APR	1700	90	0.	*
1	APR	1500	16	276.	*	2	APR	1600	41	0.	*	3	APR	1700	66	0.	*	4	APR	1800	91	0.	*
1	APR	1600	17	268.	*	2	APR	1700	42	0.	*	3	APR	1800	67	0.	*	4	APR	1900	92	0.	*
1	APR	1700	18	179.	*	2	APR	1800	43	0.	*	3	APR	1900	68	0.	*	4	APR	2000	93	0.	*
1	APR	1800	19	54.	*	2	APR	1900	44	0.	*	3	APR	2000	69	0.	*	4	APR	2100	94	0.	*
1	APR	1900	20	17.	*	2	APR	2000	45	0.	*	3	APR	2100	70	0.	*	4	APR	2200	95	0.	*

day3.out

1 APR 2000	21	9.	*	2 APR 2100	46	0.	*	3 APR 2200	71	0.	*	4 APR 2300	96	0.
1 APR 2100	22	7.	*	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	6.	*	3 APR 0000	49	0.	*	4 APR 0100	74	0.	*	5 APR 0200	99	0.
2 APR 0000	25	6.	*	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
+	276.	15.00	200.	65.	22.	16.
		(CFS)				
		(INCHES)	.435	.569	.571	.571
		(AC-FT)	99.	130.	130.	130.
CUMULATIVE AREA =			4.27 SQ MI			

*** **

513 KK * 15B1 * ROMOLAND SUB-AREA (B-SYSTEM)

UHG 70% VALLEY

517 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

515 BA SUBBASIN CHARACTERISTICS

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

PRECIPITATION DATA

516 PB STORM 1.90 BASIN TOTAL PRECIPITATION

518 PI INCREMENTAL PRECIPITATION PATTERN

.00	.00	.00	.00	.01	.01	.01	.01	.01	.04
.08	.07	.09	.20	.18	.17	.09	.00	.00	.00
.00	.00	.00	.00	.00	.00				

day3.out

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

528 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	4.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.01	.00	.01	15.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.01	.00	.01	19.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	20.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	28.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.02	.00	.02	37.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.02	.00	.02	40.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.02	.00	.02	52.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.02	.00	.02	62.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.07	.00	.07	159.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.14	.00	.14	318.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.14	.00	.14	349.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.17	.00	.17	435.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.38	.00	.38	847.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.34	.00	.34	886.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.32	.00	.32	877.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.18	.00	.18	605.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	213.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	102.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.01	.00	.01	55.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.01	.00	.01	33.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.01	.00	.01	23.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.01	.00	.01	21.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.01	.00	.01	21.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.01	.00	.01	17.	*	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	2.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	1.	*	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.

							day3.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 = 1.90, TOTAL LOSS = .00, TOTAL EXCESS = 1.90

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
(CFS)	(HR)	(CFS)				
+ 886.	15.00		655.	218.	73.	53.
		(INCHES)	1.426	1.897	1.903	1.903
		(AC-FT)	325.	432.	433.	433.
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	12.	*	3	APR	0200	51	0.	*	4	APR	0300	76	0.	*
1	APR	0100	2	3.	*	2	APR	0200	27	4.	*	3	APR	0300	52	0.	*	4	APR	0400	77	0.	*
1	APR	0200	3	11.	*	2	APR	0300	28	2.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.	*
1	APR	0300	4	13.	*	2	APR	0400	29	1.	*	3	APR	0500	54	0.	*	4	APR	0600	79	0.	*
1	APR	0400	5	14.	*	2	APR	0500	30	0.	*	3	APR	0600	55	0.	*	4	APR	0700	80	0.	*
1	APR	0500	6	19.	*	2	APR	0600	31	0.	*	3	APR	0700	56	0.	*	4	APR	0800	81	0.	*
1	APR	0600	7	26.	*	2	APR	0700	32	0.	*	3	APR	0800	57	0.	*	4	APR	0900	82	0.	*
1	APR	0700	8	28.	*	2	APR	0800	33	0.	*	3	APR	0900	58	0.	*	4	APR	1000	83	0.	*
1	APR	0800	9	36.	*	2	APR	0900	34	0.	*	3	APR	1000	59	0.	*	4	APR	1100	84	0.	*

day3.out														
1 APR 0900	10	43.	*	2 APR 1000	35	0.	*	3 APR 1100	60	0.	*	4 APR 1200	85	0.
1 APR 1000	11	111.	*	2 APR 1100	36	0.	*	3 APR 1200	61	0.	*	4 APR 1300	86	0.
1 APR 1100	12	223.	*	2 APR 1200	37	0.	*	3 APR 1300	62	0.	*	4 APR 1400	87	0.
1 APR 1200	13	244.	*	2 APR 1300	38	0.	*	3 APR 1400	63	0.	*	4 APR 1500	88	0.
1 APR 1300	14	304.	*	2 APR 1400	39	0.	*	3 APR 1500	64	0.	*	4 APR 1600	89	0.
1 APR 1400	15	593.	*	2 APR 1500	40	0.	*	3 APR 1600	65	0.	*	4 APR 1700	90	0.
1 APR 1500	16	620.	*	2 APR 1600	41	0.	*	3 APR 1700	66	0.	*	4 APR 1800	91	0.
1 APR 1600	17	614.	*	2 APR 1700	42	0.	*	3 APR 1800	67	0.	*	4 APR 1900	92	0.
1 APR 1700	18	423.	*	2 APR 1800	43	0.	*	3 APR 1900	68	0.	*	4 APR 2000	93	0.
1 APR 1800	19	149.	*	2 APR 1900	44	0.	*	3 APR 2000	69	0.	*	4 APR 2100	94	0.
1 APR 1900	20	71.	*	2 APR 2000	45	0.	*	3 APR 2100	70	0.	*	4 APR 2200	95	0.
1 APR 2000	21	38.	*	2 APR 2100	46	0.	*	3 APR 2200	71	0.	*	4 APR 2300	96	0.
1 APR 2100	22	23.	*	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	15.	*	3 APR 0000	49	0.	*	4 APR 0100	74	0.	*	5 APR 0200	99	0.
2 APR 0000	25	15.	*	3 APR 0100	50	0.	*	4 APR 0200	75	0.	*	5 APR 0300	100	0.

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW 24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
+	620.	15.00				
		(CFS)	458.	152.	51.	37.
		(INCHES)	.998	1.328	1.332	1.332
		(AC-FT)	227.	302.	303.	303.
CUMULATIVE AREA =			4.27 SQ MI			

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531 KK * 15B7 * TOTAL ROMOLAND SUB-AREA COMBINED AT THE U/S OF I-215 FWY PER CDJ

532 HC HYDROGRAPH COMBINATION

 ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION 15B7

SUM OF 2 HYDROGRAPHS

day3.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	17.	*	3	APR	0200	51	0.	*	4	APR	0300	76	0.	*
1	APR	0100	2	4.	*	2	APR	0200	27	5.	*	3	APR	0300	52	0.	*	4	APR	0400	77	0.	*
1	APR	0200	3	16.	*	2	APR	0300	28	2.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.	*
1	APR	0300	4	19.	*	2	APR	0400	29	1.	*	3	APR	0500	54	0.	*	4	APR	0600	79	0.	*
1	APR	0400	5	20.	*	2	APR	0500	30	0.	*	3	APR	0600	55	0.	*	4	APR	0700	80	0.	*
1	APR	0500	6	28.	*	2	APR	0600	31	0.	*	3	APR	0700	56	0.	*	4	APR	0800	81	0.	*
1	APR	0600	7	37.	*	2	APR	0700	32	0.	*	3	APR	0800	57	0.	*	4	APR	0900	82	0.	*
1	APR	0700	8	40.	*	2	APR	0800	33	0.	*	3	APR	0900	58	0.	*	4	APR	1000	83	0.	*
1	APR	0800	9	52.	*	2	APR	0900	34	0.	*	3	APR	1000	59	0.	*	4	APR	1100	84	0.	*
1	APR	0900	10	63.	*	2	APR	1000	35	0.	*	3	APR	1100	60	0.	*	4	APR	1200	85	0.	*
1	APR	1000	11	160.	*	2	APR	1100	36	0.	*	3	APR	1200	61	0.	*	4	APR	1300	86	0.	*
1	APR	1100	12	322.	*	2	APR	1200	37	0.	*	3	APR	1300	62	0.	*	4	APR	1400	87	0.	*
1	APR	1200	13	353.	*	2	APR	1300	38	0.	*	3	APR	1400	63	0.	*	4	APR	1500	88	0.	*
1	APR	1300	14	438.	*	2	APR	1400	39	0.	*	3	APR	1500	64	0.	*	4	APR	1600	89	0.	*
1	APR	1400	15	854.	*	2	APR	1500	40	0.	*	3	APR	1600	65	0.	*	4	APR	1700	90	0.	*
1	APR	1500	16	896.	*	2	APR	1600	41	0.	*	3	APR	1700	66	0.	*	4	APR	1800	91	0.	*
1	APR	1600	17	882.	*	2	APR	1700	42	0.	*	3	APR	1800	67	0.	*	4	APR	1900	92	0.	*
1	APR	1700	18	602.	*	2	APR	1800	43	0.	*	3	APR	1900	68	0.	*	4	APR	2000	93	0.	*
1	APR	1800	19	203.	*	2	APR	1900	44	0.	*	3	APR	2000	69	0.	*	4	APR	2100	94	0.	*
1	APR	1900	20	89.	*	2	APR	2000	45	0.	*	3	APR	2100	70	0.	*	4	APR	2200	95	0.	*
1	APR	2000	21	48.	*	2	APR	2100	46	0.	*	3	APR	2200	71	0.	*	4	APR	2300	96	0.	*
1	APR	2100	22	30.	*	2	APR	2200	47	0.	*	3	APR	2300	72	0.	*	5	APR	0000	97	0.	*
1	APR	2200	23	23.	*	2	APR	2300	48	0.	*	4	APR	0000	73	0.	*	5	APR	0100	98	0.	*
1	APR	2300	24	21.	*	3	APR	0000	49	0.	*	4	APR	0100	74	0.	*	5	APR	0200	99	0.	*
2	APR	0000	25	21.	*	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)				
+	896.	15.00	(CFS)			
			658.	218.	73.	53.
		(INCHES)	.717	.948	.952	.952
		(AC-FT)	326.	432.	433.	433.

CUMULATIVE AREA = 8.54 SQ MI

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533 KK H US@215

day3.out

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

536 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	6386.	*	3	APR	0200	51	8483.	*	4	APR	0300	76	3588.
1	APR	0100	2	24.	*	2	APR	0200	27	12379.	*	3	APR	0300	52	8154.	*	4	APR	0400	77	3477.
1	APR	0200	3	173.	*	2	APR	0300	28	18924.	*	3	APR	0400	53	8023.	*	4	APR	0500	78	3362.
1	APR	0300	4	312.	*	2	APR	0400	29	22010.	*	3	APR	0500	54	7889.	*	4	APR	0600	79	3246.
1	APR	0400	5	419.	*	2	APR	0500	30	23962.	*	3	APR	0600	55	7718.	*	4	APR	0700	80	3128.
1	APR	0500	6	547.	*	2	APR	0600	31	25157.	*	3	APR	0700	56	7514.	*	4	APR	0800	81	3009.
1	APR	0600	7	704.	*	2	APR	0700	32	25681.	*	3	APR	0800	57	7283.	*	4	APR	0900	82	2886.
1	APR	0700	8	862.	*	2	APR	0800	33	25674.	*	3	APR	0900	58	7031.	*	4	APR	1000	83	2750.
1	APR	0800	9	1054.	*	2	APR	0900	34	25280.	*	3	APR	1000	59	6765.	*	4	APR	1100	84	2602.
1	APR	0900	10	1296.	*	2	APR	1000	35	24619.	*	3	APR	1100	60	6493.	*	4	APR	1200	85	2452.
1	APR	1000	11	2126.	*	2	APR	1100	36	23780.	*	3	APR	1200	61	6216.	*	4	APR	1300	86	2305.
1	APR	1100	12	4324.	*	2	APR	1200	37	22825.	*	3	APR	1300	62	5958.	*	4	APR	1400	87	2168.
1	APR	1200	13	5769.	*	2	APR	1300	38	21774.	*	3	APR	1400	63	5712.	*	4	APR	1500	88	2037.
1	APR	1300	14	7089.	*	2	APR	1400	39	20661.	*	3	APR	1500	64	5468.	*	4	APR	1600	89	1852.
1	APR	1400	15	12512.	*	2	APR	1500	40	19437.	*	3	APR	1600	65	5228.	*	4	APR	1700	90	1681.
1	APR	1500	16	16755.	*	2	APR	1600	41	18195.	*	3	APR	1700	66	4998.	*	4	APR	1800	91	1535.
1	APR	1600	17	17626.	*	2	APR	1700	42	17057.	*	3	APR	1800	67	4786.	*	4	APR	1900	92	1411.
1	APR	1700	18	15319.	*	2	APR	1800	43	15919.	*	3	APR	1900	68	4592.	*	4	APR	2000	93	1306.
1	APR	1800	19	9389.	*	2	APR	1900	44	14624.	*	3	APR	2000	69	4413.	*	4	APR	2100	94	1217.
1	APR	1900	20	5379.	*	2	APR	2000	45	13139.	*	3	APR	2100	70	4245.	*	4	APR	2200	95	1139.
1	APR	2000	21	4008.	*	2	APR	2100	46	12036.	*	3	APR	2200	71	4093.	*	4	APR	2300	96	1072.
1	APR	2100	22	3357.	*	2	APR	2200	47	11127.	*	3	APR	2300	72	4000.	*	5	APR	0000	97	1013.
1	APR	2200	23	3069.	*	2	APR	2300	48	10329.	*	4	APR	0000	73	3902.	*	5	APR	0100	98	970.
1	APR	2300	24	3344.	*	3	APR	0000	49	9607.	*	4	APR	0100	74	3801.	*	5	APR	0200	99	933.
2	APR	0000	25	4247.	*	3	APR	0100	50	8970.	*	4	APR	0200	75	3696.	*	5	APR	0300	100	898.

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
+	25681.	31.00				
		(CFS)	25047.	18411.	10185.	7751.
		(INCHES)	.417	1.226	2.035	2.129
		(AC-FT)	12420.	36518.	60606.	63413.

day3.out

CUMULATIVE AREA = 558.46 SQ MI

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

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* *
538 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

543 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								
544 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				
546 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	19654.	3517.22	*	3	APR	2000	69	5883.	1572.60
1	APR	0100	2	1.	.06	*	2	APR	1100	36	20921.	3742.96	*	3	APR	2100	70	5655.	1530.44
1	APR	0200	3	6.	.66	*	2	APR	1200	37	21904.	3917.82	*	3	APR	2200	71	5432.	1489.25
1	APR	0300	4	29.	2.97	*	2	APR	1300	38	22578.	4037.63	*	3	APR	2300	72	5217.	1449.48
1	APR	0400	5	77.	8.02	*	2	APR	1400	39	22945.	4103.05	*	4	APR	0000	73	5012.	1411.63
1	APR	0500	6	151.	15.73	*	2	APR	1500	40	23028.	4117.77	*	4	APR	0100	74	4821.	1376.15
1	APR	0600	7	245.	25.49	*	2	APR	1600	41	22855.	4086.98	*	4	APR	0200	75	4644.	1343.45

day3.out													
1 APR 0700	8	357.	37.08	*	2 APR 1700	42	22460.	4016.64	*	4 APR 0300	76	4485.	1314.04
1 APR 0800	9	490.	50.97	*	2 APR 1800	43	21879.	3913.28	*	4 APR 0400	77	4346.	1288.27
1 APR 0900	10	659.	66.29	*	2 APR 1900	44	21149.	3783.48	*	4 APR 0500	78	4227.	1266.38
1 APR 1000	11	831.	81.80	*	2 APR 2000	45	20301.	3632.49	*	4 APR 0600	79	4132.	1248.84
1 APR 1100	12	1008.	98.62	*	2 APR 2100	46	19350.	3462.98	*	4 APR 0700	80	4057.	1234.84
1 APR 1200	13	1144.	125.26	*	2 APR 2200	47	18298.	3275.15	*	4 APR 0800	81	3996.	1222.41
1 APR 1300	14	1368.	169.03	*	2 APR 2300	48	17126.	3065.92	*	4 APR 0900	82	3967.	1209.05
1 APR 1400	15	1640.	222.18	*	3 APR 0000	49	15817.	2832.28	*	4 APR 1000	83	3933.	1193.12
1 APR 1500	16	1986.	289.90	*	3 APR 0100	50	14263.	2599.37	*	4 APR 1100	84	3893.	1174.56
1 APR 1600	17	2287.	426.38	*	3 APR 0200	51	12609.	2404.09	*	4 APR 1200	85	3848.	1153.33
1 APR 1700	18	2965.	742.35	*	3 APR 0300	52	11258.	2244.50	*	4 APR 1300	86	3796.	1129.37
1 APR 1800	19	4297.	1279.27	*	3 APR 0400	53	10107.	2108.66	*	4 APR 1400	87	3739.	1102.66
1 APR 1900	20	7111.	1797.70	*	3 APR 0500	54	8880.	2020.00	*	4 APR 1500	88	3676.	1073.20
1 APR 2000	21	9238.	2044.32	*	3 APR 0600	55	8311.	1981.45	*	4 APR 1600	89	3607.	1041.05
1 APR 2100	22	9105.	2035.31	*	3 APR 0700	56	8071.	1965.18	*	4 APR 1700	90	3532.	1006.23
1 APR 2200	23	7894.	1940.86	*	3 APR 0800	57	7977.	1956.22	*	4 APR 1800	91	3451.	968.78
1 APR 2300	24	7375.	1845.92	*	3 APR 0900	58	7919.	1945.53	*	4 APR 1900	92	3365.	928.74
2 APR 0000	25	6764.	1734.21	*	3 APR 1000	59	7835.	1930.07	*	4 APR 2000	93	3274.	886.22
2 APR 0100	26	6183.	1627.77	*	3 APR 1100	60	7723.	1909.56	*	4 APR 2100	94	3177.	841.15
2 APR 0200	27	5776.	1552.92	*	3 APR 1200	61	7583.	1884.06	*	4 APR 2200	95	3074.	793.06
2 APR 0300	28	5787.	1554.86	*	3 APR 1300	62	7418.	1853.91	*	4 APR 2300	96	2963.	741.47
2 APR 0400	29	6695.	1721.43	*	3 APR 1400	63	7232.	1819.70	*	5 APR 0000	97	2846.	686.56
2 APR 0500	30	9238.	2044.33	*	3 APR 1500	64	7027.	1782.21	*	5 APR 0100	98	2722.	629.06
2 APR 0600	31	12455.	2385.83	*	3 APR 1600	65	6808.	1742.29	*	5 APR 0200	99	2583.	564.40
2 APR 0700	32	14953.	2680.83	*	3 APR 1700	66	6581.	1700.70	*	5 APR 0300	100	2425.	490.78
2 APR 0800	33	16557.	2964.37	*	3 APR 1800	67	6349.	1658.17	*				
2 APR 0900	34	18166.	3251.48	*	3 APR 1900	68	6115.	1615.31	*				

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
23028.	39.00	22626.	17904.	9910.	7654.
		(INCHES)	1.377	1.192	1.980
		(AC-FT)	11220.	35512.	58970.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
(AC-FT)	(HR)	6-HR	24-HR	72-HR	99.00-HR
4118.	39.00	4046.	3257.	2122.	1642.

CUMULATIVE AREA = 558.46 SQ MI

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

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day3.out

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*****
*           *
549 KK      * 15A * ROMOLAND SUB-AREA (A-SYSTEM)
*           *
*****
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COMBINE HOMELAND, ROMOLAND (A-SYSTEM) AND THE REMAINING AREA AT THE
D/S OF I-215 FWY PER CDJ

```
554 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

```
552 BA      SUBBASIN CHARACTERISTICS
              TAREA      28.11  SUBBASIN AREA
```

PRECIPITATION DATA

```
553 PB      STORM      1.86  BASIN TOTAL PRECIPITATION
```

```
555 PI      INCREMENTAL PRECIPITATION PATTERN
              .00      .00      .00      .00      .01      .01      .01      .01      .01      .04
              .07      .07      .09      .20      .18      .17      .09      .00      .00      .00
              .00      .00      .00      .00      .00      .00
```

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

```
565 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.
1	APR	0100	2	.00	.00	.00	15.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.01	.00	.01	70.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.01	.00	.01	105.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	117.	*	3	APR	0600	55	.00	.00	.00	0.

						day3.out						
1 APR 0500	6	.01	.00	.01	153.	*	3 APR 0700	56	.00	.00	.00	0.
1 APR 0600	7	.01	.00	.01	208.	*	3 APR 0800	57	.00	.00	.00	0.
1 APR 0700	8	.01	.00	.01	239.	*	3 APR 0900	58	.00	.00	.00	0.
1 APR 0800	9	.02	.00	.02	295.	*	3 APR 1000	59	.00	.00	.00	0.
1 APR 0900	10	.02	.00	.02	364.	*	3 APR 1100	60	.00	.00	.00	0.
1 APR 1000	11	.07	.00	.07	753.	*	3 APR 1200	61	.00	.00	.00	0.
1 APR 1100	12	.14	.00	.14	1554.	*	3 APR 1300	62	.00	.00	.00	0.
1 APR 1200	13	.13	.00	.13	2013.	*	3 APR 1400	63	.00	.00	.00	0.
1 APR 1300	14	.17	.00	.17	2469.	*	3 APR 1500	64	.00	.00	.00	0.
1 APR 1400	15	.37	.00	.37	4351.	*	3 APR 1600	65	.00	.00	.00	0.
1 APR 1500	16	.33	.00	.33	5324.	*	3 APR 1700	66	.00	.00	.00	0.
1 APR 1600	17	.31	.00	.31	5417.	*	3 APR 1800	67	.00	.00	.00	0.
1 APR 1700	18	.17	.00	.17	4361.	*	3 APR 1900	68	.00	.00	.00	0.
1 APR 1800	19	.01	.00	.01	2318.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.01	.00	.01	1171.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.01	.00	.01	762.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.01	.00	.01	531.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.01	.00	.01	389.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.01	.00	.01	275.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.01	.00	.01	206.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.01	.00	.01	144.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	65.	*	4 APR 0400	77	.00	.00	.00	0.
2 APR 0300	28	.00	.00	.00	29.	*	4 APR 0500	78	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	17.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	11.	*	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	4.	*	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	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 = 1.86, TOTAL LOSS = .00, TOTAL EXCESS = 1.86

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

day3.out

+ (CFS) (HR)
+ 5417. 16.00
(CFS) 4015. 1399. 469. 341.
(INCHES) 1.328 1.852 1.860 1.860
(AC-FT) 1991. 2776. 2788. 2788.

CUMULATIVE AREA = 28.11 SQ MI

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568 KK * I *
* *

ENTRANCE TO RAILROAD CANYON DAM

570 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	6327.	*	3	APR	0200	51	12609.	*	4	APR	0300	76	4485.
1	APR	0100	2	15.	*	2	APR	0200	27	5841.	*	3	APR	0300	52	11258.	*	4	APR	0400	77	4346.
1	APR	0200	3	76.	*	2	APR	0300	28	5816.	*	3	APR	0400	53	10107.	*	4	APR	0500	78	4227.
1	APR	0300	4	134.	*	2	APR	0400	29	6712.	*	3	APR	0500	54	8880.	*	4	APR	0600	79	4132.
1	APR	0400	5	194.	*	2	APR	0500	30	9249.	*	3	APR	0600	55	8311.	*	4	APR	0700	80	4057.
1	APR	0500	6	304.	*	2	APR	0600	31	12461.	*	3	APR	0700	56	8071.	*	4	APR	0800	81	3996.
1	APR	0600	7	453.	*	2	APR	0700	32	14957.	*	3	APR	0800	57	7977.	*	4	APR	0900	82	3967.
1	APR	0700	8	595.	*	2	APR	0800	33	16559.	*	3	APR	0900	58	7919.	*	4	APR	1000	83	3933.
1	APR	0800	9	785.	*	2	APR	0900	34	18166.	*	3	APR	1000	59	7835.	*	4	APR	1100	84	3893.
1	APR	0900	10	1023.	*	2	APR	1000	35	19654.	*	3	APR	1100	60	7723.	*	4	APR	1200	85	3848.
1	APR	1000	11	1585.	*	2	APR	1100	36	20921.	*	3	APR	1200	61	7583.	*	4	APR	1300	86	3796.
1	APR	1100	12	2563.	*	2	APR	1200	37	21904.	*	3	APR	1300	62	7418.	*	4	APR	1400	87	3739.
1	APR	1200	13	3157.	*	2	APR	1300	38	22578.	*	3	APR	1400	63	7232.	*	4	APR	1500	88	3676.
1	APR	1300	14	3837.	*	2	APR	1400	39	22945.	*	3	APR	1500	64	7027.	*	4	APR	1600	89	3607.
1	APR	1400	15	5991.	*	2	APR	1500	40	23028.	*	3	APR	1600	65	6808.	*	4	APR	1700	90	3532.
1	APR	1500	16	7310.	*	2	APR	1600	41	22855.	*	3	APR	1700	66	6581.	*	4	APR	1800	91	3451.
1	APR	1600	17	7704.	*	2	APR	1700	42	22460.	*	3	APR	1800	67	6349.	*	4	APR	1900	92	3365.

day3.out														
1 APR 1700	18	7327.	*	2 APR 1800	43	21879.	*	3 APR 1900	68	6115.	*	4 APR 2000	93	3274.
1 APR 1800	19	6615.	*	2 APR 1900	44	21149.	*	3 APR 2000	69	5883.	*	4 APR 2100	94	3177.
1 APR 1900	20	8282.	*	2 APR 2000	45	20301.	*	3 APR 2100	70	5655.	*	4 APR 2200	95	3074.
1 APR 2000	21	10000.	*	2 APR 2100	46	19350.	*	3 APR 2200	71	5432.	*	4 APR 2300	96	2963.
1 APR 2100	22	9637.	*	2 APR 2200	47	18298.	*	3 APR 2300	72	5217.	*	5 APR 0000	97	2846.
1 APR 2200	23	8283.	*	2 APR 2300	48	17126.	*	4 APR 0000	73	5012.	*	5 APR 0100	98	2722.
1 APR 2300	24	7650.	*	3 APR 0000	49	15817.	*	4 APR 0100	74	4821.	*	5 APR 0200	99	2583.
2 APR 0000	25	6970.	*	3 APR 0100	50	14263.	*	4 APR 0200	75	4644.	*	5 APR 0300	100	2425.

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)					
+	23028.	39.00					
		(CFS)	22626.	17905.	10188.	7995.	
		(INCHES)	.359	1.135	1.938	2.091	
		(AC-FT)	11220.	35513.	60624.	65411.	

CUMULATIVE AREA = 586.57 SQ MI

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

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 * *
 572 KK * I-J *
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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

576 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 I-J

day3.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	6649.	*	3	APR	0200	51	13436.	*	4	APR	0300	76	4564.	*
1	APR	0100	2	8.	*	2	APR	0200	27	6084.	*	3	APR	0300	52	11934.	*	4	APR	0400	77	4415.	*
1	APR	0200	3	46.	*	2	APR	0300	28	5828.	*	3	APR	0400	53	10682.	*	4	APR	0500	78	4286.	*
1	APR	0300	4	105.	*	2	APR	0400	29	6264.	*	3	APR	0500	54	9493.	*	4	APR	0600	79	4180.	*
1	APR	0400	5	164.	*	2	APR	0500	30	7980.	*	3	APR	0600	55	8596.	*	4	APR	0700	80	4095.	*
1	APR	0500	6	249.	*	2	APR	0600	31	10855.	*	3	APR	0700	56	8191.	*	4	APR	0800	81	4026.	*
1	APR	0600	7	379.	*	2	APR	0700	32	13709.	*	3	APR	0800	57	8024.	*	4	APR	0900	82	3982.	*
1	APR	0700	8	524.	*	2	APR	0800	33	15758.	*	3	APR	0900	58	7948.	*	4	APR	1000	83	3950.	*
1	APR	0800	9	690.	*	2	APR	0900	34	17363.	*	3	APR	1000	59	7877.	*	4	APR	1100	84	3913.	*
1	APR	0900	10	904.	*	2	APR	1000	35	18910.	*	3	APR	1100	60	7779.	*	4	APR	1200	85	3870.	*
1	APR	1000	11	1304.	*	2	APR	1100	36	20288.	*	3	APR	1200	61	7653.	*	4	APR	1300	86	3822.	*
1	APR	1100	12	2074.	*	2	APR	1200	37	21413.	*	3	APR	1300	62	7501.	*	4	APR	1400	87	3767.	*
1	APR	1200	13	2860.	*	2	APR	1300	38	22241.	*	3	APR	1400	63	7325.	*	4	APR	1500	88	3707.	*
1	APR	1300	14	3497.	*	2	APR	1400	39	22761.	*	3	APR	1500	64	7129.	*	4	APR	1600	89	3641.	*
1	APR	1400	15	4914.	*	2	APR	1500	40	22987.	*	3	APR	1600	65	6918.	*	4	APR	1700	90	3569.	*
1	APR	1500	16	6650.	*	2	APR	1600	41	22941.	*	3	APR	1700	66	6695.	*	4	APR	1800	91	3492.	*
1	APR	1600	17	7507.	*	2	APR	1700	42	22657.	*	3	APR	1800	67	6465.	*	4	APR	1900	92	3408.	*
1	APR	1700	18	7516.	*	2	APR	1800	43	22169.	*	3	APR	1900	68	6232.	*	4	APR	2000	93	3320.	*
1	APR	1800	19	6971.	*	2	APR	1900	44	21514.	*	3	APR	2000	69	5999.	*	4	APR	2100	94	3226.	*
1	APR	1900	20	7449.	*	2	APR	2000	45	20725.	*	3	APR	2100	70	5769.	*	4	APR	2200	95	3126.	*
1	APR	2000	21	9141.	*	2	APR	2100	46	19825.	*	3	APR	2200	71	5543.	*	4	APR	2300	96	3019.	*
1	APR	2100	22	9818.	*	2	APR	2200	47	18824.	*	3	APR	2300	72	5324.	*	5	APR	0000	97	2905.	*
1	APR	2200	23	8960.	*	2	APR	2300	48	17712.	*	4	APR	0000	73	5115.	*	5	APR	0100	98	2784.	*
1	APR	2300	24	7966.	*	3	APR	0000	49	16472.	*	4	APR	0100	74	4917.	*	5	APR	0200	99	2653.	*
2	APR	0000	25	7310.	*	3	APR	0100	50	15040.	*	4	APR	0200	75	4732.	*	5	APR	0300	100	2504.	*

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
+	22987.	39.00				
			(CFS)			
			22566.	17873.	10186.	7982.
		(INCHES)	.358	1.133	1.937	2.088
		(AC-FT)	11190.	35451.	60611.	65308.

CUMULATIVE AREA = 586.57 SQ MI

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577 KK 17 SUBAREA 17

day3.out

SALT CREEK

581 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

579 BA SUBBASIN CHARACTERISTICS
TAREA 123.91 SUBBASIN AREA

PRECIPITATION DATA

580 PB STORM 1.70 BASIN TOTAL PRECIPITATION

582 PI INCREMENTAL PRECIPITATION PATTERN
.00 .00 .00 .01 .01 .01 .01 .01 .02 .05
.05 .07 .13 .23 .17 .16 .04 .01 .00 .00
.00 .00 .00 .00 .00 .00

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

592 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	214.
1	APR	0100	2	.00	.00	.00	34.	*	3	APR	0300	52	.00	.00	.00	201.
1	APR	0200	3	.01	.00	.01	130.	*	3	APR	0400	53	.00	.00	.00	188.
1	APR	0300	4	.01	.00	.01	238.	*	3	APR	0500	54	.00	.00	.00	170.
1	APR	0400	5	.01	.00	.01	362.	*	3	APR	0600	55	.00	.00	.00	140.
1	APR	0500	6	.01	.00	.01	515.	*	3	APR	0700	56	.00	.00	.00	89.
1	APR	0600	7	.01	.00	.01	625.	*	3	APR	0800	57	.00	.00	.00	51.
1	APR	0700	8	.02	.00	.02	727.	*	3	APR	0900	58	.00	.00	.00	16.

						day3.out						
1 APR 0800	9	.02	.00	.02	882.	*	3 APR 1000	59	.00	.00	.00	7.
1 APR 0900	10	.03	.00	.03	1117.	*	3 APR 1100	60	.00	.00	.00	6.
1 APR 1000	11	.08	.00	.08	1789.	*	3 APR 1200	61	.00	.00	.00	5.
1 APR 1100	12	.09	.00	.09	2947.	*	3 APR 1300	62	.00	.00	.00	4.
1 APR 1200	13	.12	.00	.12	4064.	*	3 APR 1400	63	.00	.00	.00	3.
1 APR 1300	14	.22	.00	.22	5905.	*	3 APR 1500	64	.00	.00	.00	2.
1 APR 1400	15	.38	.00	.38	9727.	*	3 APR 1600	65	.00	.00	.00	1.
1 APR 1500	16	.29	.00	.29	13774.	*	3 APR 1700	66	.00	.00	.00	0.
1 APR 1600	17	.26	.00	.26	15191.	*	3 APR 1800	67	.00	.00	.00	0.
1 APR 1700	18	.07	.00	.07	14026.	*	3 APR 1900	68	.00	.00	.00	0.
1 APR 1800	19	.01	.00	.01	10520.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.01	.00	.01	7424.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.01	.00	.01	5658.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.01	.00	.01	4622.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.01	.00	.01	3936.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.01	.00	.01	3403.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.01	.00	.01	3023.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	2653.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	2286.	*	4 APR 0400	77	.00	.00	.00	0.
2 APR 0300	28	.00	.00	.00	1969.	*	4 APR 0500	78	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	1748.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	1594.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	1474.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	1356.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	1258.	*	4 APR 1000	83	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	1152.	*	4 APR 1100	84	.00	.00	.00	0.
2 APR 1000	35	.00	.00	.00	1063.	*	4 APR 1200	85	.00	.00	.00	0.
2 APR 1100	36	.00	.00	.00	960.	*	4 APR 1300	86	.00	.00	.00	0.
2 APR 1200	37	.00	.00	.00	879.	*	4 APR 1400	87	.00	.00	.00	0.
2 APR 1300	38	.00	.00	.00	804.	*	4 APR 1500	88	.00	.00	.00	0.
2 APR 1400	39	.00	.00	.00	731.	*	4 APR 1600	89	.00	.00	.00	0.
2 APR 1500	40	.00	.00	.00	657.	*	4 APR 1700	90	.00	.00	.00	0.
2 APR 1600	41	.00	.00	.00	595.	*	4 APR 1800	91	.00	.00	.00	0.
2 APR 1700	42	.00	.00	.00	540.	*	4 APR 1900	92	.00	.00	.00	0.
2 APR 1800	43	.00	.00	.00	477.	*	4 APR 2000	93	.00	.00	.00	0.
2 APR 1900	44	.00	.00	.00	386.	*	4 APR 2100	94	.00	.00	.00	0.
2 APR 2000	45	.00	.00	.00	316.	*	4 APR 2200	95	.00	.00	.00	0.
2 APR 2100	46	.00	.00	.00	253.	*	4 APR 2300	96	.00	.00	.00	0.
2 APR 2200	47	.00	.00	.00	235.	*	5 APR 0000	97	.00	.00	.00	0.
2 APR 2300	48	.00	.00	.00	230.	*	5 APR 0100	98	.00	.00	.00	0.
3 APR 0000	49	.00	.00	.00	225.	*	5 APR 0200	99	.00	.00	.00	0.
3 APR 0100	50	.00	.00	.00	220.	*	5 APR 0300	100	.00	.00	.00	0.

TOTAL RAINFALL = 1.70, TOTAL LOSS = .00, TOTAL EXCESS = 1.70

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	
+	(CFS)	(HR)		24-HR	72-HR
					99.00-HR
+	15191.	16.00	(CFS)	11651.	5062.
				1886.	1372.

(INCHES) .874 1.519 1.698 day3.out
 (AC-FT) 5777. 10040. 11223. 11223.

CUMULATIVE AREA = 123.91 SQ MI

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 599 KK * 16 * SUBAREA 16
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RAILROAD CANYON

603 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

SUBBASIN RUNOFF DATA

601 BA SUBBASIN CHARACTERISTICS
 TAREA 26.04 SUBBASIN AREA

PRECIPITATION DATA

602 PB STORM 2.03 BASIN TOTAL PRECIPITATION

604 PI INCREMENTAL PRECIPITATION PATTERN
 .00 .00 .00 .01 .01 .01 .01 .01 .01 .04
 .08 .07 .09 .20 .18 .17 .09 .00 .00 .00
 .00 .00 .00 .00 .00 .00

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

609 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

day3.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	5.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.01	.00	.01	39.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.01	.00	.01	73.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	105.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	133.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	160.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.02	.00	.02	190.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.02	.00	.02	230.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.03	.00	.03	295.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.09	.00	.09	637.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.15	.00	.15	1254.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.15	.00	.15	1661.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.19	.00	.19	2050.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.40	.00	.40	3355.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.36	.00	.36	4259.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.34	.00	.34	4501.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.19	.00	.19	3980.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	2606.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	1661.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.01	.00	.01	1250.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.01	.00	.01	989.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.01	.00	.01	815.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	687.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	594.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	512.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	422.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	340.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	281.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	224.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	175.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	138.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	109.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	93.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	82.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	68.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	47.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	27.	*	4	APR	1500	88	.00	.00	.00	0.
2	APR	1400	39	.00	.00	.00	11.	*	4	APR	1600	89	.00	.00	.00	0.
2	APR	1500	40	.00	.00	.00	3.	*	4	APR	1700	90	.00	.00	.00	0.
2	APR	1600	41	.00	.00	.00	2.	*	4	APR	1800	91	.00	.00	.00	0.
2	APR	1700	42	.00	.00	.00	1.	*	4	APR	1900	92	.00	.00	.00	0.
2	APR	1800	43	.00	.00	.00	1.	*	4	APR	2000	93	.00	.00	.00	0.
2	APR	1900	44	.00	.00	.00	1.	*	4	APR	2100	94	.00	.00	.00	0.
2	APR	2000	45	.00	.00	.00	1.	*	4	APR	2200	95	.00	.00	.00	0.
2	APR	2100	46	.00	.00	.00	0.	*	4	APR	2300	96	.00	.00	.00	0.

							day3.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 = 2.03, TOTAL LOSS = .00, TOTAL EXCESS = 2.03

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)					
		(CFS)					
+	4501.	16.00	3426.	1373.	473.	344.	
		(INCHES)	1.223	1.961	2.027	2.027	
		(AC-FT)	1699.	2724.	2815.	2815.	

CUMULATIVE AREA = 26.04 SQ MI

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614 KK *****
 * *
 * J(US) *
 * *

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

617 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	9813.	*	3	APR	0200	51	13650.	*	4	APR	0300	76	4564.	*
1	APR	0100	2	46.	*	2	APR	0200	27	8791.	*	3	APR	0300	52	12135.	*	4	APR	0400	77	4415.	*
1	APR	0200	3	215.	*	2	APR	0300	28	8137.	*	3	APR	0400	53	10870.	*	4	APR	0500	78	4286.	*
1	APR	0300	4	415.	*	2	APR	0400	29	8293.	*	3	APR	0500	54	9664.	*	4	APR	0600	79	4180.	*
1	APR	0400	5	630.	*	2	APR	0500	30	9798.	*	3	APR	0600	55	8735.	*	4	APR	0700	80	4095.	*

day3.out														
1 APR 0500	6	897.	*	2 APR 0600	31	12504.	*	3 APR 0700	56	8280.	*	4 APR 0800	81	4026.
1 APR 0600	7	1163.	*	2 APR 0700	32	15204.	*	3 APR 0800	57	8075.	*	4 APR 0900	82	3982.
1 APR 0700	8	1442.	*	2 APR 0800	33	17125.	*	3 APR 0900	58	7964.	*	4 APR 1000	83	3950.
1 APR 0800	9	1803.	*	2 APR 0900	34	18607.	*	3 APR 1000	59	7884.	*	4 APR 1100	84	3913.
1 APR 0900	10	2316.	*	2 APR 1000	35	20056.	*	3 APR 1100	60	7784.	*	4 APR 1200	85	3870.
1 APR 1000	11	3730.	*	2 APR 1100	36	21316.	*	3 APR 1200	61	7658.	*	4 APR 1300	86	3822.
1 APR 1100	12	6275.	*	2 APR 1200	37	22338.	*	3 APR 1300	62	7505.	*	4 APR 1400	87	3767.
1 APR 1200	13	8584.	*	2 APR 1300	38	23072.	*	3 APR 1400	63	7328.	*	4 APR 1500	88	3707.
1 APR 1300	14	11452.	*	2 APR 1400	39	23503.	*	3 APR 1500	64	7131.	*	4 APR 1600	89	3641.
1 APR 1400	15	17997.	*	2 APR 1500	40	23647.	*	3 APR 1600	65	6919.	*	4 APR 1700	90	3569.
1 APR 1500	16	24684.	*	2 APR 1600	41	23538.	*	3 APR 1700	66	6695.	*	4 APR 1800	91	3492.
1 APR 1600	17	27199.	*	2 APR 1700	42	23198.	*	3 APR 1800	67	6465.	*	4 APR 1900	92	3408.
1 APR 1700	18	25521.	*	2 APR 1800	43	22648.	*	3 APR 1900	68	6232.	*	4 APR 2000	93	3320.
1 APR 1800	19	20097.	*	2 APR 1900	44	21901.	*	3 APR 2000	69	5999.	*	4 APR 2100	94	3226.
1 APR 1900	20	16534.	*	2 APR 2000	45	21041.	*	3 APR 2100	70	5769.	*	4 APR 2200	95	3126.
1 APR 2000	21	16049.	*	2 APR 2100	46	20079.	*	3 APR 2200	71	5543.	*	4 APR 2300	96	3019.
1 APR 2100	22	15429.	*	2 APR 2200	47	19059.	*	3 APR 2300	72	5324.	*	5 APR 0000	97	2905.
1 APR 2200	23	13710.	*	2 APR 2300	48	17942.	*	4 APR 0000	73	5115.	*	5 APR 0100	98	2784.
1 APR 2300	24	12057.	*	3 APR 0000	49	16696.	*	4 APR 0100	74	4917.	*	5 APR 0200	99	2653.
2 APR 0000	25	10928.	*	3 APR 0100	50	15260.	*	4 APR 0200	75	4732.	*	5 APR 0300	100	2504.

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
27199.	16.00	23242.	18547.	12387.	9698.
		.293	.937	1.876	2.020
		11525.	36787.	73706.	79346.

CUMULATIVE AREA = 736.52 SQ MI

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

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619 KK J(DS) RAILROAD CANYON DAM

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

HYDROGRAPH ROUTING DATA

621 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							
				day3.out							
622 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
624 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
626 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	15174.	6839.0	1390.0	*	3	APR	2000	69	6996.	4230.9	1386.9
1	APR	0100	2	1.	1.9	1381.8	*	2	APR	1100	36	16632.	7234.3	1390.5	*	3	APR	2100	70	6773.	4148.2	1386.8
1	APR	0200	3	8.	12.3	1381.8	*	2	APR	1200	37	18028.	7606.0	1390.9	*	3	APR	2200	71	6564.	4064.6	1386.7
1	APR	0300	4	24.	37.0	1381.8	*	2	APR	1300	38	19351.	7937.9	1391.3	*	3	APR	2300	72	6353.	3979.9	1386.6
1	APR	0400	5	50.	77.1	1381.9	*	2	APR	1400	39	20465.	8217.2	1391.6	*	4	APR	0000	73	6141.	3895.0	1386.5
1	APR	0500	6	87.	134.6	1382.0	*	2	APR	1500	40	21359.	8437.3	1391.9	*	4	APR	0100	74	5931.	3810.7	1386.4
1	APR	0600	7	136.	210.6	1382.1	*	2	APR	1600	41	22020.	8594.5	1392.1	*	4	APR	0200	75	5724.	3727.8	1386.3
1	APR	0700	8	196.	304.5	1382.2	*	2	APR	1700	42	22420.	8689.5	1392.2	*	4	APR	0300	76	5523.	3647.2	1386.2
1	APR	0800	9	270.	419.3	1382.3	*	2	APR	1800	43	22569.	8724.9	1392.2	*	4	APR	0400	77	5330.	3569.9	1386.1
1	APR	0900	10	363.	563.4	1382.5	*	2	APR	1900	44	22481.	8704.2	1392.2	*	4	APR	0500	78	5147.	3496.5	1386.0
1	APR	1000	11	500.	777.6	1382.7	*	2	APR	2000	45	22182.	8633.0	1392.1	*	4	APR	0600	79	4976.	3428.1	1385.9
1	APR	1100	12	912.	1132.6	1383.2	*	2	APR	2100	46	21702.	8518.8	1392.0	*	4	APR	0700	80	4819.	3365.3	1385.8
1	APR	1200	13	1557.	1644.6	1383.8	*	2	APR	2200	47	21070.	8368.6	1391.8	*	4	APR	0800	81	4691.	3307.9	1385.8
1	APR	1300	14	2664.	2298.1	1384.5	*	2	APR	2300	48	20342.	8186.4	1391.6	*	4	APR	0900	82	4582.	3255.6	1385.7
1	APR	1400	15	4505.	3218.7	1385.7	*	3	APR	0000	49	19487.	7971.9	1391.3	*	4	APR	1000	83	4484.	3208.8	1385.6
1	APR	1500	16	7692.	4478.3	1387.2	*	3	APR	0100	50	18494.	7722.9	1391.0	*	4	APR	1100	84	4397.	3166.7	1385.6
1	APR	1600	17	11688.	5821.4	1388.8	*	3	APR	0200	51	17374.	7435.4	1390.7	*	4	APR	1200	85	4317.	3128.3	1385.5
1	APR	1700	18	15337.	6883.2	1390.0	*	3	APR	0300	52	16188.	7114.0	1390.3	*	4	APR	1300	86	4242.	3092.5	1385.5
1	APR	1800	19	17314.	7419.0	1390.7	*	3	APR	0400	53	14948.	6777.9	1389.9	*	4	APR	1400	87	4171.	3058.5	1385.5
1	APR	1900	20	17579.	7490.9	1390.8	*	3	APR	0500	54	13774.	6439.6	1389.5	*	4	APR	1500	88	4102.	3025.5	1385.4
1	APR	2000	21	17238.	7398.5	1390.7	*	3	APR	0600	55	12650.	6107.9	1389.1	*	4	APR	1600	89	4034.	2992.9	1385.4
1	APR	2100	22	16842.	7291.0	1390.5	*	3	APR	0700	56	11644.	5807.2	1388.7	*	4	APR	1700	90	3966.	2960.2	1385.3
1	APR	2200	23	16240.	7128.1	1390.3	*	3	APR	0800	57	10861.	5553.0	1388.4	*	4	APR	1800	91	3897.	2927.1	1385.3
1	APR	2300	24	15352.	6887.4	1390.0	*	3	APR	0900	58	10219.	5344.8	1388.2	*	4	APR	1900	92	3826.	2893.0	1385.3
2	APR	0000	25	14351.	6609.7	1389.7	*	3	APR	1000	59	9700.	5176.5	1388.0	*	4	APR	2000	93	3753.	2857.9	1385.2
2	APR	0100	26	13373.	6321.2	1389.4	*	3	APR	1100	60	9279.	5039.7	1387.8	*	4	APR	2100	94	3677.	2821.3	1385.2
2	APR	0200	27	12373.	6026.0	1389.0	*	3	APR	1200	61	8948.	4924.6	1387.7	*	4	APR	2200	95	3597.	2783.2	1385.1
2	APR	0300	28	11442.	5741.5	1388.7	*	3	APR	1300	62	8663.	4823.4	1387.6	*	4	APR	2300	96	3514.	2743.2	1385.1
2	APR	0400	29	10713.	5505.0	1388.4	*	3	APR	1400	63	8404.	4731.1	1387.5	*	5	APR	0000	97	3427.	2701.2	1385.0

												day3.out				
2 APR 0500	30	10336.	5382.8	1388.2	*	3 APR 1500	64	8159.	4644.2	1387.4	*	5 APR 0100	98	3334.	2656.8	1385.0
2 APR 0600	31	10520.	5442.5	1388.3	*	3 APR 1600	65	7923.	4560.2	1387.3	*	5 APR 0200	99	3237.	2610.0	1384.9
2 APR 0700	32	11274.	5686.9	1388.6	*	3 APR 1700	66	7690.	4477.7	1387.2	*	5 APR 0300	100	3132.	2559.9	1384.9
2 APR 0800	33	12431.	6043.3	1389.0	*	3 APR 1800	67	7459.	4395.5	1387.1	*					
2 APR 0900	34	13766.	6437.3	1389.5	*	3 APR 1900	68	7227.	4313.3	1387.0	*					

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	22569.	42.00	22200.	18182.	12112.	9385.
		(INCHES)	.280	.918	1.835	1.955
		(AC-FT)	11008.	36063.	72072.	76786.

PEAK STORAGE	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(AC-FT)	(HR)				
	8725.	42.00	8637.	7604.	5774.	4664.

PEAK STAGE	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(FEET)	(HR)				
	1392.24	42.00	1392.13	1390.90	1388.71	1387.38

CUMULATIVE AREA = 736.52 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 3: /S.J.RIVER CP-J(DS)/J(DS)/FLOW/01MAR1992/1HOUR//
 -----DSS---ZWRITE Unit 71; Vers. 3: /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	37108.	18.00	30283.	14206.	5515.	178.50		
+	HYDROGRAPH AT	3	9241.	17.00	7325.	3270.	1212.	51.38		
+	HYDROGRAPH AT	4	3922.	17.00	3006.	1219.	418.	15.76		
+	3 COMBINED AT	A	49860.	18.00	40438.	18686.	7145.	245.64		

ROUTED TO

+		A-B	49707.	18.00	40420.	day3.out 18674.	7145.	245.64
+	HYDROGRAPH AT	6	7862.	16.00	6170.	2614.	918.	35.42
+	HYDROGRAPH AT	5	2265.	15.00	1725.	694.	239.	12.07
+	3 COMBINED AT	B	56765.	18.00	47095.	21918.	8302.	293.13
+	HYDROGRAPH AT	7	1095.	15.00	835.	321.	109.	5.64
+	2 COMBINED AT	C	57176.	18.00	47645.	22222.	8410.	298.77
+	HYDROGRAPH AT	8	1612.	15.00	1191.	446.	151.	9.73
+	2 COMBINED AT	D	57773.	18.00	48442.	22644.	8562.	308.50
+	HYDROGRAPH AT	9	7236.	15.00	5458.	2097.	714.	43.98
+	2 COMBINED AT	E	61254.	17.00	52877.	24641.	9275.	352.48
+	ROUTED TO	E-F	52412.	20.00	42033.	21818.	8471.	352.48
+	HYDROGRAPH AT	10	2964.	16.00	2272.	853.	289.	17.90
+	HYDROGRAPH AT	11	2698.	16.00	2005.	746.	252.	18.10
+	3 COMBINED AT	F	53576.	20.00	43100.	22346.	8936.	388.48
+	ROUTED TO	F-F1	48796.	22.00	39674.	21912.	8903.	388.48
+	ROUTED TO	F1-G	46146.	23.00	35501.	20775.	8873.	388.48
+	HYDROGRAPH AT	12A	681.	14.00	463.	150.	50.	12.26
+	HYDROGRAPH AT	12A1	1536.	14.00	1055.	349.	117.	12.26

day3.out

+	3 COMBINED AT	G	46195.	23.00	35541.	20790.	8999.	413.00		
+	ROUTED TO	G-H	25494.	32.00	24853.	18201.	8863.	413.00		
+	HYDROGRAPH AT	13	1534.	16.00	1152.	458.	158.	25.74		
+	HYDROGRAPH AT	13	2581.	16.00	1921.	704.	238.	25.74		
+	3 COMBINED AT	NUEVDS	25539.	31.00	24907.	18248.	9026.	464.48		
+	HYDROGRAPH AT	14	1447.	15.00	1027.	338.	113.	9.03		
+	ROUTED TO	PB	116.	20.00	116.	115.	107.	9.03	1687.39	20.00
+	HYDROGRAPH AT	IA	208.	15.00	140.	44.	15.	1.17		
+	2 COMBINED AT	IA	316.	15.00	248.	153.	121.	10.20		
+	ROUTED TO	IB	185.	17.00	176.	147.	120.	10.20	1643.76	17.00
+	HYDROGRAPH AT	LA	133.	14.00	89.	28.	9.	.69		
+	ROUTED TO	LB	49.	17.00	47.	28.	9.	.69	1741.84	17.00
+	HYDROGRAPH AT	NA	947.	15.00	686.	223.	74.	4.33		
+	ROUTED TO	NB	453.	17.00	418.	220.	74.	4.33	74.00	17.00
+	HYDROGRAPH AT	SA	892.	15.00	634.	204.	68.	4.34		
+	4 COMBINED AT	CP1	1513.	16.00	1196.	580.	267.	19.56		

					day3.out				
+	HYDROGRAPH AT	CP4A	10411.	16.00	7535.	2658.	890.	62.87	
+	HYDROGRAPH AT	SEATA	616.	15.00	441.	142.	48.	3.01	
+	3 COMBINED AT	CP4	12519.	16.00	9143.	3366.	1202.	85.44	
+	2 COMBINED AT	COMB	25681.	31.00	25047.	18411.	10117.	549.92	
+	HYDROGRAPH AT	15B	276.	15.00	200.	65.	22.	4.27	
+	HYDROGRAPH AT	15B1	620.	15.00	458.	152.	51.	4.27	
+	2 COMBINED AT	15B7	896.	15.00	658.	218.	73.	8.54	
+	2 COMBINED AT	H	25681.	31.00	25047.	18411.	10185.	558.46	
+	ROUTED TO	H-I	23028.	39.00	22626.	17904.	9910.	558.46	
+	HYDROGRAPH AT	15A	5417.	16.00	4015.	1399.	469.	28.11	
+	2 COMBINED AT	I	23028.	39.00	22626.	17905.	10188.	586.57	
+	ROUTED TO	I-J	22987.	39.00	22566.	17873.	10186.	586.57	
+	HYDROGRAPH AT	17	15191.	16.00	11651.	5062.	1886.	123.91	
+	HYDROGRAPH AT	16	4501.	16.00	3426.	1373.	473.	26.04	
+	3 COMBINED AT	J(US)	27199.	16.00	23242.	18547.	12387.	736.52	
+	ROUTED TO	J(DS)	22569.	42.00	22200.	18182.	12112.	736.52	
+									1392.24
									42.00

day3.out

*** 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