

1*****	SJR_10-yr.out	*****
* FLOOD HYDROGRAPH PACKAGE (HEC-1)		* U.S. ARMY CORPS OF ENGINEERS
* JUN 1998		* HYDROLOGIC ENGINEERING CENTER
* VERSION 4.1		* 609 SECOND STREET
* RUN DATE 10OCT16 TIME 16:52:27		* DAVIS, CALIFORNIA 95616
*****		* (916) 756-1104

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

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

THE DEFINITIONS OF VARIABLES -RTIMP- AND -RTIOR- HAVE CHANGED FROM THOSE USED WITH THE 1973-STYLE INPUT STRUCTURE. THE DEFINITION OF -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	10-Year 24-Hour Storm: STAGE III PROJECT DATE: 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	

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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      1.367
20      IN      60 01APR92      0135
21      PI      0.004 0.005 0.006 0.007 0.010 0.010 0.013 0.016 0.022 0.057
22      PI      0.028 0.051 0.186 0.218 0.194 0.138 0.005 0.007 0.005 0.004
23      PI      0.004 0.004 0.003 0.003
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      0.841
37      IN      60 01APR92      0120
38      PI      0.005 0.006 0.008 0.010 0.013 0.013 0.017 0.021 0.029 0.037
39      PI      0.032 0.033 0.180 0.226 0.198 0.128 0.006 0.009 0.006 0.005
40      PI      0.005 0.005 0.004 0.004
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      1.183
53      IN      30 01APR92      0110
54      PI      0.002 0.002 0.002 0.002 0.003 0.004 0.004 0.004 0.005 0.005
55      PI      0.005 0.006 0.006 0.007 0.007 0.009 0.011 0.012 0.018 0.035
56      PI      0.011 0.031 0.027 0.020 0.080 0.104 0.146 0.071 0.098 0.094
57      PI      0.083 0.053 0.003 0.002 0.004 0.003 0.003 0.002 0.002 0.002

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			SJR_10-yr.out									
58	PI	0.002	0.002	0.002	0.002	0.002	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	1.127										
79	IN	30	01APR92	0100								
80	PI	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.004	0.004	0.005	
81	PI	0.004	0.005	0.006	0.007	0.007	0.009	0.010	0.011	0.021	0.037	
82	PI	0.010	0.033	0.030	0.022	0.080	0.103	0.143	0.071	0.097	0.093	
83	PI	0.082	0.054	0.003	0.002	0.003	0.003	0.003	0.002	0.002	0.002	
84	PI	0.002	0.002	0.002	0.002	0.002	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	0.751										
94	IN	30	01APR92	0055								
95	PI	0.002	0.003	0.003	0.003	0.003	0.004	0.004	0.005	0.006	0.006	
96	PI	0.006	0.007	0.008	0.009	0.009	0.011	0.013	0.014	0.017	0.021	
97	PI	0.013	0.017	0.016	0.015	0.078	0.107	0.159	0.068	0.102	0.098	
98	PI	0.084	0.049	0.003	0.003	0.004	0.004	0.003	0.002	0.003	0.002	

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LINE	ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
99	PI 0.003 0.002 0.002 0.002 0.002 0.002 0.002 0.002
100	LU 0 0
101	KM UHG FROM MOUNTAIN S-GRAPH

						SJR_10-yr.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	0.828									
113	IN	15 01APR92 0045									
114	PI	0.001 0.001 0.001 0.002 0.001 0.001 0.001 0.001 0.002 0.002 0.002									
115	PI	0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.003 0.003 0.003									
116	PI	0.002 0.003 0.003 0.003 0.004 0.004 0.004 0.004 0.004 0.004 0.005									
117	PI	0.005 0.005 0.006 0.006 0.007 0.007 0.008 0.008 0.009 0.009 0.015									
118	PI	0.006 0.006 0.010 0.011 0.008 0.009 0.007 0.007 0.037 0.042									
119	PI	0.051 0.056 0.078 0.079 0.034 0.035 0.053 0.049 0.050 0.047									
120	PI	0.044 0.040 0.025 0.025 0.002 0.002 0.001 0.001 0.002 0.002									
121	PI	0.002 0.002 0.002 0.002 0.001 0.001 0.001 0.002 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	0.634									
136	IN	15 01APR92 0045									
137	PI	0.001 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002									
138	PI	0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.004 0.004 0.004									
139	PI	0.003 0.004 0.004 0.004 0.005 0.005 0.005 0.005 0.005 0.006 0.006									
140	PI	0.007 0.007 0.008 0.008 0.009 0.009 0.010 0.011 0.011 0.012									
141	PI	0.008 0.008 0.011 0.011 0.010 0.010 0.009 0.010 0.027 0.034									
142	PI	0.047 0.054 0.083 0.084 0.026 0.027 0.051 0.047 0.048 0.044									
143	PI	0.040 0.036 0.015 0.017 0.002 0.002 0.002 0.002 0.003 0.003									
144	PI	0.003 0.002 0.002 0.002 0.002 0.001 0.002 0.002 0.002 0.001									
145	PI	0.002 0.002 0.002 0.001 0.002 0.001 0.002 0.001 0.002 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	0.580									
159	IN	30 01APR92	0050								
160	PI	0.002	0.003	0.003	0.003	0.004	0.005	0.005	0.005	0.006	0.007
161	PI	0.006	0.008	0.009	0.010	0.010	0.012	0.015	0.016	0.019	0.021
162	PI	0.015	0.020	0.019	0.017	0.009	0.104	0.163	0.060	0.100	0.095
163	PI	0.080	0.040	0.004	0.003	0.005	0.004	0.004	0.002	0.003	0.002
164	PI	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002		
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	0.645									
189	IN	15 01APR92	0035								
190	PI	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.002	0.002
191	PI	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.004
192	PI	0.003	0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005

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193	PI	0.006	0.006	0.007	0.007	0.008	0.008	0.009	0.010	0.010	0.011
194	PI	0.007	0.007	0.010	0.010	0.009	0.009	0.008	0.009	0.032	0.038
195	PI	0.049	0.055	0.081	0.082	0.030	0.031	0.052	0.048	0.049	0.046
196	PI	0.042	0.038	0.020	0.021	0.002	0.002	0.001	0.001	0.002	0.002
197	PI	0.002	0.002	0.002	0.002	0.001	0.001	0.001	0.002	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				

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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	0.560									
208	IN	15	01APR92	0030							
209	PI	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
210	PI	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.005
211	PI	0.003	0.004	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006
212	PI	0.007	0.007	0.008	0.008	0.009	0.010	0.011	0.011	0.012	0.012
213	PI	0.008	0.008	0.011	0.011	0.011	0.011	0.010	0.010	0.025	0.033
214	PI	0.046	0.053	0.083	0.085	0.024	0.026	0.050	0.046	0.048	0.043
215	PI	0.039	0.035	0.014	0.015	0.002	0.002	0.002	0.002	0.003	0.003
216	PI	0.003	0.002	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001
217	PI	0.002	0.002	0.002	0.001	0.002	0.001	0.002	0.001	0.002	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				

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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=

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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	0.513									
254 IN	15	01APR92	0030							
255 PI	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
256 PI	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.005
257 PI	0.004	0.004	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.007
258 PI	0.007	0.008	0.009	0.009	0.010	0.010	0.011	0.012	0.013	0.013
259 PI	0.009	0.009	0.012	0.012	0.011	0.011	0.010	0.011	0.023	0.031
260 PI	0.045	0.052	0.084	0.086	0.022	0.024	0.049	0.045	0.047	0.043
261 PI	0.038	0.034	0.011	0.013	0.002	0.002	0.002	0.002	0.003	0.003
262 PI	0.003	0.002	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001
263 PI	0.002	0.002	0.002	0.001	0.002	0.001	0.002	0.001	0.002	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	0.513									
272 IN	15	01APR92	0030							
273 PI	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
274 PI	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.005
275 PI	0.004	0.004	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.007
276 PI	0.007	0.008	0.009	0.009	0.010	0.010	0.011	0.012	0.013	0.013
277 PI	0.009	0.009	0.012	0.012	0.011	0.011	0.010	0.011	0.023	0.031
278 PI	0.045	0.052	0.084	0.086	0.022	0.024	0.049	0.045	0.047	0.043
279 PI	0.038	0.034	0.011	0.013	0.002	0.002	0.002	0.002	0.003	0.003
280 PI	0.003	0.002	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001
281 PI	0.002	0.002	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001
282 PI	0.001	0.001	0.001	0.001	0.001	0.001				

SJR_10-yr.out

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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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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      0.617
306 IN      15 01APR92      0020
307 PI      0.001      0.002      0.002      0.002      0.002      0.002      0.002      0.002      0.002      0.002
308 PI      0.003      0.003      0.003      0.003      0.003      0.003      0.003      0.004      0.004      0.004
309 PI      0.003      0.004      0.004      0.004      0.005      0.005      0.005      0.005      0.005      0.006
310 PI      0.006      0.007      0.008      0.008      0.008      0.009      0.010      0.010      0.011      0.011
311 PI      0.008      0.008      0.010      0.010      0.010      0.010      0.009      0.009      0.030      0.036
312 PI      0.048      0.055      0.082      0.083      0.028      0.029      0.051      0.047      0.049      0.045
313 PI      0.041      0.037      0.018      0.019      0.002      0.002      0.002      0.002      0.003      0.003
314 PI      0.003      0.002      0.002      0.002      0.002      0.001      0.002      0.002      0.002      0.001
315 PI      0.002      0.002      0.002      0.001      0.002      0.001      0.002      0.001      0.002      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      0.617

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SJR_10-yr.out

327	IN	15	01APR92	0020																
328	PI	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002									
329	PI	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004									
330	PI	0.003	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.006									
331	PI	0.006	0.007	0.008	0.008	0.008	0.009	0.010	0.010	0.011	0.011									
332	PI	0.008	0.008	0.010	0.010	0.010	0.010	0.009	0.009	0.030	0.036									
333	PI	0.048	0.055	0.082	0.083	0.028	0.029	0.051	0.047	0.049	0.045									
334	PI	0.041	0.037	0.018	0.019	0.002	0.002	0.002	0.002	0.003	0.003									
335	PI	0.003	0.002	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001									
336	PI	0.002	0.002	0.002	0.001	0.002	0.001	0.002	0.001	0.002	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.																		

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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	0.523									
357	IN	30	01APR92	0010							
358	PI	0.003	0.004	0.003	0.004	0.004	0.006	0.006	0.006	0.007	0.008
359	PI	0.007	0.009	0.010	0.011	0.012	0.014	0.017	0.018	0.021	0.024
360	PI	0.017	0.022	0.021	0.019	0.061	0.100	0.167	0.052	0.097	0.092
361	PI	0.075	0.031	0.004	0.003	0.006	0.005	0.004	0.003	0.004	0.003
362	PI	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.002		
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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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	0.528									
377	IN	30	01APR92	0010							
378	PI	0.003	0.004	0.003	0.004	0.004	0.005	0.005	0.006	0.007	0.008
379	PI	0.007	0.009	0.010	0.011	0.012	0.014	0.016	0.018	0.021	0.024
380	PI	0.016	0.022	0.021	0.019	0.061	0.100	0.167	0.053	0.097	0.092
381	PI	0.076	0.032	0.004	0.003	0.005	0.005	0.004	0.003	0.004	0.003
382	PI	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.002		
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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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

398	KK	LA									
399	KM	TRIBUTARY AREA FOR LASSELLE BASIN									
400	BA	.689									
401	PB	0.565									
402	IN	30	01APR92	0010							
403	PI	0.003	0.004	0.003	0.004	0.004	0.006	0.006	0.006	0.007	0.008
404	PI	0.007	0.009	0.010	0.011	0.012	0.014	0.017	0.018	0.021	0.024
405	PI	0.017	0.022	0.021	0.019	0.061	0.100	0.167	0.052	0.097	0.092
406	PI	0.075	0.031	0.004	0.003	0.006	0.005	0.004	0.003	0.004	0.003
407	PI	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.002		
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			

						SJR_10-yr.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	0.773								
422	IN	30	01APR92	0010						
423	PI	0.002	0.003	0.003	0.003	0.003	0.004	0.004	0.005	0.005
424	PI	0.005	0.007	0.008	0.008	0.009	0.011	0.013	0.014	0.016
425	PI	0.013	0.019	0.016	0.015	0.078	0.107	0.158	0.069	0.102
426	PI	0.084	0.050	0.003	0.003	0.004	0.004	0.003	0.002	0.003
427	PI	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
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
437	SQ	342	363	382.7	419.2	452.8	484	513.4	541.2	567.6
438	SE	58	58.8	59.7	60.6	61.6	62.6	63.9	65	66
439	SE	68	69	70	72	74	76	78	80	82
440	KK	SA								
441	KM	AREA TRIBUTARY TO SINCLAIR BASIN								
442	BA	4.34								
443	PB	0.697								
444	IN	30	01APR92	0010						
445	PI	0.002	0.003	0.003	0.003	0.004	0.005	0.005	0.005	0.006
446	PI	0.006	0.007	0.008	0.009	0.010	0.012	0.014	0.015	0.018
447	PI	0.014	0.019	0.018	0.016	0.073	0.105	0.162	0.064	0.101
					HEC-1 INPUT					
LINE	ID	1	2	3	4	5	6	7	8	9
448	PI	0.082	0.044	0.004	0.003	0.005	0.004	0.004	0.002	0.003
449	PI	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
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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458      KK      CP4A
459      KM      TOTAL WATERSHED ABOVE CP4 EXCLUDING BASIN AREAS
460      BA      62.87
461      PB      0.594
462      IN      30 01APR92      0010
463      PI      0.002  0.003  0.003  0.003  0.004  0.005  0.005  0.005  0.006  0.007
464      PI      0.006  0.008  0.009  0.010  0.010  0.012  0.015  0.016  0.019  0.021
465      PI      0.015  0.019  0.018  0.017  0.070  0.104  0.163  0.061  0.100  0.095
466      PI      0.080  0.041  0.004  0.003  0.005  0.004  0.004  0.002  0.003  0.002
467      PI      0.003  0.002  0.002  0.002  0.002  0.002  0.002  0.002
468      LU      0      0
469      KM      UHG FROM VALLEY S-GGRAPH
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      0.674
476      IN      30 01APR92      0010
477      PI      0.002  0.003  0.003  0.003  0.004  0.004  0.004  0.005  0.006  0.007
478      PI      0.006  0.007  0.008  0.009  0.009  0.011  0.013  0.015  0.017  0.019
479      PI      0.013  0.018  0.017  0.016  0.076  0.107  0.160  0.067  0.102  0.097
480      PI      0.083  0.047  0.004  0.003  0.004  0.004  0.004  0.002  0.003  0.002
481      PI      0.003  0.002  0.002  0.002  0.002  0.002  0.002  0.002
482      LU      0      0
483      KM      UHG FROM AVERAGE FULLERTON - SAN JOSE S-GGRAPH
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      0.688
499      IN      15 01APR92      0015
500      PI      0.001  0.001  0.001  0.002  0.001  0.001  0.001  0.002  0.002  0.002
501      PI      0.002  0.002  0.002  0.002  0.002  0.003  0.003  0.003  0.003  0.004

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LINE	ID	1	2	3	4	5	6	7	8	9	10
502	PI	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005
503	PI	0.005	0.006	0.007	0.007	0.007	0.008	0.009	0.009	0.009	0.010
504	PI	0.007	0.007	0.009	0.009	0.009	0.009	0.008	0.008	0.035	0.040
505	PI	0.050	0.056	0.080	0.081	0.032	0.034	0.053	0.049	0.050	0.047
506	PI	0.043	0.040	0.023	0.024	0.002	0.002	0.001	0.001	0.002	0.002
507	PI	0.002	0.002	0.002	0.002	0.001	0.001	0.001	0.002	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	0.688									
517	IN	15	01APR92	0015							
518	PI	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.002	0.002
519	PI	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.004
520	PI	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005
521	PI	0.005	0.006	0.007	0.007	0.007	0.008	0.009	0.009	0.009	0.010
522	PI	0.007	0.007	0.009	0.009	0.009	0.009	0.008	0.008	0.035	0.040
523	PI	0.050	0.056	0.080	0.081	0.032	0.034	0.053	0.049	0.050	0.047
524	PI	0.043	0.040	0.023	0.024	0.002	0.002	0.001	0.001	0.002	0.002
525	PI	0.002	0.002	0.002	0.002	0.001	0.001	0.001	0.002	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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		SJR_10-yr.out									
		0	500	1000	2000	4000	6000	8000	10000	15000	20000
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	0.641									
554	IN	15	01APR92	0015							
555	PI	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.002	0.002
556	PI	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.004
557	PI	0.003	0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005
558	PI	0.006	0.006	0.007	0.007	0.007	0.008	0.009	0.009	0.010	0.010
559	PI	0.007	0.007	0.009	0.009	0.009	0.009	0.008	0.008	0.033	0.039
560	PI	0.050	0.056	0.080	0.081	0.031	0.032	0.052	0.049	0.050	0.046
561	PI	0.043	0.039	0.021	0.022	0.002	0.002	0.001	0.001	0.002	0.002
562	PI	0.002	0.002	0.002	0.002	0.001	0.001	0.001	0.002	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	0.754									
581	IN	15	01APR92	0040							
582	PI	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
583	PI	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004
584	PI	0.003	0.004	0.004	0.004	0.005	0.005	0.006	0.006	0.006	0.006
585	PI	0.007	0.007	0.008	0.008	0.009	0.009	0.011	0.011	0.012	0.012
586	PI	0.008	0.008	0.011	0.011	0.011	0.011	0.009	0.010	0.026	0.033
587	PI	0.046	0.053	0.083	0.085	0.025	0.026	0.050	0.046	0.048	0.044
		HEC-1 INPUT									
LINE	ID	1	2	3	4	5	6	7	8	9	10
588	PI	0.040	0.035	0.015	0.016	0.002	0.002	0.002	0.002	0.003	0.003
589	PI	0.003	0.002	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001

		SJR_10-yr.out									
590	PI	0.002	0.002	0.002	0.001	0.002	0.001	0.002	0.001	0.002	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	0.741									
603	IN	30	01APR92	0015							
604	PI	0.002	0.003	0.003	0.003	0.003	0.004	0.004	0.005	0.006	0.006
605	PI	0.006	0.007	0.008	0.009	0.009	0.011	0.013	0.014	0.017	0.020
606	PI	0.013	0.017	0.016	0.015	0.077	0.107	0.159	0.068	0.102	0.098
607	PI	0.084	0.049	0.003	0.003	0.004	0.004	0.003	0.002	0.003	0.002
608	PI	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002		
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

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

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

SJR_10-yr.out

SA
CP1
CP4A
SEATA
CP4
COMB
15B
15B1
15B7
H
V
H-I
15A
I
V
I-J
17
16
J(US)

619 J(DS)^V

(***) RUNOFF ALSO COMPUTED AT THIS LOCATION
 1*****
 *
 * FLOOD HYDROGRAPH PACKAGE (HEC-1) *
 * JUN 1998 *
 * VERSION 4.1 *
 *
 * RUN DATE 10OCT16 TIME 16:52:27 *
 *

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

10-Year 24-Hour Storm
 WEBB ASSOCITES BASE FILE OF SAN JACINTO RIVER EXISITNG 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 SJR_10-yr.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 1.37 BASIN TOTAL PRECIPITATION

21 PI INCREMENTAL PRECIPITATION PATTERN
 .00 .00 .00 .01 .01 .01 .01 .01 .01 .02
 .04 .04 .04 .13 .20 .20 .16 .06 .01 .01
 .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

SJR_10-yr.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	511.
1	APR	0100	2	.00	.00	.00	0.	*	3	APR	0300	52	.00	.00	.00	485.
1	APR	0200	3	.00	.00	.00	23.	*	3	APR	0400	53	.00	.00	.00	462.
1	APR	0300	4	.01	.00	.01	89.	*	3	APR	0500	54	.00	.00	.00	410.
1	APR	0400	5	.01	.00	.01	209.	*	3	APR	0600	55	.00	.00	.00	339.
1	APR	0500	6	.01	.00	.01	344.	*	3	APR	0700	56	.00	.00	.00	272.
1	APR	0600	7	.01	.00	.01	481.	*	3	APR	0800	57	.00	.00	.00	224.
1	APR	0700	8	.01	.00	.01	625.	*	3	APR	0900	58	.00	.00	.00	206.
1	APR	0800	9	.02	.00	.02	790.	*	3	APR	1000	59	.00	.00	.00	203.
1	APR	0900	10	.02	.00	.02	975.	*	3	APR	1100	60	.00	.00	.00	199.
1	APR	1000	11	.03	.00	.03	1214.	*	3	APR	1200	61	.00	.00	.00	197.
1	APR	1100	12	.06	.00	.06	1709.	*	3	APR	1300	62	.00	.00	.00	194.
1	APR	1200	13	.05	.00	.05	2382.	*	3	APR	1400	63	.00	.00	.00	190.
1	APR	1300	14	.06	.00	.06	3193.	*	3	APR	1500	64	.00	.00	.00	187.
1	APR	1400	15	.18	.00	.18	4548.	*	3	APR	1600	65	.00	.00	.00	183.
1	APR	1500	16	.28	.00	.28	7318.	*	3	APR	1700	66	.00	.00	.00	178.
1	APR	1600	17	.28	.00	.28	11551.	*	3	APR	1800	67	.00	.00	.00	170.
1	APR	1700	18	.22	.00	.22	15075.	*	3	APR	1900	68	.00	.00	.00	162.
1	APR	1800	19	.08	.00	.08	15803.	*	3	APR	2000	69	.00	.00	.00	152.
1	APR	1900	20	.01	.00	.01	13828.	*	3	APR	2100	70	.00	.00	.00	126.
1	APR	2000	21	.01	.00	.01	10408.	*	3	APR	2200	71	.00	.00	.00	86.
1	APR	2100	22	.01	.00	.01	7631.	*	3	APR	2300	72	.00	.00	.00	47.
1	APR	2200	23	.01	.00	.01	6053.	*	4	APR	0000	73	.00	.00	.00	17.
1	APR	2300	24	.01	.00	.01	5109.	*	4	APR	0100	74	.00	.00	.00	6.
2	APR	0000	25	.00	.00	.00	4442.	*	4	APR	0200	75	.00	.00	.00	5.
2	APR	0100	26	.00	.00	.00	3902.	*	4	APR	0300	76	.00	.00	.00	4.
2	APR	0200	27	.00	.00	.00	3446.	*	4	APR	0400	77	.00	.00	.00	3.
2	APR	0300	28	.00	.00	.00	3043.	*	4	APR	0500	78	.00	.00	.00	2.
2	APR	0400	29	.00	.00	.00	2691.	*	4	APR	0600	79	.00	.00	.00	1.
2	APR	0500	30	.00	.00	.00	2387.	*	4	APR	0700	80	.00	.00	.00	1.
2	APR	0600	31	.00	.00	.00	2130.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	1909.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	1722.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	1577.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	1470.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	1382.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	1308.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	1237.	*	4	APR	1500	88	.00	.00	.00	0.
2	APR	1400	39	.00	.00	.00	1173.	*	4	APR	1600	89	.00	.00	.00	0.
2	APR	1500	40	.00	.00	.00	1110.	*	4	APR	1700	90	.00	.00	.00	0.
2	APR	1600	41	.00	.00	.00	1042.	*	4	APR	1800	91	.00	.00	.00	0.
2	APR	1700	42	.00	.00	.00	984.	*	4	APR	1900	92	.00	.00	.00	0.
2	APR	1800	43	.00	.00	.00	927.	*	4	APR	2000	93	.00	.00	.00	0.
2	APR	1900	44	.00	.00	.00	865.	*	4	APR	2100	94	.00	.00	.00	0.
2	APR	2000	45	.00	.00	.00	801.	*	4	APR	2200	95	.00	.00	.00	0.
2	APR	2100	46	.00	.00	.00	744.	*	4	APR	2300	96	.00	.00	.00	0.
2	APR	2200	47	.00	.00	.00	700.	*	5	APR	0000	97	.00	.00	.00	0.

						SJR_10-yr.out							
2 APR 2300	48	.00	.00	.00	657.	*	5 APR 0100	98	.00	.00	.00	0.	
3 APR 0000	49	.00	.00	.00	608.	*	5 APR 0200	99	.00	.00	.00	0.	
3 APR 0100	50	.00	.00	.00	557.	*	5 APR 0300	100	.00	.00	.00	0.	
						*							

TOTAL RAINFALL = 1.37, TOTAL LOSS = .00, TOTAL EXCESS = 1.37

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
(CFS)	(HR)	(CFS)				
+ 15803.	18.00	12357.	5550.	2186.	1590.	
		(INCHES)	.644	1.156	1.366	1.366
		(AC-FT)	6127.	11008.	13006.	13008.

CUMULATIVE AREA = 178.50 SQ MI

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

*** **

* *
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 .84 BASIN TOTAL PRECIPITATION

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

					SJR_10-yr.out				
.03	.04	.03	.08	.20	.22	.17	.09	.01	.01
.01	.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	44.
1	APR	0100	2	.00	.00	.00	0.	*	3	APR	0300	52	.00	.00	.00	43.
1	APR	0200	3	.00	.00	.00	4.	*	3	APR	0400	53	.00	.00	.00	41.
1	APR	0300	4	.00	.00	.00	24.	*	3	APR	0500	54	.00	.00	.00	39.
1	APR	0400	5	.01	.00	.01	57.	*	3	APR	0600	55	.00	.00	.00	37.
1	APR	0500	6	.01	.00	.01	92.	*	3	APR	0700	56	.00	.00	.00	34.
1	APR	0600	7	.01	.00	.01	128.	*	3	APR	0800	57	.00	.00	.00	28.
1	APR	0700	8	.01	.00	.01	169.	*	3	APR	0900	58	.00	.00	.00	18.
1	APR	0800	9	.01	.00	.01	209.	*	3	APR	1000	59	.00	.00	.00	9.
1	APR	0900	10	.02	.00	.02	254.	*	3	APR	1100	60	.00	.00	.00	4.
1	APR	1000	11	.02	.00	.02	316.	*	3	APR	1200	61	.00	.00	.00	2.
1	APR	1100	12	.03	.00	.03	404.	*	3	APR	1300	62	.00	.00	.00	1.
1	APR	1200	13	.03	.00	.03	511.	*	3	APR	1400	63	.00	.00	.00	1.
1	APR	1300	14	.03	.00	.03	595.	*	3	APR	1500	64	.00	.00	.00	1.
1	APR	1400	15	.07	.00	.07	765.	*	3	APR	1600	65	.00	.00	.00	1.
1	APR	1500	16	.16	.00	.16	1388.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.18	.00	.18	2391.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.15	.00	.15	3085.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.07	.00	.07	3097.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	2493.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.01	.00	.01	1751.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	1295.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	1044.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	880.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	760.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	668.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	588.	*	4	APR	0400	77	.00	.00	.00	0.

						SJR_10-yr.out						
2 APR 0300	28	.00	.00	.00	508.	*	4 APR 0500	78	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	433.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	377.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	341.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	313.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	289.	*	4 APR 1000	83	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	267.	*	4 APR 1100	84	.00	.00	.00	0.
2 APR 1000	35	.00	.00	.00	246.	*	4 APR 1200	85	.00	.00	.00	0.
2 APR 1100	36	.00	.00	.00	227.	*	4 APR 1300	86	.00	.00	.00	0.
2 APR 1200	37	.00	.00	.00	208.	*	4 APR 1400	87	.00	.00	.00	0.
2 APR 1300	38	.00	.00	.00	189.	*	4 APR 1500	88	.00	.00	.00	0.
2 APR 1400	39	.00	.00	.00	173.	*	4 APR 1600	89	.00	.00	.00	0.
2 APR 1500	40	.00	.00	.00	158.	*	4 APR 1700	90	.00	.00	.00	0.
2 APR 1600	41	.00	.00	.00	142.	*	4 APR 1800	91	.00	.00	.00	0.
2 APR 1700	42	.00	.00	.00	129.	*	4 APR 1900	92	.00	.00	.00	0.
2 APR 1800	43	.00	.00	.00	118.	*	4 APR 2000	93	.00	.00	.00	0.
2 APR 1900	44	.00	.00	.00	108.	*	4 APR 2100	94	.00	.00	.00	0.
2 APR 2000	45	.00	.00	.00	94.	*	4 APR 2200	95	.00	.00	.00	0.
2 APR 2100	46	.00	.00	.00	76.	*	4 APR 2300	96	.00	.00	.00	0.
2 APR 2200	47	.00	.00	.00	60.	*	5 APR 0000	97	.00	.00	.00	0.
2 APR 2300	48	.00	.00	.00	50.	*	5 APR 0100	98	.00	.00	.00	0.
3 APR 0000	49	.00	.00	.00	47.	*	5 APR 0200	99	.00	.00	.00	0.
3 APR 0100	50	.00	.00	.00	46.	*	5 APR 0300	100	.00	.00	.00	0.

TOTAL RAINFALL = .84, TOTAL LOSS = .00, TOTAL EXCESS = .84

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	3097.	18.00	2360.	1023.	387.	282.
		(INCHES)	.427	.740	.841	.841
		(AC-FT)	1170.	2029.	2304.	2304.

CUMULATIVE AREA = 51.38 SQ MI

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

*** **

49 KK	*	*
	*	*
	4	*
	*	*

SUBAREA 4		
POPPET CREEK		

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 1.18 BASIN TOTAL PRECIPITATION

54 PI INCREMENTAL PRECIPITATION PATTERN
 .00 .00 .00 .00 .01 .01 .01 .01 .01 .02
 .03 .05 .05 .06 .21 .20 .19 .11 .01 .01
 .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	2.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	17.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	29.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	46.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	63.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	78.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	94.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.02	.00	.02	112.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.02	.00	.02	139.	*	3	APR	1200	61	.00	.00	.00	0.

						SJR_10-yr.out						
1 APR 1100	12	.03	.00	.03	188.	*	3 APR 1300	62	.00	.00	.00	0.
1 APR 1200	13	.06	.00	.06	316.	*	3 APR 1400	63	.00	.00	.00	0.
1 APR 1300	14	.06	.00	.06	401.	*	3 APR 1500	64	.00	.00	.00	0.
1 APR 1400	15	.08	.00	.08	500.	*	3 APR 1600	65	.00	.00	.00	0.
1 APR 1500	16	.24	.00	.24	1094.	*	3 APR 1700	66	.00	.00	.00	0.
1 APR 1600	17	.24	.00	.24	1562.	*	3 APR 1800	67	.00	.00	.00	0.
1 APR 1700	18	.22	.00	.22	1709.	*	3 APR 1900	68	.00	.00	.00	0.
1 APR 1800	19	.13	.00	.13	1521.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.01	.00	.01	981.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.01	.00	.01	624.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.01	.00	.01	470.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.00	.00	.00	369.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.00	.00	.00	305.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.00	.00	.00	262.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	227.	*	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	155.	*	4 APR 0500	78	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	125.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	104.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	80.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	62.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	47.	*	4 APR 1000	83	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	37.	*	4 APR 1100	84	.00	.00	.00	0.
2 APR 1000	35	.00	.00	.00	35.	*	4 APR 1200	85	.00	.00	.00	0.
2 APR 1100	36	.00	.00	.00	31.	*	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	15.	*	4 APR 1500	88	.00	.00	.00	0.
2 APR 1400	39	.00	.00	.00	7.	*	4 APR 1600	89	.00	.00	.00	0.
2 APR 1500	40	.00	.00	.00	2.	*	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	1.	*	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 = 1.18, TOTAL LOSS = .00, TOTAL EXCESS = 1.18

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	1709.	17.00	1238.	483.	167.	122.
		(INCHES)	.730	1.141	1.183	1.183
		(AC-FT)	614.	959.	994.	994.

CUMULATIVE AREA = 15.76 SQ MI

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

*** **

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	4797.	*	3	APR	0200	51	555.	*	4	APR	0300	76	4.
1	APR	0100	2	0.	*	2	APR	0200	27	4226.	*	3	APR	0300	52	528.	*	4	APR	0400	77	3.
1	APR	0200	3	30.	*	2	APR	0300	28	3706.	*	3	APR	0400	53	503.	*	4	APR	0500	78	2.
1	APR	0300	4	130.	*	2	APR	0400	29	3249.	*	3	APR	0500	54	449.	*	4	APR	0600	79	1.
1	APR	0400	5	296.	*	2	APR	0500	30	2869.	*	3	APR	0600	55	376.	*	4	APR	0700	80	1.
1	APR	0500	6	482.	*	2	APR	0600	31	2551.	*	3	APR	0700	56	306.	*	4	APR	0800	81	0.
1	APR	0600	7	672.	*	2	APR	0700	32	2284.	*	3	APR	0800	57	251.	*	4	APR	0900	82	0.
1	APR	0700	8	872.	*	2	APR	0800	33	2058.	*	3	APR	0900	58	224.	*	4	APR	1000	83	0.
1	APR	0800	9	1094.	*	2	APR	0900	34	1882.	*	3	APR	1000	59	212.	*	4	APR	1100	84	0.
1	APR	0900	10	1340.	*	2	APR	1000	35	1750.	*	3	APR	1100	60	203.	*	4	APR	1200	85	0.
1	APR	1000	11	1669.	*	2	APR	1100	36	1640.	*	3	APR	1200	61	198.	*	4	APR	1300	86	0.
1	APR	1100	12	2302.	*	2	APR	1200	37	1539.	*	3	APR	1300	62	195.	*	4	APR	1400	87	0.
1	APR	1200	13	3210.	*	2	APR	1300	38	1441.	*	3	APR	1400	63	191.	*	4	APR	1500	88	0.
1	APR	1300	14	4189.	*	2	APR	1400	39	1353.	*	3	APR	1500	64	188.	*	4	APR	1600	89	0.
1	APR	1400	15	5813.	*	2	APR	1500	40	1270.	*	3	APR	1600	65	183.	*	4	APR	1700	90	0.
1	APR	1500	16	9801.	*	2	APR	1600	41	1186.	*	3	APR	1700	66	179.	*	4	APR	1800	91	0.
1	APR	1600	17	15503.	*	2	APR	1700	42	1113.	*	3	APR	1800	67	170.	*	4	APR	1900	92	0.
1	APR	1700	18	19870.	*	2	APR	1800	43	1046.	*	3	APR	1900	68	162.	*	4	APR	2000	93	0.
1	APR	1800	19	20421.	*	2	APR	1900	44	974.	*	3	APR	2000	69	152.	*	4	APR	2100	94	0.
1	APR	1900	20	17303.	*	2	APR	2000	45	895.	*	3	APR	2100	70	126.	*	4	APR	2200	95	0.
1	APR	2000	21	12782.	*	2	APR	2100	46	820.	*	3	APR	2200	71	86.	*	4	APR	2300	96	0.

1 APR 2100	22	9396.	*	2 APR 2200	47	760.	*	3 APR 2300	72	47.	*	5 APR 0000	97	0.
1 APR 2200	23	7466.	*	2 APR 2300	48	708.	*	4 APR 0000	73	17.	*	5 APR 0100	98	0.
1 APR 2300	24	6294.	*	3 APR 0000	49	655.	*	4 APR 0100	74	6.	*	5 APR 0200	99	0.
2 APR 0000	25	5463.	*	3 APR 0100	50	603.	*	4 APR 0200	75	5.	*	5 APR 0300	100	0.
			*				*				*			

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)					
+	20421.	18.00	(CFS)	15913.	7048.	2740.	1993.
			(INCHES)	.602	1.067	1.244	1.245
			(AC-FT)	7891.	13979.	16304.	16305.

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-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-A/A/FLOW/01MAR1992/1HOUR//
-----DSS---ZWRITE Unit 71; Vers. 1: /S.J.RIVER CP-A/A/FLOW/01APR1992/1HOUR//
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*
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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73	RT	TATUM OR STRADDLE-STAGGER	ROUTING
		NSTPS	1 NUMBER OF TATUM STEPS
		NSTDL	2 NUMBER OF ORDINATES TO BE AVERAGED
		LAG	0 NUMBER OF INTERVALS TO LAG HYDROGRAPH

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	5130.	*	3	APR	0200	51	579.	*	4	APR	0300	76		4.

SJRW10-yr.out

1 APR 0100	2	0.	*	2 APR 0200	27	4511.	*	3 APR 0300	52	542.	*	4 APR 0400	77	3.
1 APR 0200	3	15.	*	2 APR 0300	28	3966.	*	3 APR 0400	53	515.	*	4 APR 0500	78	3.
1 APR 0300	4	80.	*	2 APR 0400	29	3478.	*	3 APR 0500	54	476.	*	4 APR 0600	79	2.
1 APR 0400	5	213.	*	2 APR 0500	30	3059.	*	3 APR 0600	55	413.	*	4 APR 0700	80	1.
1 APR 0500	6	389.	*	2 APR 0600	31	2710.	*	3 APR 0700	56	341.	*	4 APR 0800	81	0.
1 APR 0600	7	577.	*	2 APR 0700	32	2417.	*	3 APR 0800	57	279.	*	4 APR 0900	82	0.
1 APR 0700	8	772.	*	2 APR 0800	33	2171.	*	3 APR 0900	58	238.	*	4 APR 1000	83	0.
1 APR 0800	9	983.	*	2 APR 0900	34	1970.	*	3 APR 1000	59	218.	*	4 APR 1100	84	0.
1 APR 0900	10	1217.	*	2 APR 1000	35	1816.	*	3 APR 1100	60	208.	*	4 APR 1200	85	0.
1 APR 1000	11	1504.	*	2 APR 1100	36	1695.	*	3 APR 1200	61	201.	*	4 APR 1300	86	0.
1 APR 1100	12	1985.	*	2 APR 1200	37	1590.	*	3 APR 1300	62	197.	*	4 APR 1400	87	0.
1 APR 1200	13	2756.	*	2 APR 1300	38	1490.	*	3 APR 1400	63	193.	*	4 APR 1500	88	0.
1 APR 1300	14	3699.	*	2 APR 1400	39	1397.	*	3 APR 1500	64	189.	*	4 APR 1600	89	0.
1 APR 1400	15	5001.	*	2 APR 1500	40	1312.	*	3 APR 1600	65	186.	*	4 APR 1700	90	0.
1 APR 1500	16	7807.	*	2 APR 1600	41	1228.	*	3 APR 1700	66	181.	*	4 APR 1800	91	0.
1 APR 1600	17	12652.	*	2 APR 1700	42	1150.	*	3 APR 1800	67	174.	*	4 APR 1900	92	0.
1 APR 1700	18	17686.	*	2 APR 1800	43	1080.	*	3 APR 1900	68	166.	*	4 APR 2000	93	0.
1 APR 1800	19	20145.	*	2 APR 1900	44	1010.	*	3 APR 2000	69	157.	*	4 APR 2100	94	0.
1 APR 1900	20	18862.	*	2 APR 2000	45	935.	*	3 APR 2100	70	139.	*	4 APR 2200	95	0.
1 APR 2000	21	15043.	*	2 APR 2100	46	858.	*	3 APR 2200	71	106.	*	4 APR 2300	96	0.
1 APR 2100	22	11089.	*	2 APR 2200	47	790.	*	3 APR 2300	72	66.	*	5 APR 0000	97	0.
1 APR 2200	23	8431.	*	2 APR 2300	48	734.	*	4 APR 0000	73	32.	*	5 APR 0100	98	0.
1 APR 2300	24	6880.	*	3 APR 0000	49	682.	*	4 APR 0100	74	12.	*	5 APR 0200	99	0.
2 APR 0000	25	5878.	*	3 APR 0100	50	629.	*	4 APR 0200	75	6.	*	5 APR 0300	100	0.

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
+	(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
+	20145.	18.00				
		(CFS)	15639.	7042.	2740.	1993.
		(INCHES)	.592	1.066	1.244	1.245
		(AC-FT)	7755.	13967.	16303.	16305.

CUMULATIVE AREA = 245.64 SQ MI

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

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75 KK 6 SUBAREA 6

MASSACRE CANYON

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 1.13 BASIN TOTAL PRECIPITATION

80 PI INCREMENTAL PRECIPITATION PATTERN

.00	.00	.00	.01	.01	.01	.01	.01	.02	.02
.06	.04	.05	.18	.21	.19	.14	.00	.01	.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	0.
1	APR	0200	3	.00	.00	.00	17.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	48.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	69.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	97.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	126.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	153.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	185.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.02	.00	.02	239.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.02	.00	.02	304.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.07	.00	.07	527.	*	3	APR	1300	62	.00	.00	.00	0.

SJR_10-yr.out											
1 APR 1200	13	.05	.00	.05	776.	*	3 APR 1400	63	.00	.00	.00
1 APR 1300	14	.06	.00	.06	847.	*	3 APR 1500	64	.00	.00	.00
1 APR 1400	15	.21	.00	.21	1526.	*	3 APR 1600	65	.00	.00	.00
1 APR 1500	16	.24	.00	.24	2721.	*	3 APR 1700	66	.00	.00	.00
1 APR 1600	17	.21	.00	.21	3331.	*	3 APR 1800	67	.00	.00	.00
1 APR 1700	18	.15	.00	.15	3319.	*	3 APR 1900	68	.00	.00	.00
1 APR 1800	19	.01	.00	.01	2550.	*	3 APR 2000	69	.00	.00	.00
1 APR 1900	20	.01	.00	.01	1550.	*	3 APR 2100	70	.00	.00	.00
1 APR 2000	21	.01	.00	.01	1151.	*	3 APR 2200	71	.00	.00	.00
1 APR 2100	22	.00	.00	.00	917.	*	3 APR 2300	72	.00	.00	.00
1 APR 2200	23	.00	.00	.00	750.	*	4 APR 0000	73	.00	.00	.00
1 APR 2300	24	.00	.00	.00	636.	*	4 APR 0100	74	.00	.00	.00
2 APR 0000	25	.00	.00	.00	548.	*	4 APR 0200	75	.00	.00	.00
2 APR 0100	26	.00	.00	.00	476.	*	4 APR 0300	76	.00	.00	.00
2 APR 0200	27	.00	.00	.00	413.	*	4 APR 0400	77	.00	.00	.00
2 APR 0300	28	.00	.00	.00	358.	*	4 APR 0500	78	.00	.00	.00
2 APR 0400	29	.00	.00	.00	316.	*	4 APR 0600	79	.00	.00	.00
2 APR 0500	30	.00	.00	.00	276.	*	4 APR 0700	80	.00	.00	.00
2 APR 0600	31	.00	.00	.00	244.	*	4 APR 0800	81	.00	.00	.00
2 APR 0700	32	.00	.00	.00	210.	*	4 APR 0900	82	.00	.00	.00
2 APR 0800	33	.00	.00	.00	180.	*	4 APR 1000	83	.00	.00	.00
2 APR 0900	34	.00	.00	.00	160.	*	4 APR 1100	84	.00	.00	.00
2 APR 1000	35	.00	.00	.00	134.	*	4 APR 1200	85	.00	.00	.00
2 APR 1100	36	.00	.00	.00	108.	*	4 APR 1300	86	.00	.00	.00
2 APR 1200	37	.00	.00	.00	85.	*	4 APR 1400	87	.00	.00	.00
2 APR 1300	38	.00	.00	.00	67.	*	4 APR 1500	88	.00	.00	.00
2 APR 1400	39	.00	.00	.00	61.	*	4 APR 1600	89	.00	.00	.00
2 APR 1500	40	.00	.00	.00	58.	*	4 APR 1700	90	.00	.00	.00
2 APR 1600	41	.00	.00	.00	54.	*	4 APR 1800	91	.00	.00	.00
2 APR 1700	42	.00	.00	.00	50.	*	4 APR 1900	92	.00	.00	.00
2 APR 1800	43	.00	.00	.00	44.	*	4 APR 2000	93	.00	.00	.00
2 APR 1900	44	.00	.00	.00	32.	*	4 APR 2100	94	.00	.00	.00
2 APR 2000	45	.00	.00	.00	19.	*	4 APR 2200	95	.00	.00	.00
2 APR 2100	46	.00	.00	.00	8.	*	4 APR 2300	96	.00	.00	.00
2 APR 2200	47	.00	.00	.00	2.	*	5 APR 0000	97	.00	.00	.00
2 APR 2300	48	.00	.00	.00	2.	*	5 APR 0100	98	.00	.00	.00
3 APR 0000	49	.00	.00	.00	1.	*	5 APR 0200	99	.00	.00	.00
3 APR 0100	50	.00	.00	.00	1.	*	5 APR 0300	100	.00	.00	.00

TOTAL RAINFALL = 1.13, TOTAL LOSS = .00, TOTAL EXCESS = 1.13

PEAK FLOW		TIME		MAXIMUM AVERAGE FLOW			
				6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)	(CFS)				
+	3331.	16.00	2468.	1007.	358.	260.	
			(INCHES)	.648	1.057	1.127	1.127
			(AC-FT)	1224.	1997.	2128.	2128.

CUMULATIVE AREA = 35.42 SQ MI

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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 .75 BASIN TOTAL PRECIPITATION

95 PI INCREMENTAL PRECIPITATION PATTERN
 .00 .01 .01 .01 .01 .01 .02 .02 .03 .04
 .03 .03 .17 .23 .19 .14 .01 .01 .01 .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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								SJR_10-yr.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	.00	.00	.00	17.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.01	.00	.01	23.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	31.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	41.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	51.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	62.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	77.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.02	.00	.02	98.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.03	.00	.03	130.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.02	.00	.02	146.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.02	.00	.02	150.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.13	.00	.13	372.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.17	.00	.17	701.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.15	.00	.15	837.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.11	.00	.11	793.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.01	.00	.01	554.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	340.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	251.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	195.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	160.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	135.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	119.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	106.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	89.	*	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	59.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	49.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	39.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	30.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	23.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	18.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	17.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	16.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	13.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	10.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	6.	*	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.

SJR_10-yr.out

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TOTAL RAINFALL = .75, TOTAL LOSS = .00, TOTAL EXCESS = .75

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)					
+	837.	15.00	(CFS)	589.	233.	81.	59.
			(INCHES)	.454	.717	.750	.750
			(AC-FT)	292.	462.	483.	483.
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	5694.	*	3	APR	0200	51	580.	*	4	APR	0300	76	4.
1	APR	0100	2	7.	*	2	APR	0200	27	4995.	*	3	APR	0300	52	542.	*	4	APR	0400	77	3.
1	APR	0200	3	49.	*	2	APR	0300	28	4382.	*	3	APR	0400	53	516.	*	4	APR	0500	78	3.
1	APR	0300	4	150.	*	2	APR	0400	29	3843.	*	3	APR	0500	54	476.	*	4	APR	0600	79	2.
1	APR	0400	5	313.	*	2	APR	0500	30	3375.	*	3	APR	0600	55	413.	*	4	APR	0700	80	1.
1	APR	0500	6	527.	*	2	APR	0600	31	2983.	*	3	APR	0700	56	341.	*	4	APR	0800	81	0.
1	APR	0600	7	753.	*	2	APR	0700	32	2651.	*	3	APR	0800	57	279.	*	4	APR	0900	82	0.
1	APR	0700	8	987.	*	2	APR	0800	33	2369.	*	3	APR	0900	58	238.	*	4	APR	1000	83	0.
1	APR	0800	9	1245.	*	2	APR	0900	34	2147.	*	3	APR	1000	59	218.	*	4	APR	1100	84	0.
1	APR	0900	10	1554.	*	2	APR	1000	35	1965.	*	3	APR	1100	60	208.	*	4	APR	1200	85	0.

SJRW10-yr.out

1 APR 1000	11	1939.	*	2 APR 1100	36	1817.	*	3 APR 1200	61	201.	*	4 APR 1300	86	0.
1 APR 1100	12	2659.	*	2 APR 1200	37	1685.	*	3 APR 1300	62	197.	*	4 APR 1400	87	0.
1 APR 1200	13	3682.	*	2 APR 1300	38	1563.	*	3 APR 1400	63	193.	*	4 APR 1500	88	0.
1 APR 1300	14	4918.	*	2 APR 1400	39	1460.	*	3 APR 1500	64	189.	*	4 APR 1600	89	0.
1 APR 1400	15	7228.	*	2 APR 1500	40	1371.	*	3 APR 1600	65	186.	*	4 APR 1700	90	0.
1 APR 1500	16	11365.	*	2 APR 1600	41	1282.	*	3 APR 1700	66	181.	*	4 APR 1800	91	0.
1 APR 1600	17	16776.	*	2 APR 1700	42	1200.	*	3 APR 1800	67	174.	*	4 APR 1900	92	0.
1 APR 1700	18	21560.	*	2 APR 1800	43	1124.	*	3 APR 1900	68	166.	*	4 APR 2000	93	0.
1 APR 1800	19	23036.	*	2 APR 1900	44	1043.	*	3 APR 2000	69	157.	*	4 APR 2100	94	0.
1 APR 1900	20	20663.	*	2 APR 2000	45	954.	*	3 APR 2100	70	139.	*	4 APR 2200	95	0.
1 APR 2000	21	16388.	*	2 APR 2100	46	866.	*	3 APR 2200	71	106.	*	4 APR 2300	96	0.
1 APR 2100	22	12166.	*	2 APR 2200	47	792.	*	3 APR 2300	72	66.	*	5 APR 0000	97	0.
1 APR 2200	23	9316.	*	2 APR 2300	48	736.	*	4 APR 0000	73	32.	*	5 APR 0100	98	0.
1 APR 2300	24	7635.	*	3 APR 0000	49	683.	*	4 APR 0100	74	12.	*	5 APR 0200	99	0.
2 APR 0000	25	6532.	*	3 APR 0100	50	630.	*	4 APR 0200	75	6.	*	5 APR 0300	100	0.

PEAK FLOW	TIME		MAXIMUM	AVERAGE FLOW	
			6-HR	24-HR	72-HR
+	(CFS)	(HR)			
		(CFS)			
+	23036.	18.00	18365.	8263.	3179.
		(INCHES)	.582	1.048	1.210
		(AC-FT)	9106.	16390.	18914.

CUMULATIVE AREA = 293.13 SQ MI

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

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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

TAREA 5.64 SUBBASIN AREA

PRECIPITATION DATA

112 PB STORM .83 BASIN TOTAL PRECIPITATION

114 PI INCREMENTAL PRECIPITATION PATTERN

.00	.01	.01	.01	.01	.01	.02	.02	.02	.03
.04	.04	.14	.25	.19	.16	.03	.01	.01	.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	.00	.00	.00	4.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	8.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.01	.00	.01	14.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	18.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	22.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	26.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	33.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	40.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.02	.00	.02	52.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.03	.00	.03	69.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.03	.00	.03	84.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.03	.00	.03	90.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.11	.00	.11	223.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.20	.00	.20	432.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.15	.00	.15	462.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.13	.00	.13	439.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.02	.00	.02	276.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	169.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	121.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	94.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	75.	*	3	APR	2300	72	.00	.00	.00	0.

							SJR_10-yr.out						
1 APR 2200	23	.00	.00	.00	62.	*	4 APR 0000	73	.00	.00	.00	0.	
1 APR 2300	24	.00	.00	.00	52.	*	4 APR 0100	74	.00	.00	.00	0.	
2 APR 0000	25	.00	.00	.00	43.	*	4 APR 0200	75	.00	.00	.00	0.	
2 APR 0100	26	.00	.00	.00	31.	*	4 APR 0300	76	.00	.00	.00	0.	
2 APR 0200	27	.00	.00	.00	21.	*	4 APR 0400	77	.00	.00	.00	0.	
2 APR 0300	28	.00	.00	.00	15.	*	4 APR 0500	78	.00	.00	.00	0.	
2 APR 0400	29	.00	.00	.00	12.	*	4 APR 0600	79	.00	.00	.00	0.	
2 APR 0500	30	.00	.00	.00	10.	*	4 APR 0700	80	.00	.00	.00	0.	
2 APR 0600	31	.00	.00	.00	6.	*	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	1.	*	4 APR 1000	83	.00	.00	.00	0.	
2 APR 0900	34	.00	.00	.00	1.	*	4 APR 1100	84	.00	.00	.00	0.	
2 APR 1000	35	.00	.00	.00	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.	*	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 = .83, TOTAL LOSS = .00, TOTAL EXCESS = .83

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
			(CFS)			
+	462.	15.00	327.	123.	42.	30.
			(INCHES)	.539	.810	.827
			(AC-FT)	162.	244.	249.

CUMULATIVE AREA = 5.64 SQ MI

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128 KK C

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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	5725.	*	3	APR	0200	51	580.	*	4	APR	0300	76	4.	*
1	APR	0100	2	11.	*	2	APR	0200	27	5016.	*	3	APR	0300	52	542.	*	4	APR	0400	77	3.	*
1	APR	0200	3	57.	*	2	APR	0300	28	4398.	*	3	APR	0400	53	516.	*	4	APR	0500	78	3.	*
1	APR	0300	4	165.	*	2	APR	0400	29	3856.	*	3	APR	0500	54	476.	*	4	APR	0600	79	2.	*
1	APR	0400	5	330.	*	2	APR	0500	30	3385.	*	3	APR	0600	55	413.	*	4	APR	0700	80	1.	*
1	APR	0500	6	549.	*	2	APR	0600	31	2990.	*	3	APR	0700	56	341.	*	4	APR	0800	81	0.	*
1	APR	0600	7	779.	*	2	APR	0700	32	2654.	*	3	APR	0800	57	279.	*	4	APR	0900	82	0.	*
1	APR	0700	8	1019.	*	2	APR	0800	33	2370.	*	3	APR	0900	58	238.	*	4	APR	1000	83	0.	*
1	APR	0800	9	1285.	*	2	APR	0900	34	2148.	*	3	APR	1000	59	218.	*	4	APR	1100	84	0.	*
1	APR	0900	10	1606.	*	2	APR	1000	35	1966.	*	3	APR	1100	60	208.	*	4	APR	1200	85	0.	*
1	APR	1000	11	2008.	*	2	APR	1100	36	1817.	*	3	APR	1200	61	201.	*	4	APR	1300	86	0.	*
1	APR	1100	12	2743.	*	2	APR	1200	37	1685.	*	3	APR	1300	62	197.	*	4	APR	1400	87	0.	*
1	APR	1200	13	3772.	*	2	APR	1300	38	1563.	*	3	APR	1400	63	193.	*	4	APR	1500	88	0.	*
1	APR	1300	14	5141.	*	2	APR	1400	39	1460.	*	3	APR	1500	64	189.	*	4	APR	1600	89	0.	*
1	APR	1400	15	7660.	*	2	APR	1500	40	1371.	*	3	APR	1600	65	186.	*	4	APR	1700	90	0.	*
1	APR	1500	16	11827.	*	2	APR	1600	41	1282.	*	3	APR	1700	66	181.	*	4	APR	1800	91	0.	*
1	APR	1600	17	17215.	*	2	APR	1700	42	1200.	*	3	APR	1800	67	174.	*	4	APR	1900	92	0.	*
1	APR	1700	18	21836.	*	2	APR	1800	43	1124.	*	3	APR	1900	68	166.	*	4	APR	2000	93	0.	*
1	APR	1800	19	23205.	*	2	APR	1900	44	1043.	*	3	APR	2000	69	157.	*	4	APR	2100	94	0.	*
1	APR	1900	20	20784.	*	2	APR	2000	45	954.	*	3	APR	2100	70	139.	*	4	APR	2200	95	0.	*
1	APR	2000	21	16482.	*	2	APR	2100	46	866.	*	3	APR	2200	71	106.	*	4	APR	2300	96	0.	*
1	APR	2100	22	12241.	*	2	APR	2200	47	792.	*	3	APR	2300	72	66.	*	5	APR	0000	97	0.	*
1	APR	2200	23	9379.	*	2	APR	2300	48	736.	*	4	APR	0000	73	32.	*	5	APR	0100	98	0.	*
1	APR	2300	24	7687.	*	3	APR	0000	49	683.	*	4	APR	0100	74	12.	*	5	APR	0200	99	0.	*
2	APR	0000	25	6575.	*	3	APR	0100	50	630.	*	4	APR	0200	75	6.	*	5	APR	0300	100	0.	*

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)		6-HR	24-HR	72-HR	99.00-HR
23205.	18.00	(CFS)	18593.	8378.	3220.	2342.
		(INCHES)	.579	1.043	1.203	1.203

SJR_10-yr.out
(AC-FT) 9219. 16618. 19162. 19165.

CUMULATIVE AREA = 298.77 SQ MI

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

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* *
132 KK * 8 * SUBAREA 8
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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 .63 BASIN TOTAL PRECIPITATION

137 PI INCREMENTAL PRECIPITATION PATTERN
.00 .01 .01 .01 .01 .02 .02 .02 .03 .04
.04 .04 .12 .25 .17 .13 .02 .01 .01 .01
.01 .01 .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

SJR_10-yr.out
HYDROGRAPH AT STATION 8

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	9.	*	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	24.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	33.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	41.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	47.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	57.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	70.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.02	.00	.02	92.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.03	.00	.03	119.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.02	.00	.02	130.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.03	.00	.03	137.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.07	.00	.07	277.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.16	.00	.16	568.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.11	.00	.11	585.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.09	.00	.09	532.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.01	.00	.01	326.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	209.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	152.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	120.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	100.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	84.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	69.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	56.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	38.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	26.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	19.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	16.	*	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	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	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.

							SJR_10-yr.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 = .63, TOTAL LOSS = .00, TOTAL EXCESS = .63

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW		
(CFS)	(HR)			24-HR	72-HR	99.00-HR
+		(CFS)				
+	585.	15.00	410.	162.	55.	40.
		(INCHES)	.392	.619	.634	.634
		(AC-FT)	203.	321.	329.	329.

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	5763.	*	3	APR	0200	51	580.	*	4	APR	0300	76	4.
1	APR	0100	2	19.	*	2	APR	0200	27	5042.	*	3	APR	0300	52	542.	*	4	APR	0400	77	3.
1	APR	0200	3	75.	*	2	APR	0300	28	4416.	*	3	APR	0400	53	516.	*	4	APR	0500	78	3.
1	APR	0300	4	189.	*	2	APR	0400	29	3871.	*	3	APR	0500	54	476.	*	4	APR	0600	79	2.
1	APR	0400	5	363.	*	2	APR	0500	30	3396.	*	3	APR	0600	55	413.	*	4	APR	0700	80	1.
1	APR	0500	6	590.	*	2	APR	0600	31	2997.	*	3	APR	0700	56	341.	*	4	APR	0800	81	0.

SJRW_10-yr.out

1 APR 0600	7	826.	*	2 APR 0700	32	2658.	*	3 APR 0800	57	279.	*	4 APR 0900	82	0.
1 APR 0700	8	1077.	*	2 APR 0800	33	2372.	*	3 APR 0900	58	238.	*	4 APR 1000	83	0.
1 APR 0800	9	1355.	*	2 APR 0900	34	2149.	*	3 APR 1000	59	218.	*	4 APR 1100	84	0.
1 APR 0900	10	1698.	*	2 APR 1000	35	1967.	*	3 APR 1100	60	208.	*	4 APR 1200	85	0.
1 APR 1000	11	2127.	*	2 APR 1100	36	1818.	*	3 APR 1200	61	201.	*	4 APR 1300	86	0.
1 APR 1100	12	2872.	*	2 APR 1200	37	1685.	*	3 APR 1300	62	197.	*	4 APR 1400	87	0.
1 APR 1200	13	3909.	*	2 APR 1300	38	1563.	*	3 APR 1400	63	193.	*	4 APR 1500	88	0.
1 APR 1300	14	5417.	*	2 APR 1400	39	1460.	*	3 APR 1500	64	189.	*	4 APR 1600	89	0.
1 APR 1400	15	8228.	*	2 APR 1500	40	1371.	*	3 APR 1600	65	186.	*	4 APR 1700	90	0.
1 APR 1500	16	12412.	*	2 APR 1600	41	1282.	*	3 APR 1700	66	181.	*	4 APR 1800	91	0.
1 APR 1600	17	17747.	*	2 APR 1700	42	1200.	*	3 APR 1800	67	174.	*	4 APR 1900	92	0.
1 APR 1700	18	22161.	*	2 APR 1800	43	1124.	*	3 APR 1900	68	166.	*	4 APR 2000	93	0.
1 APR 1800	19	23414.	*	2 APR 1900	44	1043.	*	3 APR 2000	69	157.	*	4 APR 2100	94	0.
1 APR 1900	20	20936.	*	2 APR 2000	45	954.	*	3 APR 2100	70	139.	*	4 APR 2200	95	0.
1 APR 2000	21	16602.	*	2 APR 2100	46	866.	*	3 APR 2200	71	106.	*	4 APR 2300	96	0.
1 APR 2100	22	12341.	*	2 APR 2200	47	792.	*	3 APR 2300	72	66.	*	5 APR 0000	97	0.
1 APR 2200	23	9462.	*	2 APR 2300	48	736.	*	4 APR 0000	73	32.	*	5 APR 0100	98	0.
1 APR 2300	24	7756.	*	3 APR 0000	49	683.	*	4 APR 0100	74	12.	*	5 APR 0200	99	0.
2 APR 0000	25	6631.	*	3 APR 0100	50	630.	*	4 APR 0200	75	6.	*	5 APR 0300	100	0.

PEAK FLOW	TIME		MAXIMUM	AVERAGE FLOW	
+	(CFS)	(HR)	6-HR	24-HR	72-HR
+	23414.	18.00	18873.	8525.	3276.
		(CFS)			
		(INCHES)	.569	1.028	1.185
		(AC-FT)	9358.	16909.	19491.

CUMULATIVE AREA = 308.50 SQ MI

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

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 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

SUBBASIN RUNOFF DATA

157 BA SUBBASIN CHARACTERISTICS
TAREA 43.98 SUBBASIN AREA

PRECIPITATION DATA

158 PB STORM .58 BASIN TOTAL PRECIPITATION

160 PI INCREMENTAL PRECIPITATION PATTERN
.00 .01 .01 .01 .01 .01 .02 .02 .03 .04
.04 .04 .14 .24 .18 .14 .02 .01 .01 .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	25.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	53.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	82.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	110.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	140.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	167.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	212.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	258.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.02	.00	.02	338.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.02	.00	.02	440.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.02	.00	.02	480.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.02	.00	.02	513.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.08	.00	.08	1211.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.14	.00	.14	2225.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.11	.00	.11	2438.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.08	.00	.08	2241.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.01	.00	.01	1419.	*	3	APR	1900	68	.00	.00	.00	0.

						SJR_10-yr.out						
1 APR 1800	19	.01	.00	.01	901.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.00	.00	.00	653.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.00	.00	.00	508.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.00	.00	.00	418.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.00	.00	.00	351.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.00	.00	.00	298.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.00	.00	.00	254.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	195.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	141.	*	4 APR 0400	77	.00	.00	.00	0.
2 APR 0300	28	.00	.00	.00	101.	*	4 APR 0500	78	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	75.	*	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	53.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	40.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	25.	*	4 APR 1000	83	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	12.	*	4 APR 1100	84	.00	.00	.00	0.
2 APR 1000	35	.00	.00	.00	5.	*	4 APR 1200	85	.00	.00	.00	0.
2 APR 1100	36	.00	.00	.00	3.	*	4 APR 1300	86	.00	.00	.00	0.
2 APR 1200	37	.00	.00	.00	2.	*	4 APR 1400	87	.00	.00	.00	0.
2 APR 1300	38	.00	.00	.00	1.	*	4 APR 1500	88	.00	.00	.00	0.
2 APR 1400	39	.00	.00	.00	1.	*	4 APR 1600	89	.00	.00	.00	0.
2 APR 1500	40	.00	.00	.00	1.	*	4 APR 1700	90	.00	.00	.00	0.
2 APR 1600	41	.00	.00	.00	0.	*	4 APR 1800	91	.00	.00	.00	0.
2 APR 1700	42	.00	.00	.00	0.	*	4 APR 1900	92	.00	.00	.00	0.
2 APR 1800	43	.00	.00	.00	0.	*	4 APR 2000	93	.00	.00	.00	0.
2 APR 1900	44	.00	.00	.00	0.	*	4 APR 2100	94	.00	.00	.00	0.
2 APR 2000	45	.00	.00	.00	0.	*	4 APR 2200	95	.00	.00	.00	0.
2 APR 2100	46	.00	.00	.00	0.	*	4 APR 2300	96	.00	.00	.00	0.
2 APR 2200	47	.00	.00	.00	0.	*	5 APR 0000	97	.00	.00	.00	0.
2 APR 2300	48	.00	.00	.00	0.	*	5 APR 0100	98	.00	.00	.00	0.
3 APR 0000	49	.00	.00	.00	0.	*	5 APR 0200	99	.00	.00	.00	0.
3 APR 0100	50	.00	.00	.00	0.	*	5 APR 0300	100	.00	.00	.00	0.
						*						

TOTAL RAINFALL = .58, TOTAL LOSS = .00, TOTAL EXCESS = .58

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	2438.	15.00	1707.	667.	229.	166.
		(INCHES)	.361	.564	.580	.580
		(AC-FT)	846.	1323.	1360.	1360.

CUMULATIVE AREA = 43.98 SQ MI

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169 KK *****
 * *
 * E *
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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	5958.	*	3	APR	0200	51	580.	*	4	APR	0300	76	4.	*
1	APR	0100	2	45.	*	2	APR	0200	27	5183.	*	3	APR	0300	52	542.	*	4	APR	0400	77	3.	*
1	APR	0200	3	128.	*	2	APR	0300	28	4517.	*	3	APR	0400	53	516.	*	4	APR	0500	78	3.	*
1	APR	0300	4	271.	*	2	APR	0400	29	3947.	*	3	APR	0500	54	476.	*	4	APR	0600	79	2.	*
1	APR	0400	5	473.	*	2	APR	0500	30	3457.	*	3	APR	0600	55	413.	*	4	APR	0700	80	1.	*
1	APR	0500	6	730.	*	2	APR	0600	31	3050.	*	3	APR	0700	56	341.	*	4	APR	0800	81	0.	*
1	APR	0600	7	992.	*	2	APR	0700	32	2698.	*	3	APR	0800	57	279.	*	4	APR	0900	82	0.	*
1	APR	0700	8	1288.	*	2	APR	0800	33	2397.	*	3	APR	0900	58	238.	*	4	APR	1000	83	0.	*
1	APR	0800	9	1614.	*	2	APR	0900	34	2161.	*	3	APR	1000	59	218.	*	4	APR	1100	84	0.	*
1	APR	0900	10	2036.	*	2	APR	1000	35	1971.	*	3	APR	1100	60	208.	*	4	APR	1200	85	0.	*
1	APR	1000	11	2568.	*	2	APR	1100	36	1821.	*	3	APR	1200	61	201.	*	4	APR	1300	86	0.	*
1	APR	1100	12	3353.	*	2	APR	1200	37	1687.	*	3	APR	1300	62	197.	*	4	APR	1400	87	0.	*
1	APR	1200	13	4422.	*	2	APR	1300	38	1565.	*	3	APR	1400	63	193.	*	4	APR	1500	88	0.	*
1	APR	1300	14	6629.	*	2	APR	1400	39	1461.	*	3	APR	1500	64	189.	*	4	APR	1600	89	0.	*
1	APR	1400	15	10453.	*	2	APR	1500	40	1371.	*	3	APR	1600	65	186.	*	4	APR	1700	90	0.	*
1	APR	1500	16	14850.	*	2	APR	1600	41	1283.	*	3	APR	1700	66	181.	*	4	APR	1800	91	0.	*
1	APR	1600	17	19987.	*	2	APR	1700	42	1201.	*	3	APR	1800	67	174.	*	4	APR	1900	92	0.	*
1	APR	1700	18	23581.	*	2	APR	1800	43	1125.	*	3	APR	1900	68	166.	*	4	APR	2000	93	0.	*
1	APR	1800	19	24315.	*	2	APR	1900	44	1043.	*	3	APR	2000	69	157.	*	4	APR	2100	94	0.	*
1	APR	1900	20	21589.	*	2	APR	2000	45	954.	*	3	APR	2100	70	139.	*	4	APR	2200	95	0.	*
1	APR	2000	21	17110.	*	2	APR	2100	46	866.	*	3	APR	2200	71	106.	*	4	APR	2300	96	0.	*
1	APR	2100	22	12759.	*	2	APR	2200	47	792.	*	3	APR	2300	72	66.	*	5	APR	0000	97	0.	*
1	APR	2200	23	9814.	*	2	APR	2300	48	736.	*	4	APR	0000	73	32.	*	5	APR	0100	98	0.	*
1	APR	2300	24	8054.	*	3	APR	0000	49	683.	*	4	APR	0100	74	12.	*	5	APR	0200	99	0.	*
2	APR	0000	25	6885.	*	3	APR	0100	50	630.	*	4	APR	0200	75	6.	*	5	APR	0300	100	0.	*

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

+	(CFS)	(HR)				
			(CFS)			
+	24315.	18.00		20064.	9153.	3504.
			(INCHES)	.529	.966	1.109
			(AC-FT)	9949.	18155.	20850.
						20854.

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

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*                                     *
173 KK      *      E-F      *      ROUTE
*                                     *
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179 RS	STORAGE ROUTING	3	NUMBER OF SUBREACHES								
	NSTPS	STOR	TYPE OF INITIAL CONDITION								
	ITYP	-1.00	INITIAL CONDITION								
	RSVRIC	.00	WORKING R AND D COEFFICIENT								
	X										
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.				

						*							*						
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	5688.	3142.65	*	3	APR	2000	69	683.	1904.05

SJR_10-yr.out

1 APR 0100	2	0.	.00	*	2 APR 1100	36	4943.	3009.43	*	3 APR 2100	70	660.	1891.69
1 APR 0200	3	0.	.00	*	2 APR 1200	37	4336.	2901.10	*	3 APR 2200	71	638.	1880.10
1 APR 0300	4	0.	.01	*	2 APR 1300	38	3861.	2810.09	*	3 APR 2300	72	618.	1869.57
1 APR 0400	5	0.	.03	*	2 APR 1400	39	3499.	2729.85	*	4 APR 0000	73	600.	1860.34
1 APR 0500	6	0.	.08	*	2 APR 1500	40	3174.	2657.75	*	4 APR 0100	74	585.	1852.30
1 APR 0600	7	0.	.19	*	2 APR 1600	41	2886.	2593.98	*	4 APR 0200	75	572.	1845.26
1 APR 0700	8	0.	.37	*	2 APR 1700	42	2634.	2538.04	*	4 APR 0300	76	560.	1839.06
1 APR 0800	9	0.	.69	*	2 APR 1800	43	2420.	2490.44	*	4 APR 0400	77	550.	1833.57
1 APR 0900	10	0.	1.19	*	2 APR 1900	44	2241.	2450.70	*	4 APR 0500	78	540.	1828.68
1 APR 1000	11	1.	1.93	*	2 APR 2000	45	2086.	2416.49	*	4 APR 0600	79	532.	1824.29
1 APR 1100	12	1.	2.99	*	2 APR 2100	46	1964.	2385.62	*	4 APR 0700	80	525.	1820.31
1 APR 1200	13	1.	4.48	*	2 APR 2200	47	1872.	2355.64	*	4 APR 0800	81	518.	1816.69
1 APR 1300	14	2.	6.54	*	2 APR 2300	48	1780.	2325.48	*	4 APR 0900	82	511.	1813.35
1 APR 1400	15	3.	9.81	*	3 APR 0000	49	1687.	2295.41	*	4 APR 1000	83	506.	1810.26
1 APR 1500	16	5.	16.92	*	3 APR 0100	50	1597.	2265.82	*	4 APR 1100	84	500.	1807.36
1 APR 1600	17	9.	33.50	*	3 APR 0200	51	1509.	2237.14	*	4 APR 1200	85	499.	1804.44
1 APR 1700	18	20.	74.08	*	3 APR 0300	52	1424.	2209.67	*	4 APR 1300	86	498.	1801.31
1 APR 1800	19	78.	282.11	*	3 APR 0400	53	1344.	2183.55	*	4 APR 1400	87	497.	1797.95
1 APR 1900	20	230.	831.67	*	3 APR 0500	54	1269.	2159.10	*	4 APR 1500	88	496.	1794.38
1 APR 2000	21	463.	1672.53	*	3 APR 0600	55	1201.	2136.91	*	4 APR 1600	89	495.	1790.59
1 APR 2100	22	2850.	2585.93	*	3 APR 0700	56	1140.	2116.95	*	4 APR 1700	90	494.	1786.57
1 APR 2200	23	6928.	3334.76	*	3 APR 0800	57	1084.	2098.60	*	4 APR 1800	91	493.	1782.33
1 APR 2300	24	9404.	3843.85	*	3 APR 0900	58	1031.	2081.38	*	4 APR 1900	92	492.	1777.87
2 APR 0000	25	10706.	4177.68	*	3 APR 1000	59	987.	2064.65	*	4 APR 2000	93	491.	1773.19
2 APR 0100	26	11463.	4375.90	*	3 APR 1100	60	955.	2047.60	*	4 APR 2100	94	489.	1768.30
2 APR 0200	27	11783.	4459.56	*	3 APR 1200	61	922.	2030.03	*	4 APR 2200	95	488.	1763.18
2 APR 0300	28	11747.	4450.03	*	3 APR 1300	62	888.	2012.38	*	4 APR 2300	96	486.	1757.85
2 APR 0400	29	11424.	4365.54	*	3 APR 1400	63	855.	1994.95	*	5 APR 0000	97	485.	1752.31
2 APR 0500	30	10868.	4220.23	*	3 APR 1500	64	823.	1977.99	*	5 APR 0100	98	483.	1746.55
2 APR 0600	31	10123.	4025.14	*	3 APR 1600	65	792.	1961.65	*	5 APR 0200	99	482.	1740.59
2 APR 0700	32	9176.	3786.82	*	3 APR 1700	66	763.	1946.04	*	5 APR 0300	100	480.	1734.42
2 APR 0800	33	8162.	3532.97	*	3 APR 1800	67	735.	1931.22	*				
2 APR 0900	34	6777.	3312.52	*	3 APR 1900	68	708.	1917.22	*				

PEAK FLOW	TIME		MAXIMUM	AVERAGE FLOW	
+	(CFS)	(HR)	6-HR	24-HR	72-HR
+	11783.	26.00	11283.	6614.	2778.
		(CFS)			
		(INCHES)	.298	.698	.879
		(AC-FT)	5595.	13119.	16533.
					16862.

PEAK STORAGE	TIME		MAXIMUM	AVERAGE STORAGE	
+	(AC-FT)	(HR)	6-HR	24-HR	72-HR
+	4460.	26.00	4329.	3338.	2424.
					1908.

CUMULATIVE AREA = 352.48 SQ MI

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

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

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 * *
 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 .64 BASIN TOTAL PRECIPITATION

190 PI INCREMENTAL PRECIPITATION PATTERN
 .00 .00 .01 .01 .01 .01 .02 .02 .03 .04
 .03 .04 .10 .26 .17 .17 .04 .01 .01 .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

SJR_10-yr.out

*													
1 APR 0000	1	.00	.00	.00	0.	*	3 APR 0200	51	.00	.00	.00	.00	0.
1 APR 0100	2	.00	.00	.00	8.	*	3 APR 0300	52	.00	.00	.00	.00	0.
1 APR 0200	3	.00	.00	.00	20.	*	3 APR 0400	53	.00	.00	.00	.00	0.
1 APR 0300	4	.00	.00	.00	34.	*	3 APR 0500	54	.00	.00	.00	.00	0.
1 APR 0400	5	.01	.00	.01	43.	*	3 APR 0600	55	.00	.00	.00	.00	0.
1 APR 0500	6	.01	.00	.01	59.	*	3 APR 0700	56	.00	.00	.00	.00	0.
1 APR 0600	7	.01	.00	.01	74.	*	3 APR 0800	57	.00	.00	.00	.00	0.
1 APR 0700	8	.01	.00	.01	92.	*	3 APR 0900	58	.00	.00	.00	.00	0.
1 APR 0800	9	.01	.00	.01	115.	*	3 APR 1000	59	.00	.00	.00	.00	0.
1 APR 0900	10	.02	.00	.02	148.	*	3 APR 1100	60	.00	.00	.00	.00	0.
1 APR 1000	11	.02	.00	.02	195.	*	3 APR 1200	61	.00	.00	.00	.00	0.
1 APR 1100	12	.02	.00	.02	217.	*	3 APR 1300	62	.00	.00	.00	.00	0.
1 APR 1200	13	.02	.00	.02	237.	*	3 APR 1400	63	.00	.00	.00	.00	0.
1 APR 1300	14	.07	.00	.07	461.	*	3 APR 1500	64	.00	.00	.00	.00	0.
1 APR 1400	15	.17	.00	.17	1102.	*	3 APR 1600	65	.00	.00	.00	.00	0.
1 APR 1500	16	.11	.00	.11	1099.	*	3 APR 1700	66	.00	.00	.00	.00	0.
1 APR 1600	17	.11	.00	.11	1101.	*	3 APR 1800	67	.00	.00	.00	.00	0.
1 APR 1700	18	.03	.00	.03	706.	*	3 APR 1900	68	.00	.00	.00	.00	0.
1 APR 1800	19	.00	.00	.00	421.	*	3 APR 2000	69	.00	.00	.00	.00	0.
1 APR 1900	20	.01	.00	.01	301.	*	3 APR 2100	70	.00	.00	.00	.00	0.
1 APR 2000	21	.00	.00	.00	230.	*	3 APR 2200	71	.00	.00	.00	.00	0.
1 APR 2100	22	.00	.00	.00	183.	*	3 APR 2300	72	.00	.00	.00	.00	0.
1 APR 2200	23	.00	.00	.00	150.	*	4 APR 0000	73	.00	.00	.00	.00	0.
1 APR 2300	24	.00	.00	.00	123.	*	4 APR 0100	74	.00	.00	.00	.00	0.
2 APR 0000	25	.00	.00	.00	100.	*	4 APR 0200	75	.00	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	71.	*	4 APR 0300	76	.00	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	49.	*	4 APR 0400	77	.00	.00	.00	.00	0.
2 APR 0300	28	.00	.00	.00	35.	*	4 APR 0500	78	.00	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	29.	*	4 APR 0600	79	.00	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	19.	*	4 APR 0700	80	.00	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	12.	*	4 APR 0800	81	.00	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	5.	*	4 APR 0900	82	.00	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	3.	*	4 APR 1000	83	.00	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	2.	*	4 APR 1100	84	.00	.00	.00	.00	0.
2 APR 1000	35	.00	.00	.00	1.	*	4 APR 1200	85	.00	.00	.00	.00	0.
2 APR 1100	36	.00	.00	.00	1.	*	4 APR 1300	86	.00	.00	.00	.00	0.
2 APR 1200	37	.00	.00	.00	0.	*	4 APR 1400	87	.00	.00	.00	.00	0.
2 APR 1300	38	.00	.00	.00	0.	*	4 APR 1500	88	.00	.00	.00	.00	0.
2 APR 1400	39	.00	.00	.00	0.	*	4 APR 1600	89	.00	.00	.00	.00	0.
2 APR 1500	40	.00	.00	.00	0.	*	4 APR 1700	90	.00	.00	.00	.00	0.
2 APR 1600	41	.00	.00	.00	0.	*	4 APR 1800	91	.00	.00	.00	.00	0.
2 APR 1700	42	.00	.00	.00	0.	*	4 APR 1900	92	.00	.00	.00	.00	0.
2 APR 1800	43	.00	.00	.00	0.	*	4 APR 2000	93	.00	.00	.00	.00	0.
2 APR 1900	44	.00	.00	.00	0.	*	4 APR 2100	94	.00	.00	.00	.00	0.
2 APR 2000	45	.00	.00	.00	0.	*	4 APR 2200	95	.00	.00	.00	.00	0.
2 APR 2100	46	.00	.00	.00	0.	*	4 APR 2300	96	.00	.00	.00	.00	0.
2 APR 2200	47	.00	.00	.00	0.	*	5 APR 0000	97	.00	.00	.00	.00	0.
2 APR 2300	48	.00	.00	.00	0.	*	5 APR 0100	98	.00	.00	.00	.00	0.
3 APR 0000	49	.00	.00	.00	0.	*	5 APR 0200	99	.00	.00	.00	.00	0.
3 APR 0100	50	.00	.00	.00	0.	*	5 APR 0300	100	.00	.00	.00	.00	0.
*													

SJR_10-yr.out

TOTAL RAINFALL = .64, TOTAL LOSS = .00, TOTAL EXCESS = .64

PEAK FLOW (CFS)	TIME (HR)		6-HR	MAXIMUM AVERAGE FLOW 24-HR	72-HR	99.00-HR
1102.	14.00	(CFS)	802.	305.	103.	75.
		(INCHES)	.416	.633	.645	.645
		(AC-FT)	398.	604.	616.	616.

CUMULATIVE AREA = 17.90 SQ MI

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*
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 .56 BASIN TOTAL PRECIPITATION

209 PI INCREMENTAL PRECIPITATION PATTERN

.00	.01	.01	.01	.01	.02	.02	.02	.03	.04
.04	.04	.08	.27	.15	.16	.03	.01	.01	.01
.01	.01	.01	.00	.00	.00				

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

SJR_10-yr.out

219 UI INPUT UNITGRAPH, 15 ORDINATES, VOLUME = 1.00

5318.0	2417.0	1164.0	735.0	482.0	381.0	309.0	246.0	192.0	149.0
85.6	54.3	54.3	54.3	34.1					

HYDROGRAPH AT STATION 11

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
								*								
								*								
								*								
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	9.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	28.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	37.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	53.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	64.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	79.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	99.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	121.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.02	.00	.02	150.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.02	.00	.02	198.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.02	.00	.02	219.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.02	.00	.02	242.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.04	.00	.04	357.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.15	.00	.15	975.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.08	.00	.08	899.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.09	.00	.09	934.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.02	.00	.02	578.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	354.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	257.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	199.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	164.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	135.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	113.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	85.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	61.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	41.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	31.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	23.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	14.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	8.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	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	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	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.

							SJR_10-yr.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 = .56, TOTAL LOSS = .00, TOTAL EXCESS = .56

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	(CFS)	6-HR	24-HR	72-HR	99.00-HR
+	975.	14.00	675.	267.	91.	66.
		(INCHES)	.346	.549	.560	.560
		(AC-FT)	334.	530.	540.	540.

CUMULATIVE AREA = 18.10 SQ MI

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 * *
 223 KK * F *
 * *

SPLIT

225 HC HYDROGRAPH COMBINATION
 ICOMP 3 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION F
 SUM OF 3 HYDROGRAPHS

 * * *

SJRW_10-yr.out																
DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1	APR	0000	1	0.	*	2	APR	0100	26	11595.	*	3	APR	0200	51	1509.
1	APR	0100	2	17.	*	2	APR	0200	27	11873.	*	3	APR	0300	52	1424.
1	APR	0200	3	48.	*	2	APR	0300	28	11813.	*	3	APR	0400	53	1344.
1	APR	0300	4	71.	*	2	APR	0400	29	11475.	*	3	APR	0500	54	1269.
1	APR	0400	5	96.	*	2	APR	0500	30	10902.	*	3	APR	0600	55	1201.
1	APR	0500	6	124.	*	2	APR	0600	31	10143.	*	3	APR	0700	56	1140.
1	APR	0600	7	153.	*	2	APR	0700	32	9185.	*	3	APR	0800	57	1084.
1	APR	0700	8	191.	*	2	APR	0800	33	8167.	*	3	APR	0900	58	1031.
1	APR	0800	9	236.	*	2	APR	0900	34	6780.	*	3	APR	1000	59	987.
1	APR	0900	10	299.	*	2	APR	1000	35	5690.	*	3	APR	1100	60	955.
1	APR	1000	11	394.	*	2	APR	1100	36	4944.	*	3	APR	1200	61	922.
1	APR	1100	12	436.	*	2	APR	1200	37	4337.	*	3	APR	1300	62	888.
1	APR	1200	13	481.	*	2	APR	1300	38	3861.	*	3	APR	1400	63	855.
1	APR	1300	14	820.	*	2	APR	1400	39	3499.	*	3	APR	1500	64	823.
1	APR	1400	15	2080.	*	2	APR	1500	40	3174.	*	3	APR	1600	65	792.
1	APR	1500	16	2003.	*	2	APR	1600	41	2886.	*	3	APR	1700	66	763.
1	APR	1600	17	2045.	*	2	APR	1700	42	2634.	*	3	APR	1800	67	735.
1	APR	1700	18	1305.	*	2	APR	1800	43	2420.	*	3	APR	1900	68	708.
1	APR	1800	19	853.	*	2	APR	1900	44	2241.	*	3	APR	2000	69	683.
1	APR	1900	20	788.	*	2	APR	2000	45	2086.	*	3	APR	2100	70	660.
1	APR	2000	21	891.	*	2	APR	2100	46	1964.	*	3	APR	2200	71	638.
1	APR	2100	22	3197.	*	2	APR	2200	47	1872.	*	3	APR	2300	72	618.
1	APR	2200	23	7214.	*	2	APR	2300	48	1780.	*	4	APR	0000	73	600.
1	APR	2300	24	9640.	*	3	APR	0000	49	1687.	*	4	APR	0100	74	585.
2	APR	0000	25	10892.	*	3	APR	0100	50	1597.	*	4	APR	0200	75	572.

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
11873.	26.00	11362.	6669.	2894.	2202.
(INCHES)		.272	.638	.831	.870
(AC-FT)		5634.	13227.	17219.	18018.

CUMULATIVE AREA = 388.48 SQ MI

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

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 * *
 227 KK * F-F1 * ROUTE
 * *

SJR_10-yr.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	8604.	1958.42	*	3	APR	2000	69	793.	413.28
1	APR	0100	2	1.	.65	*	2	APR	1100	36	7747.	1722.20	*	3	APR	2100	70	764.	404.42
1	APR	0200	3	5.	3.10	*	2	APR	1200	37	6613.	1512.35	*	3	APR	2200	71	737.	396.00
1	APR	0300	4	11.	7.35	*	2	APR	1300	38	5648.	1344.49	*	3	APR	2300	72	711.	388.04
1	APR	0400	5	20.	12.95	*	2	APR	1400	39	4820.	1216.08	*	4	APR	0000	73	687.	380.61
1	APR	0500	6	31.	19.93	*	2	APR	1500	40	4195.	1119.30	*	4	APR	0100	74	665.	373.74
1	APR	0600	7	44.	28.30	*	2	APR	1600	41	3721.	1042.60	*	4	APR	0200	75	644.	367.45
1	APR	0700	8	59.	38.29	*	2	APR	1700	42	3339.	978.97	*	4	APR	0300	76	626.	361.74
1	APR	0800	9	78.	50.29	*	2	APR	1800	43	3016.	925.20	*	4	APR	0400	77	609.	356.58
1	APR	0900	10	101.	65.04	*	2	APR	1900	44	2743.	879.77	*	4	APR	0500	78	594.	351.92
1	APR	1000	11	130.	84.13	*	2	APR	2000	45	2513.	841.38	*	4	APR	0600	79	580.	347.72
1	APR	1100	12	164.	106.26	*	2	APR	2100	46	2319.	809.09	*	4	APR	0700	80	568.	343.94
1	APR	1200	13	200.	129.11	*	2	APR	2200	47	2159.	782.56	*	4	APR	0800	81	557.	340.52
1	APR	1300	14	254.	164.08	*	2	APR	2300	48	2027.	760.46	*	4	APR	0900	82	547.	337.44
1	APR	1400	15	398.	256.97	*	3	APR	0000	49	1942.	739.74	*	4	APR	1000	83	538.	334.64
1	APR	1500	16	688.	380.84	*	3	APR	0100	50	1864.	718.16	*	4	APR	1100	84	530.	332.09
1	APR	1600	17	1004.	478.17	*	3	APR	0200	51	1784.	695.72	*	4	APR	1200	85	522.	329.91
1	APR	1700	18	1177.	526.44	*	3	APR	0300	52	1702.	672.87	*	4	APR	1300	86	517.	328.19
1	APR	1800	19	1152.	519.35	*	3	APR	0400	53	1620.	649.99	*	4	APR	1400	87	512.	326.80
1	APR	1900	20	1066.	495.49	*	3	APR	0500	54	1539.	627.44	*	4	APR	1500	88	509.	325.68
1	APR	2000	21	1008.	479.15	*	3	APR	0600	55	1461.	605.55	*	4	APR	1600	89	506.	324.75

SJ_10-yr.out													
1 APR 2100	22	1275.	553.73	*	3 APR 0700	56	1386.	584.66	*	4 APR 1700	90	503.	323.95
1 APR 2200	23	2445.	830.17	*	3 APR 0800	57	1315.	564.93	*	4 APR 1800	91	501.	323.27
1 APR 2300	24	4872.	1224.22	*	3 APR 0900	58	1249.	546.36	*	4 APR 1900	92	499.	322.63
2 APR 0000	25	6991.	1582.41	*	3 APR 1000	59	1187.	529.12	*	4 APR 2000	93	498.	321.99
2 APR 0100	26	8347.	1877.79	*	3 APR 1100	60	1131.	513.60	*	4 APR 2100	94	497.	321.33
2 APR 0200	27	9136.	2125.11	*	3 APR 1200	61	1081.	499.72	*	4 APR 2200	95	496.	320.64
2 APR 0300	28	9766.	2322.76	*	3 APR 1300	62	1036.	487.03	*	4 APR 2300	96	495.	319.91
2 APR 0400	29	10216.	2459.33	*	3 APR 1400	63	994.	475.19	*	5 APR 0000	97	494.	319.16
2 APR 0500	30	10456.	2529.74	*	3 APR 1500	64	957.	463.91	*	5 APR 0100	98	493.	318.38
2 APR 0600	31	10473.	2534.50	*	3 APR 1600	65	922.	453.00	*	5 APR 0200	99	492.	317.56
2 APR 0700	32	10273.	2475.94	*	3 APR 1700	66	888.	442.46	*	5 APR 0300	100	490.	316.72
2 APR 0800	33	9885.	2360.01	*	3 APR 1800	67	855.	432.32	*				
2 APR 0900	34	9324.	2183.92	*	3 APR 1900	68	823.	422.59	*				

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	10473.	30.00	10141.	6555.	2867.	2163.
		(INCHES)	.243	.628	.823	.854
		(AC-FT)	5029.	13002.	17058.	17701.

PEAK STORAGE	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(AC-FT)	(HR)				
	2535.	30.00	2435.	1618.	858.	674.

CUMULATIVE AREA = 388.48 SQ MI

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

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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

SJR_10-yr.out

	NSTPS	1	NUMBER OF SUBREACHES								
	ITYP	STOR	TYPE OF INITIAL CONDITION								
	RSVRIC	-1.00	INITIAL CONDITION								
	X	.00	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	8706.	3466.81	*	3	APR	2000	69	949.	404.06
1	APR	0100	2	0.	.04	*	2	APR	1100	36	8611.	3426.91	*	3	APR	2100	70	909.	391.64
1	APR	0200	3	0.	.26	*	2	APR	1200	37	8354.	3319.27	*	3	APR	2200	71	872.	380.08
1	APR	0300	4	2.	.84	*	2	APR	1300	38	7956.	3151.98	*	3	APR	2300	72	837.	369.28
1	APR	0400	5	4.	1.92	*	2	APR	1400	39	7476.	2946.89	*	4	APR	0000	73	805.	359.19
1	APR	0500	6	7.	3.59	*	2	APR	1500	40	6953.	2723.21	*	4	APR	0100	74	775.	349.76
1	APR	0600	7	11.	5.93	*	2	APR	1600	41	6425.	2497.57	*	4	APR	0200	75	747.	340.98
1	APR	0700	8	17.	9.02	*	2	APR	1700	42	5913.	2279.50	*	4	APR	0300	76	721.	332.83
1	APR	0800	9	25.	12.97	*	2	APR	1800	43	5422.	2073.72	*	4	APR	0400	77	696.	325.30
1	APR	0900	10	34.	17.93	*	2	APR	1900	44	4966.	1882.42	*	4	APR	0500	78	674.	318.36
1	APR	1000	11	46.	24.17	*	2	APR	2000	45	4547.	1706.50	*	4	APR	0600	79	654.	312.00
1	APR	1100	12	61.	31.96	*	2	APR	2100	46	4165.	1546.16	*	4	APR	0700	80	635.	306.18
1	APR	1200	13	78.	41.28	*	2	APR	2200	47	3795.	1402.31	*	4	APR	0800	81	618.	300.87
1	APR	1300	14	100.	52.68	*	2	APR	2300	48	3447.	1276.06	*	4	APR	0900	82	603.	296.03
1	APR	1400	15	133.	70.01	*	3	APR	0000	49	3149.	1167.49	*	4	APR	1000	83	589.	291.63
1	APR	1500	16	192.	101.45	*	3	APR	0100	50	2894.	1075.07	*	4	APR	1100	84	576.	287.62
1	APR	1600	17	287.	151.57	*	3	APR	0200	51	2676.	995.66	*	4	APR	1200	85	564.	283.99
1	APR	1700	18	404.	213.16	*	3	APR	0300	52	2485.	926.43	*	4	APR	1300	86	554.	280.75
1	APR	1800	19	523.	271.12	*	3	APR	0400	53	2317.	865.26	*	4	APR	1400	87	545.	277.90
1	APR	1900	20	660.	313.90	*	3	APR	0500	54	2167.	810.53	*	4	APR	1500	88	537.	275.41
1	APR	2000	21	748.	341.42	*	3	APR	0600	55	2030.	761.07	*	4	APR	1600	89	530.	273.27
1	APR	2100	22	840.	370.11	*	3	APR	0700	56	1898.	716.36	*	4	APR	1700	90	524.	271.42
1	APR	2200	23	1075.	444.72	*	3	APR	0800	57	1776.	676.15	*	4	APR	1800	91	519.	269.83
1	APR	2300	24	1650.	634.51	*	3	APR	0900	58	1666.	639.84	*	4	APR	1900	92	514.	268.48
2	APR	0000	25	2553.	951.07	*	3	APR	1000	59	1566.	606.90	*	4	APR	2000	93	511.	267.35
2	APR	0100	26	3598.	1330.72	*	3	APR	1100	60	1476.	576.98	*	4	APR	2100	94	508.	266.42
2	APR	0200	27	4569.	1715.70	*	3	APR	1200	61	1393.	549.85	*	4	APR	2200	95	505.	265.62

SJRW_10-yr.out													
2 APR 0300	28	5445.	2083.00	*	3 APR 1300	62	1319.	525.26	*	4 APR 2300	96	503.	264.94
2 APR 0400	29	6256.	2425.25	*	3 APR 1400	63	1251.	502.94	*	5 APR 0000	97	501.	264.33
2 APR 0500	30	6975.	2732.77	*	3 APR 1500	64	1190.	482.70	*	5 APR 0100	98	500.	263.76
2 APR 0600	31	7590.	2995.76	*	3 APR 1600	65	1134.	464.32	*	5 APR 0200	99	498.	263.20
2 APR 0700	32	8082.	3205.40	*	3 APR 1700	66	1083.	447.48	*	5 APR 0300	100	497.	262.62
2 APR 0800	33	8441.	3355.62	*	3 APR 1800	67	1036.	431.92	*				
2 APR 0900	34	8650.	3443.16	*	3 APR 1900	68	992.	417.46	*				

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
+	8706.	34.00				
		(CFS)	8463.	6216.	2844.	2131.
		(INCHES)	.203	.595	.817	.842
		(AC-FT)	4197.	12330.	16925.	17439.

PEAK STORAGE	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(AC-FT)	(HR)				
	3467.	34.00	3365.	2419.	1125.	851.

CUMULATIVE AREA = 388.48 SQ MI

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

*** **

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

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

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

SUBBASIN RUNOFF DATA

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

PRECIPITATION DATA

253 PB STORM .51 BASIN TOTAL PRECIPITATION

255 PI INCREMENTAL PRECIPITATION PATTERN

.00	.01	.01	.01	.02	.02	.02	.02	.03	.04
.04	.05	.07	.27	.14	.16	.03	.01	.01	.01
.01	.01	.01	.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	8.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	24.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	30.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	43.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	55.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	65.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	76.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	93.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.02	.00	.02	121.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.02	.00	.02	157.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.02	.00	.02	172.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.02	.00	.02	183.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.04	.00	.04	263.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.14	.00	.14	807.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.07	.00	.07	666.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.08	.00	.08	659.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.01	.00	.01	295.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	122.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	60.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	40.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	32.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	26.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	25.	*	4	APR	0100	74	.00	.00	.00	0.

SJ_10-yr.out												
2 APR 0000	25	.00	.00	.00	19.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	12.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	4.	*	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 = .51, TOTAL LOSS = .00, TOTAL EXCESS = .51

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR	
+	(CFS)	(HR)					
+	807.	14.00	(CFS)	474.	168.	56.	41.
			(INCHES)	.359	.511	.513	.513
			(AC-FT)	235.	334.	335.	335.

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
*				*				*					*				*		
*				*				*					*				*		

SJRW10-yr.out

1 APR 0000	1	0.	*	2 APR 0100	26	4.	*	3 APR 0200	51	0.	*	4 APR 0300	76	0.
1 APR 0100	2	2.	*	2 APR 0200	27	1.	*	3 APR 0300	52	0.	*	4 APR 0400	77	0.
1 APR 0200	3	7.	*	2 APR 0300	28	0.	*	3 APR 0400	53	0.	*	4 APR 0500	78	0.
1 APR 0300	4	9.	*	2 APR 0400	29	0.	*	3 APR 0500	54	0.	*	4 APR 0600	79	0.
1 APR 0400	5	13.	*	2 APR 0500	30	0.	*	3 APR 0600	55	0.	*	4 APR 0700	80	0.
1 APR 0500	6	16.	*	2 APR 0600	31	0.	*	3 APR 0700	56	0.	*	4 APR 0800	81	0.
1 APR 0600	7	19.	*	2 APR 0700	32	0.	*	3 APR 0800	57	0.	*	4 APR 0900	82	0.
1 APR 0700	8	23.	*	2 APR 0800	33	0.	*	3 APR 0900	58	0.	*	4 APR 1000	83	0.
1 APR 0800	9	28.	*	2 APR 0900	34	0.	*	3 APR 1000	59	0.	*	4 APR 1100	84	0.
1 APR 0900	10	36.	*	2 APR 1000	35	0.	*	3 APR 1100	60	0.	*	4 APR 1200	85	0.
1 APR 1000	11	47.	*	2 APR 1100	36	0.	*	3 APR 1200	61	0.	*	4 APR 1300	86	0.
1 APR 1100	12	52.	*	2 APR 1200	37	0.	*	3 APR 1300	62	0.	*	4 APR 1400	87	0.
1 APR 1200	13	55.	*	2 APR 1300	38	0.	*	3 APR 1400	63	0.	*	4 APR 1500	88	0.
1 APR 1300	14	79.	*	2 APR 1400	39	0.	*	3 APR 1500	64	0.	*	4 APR 1600	89	0.
1 APR 1400	15	242.	*	2 APR 1500	40	0.	*	3 APR 1600	65	0.	*	4 APR 1700	90	0.
1 APR 1500	16	200.	*	2 APR 1600	41	0.	*	3 APR 1700	66	0.	*	4 APR 1800	91	0.
1 APR 1600	17	198.	*	2 APR 1700	42	0.	*	3 APR 1800	67	0.	*	4 APR 1900	92	0.
1 APR 1700	18	88.	*	2 APR 1800	43	0.	*	3 APR 1900	68	0.	*	4 APR 2000	93	0.
1 APR 1800	19	36.	*	2 APR 1900	44	0.	*	3 APR 2000	69	0.	*	4 APR 2100	94	0.
1 APR 1900	20	18.	*	2 APR 2000	45	0.	*	3 APR 2100	70	0.	*	4 APR 2200	95	0.
1 APR 2000	21	12.	*	2 APR 2100	46	0.	*	3 APR 2200	71	0.	*	4 APR 2300	96	0.
1 APR 2100	22	10.	*	2 APR 2200	47	0.	*	3 APR 2300	72	0.	*	5 APR 0000	97	0.
1 APR 2200	23	8.	*	2 APR 2300	48	0.	*	4 APR 0000	73	0.	*	5 APR 0100	98	0.
1 APR 2300	24	7.	*	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		6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	99.00-HR	
+	(CFS)	(HR)						
+	242.	14.00		(CFS)	142.	51.	17.	12.
				(INCHES)	.108	.153	.154	.154
				(AC-FT)	70.	100.	101.	101.

CUMULATIVE AREA = 12.26 SQ MI

*** **

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

SJR_10-yr.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 .51 BASIN TOTAL PRECIPITATION

273 PI INCREMENTAL PRECIPITATION PATTERN
.00 .01 .01 .01 .02 .02 .02 .02 .03 .04
.04 .05 .07 .27 .14 .16 .03 .01 .01 .01
.01 .01 .01 .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	8.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	23.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	28.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	41.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	53.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	63.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	74.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	91.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.02	.00	.02	118.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.02	.00	.02	153.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.02	.00	.02	168.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.02	.00	.02	179.	*	3	APR	1400	63	.00	.00	.00	0.

						SJR_10-yr.out							
1 APR 1300	14	.04	.00	.04	259.	*	3 APR 1500	64	.00	.00	.00	0.	
1 APR 1400	15	.14	.00	.14	784.	*	3 APR 1600	65	.00	.00	.00	0.	
1 APR 1500	16	.07	.00	.07	628.	*	3 APR 1700	66	.00	.00	.00	0.	
1 APR 1600	17	.08	.00	.08	641.	*	3 APR 1800	67	.00	.00	.00	0.	
1 APR 1700	18	.01	.00	.01	307.	*	3 APR 1900	68	.00	.00	.00	0.	
1 APR 1800	19	.01	.00	.01	150.	*	3 APR 2000	69	.00	.00	.00	0.	
1 APR 1900	20	.00	.00	.00	94.	*	3 APR 2100	70	.00	.00	.00	0.	
1 APR 2000	21	.00	.00	.00	58.	*	3 APR 2200	71	.00	.00	.00	0.	
1 APR 2100	22	.00	.00	.00	41.	*	3 APR 2300	72	.00	.00	.00	0.	
1 APR 2200	23	.00	.00	.00	29.	*	4 APR 0000	73	.00	.00	.00	0.	
1 APR 2300	24	.00	.00	.00	26.	*	4 APR 0100	74	.00	.00	.00	0.	
2 APR 0000	25	.00	.00	.00	20.	*	4 APR 0200	75	.00	.00	.00	0.	
2 APR 0100	26	.00	.00	.00	13.	*	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.	
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 = .51, TOTAL LOSS = .00, TOTAL EXCESS = .51

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(CFS)				
+	784.	14.00	464.	168.	56.	41.
		(INCHES)	.352	.510	.513	.513
		(AC-FT)	230.	334.	335.	335.

CUMULATIVE AREA = 12.26 SQ MI

SJR_10-yr.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	9.	*	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	16.	*	2	APR	0300	28	2.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.
1	APR	0300	4	20.	*	2	APR	0400	29	1.	*	3	APR	0500	54	0.	*	4	APR	0600	79	0.
1	APR	0400	5	29.	*	2	APR	0500	30	0.	*	3	APR	0600	55	0.	*	4	APR	0700	80	0.
1	APR	0500	6	37.	*	2	APR	0600	31	0.	*	3	APR	0700	56	0.	*	4	APR	0800	81	0.
1	APR	0600	7	44.	*	2	APR	0700	32	0.	*	3	APR	0800	57	0.	*	4	APR	0900	82	0.
1	APR	0700	8	52.	*	2	APR	0800	33	0.	*	3	APR	0900	58	0.	*	4	APR	1000	83	0.
1	APR	0800	9	64.	*	2	APR	0900	34	0.	*	3	APR	1000	59	0.	*	4	APR	1100	84	0.
1	APR	0900	10	83.	*	2	APR	1000	35	0.	*	3	APR	1100	60	0.	*	4	APR	1200	85	0.
1	APR	1000	11	107.	*	2	APR	1100	36	0.	*	3	APR	1200	61	0.	*	4	APR	1300	86	0.
1	APR	1100	12	117.	*	2	APR	1200	37	0.	*	3	APR	1300	62	0.	*	4	APR	1400	87	0.
1	APR	1200	13	125.	*	2	APR	1300	38	0.	*	3	APR	1400	63	0.	*	4	APR	1500	88	0.
1	APR	1300	14	181.	*	2	APR	1400	39	0.	*	3	APR	1500	64	0.	*	4	APR	1600	89	0.
1	APR	1400	15	549.	*	2	APR	1500	40	0.	*	3	APR	1600	65	0.	*	4	APR	1700	90	0.
1	APR	1500	16	439.	*	2	APR	1600	41	0.	*	3	APR	1700	66	0.	*	4	APR	1800	91	0.
1	APR	1600	17	449.	*	2	APR	1700	42	0.	*	3	APR	1800	67	0.	*	4	APR	1900	92	0.
1	APR	1700	18	215.	*	2	APR	1800	43	0.	*	3	APR	1900	68	0.	*	4	APR	2000	93	0.
1	APR	1800	19	105.	*	2	APR	1900	44	0.	*	3	APR	2000	69	0.	*	4	APR	2100	94	0.
1	APR	1900	20	66.	*	2	APR	2000	45	0.	*	3	APR	2100	70	0.	*	4	APR	2200	95	0.
1	APR	2000	21	40.	*	2	APR	2100	46	0.	*	3	APR	2200	71	0.	*	4	APR	2300	96	0.
1	APR	2100	22	29.	*	2	APR	2200	47	0.	*	3	APR	2300	72	0.	*	5	APR	0000	97	0.
1	APR	2200	23	21.	*	2	APR	2300	48	0.	*	4	APR	0000	73	0.	*	5	APR	0100	98	0.
1	APR	2300	24	18.	*	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		MAXIMUM AVERAGE FLOW		
(CFS)	(HR)		6-HR	24-HR	72-HR
+	549.	14.00	325.	118.	39.
			.246	.357	.359
			161.	234.	235.

CUMULATIVE AREA = 12.26 SQ MI

*** **

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	3610.	*	3	APR	0200	51	2676.	*	4	APR	0300	76	721.	*
1	APR	0100	2	8.	*	2	APR	0200	27	4574.	*	3	APR	0300	52	2485.	*	4	APR	0400	77	696.	*
1	APR	0200	3	24.	*	2	APR	0300	28	5446.	*	3	APR	0400	53	2317.	*	4	APR	0500	78	674.	*
1	APR	0300	4	31.	*	2	APR	0400	29	6256.	*	3	APR	0500	54	2167.	*	4	APR	0600	79	654.	*
1	APR	0400	5	45.	*	2	APR	0500	30	6975.	*	3	APR	0600	55	2030.	*	4	APR	0700	80	635.	*
1	APR	0500	6	61.	*	2	APR	0600	31	7590.	*	3	APR	0700	56	1898.	*	4	APR	0800	81	618.	*
1	APR	0600	7	75.	*	2	APR	0700	32	8082.	*	3	APR	0800	57	1776.	*	4	APR	0900	82	603.	*
1	APR	0700	8	92.	*	2	APR	0800	33	8441.	*	3	APR	0900	58	1666.	*	4	APR	1000	83	589.	*
1	APR	0800	9	116.	*	2	APR	0900	34	8650.	*	3	APR	1000	59	1566.	*	4	APR	1100	84	576.	*
1	APR	0900	10	153.	*	2	APR	1000	35	8706.	*	3	APR	1100	60	1476.	*	4	APR	1200	85	564.	*
1	APR	1000	11	200.	*	2	APR	1100	36	8611.	*	3	APR	1200	61	1393.	*	4	APR	1300	86	554.	*
1	APR	1100	12	230.	*	2	APR	1200	37	8354.	*	3	APR	1300	62	1319.	*	4	APR	1400	87	545.	*
1	APR	1200	13	258.	*	2	APR	1300	38	7956.	*	3	APR	1400	63	1251.	*	4	APR	1500	88	537.	*
1	APR	1300	14	360.	*	2	APR	1400	39	7476.	*	3	APR	1500	64	1190.	*	4	APR	1600	89	530.	*
1	APR	1400	15	923.	*	2	APR	1500	40	6953.	*	3	APR	1600	65	1134.	*	4	APR	1700	90	524.	*
1	APR	1500	16	831.	*	2	APR	1600	41	6425.	*	3	APR	1700	66	1083.	*	4	APR	1800	91	519.	*
1	APR	1600	17	933.	*	2	APR	1700	42	5913.	*	3	APR	1800	67	1036.	*	4	APR	1900	92	514.	*
1	APR	1700	18	707.	*	2	APR	1800	43	5422.	*	3	APR	1900	68	992.	*	4	APR	2000	93	511.	*
1	APR	1800	19	664.	*	2	APR	1900	44	4966.	*	3	APR	2000	69	949.	*	4	APR	2100	94	508.	*
1	APR	1900	20	743.	*	2	APR	2000	45	4547.	*	3	APR	2100	70	909.	*	4	APR	2200	95	505.	*
1	APR	2000	21	801.	*	2	APR	2100	46	4165.	*	3	APR	2200	71	872.	*	4	APR	2300	96	503.	*
1	APR	2100	22	878.	*	2	APR	2200	47	3795.	*	3	APR	2300	72	837.	*	5	APR	0000	97	501.	*
1	APR	2200	23	1103.	*	2	APR	2300	48	3447.	*	4	APR	0000	73	805.	*	5	APR	0100	98	500.	*
1	APR	2300	24	1675.	*	3	APR	0000	49	3149.	*	4	APR	0100	74	775.	*	5	APR	0200	99	498.	*
2	APR	0000	25	2573.	*	3	APR	0100	50	2894.	*	4	APR	0200	75	747.	*	5	APR	0300	100	497.	*

SJR_10-yr.out

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW 24-HR	72-HR	99.00-HR	
+	(CFS)	(HR)					
+	8706.	34.00	(CFS)	8463.	6217.	2866.	2172.
			(INCHES)	.191	.560	.774	.807
			(AC-FT)	4197.	12332.	17056.	17774.

CUMULATIVE AREA = 413.00 SQ MI

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

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 * *
 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		3	NUMBER OF SUBREACHES							
	NSTPS	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

SJRW_10-yr.out													
1 APR 0000	1	0.	.00	*	2 APR 1000	35	2059.	871.51	*	3 APR 2000	69	3145.	1535.04
1 APR 0100	2	0.	.00	*	2 APR 1100	36	2266.	997.94	*	3 APR 2100	70	3027.	1463.03
1 APR 0200	3	0.	.01	*	2 APR 1200	37	2515.	1150.45	*	3 APR 2200	71	2909.	1390.60
1 APR 0300	4	0.	.06	*	2 APR 1300	38	2815.	1333.35	*	3 APR 2300	72	2787.	1316.01
1 APR 0400	5	0.	.16	*	2 APR 1400	39	3149.	1537.42	*	4 APR 0000	73	2658.	1237.59
1 APR 0500	6	1.	.35	*	2 APR 1500	40	3500.	1751.58	*	4 APR 0100	74	2526.	1156.83
1 APR 0600	7	1.	.68	*	2 APR 1600	41	3852.	1966.78	*	4 APR 0200	75	2393.	1075.87
1 APR 0700	8	2.	1.17	*	2 APR 1700	42	4320.	2168.67	*	4 APR 0300	76	2263.	996.31
1 APR 0800	9	3.	1.87	*	2 APR 1800	43	4813.	2341.05	*	4 APR 0400	77	2137.	919.28
1 APR 0900	10	5.	2.82	*	2 APR 1900	44	5205.	2478.10	*	4 APR 0500	78	2016.	845.52
1 APR 1000	11	8.	4.09	*	2 APR 2000	45	5499.	2580.63	*	4 APR 0600	79	1832.	778.35
1 APR 1100	12	11.	5.75	*	2 APR 2100	46	5700.	2650.75	*	4 APR 0700	80	1662.	720.54
1 APR 1200	13	15.	7.87	*	2 APR 2200	47	5817.	2691.62	*	4 APR 0800	81	1518.	671.39
1 APR 1300	14	20.	10.56	*	2 APR 2300	48	5861.	2707.15	*	4 APR 0900	82	1396.	629.82
1 APR 1400	15	26.	14.00	*	3 APR 0000	49	5845.	2701.69	*	4 APR 1000	83	1293.	594.55
1 APR 1500	16	35.	18.65	*	3 APR 0100	50	5780.	2678.67	*	4 APR 1100	84	1204.	564.38
1 APR 1600	17	47.	25.05	*	3 APR 0200	51	5671.	2640.70	*	4 APR 1200	85	1128.	538.36
1 APR 1700	18	62.	33.47	*	3 APR 0300	52	5528.	2590.90	*	4 APR 1300	86	1062.	515.74
1 APR 1800	19	82.	43.86	*	3 APR 0400	53	5362.	2532.78	*	4 APR 1400	87	1004.	495.92
1 APR 1900	20	104.	55.93	*	3 APR 0500	54	5180.	2469.34	*	4 APR 1500	88	963.	478.00
1 APR 2000	21	129.	69.38	*	3 APR 0600	55	4990.	2402.72	*	4 APR 1600	89	926.	461.24
1 APR 2100	22	157.	84.02	*	3 APR 0700	56	4796.	2335.01	*	4 APR 1700	90	892.	445.55
1 APR 2200	23	186.	99.78	*	3 APR 0800	57	4610.	2270.05	*	4 APR 1800	91	859.	430.86
1 APR 2300	24	218.	116.84	*	3 APR 0900	58	4437.	2209.74	*	4 APR 1900	92	829.	417.15
2 APR 0000	25	254.	135.97	*	3 APR 1000	59	4274.	2152.79	*	4 APR 2000	93	801.	404.35
2 APR 0100	26	298.	159.72	*	3 APR 1100	60	4118.	2098.30	*	4 APR 2100	94	774.	392.42
2 APR 0200	27	358.	191.99	*	3 APR 1200	61	3980.	2045.08	*	4 APR 2200	95	750.	381.32
2 APR 0300	28	441.	236.28	*	3 APR 1300	62	3891.	1990.37	*	4 APR 2300	96	727.	371.02
2 APR 0400	29	562.	296.27	*	3 APR 1400	63	3796.	1932.43	*	5 APR 0000	97	706.	361.47
2 APR 0500	30	732.	373.16	*	3 APR 1500	64	3697.	1871.77	*	5 APR 0100	98	687.	352.63
2 APR 0600	31	931.	463.41	*	3 APR 1600	65	3593.	1808.73	*	5 APR 0200	99	669.	344.47
2 APR 0700	32	1190.	559.31	*	3 APR 1700	66	3486.	1743.34	*	5 APR 0300	100	652.	336.95
2 APR 0800	33	1477.	657.19	*	3 APR 1800	67	3376.	1675.69	*				
2 APR 0900	34	1778.	759.97	*	3 APR 1900	68	3262.	1606.10	*				

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW				
+	(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
		(CFS)				
+	5861.	47.00	5765.	4872.	2803.	2061.
		(INCHES)	.130	.439	.757	.766
		(AC-FT)	2858.	9663.	16678.	18863.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	99.00-HR
+ (AC-FT)	(HR)				
2707.	47.00	2673.	2352.	1343.	989.

CUMULATIVE AREA = 413.00 SQ MI

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

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 * *
 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 .62 BASIN TOTAL PRECIPITATION

307 PI INCREMENTAL PRECIPITATION PATTERN

.00	.01	.01	.01	.01	.02	.02	.02	.03	.04
.04	.04	.07	.24	.18	.18	.06	.01	.01	.01
.01	.01	.01	.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							

SJR_10-yr.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	5.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	27.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	46.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	64.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	81.	*	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	.01	.00	.01	119.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	142.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.02	.00	.02	179.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.02	.00	.02	231.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.02	.00	.02	278.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.02	.00	.02	306.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.04	.00	.04	399.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.14	.00	.14	956.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.11	.00	.11	1315.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.11	.00	.11	1370.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.04	.00	.04	1138.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	729.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	501.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	387.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	313.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	265.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	231.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	201.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	172.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	139.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	112.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	93.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	77.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	58.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	46.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	35.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	30.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	28.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	25.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	19.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	12.	*	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	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	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.

							SJR_10-yr.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 = .62, TOTAL LOSS = .00, TOTAL EXCESS = .62

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	
+	(CFS)	(HR)		24-HR	72-HR
+	1370.	16.00	(CFS)	993.	406.
			(INCHES)	.359	.587
			(AC-FT)	492.	806.

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	69.	*	3 APR	0200	51	0.	*	4 APR	0300	76	0.	*	5 APR	0400	77	0.	*
1 APR	0100	2	2.	*	2 APR	0200	27	56.	*	3 APR	0300	52	0.	*	4 APR	0400	78	0.	*	5 APR	0500	79	0.	*
1 APR	0200	3	11.	*	2 APR	0300	28	45.	*	3 APR	0400	53	0.	*	4 APR	0600	80	0.	*	5 APR	0700	81	0.	*
1 APR	0300	4	18.	*	2 APR	0400	29	37.	*	3 APR	0500	54	0.	*	4 APR	0800	82	0.	*	5 APR	0900	83	0.	*
1 APR	0400	5	25.	*	2 APR	0500	30	31.	*	3 APR	0600	55	0.	*	4 APR	1000	84	0.	*	5 APR	1100	85	0.	*
1 APR	0500	6	32.	*	2 APR	0600	31	23.	*	3 APR	0700	56	0.	*	4 APR	1200	86	0.	*	5 APR	1300	87	0.	*
1 APR	0600	7	40.	*	2 APR	0700	32	18.	*	3 APR	0800	57	0.	*	4 APR	1400	88	0.	*	5 APR	1500	89	0.	*
1 APR	0700	8	48.	*	2 APR	0800	33	14.	*	3 APR	0900	58	0.	*	4 APR	1600	90	0.	*	5 APR	1700	91	0.	*
1 APR	0800	9	57.	*	2 APR	0900	34	12.	*	3 APR	1000	59	0.	*	4 APR	1800	92	0.	*	5 APR	1900	93	0.	*
1 APR	0900	10	71.	*	2 APR	1000	35	11.	*	3 APR	1100	60	0.	*	4 APR	2000	94	0.	*	5 APR	2100	95	0.	*
1 APR	1000	11	92.	*	2 APR	1100	36	10.	*	3 APR	1200	61	0.	*	4 APR	2200	96	0.	*	5 APR	2300	97	0.	*
1 APR	1100	12	111.	*	2 APR	1200	37	8.	*	3 APR	1300	62	0.	*										
1 APR	1200	13	123.	*	2 APR	1300	38	5.	*	3 APR	1400	63	0.	*										
1 APR	1300	14	160.	*	2 APR	1400	39	3.	*	3 APR	1500	64	0.	*										
1 APR	1400	15	383.	*	2 APR	1500	40	1.	*	3 APR	1600	65	0.	*										
1 APR	1500	16	526.	*	2 APR	1600	41	1.	*	3 APR	1700	66	0.	*										
1 APR	1600	17	548.	*	2 APR	1700	42	0.	*	3 APR	1800	67	0.	*										
1 APR	1700	18	455.	*	2 APR	1800	43	0.	*	3 APR	1900	68	0.	*										
1 APR	1800	19	292.	*	2 APR	1900	44	0.	*	3 APR	2000	69	0.	*										
1 APR	1900	20	200.	*	2 APR	2000	45	0.	*	3 APR	2100	70	0.	*										
1 APR	2000	21	155.	*	2 APR	2100	46	0.	*	3 APR	2200	71	0.	*										
1 APR	2100	22	125.	*	2 APR	2200	47	0.	*	3 APR	2300	72	0.	*										

SJRW10-yr.out														
1 APR 2200	23	106.	*	2 APR 2300	48	0.	*	4 APR 0000	73	0.	*	5 APR 0100	98	0.
1 APR 2300	24	93.	*	3 APR 0000	49	0.	*	4 APR 0100	74	0.	*	5 APR 0200	99	0.
2 APR 0000	25	80.	*	3 APR 0100	50	0.	*	4 APR 0200	75	0.	*	5 APR 0300	100	0.
			*				*				*			

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	72-HR	99.00-HR
+	(CFS)	(HR)		24-HR		
			(CFS)			
+	548.	16.00	397.	163.	57.	41.
			(INCHES)	.235	.247	.247
			(AC-FT)	322.	339.	339.
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

 UHGR 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 .62 BASIN TOTAL PRECIPITATION

328 PI INCREMENTAL PRECIPITATION PATTERN

.00	.01	.01	.01	.01	.02	.02	.02	.03	.04
.04	.04	.07	.24	.18	.18	.06	.01	.01	.01
.01	.01	.01	.00	.00	.00				

SJR_10-yr.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	3.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	23.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	50.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	68.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	89.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	107.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	129.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	153.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.02	.00	.02	188.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.02	.00	.02	243.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.02	.00	.02	300.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.02	.00	.02	335.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.04	.00	.04	408.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.14	.00	.14	873.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.11	.00	.11	1468.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.11	.00	.11	1539.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.04	.00	.04	1369.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	863.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	511.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	359.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	274.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	222.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	182.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	147.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	111.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	82.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	58.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	38.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	24.	*	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	6.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	4.	*	4	APR	1000	83	.00	.00	.00	0.

										SJR_10-yr.out				
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	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 = .62, TOTAL LOSS = .00, TOTAL EXCESS = .62

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
(CFS)	(HR)	(CFS)				
+ 1539.	16.00		1095.	420.	142.	103.
		(INCHES)	.396	.606	.617	.617
		(AC-FT)	543.	833.	847.	847.

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	67.	*	3	APR	0200	51	0.	*	4	APR	0300	76	0.	*
1	APR	0100	2	2.	*	2	APR	0200	27	49.	*	3	APR	0300	52	0.	*	4	APR	0400	77	0.	*
1	APR	0200	3	14.	*	2	APR	0300	28	35.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.	*
1	APR	0300	4	30.	*	2	APR	0400	29	23.	*	3	APR	0500	54	0.	*	4	APR	0600	79	0.	*
1	APR	0400	5	41.	*	2	APR	0500	30	14.	*	3	APR	0600	55	0.	*	4	APR	0700	80	0.	*
1	APR	0500	6	53.	*	2	APR	0600	31	7.	*	3	APR	0700	56	0.	*	4	APR	0800	81	0.	*
1	APR	0600	7	64.	*	2	APR	0700	32	3.	*	3	APR	0800	57	0.	*	4	APR	0900	82	0.	*
1	APR	0700	8	77.	*	2	APR	0800	33	2.	*	3	APR	0900	58	0.	*	4	APR	1000	83	0.	*
1	APR	0800	9	92.	*	2	APR	0900	34	2.	*	3	APR	1000	59	0.	*	4	APR	1100	84	0.	*

SJRW_10-yr.out														
1 APR 0900	10	113.	*	2 APR 1000	35	1.	*	3 APR 1100	60	0.	*	4 APR 1200	85	0.
1 APR 1000	11	146.	*	2 APR 1100	36	1.	*	3 APR 1200	61	0.	*	4 APR 1300	86	0.
1 APR 1100	12	180.	*	2 APR 1200	37	0.	*	3 APR 1300	62	0.	*	4 APR 1400	87	0.
1 APR 1200	13	201.	*	2 APR 1300	38	0.	*	3 APR 1400	63	0.	*	4 APR 1500	88	0.
1 APR 1300	14	245.	*	2 APR 1400	39	0.	*	3 APR 1500	64	0.	*	4 APR 1600	89	0.
1 APR 1400	15	524.	*	2 APR 1500	40	0.	*	3 APR 1600	65	0.	*	4 APR 1700	90	0.
1 APR 1500	16	881.	*	2 APR 1600	41	0.	*	3 APR 1700	66	0.	*	4 APR 1800	91	0.
1 APR 1600	17	923.	*	2 APR 1700	42	0.	*	3 APR 1800	67	0.	*	4 APR 1900	92	0.
1 APR 1700	18	821.	*	2 APR 1800	43	0.	*	3 APR 1900	68	0.	*	4 APR 2000	93	0.
1 APR 1800	19	518.	*	2 APR 1900	44	0.	*	3 APR 2000	69	0.	*	4 APR 2100	94	0.
1 APR 1900	20	307.	*	2 APR 2000	45	0.	*	3 APR 2100	70	0.	*	4 APR 2200	95	0.
1 APR 2000	21	215.	*	2 APR 2100	46	0.	*	3 APR 2200	71	0.	*	4 APR 2300	96	0.
1 APR 2100	22	164.	*	2 APR 2200	47	0.	*	3 APR 2300	72	0.	*	5 APR 0000	97	0.
1 APR 2200	23	133.	*	2 APR 2300	48	0.	*	4 APR 0000	73	0.	*	5 APR 0100	98	0.
1 APR 2300	24	109.	*	3 APR 0000	49	0.	*	4 APR 0100	74	0.	*	5 APR 0200	99	0.
2 APR 0000	25	88.	*	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)					
+	923.	16.00	(CFS)	657.	252.	85.	62.
			(INCHES)	.237	.364	.370	.370
			(AC-FT)	326.	500.	508.	508.

CUMULATIVE AREA = 25.74 SQ MI

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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

SJR_10-yr.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	433.	*	3	APR	0200	51	5671.	*	4	APR	0300	76	2263.
1	APR	0100	2	4.	*	2	APR	0200	27	463.	*	3	APR	0300	52	5528.	*	4	APR	0400	77	2137.
1	APR	0200	3	24.	*	2	APR	0300	28	520.	*	3	APR	0400	53	5362.	*	4	APR	0500	78	2016.
1	APR	0300	4	49.	*	2	APR	0400	29	622.	*	3	APR	0500	54	5180.	*	4	APR	0600	79	1832.
1	APR	0400	5	67.	*	2	APR	0500	30	777.	*	3	APR	0600	55	4990.	*	4	APR	0700	80	1662.
1	APR	0500	6	86.	*	2	APR	0600	31	961.	*	3	APR	0700	56	4796.	*	4	APR	0800	81	1518.
1	APR	0600	7	105.	*	2	APR	0700	32	1211.	*	3	APR	0800	57	4610.	*	4	APR	0900	82	1396.
1	APR	0700	8	127.	*	2	APR	0800	33	1493.	*	3	APR	0900	58	4437.	*	4	APR	1000	83	1293.
1	APR	0800	9	152.	*	2	APR	0900	34	1792.	*	3	APR	1000	59	4274.	*	4	APR	1100	84	1204.
1	APR	0900	10	190.	*	2	APR	1000	35	2071.	*	3	APR	1100	60	4118.	*	4	APR	1200	85	1128.
1	APR	1000	11	246.	*	2	APR	1100	36	2276.	*	3	APR	1200	61	3980.	*	4	APR	1300	86	1062.
1	APR	1100	12	302.	*	2	APR	1200	37	2524.	*	3	APR	1300	62	3891.	*	4	APR	1400	87	1004.
1	APR	1200	13	338.	*	2	APR	1300	38	2820.	*	3	APR	1400	63	3796.	*	4	APR	1500	88	963.
1	APR	1300	14	424.	*	2	APR	1400	39	3152.	*	3	APR	1500	64	3697.	*	4	APR	1600	89	926.
1	APR	1400	15	932.	*	2	APR	1500	40	3501.	*	3	APR	1600	65	3593.	*	4	APR	1700	90	892.
1	APR	1500	16	1442.	*	2	APR	1600	41	3853.	*	3	APR	1700	66	3486.	*	4	APR	1800	91	859.
1	APR	1600	17	1518.	*	2	APR	1700	42	4320.	*	3	APR	1800	67	3376.	*	4	APR	1900	92	829.
1	APR	1700	18	1339.	*	2	APR	1800	43	4813.	*	3	APR	1900	68	3262.	*	4	APR	2000	93	801.
1	APR	1800	19	891.	*	2	APR	1900	44	5206.	*	3	APR	2000	69	3145.	*	4	APR	2100	94	774.
1	APR	1900	20	611.	*	2	APR	2000	45	5499.	*	3	APR	2100	70	3027.	*	4	APR	2200	95	750.
1	APR	2000	21	500.	*	2	APR	2100	46	5700.	*	3	APR	2200	71	2909.	*	4	APR	2300	96	727.
1	APR	2100	22	446.	*	2	APR	2200	47	5817.	*	3	APR	2300	72	2787.	*	5	APR	0000	97	706.
1	APR	2200	23	425.	*	2	APR	2300	48	5861.	*	4	APR	0000	73	2658.	*	5	APR	0100	98	687.
1	APR	2300	24	420.	*	3	APR	0000	49	5845.	*	4	APR	0100	74	2526.	*	5	APR	0200	99	669.
2	APR	0000	25	422.	*	3	APR	0100	50	5780.	*	4	APR	0200	75	2393.	*	5	APR	0300	100	652.

PEAK FLOW	TIME		MAXIMUM	AVERAGE	FLOW	
+ (CFS)	(HR)		6-HR	24-HR	72-HR	99.00-HR
		(CFS)				
+ 5861.	47.00		5765.	4872.	2807.	2165.
		(INCHES)	.115	.390	.674	.715
		(AC-FT)	2859.	9663.	16700.	17710.

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 .52 BASIN TOTAL PRECIPITATION

358 PI INCREMENTAL PRECIPITATION PATTERN
.00 .01 .01 .01 .01 .02 .02 .02 .03 .04
.04 .04 .05 .20 .20 .18 .08 .01 .01 .01
.01 .01 .01 .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	2.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	15.	*	3	APR	0400	53	.00	.00	.00	0.

						SJR_10-yr.out						
1 APR 0300	4	.00	.00	.00	19.	*	3 APR 0500	54	.00	.00	.00	0.
1 APR 0400	5	.01	.00	.01	28.	*	3 APR 0600	55	.00	.00	.00	0.
1 APR 0500	6	.01	.00	.01	34.	*	3 APR 0700	56	.00	.00	.00	0.
1 APR 0600	7	.01	.00	.01	41.	*	3 APR 0800	57	.00	.00	.00	0.
1 APR 0700	8	.01	.00	.01	48.	*	3 APR 0900	58	.00	.00	.00	0.
1 APR 0800	9	.01	.00	.01	60.	*	3 APR 1000	59	.00	.00	.00	0.
1 APR 0900	10	.01	.00	.01	76.	*	3 APR 1100	60	.00	.00	.00	0.
1 APR 1000	11	.02	.00	.02	98.	*	3 APR 1200	61	.00	.00	.00	0.
1 APR 1100	12	.02	.00	.02	120.	*	3 APR 1300	62	.00	.00	.00	0.
1 APR 1200	13	.02	.00	.02	121.	*	3 APR 1400	63	.00	.00	.00	0.
1 APR 1300	14	.03	.00	.03	148.	*	3 APR 1500	64	.00	.00	.00	0.
1 APR 1400	15	.10	.00	.10	448.	*	3 APR 1600	65	.00	.00	.00	0.
1 APR 1500	16	.10	.00	.10	534.	*	3 APR 1700	66	.00	.00	.00	0.
1 APR 1600	17	.09	.00	.09	538.	*	3 APR 1800	67	.00	.00	.00	0.
1 APR 1700	18	.04	.00	.04	344.	*	3 APR 1900	68	.00	.00	.00	0.
1 APR 1800	19	.00	.00	.00	138.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.01	.00	.01	81.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.00	.00	.00	47.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.00	.00	.00	31.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.00	.00	.00	22.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.00	.00	.00	19.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.00	.00	.00	16.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	12.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	4.	*	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.
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 = .52, TOTAL LOSS = .00, TOTAL EXCESS = .52

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PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	72-HR	99.00-HR
+	(CFS)	(HR)		24-HR		
		(CFS)				
+	538.	16.00	357.	126.	42.	31.
		(INCHES)	.367	.520	.523	.523
		(AC-FT)	177.	251.	252.	252.
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.

SJRW10-yr.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	96.	30.1	1676.2	*
1	APR	0100	2					1.	.0	1670.0	*	2	APR	1100	36	94.	22.3	1675.6	*
1	APR	0200	3					8.	.4	1670.1	*	2	APR	1200	37	89.	14.7	1673.7	*
1	APR	0300	4					16.	.8	1670.2	*	2	APR	1300	38	83.	7.6	1671.9	*
1	APR	0400	5					23.	1.1	1670.3	*	2	APR	1400	39	46.	2.3	1670.6	*
1	APR	0500	6					30.	1.5	1670.4	*	2	APR	1500	40	4.	.2	1670.1	*
1	APR	0600	7					37.	1.8	1670.5	*	2	APR	1600	41	0.	.0	1670.0	*
1	APR	0700	8					44.	2.2	1670.5	*	2	APR	1700	42	0.	.0	1670.0	*
1	APR	0800	9					53.	2.6	1670.7	*	2	APR	1800	43	0.	.0	1670.0	*
1	APR	0900	10					66.	3.3	1670.8	*	2	APR	1900	44	0.	.0	1670.0	*
1	APR	1000	11					80.	4.4	1671.1	*	2	APR	2000	45	0.	.0	1670.0	*
1	APR	1100	12					82.	6.7	1671.7	*	2	APR	2100	46	0.	.0	1670.0	*
1	APR	1200	13					85.	9.8	1672.4	*	2	APR	2200	47	0.	.0	1670.0	*
1	APR	1300	14					88.	13.7	1673.4	*	2	APR	2300	48	0.	.0	1670.0	*
1	APR	1400	15					96.	30.8	1676.3	*	3	APR	0000	49	0.	.0	1670.0	*
1	APR	1500	16					99.	63.3	1677.6	*	3	APR	0100	50	0.	.0	1670.0	*
1	APR	1600	17					102.	99.3	1679.0	*	3	APR	0200	51	0.	.0	1670.0	*
1	APR	1700	18					104.	127.2	1680.1	*	3	APR	0300	52	0.	.0	1670.0	*
1	APR	1800	19					104.	138.5	1680.3	*	3	APR	0400	53	0.	.0	1670.0	*
1	APR	1900	20					104.	139.0	1680.3	*	3	APR	0500	54	0.	.0	1670.0	*
1	APR	2000	21					104.	135.7	1680.2	*	3	APR	0600	55	0.	.0	1670.0	*
1	APR	2100	22					104.	130.3	1680.1	*	3	APR	0700	56	0.	.0	1670.0	*
1	APR	2200	23					104.	123.9	1680.0	*	3	APR	0800	57	0.	.0	1670.0	*
1	APR	2300	24					103.	117.1	1679.7	*	3	APR	0900	58	0.	.0	1670.0	*
2	APR	0000	25					103.	110.0	1679.4	*	3	APR	1000	59	0.	.0	1670.0	*
2	APR	0100	26					102.	102.7	1679.1	*	3	APR	1100	60	0.	.0	1670.0	*
2	APR	0200	27					102.	95.0	1678.8	*	3	APR	1200	61	0.	.0	1670.0	*
2	APR	0300	28					101.	86.8	1678.5	*	3	APR	1300	62	0.	.0	1670.0	*
2	APR	0400	29					100.	78.6	1678.2	*	3	APR	1400	63	0.	.0	1670.0	*
2	APR	0500	30					100.	70.4	1677.9	*	3	APR	1500	64	0.	.0	1670.0	*
2	APR	0600	31					99.	62.2	1677.5	*	3	APR	1600	65	0.	.0	1670.0	*
2	APR	0700	32					98.	54.1	1677.2	*	3	APR	1700	66	0.	.0	1670.0	*
2	APR	0800	33					97.	46.0	1676.9	*	3	APR	1800	67	0.	.0	1670.0	*
2	APR	0900	34					96.	38.0	1676.6	*	3	APR	1900	68	0.	.0	1670.0	*

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

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+	104.	19.00		104.	99.	42.	31.
			(INCHES)	.107	.409	.523	.523
			(AC-FT)	52.	197.	252.	252.

PEAK STORAGE	TIME		MAXIMUM AVERAGE STORAGE
		6-HR	24-HR 72-HR 99.00-HR
+	(AC-FT) (HR)		
	139. 19.00	132.	80. 27. 20.

PEAK STAGE	TIME		MAXIMUM AVERAGE STAGE
		6-HR	24-HR 72-HR 99.00-HR
+	(FEET) (HR)		
	1680.31 19.00	1680.15	1678.00 1672.83 1672.06

CUMULATIVE AREA = 9.03 SQ MI

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 * *
 373 KK IA *
 * *

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 .53 BASIN TOTAL PRECIPITATION

378 PI INCREMENTAL PRECIPITATION PATTERN

.00	.01	.01	.01	.02	.02	.02	.03	.04
.04	.04	.05	.20	.20	.18	.08	.01	.01
.01	.01	.01	.00	.00	.00			

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

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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	0.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	3.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	3.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	4.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	5.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	6.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	7.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	9.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.01	.00	.01	11.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.02	.00	.02	14.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.02	.00	.02	17.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.02	.00	.02	16.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.03	.00	.03	21.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.10	.00	.10	75.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.10	.00	.10	79.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.10	.00	.10	73.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.04	.00	.04	36.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	5.	*	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	.00	.00	.00	3.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	3.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	2.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	2.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	2.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	1.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	0.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	0.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	0.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	0.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	0.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	0.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	0.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	0.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	0.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	0.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	0.	*	4	APR	1400	87	.00	.00	.00	0.

							SJR_10-yr.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 = .53, TOTAL LOSS = .00, TOTAL EXCESS = .53

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW 24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	79.	15.00	49.	17.	6.	4.
		(INCHES)	.389	.527	.528	.528
		(AC-FT)	24.	33.	33.	33.
CUMULATIVE AREA =			1.17 SQ MI			

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386 KK *****
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* IA *
*

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

SJR_10-yr.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	103.	*	3	APR	0200	51	0.	*	4	APR	0300	76	0.	*
1	APR	0100	2	1.	*	2	APR	0200	27	102.	*	3	APR	0300	52	0.	*	4	APR	0400	77	0.	*
1	APR	0200	3	10.	*	2	APR	0300	28	101.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.	*
1	APR	0300	4	19.	*	2	APR	0400	29	100.	*	3	APR	0500	54	0.	*	4	APR	0600	79	0.	*
1	APR	0400	5	26.	*	2	APR	0500	30	100.	*	3	APR	0600	55	0.	*	4	APR	0700	80	0.	*
1	APR	0500	6	35.	*	2	APR	0600	31	99.	*	3	APR	0700	56	0.	*	4	APR	0800	81	0.	*
1	APR	0600	7	43.	*	2	APR	0700	32	98.	*	3	APR	0800	57	0.	*	4	APR	0900	82	0.	*
1	APR	0700	8	51.	*	2	APR	0800	33	97.	*	3	APR	0900	58	0.	*	4	APR	1000	83	0.	*
1	APR	0800	9	61.	*	2	APR	0900	34	96.	*	3	APR	1000	59	0.	*	4	APR	1100	84	0.	*
1	APR	0900	10	77.	*	2	APR	1000	35	96.	*	3	APR	1100	60	0.	*	4	APR	1200	85	0.	*
1	APR	1000	11	94.	*	2	APR	1100	36	94.	*	3	APR	1200	61	0.	*	4	APR	1300	86	0.	*
1	APR	1100	12	99.	*	2	APR	1200	37	89.	*	3	APR	1300	62	0.	*	4	APR	1400	87	0.	*
1	APR	1200	13	101.	*	2	APR	1300	38	83.	*	3	APR	1400	63	0.	*	4	APR	1500	88	0.	*
1	APR	1300	14	109.	*	2	APR	1400	39	46.	*	3	APR	1500	64	0.	*	4	APR	1600	89	0.	*
1	APR	1400	15	171.	*	2	APR	1500	40	4.	*	3	APR	1600	65	0.	*	4	APR	1700	90	0.	*
1	APR	1500	16	178.	*	2	APR	1600	41	0.	*	3	APR	1700	66	0.	*	4	APR	1800	91	0.	*
1	APR	1600	17	175.	*	2	APR	1700	42	0.	*	3	APR	1800	67	0.	*	4	APR	1900	92	0.	*
1	APR	1700	18	140.	*	2	APR	1800	43	0.	*	3	APR	1900	68	0.	*	4	APR	2000	93	0.	*
1	APR	1800	19	109.	*	2	APR	1900	44	0.	*	3	APR	2000	69	0.	*	4	APR	2100	94	0.	*
1	APR	1900	20	108.	*	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	107.	*	2	APR	2200	47	0.	*	3	APR	2300	72	0.	*	5	APR	0000	97	0.	*
1	APR	2200	23	106.	*	2	APR	2300	48	0.	*	4	APR	0000	73	0.	*	5	APR	0100	98	0.	*
1	APR	2300	24	106.	*	3	APR	0000	49	0.	*	4	APR	0100	74	0.	*	5	APR	0200	99	0.	*
2	APR	0000	25	105.	*	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)				
+	178.	15.00				
		(CFS)	147.	113.	48.	35.
		(INCHES)	.134	.412	.523	.523
		(AC-FT)	73.	224.	285.	285.

CUMULATIVE AREA = 10.20 SQ MI

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389 KK

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 * IB *
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SJR_10-yr.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	100.	22.4	1639.4	*	3	APR	2000	69	0.	.0	1635.5
1	APR	0100	2	1.	.0	1635.5	*	2	APR	1100	36	99.	22.0	1639.4	*	3	APR	2100	70	0.	.0	1635.5
1	APR	0200	3	9.	.1	1635.8	*	2	APR	1200	37	97.	21.4	1639.3	*	3	APR	2200	71	0.	.0	1635.5
1	APR	0300	4	16.	.2	1636.1	*	2	APR	1300	38	95.	20.6	1639.2	*	3	APR	2300	72	0.	.0	1635.5
1	APR	0400	5	18.	.7	1636.4	*	2	APR	1400	39	89.	18.3	1639.0	*	4	APR	0000	73	0.	.0	1635.5
1	APR	0500	6	22.	1.6	1636.8	*	2	APR	1500	40	74.	13.6	1638.6	*	4	APR	0100	74	0.	.0	1635.5
1	APR	0600	7	28.	2.8	1637.1	*	2	APR	1600	41	57.	8.3	1638.0	*	4	APR	0200	75	0.	.0	1635.5
1	APR	0700	8	35.	4.1	1637.4	*	2	APR	1700	42	37.	4.5	1637.4	*	4	APR	0300	76	0.	.0	1635.5
1	APR	0800	9	43.	5.5	1637.6	*	2	APR	1800	43	23.	2.0	1637.0	*	4	APR	0400	77	0.	.0	1635.5
1	APR	0900	10	52.	7.3	1637.9	*	2	APR	1900	44	16.	.4	1636.1	*	4	APR	0500	78	0.	.0	1635.5
1	APR	1000	11	62.	9.7	1638.2	*	2	APR	2000	45	0.	.0	1635.5	*	4	APR	0600	79	0.	.0	1635.5

SJR_10-yr.out

1 APR 1100	12	70.	12.2	1638.4	*	2 APR 2100	46	0.	.0	1635.5	*	4 APR 0700	80	0.	.0	1635.5
1 APR 1200	13	77.	14.4	1638.7	*	2 APR 2200	47	0.	.0	1635.5	*	4 APR 0800	81	0.	.0	1635.5
1 APR 1300	14	84.	16.5	1638.9	*	2 APR 2300	48	0.	.0	1635.5	*	4 APR 0900	82	0.	.0	1635.5
1 APR 1400	15	95.	20.6	1639.3	*	3 APR 0000	49	0.	.0	1635.5	*	4 APR 1000	83	0.	.0	1635.5
1 APR 1500	16	111.	26.5	1639.8	*	3 APR 0100	50	0.	.0	1635.5	*	4 APR 1100	84	0.	.0	1635.5
1 APR 1600	17	122.	31.5	1640.2	*	3 APR 0200	51	0.	.0	1635.5	*	4 APR 1200	85	0.	.0	1635.5
1 APR 1700	18	127.	34.2	1640.5	*	3 APR 0300	52	0.	.0	1635.5	*	4 APR 1300	86	0.	.0	1635.5
1 APR 1800	19	126.	34.0	1640.5	*	3 APR 0400	53	0.	.0	1635.5	*	4 APR 1400	87	0.	.0	1635.5
1 APR 1900	20	124.	32.6	1640.3	*	3 APR 0500	54	0.	.0	1635.5	*	4 APR 1500	88	0.	.0	1635.5
1 APR 2000	21	122.	31.4	1640.2	*	3 APR 0600	55	0.	.0	1635.5	*	4 APR 1600	89	0.	.0	1635.5
1 APR 2100	22	120.	30.2	1640.1	*	3 APR 0700	56	0.	.0	1635.5	*	4 APR 1700	90	0.	.0	1635.5
1 APR 2200	23	118.	29.2	1640.0	*	3 APR 0800	57	0.	.0	1635.5	*	4 APR 1800	91	0.	.0	1635.5
1 APR 2300	24	116.	28.3	1640.0	*	3 APR 0900	58	0.	.0	1635.5	*	4 APR 1900	92	0.	.0	1635.5
2 APR 0000	25	114.	27.5	1639.9	*	3 APR 1000	59	0.	.0	1635.5	*	4 APR 2000	93	0.	.0	1635.5
2 APR 0100	26	112.	26.8	1639.8	*	3 APR 1100	60	0.	.0	1635.5	*	4 APR 2100	94	0.	.0	1635.5
2 APR 0200	27	110.	26.1	1639.8	*	3 APR 1200	61	0.	.0	1635.5	*	4 APR 2200	95	0.	.0	1635.5
2 APR 0300	28	108.	25.5	1639.7	*	3 APR 1300	62	0.	.0	1635.5	*	4 APR 2300	96	0.	.0	1635.5
2 APR 0400	29	107.	24.9	1639.6	*	3 APR 1400	63	0.	.0	1635.5	*	5 APR 0000	97	0.	.0	1635.5
2 APR 0500	30	105.	24.4	1639.6	*	3 APR 1500	64	0.	.0	1635.5	*	5 APR 0100	98	0.	.0	1635.5
2 APR 0600	31	104.	24.0	1639.6	*	3 APR 1600	65	0.	.0	1635.5	*	5 APR 0200	99	0.	.0	1635.5
2 APR 0700	32	103.	23.5	1639.5	*	3 APR 1700	66	0.	.0	1635.5	*	5 APR 0300	100	0.	.0	1635.5
2 APR 0800	33	102.	23.1	1639.5	*	3 APR 1800	67	0.	.0	1635.5	*					
2 APR 0900	34	101.	22.7	1639.4	*	3 APR 1900	68	0.	.0	1635.5	*					

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	127.	17.00	123.	110.	48.	35.
		(INCHES)	.112	.400	.524	.524
		(AC-FT)	61.	218.	285.	285.

PEAK STORAGE	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(AC-FT)	(HR)				
	34.	17.00	32.	26.	10.	8.

PEAK STAGE	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(FEET)	(HR)				
	1640.48	17.00	1640.30	1639.77	1637.43	1636.91

CUMULATIVE AREA = 10.20 SQ MI

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 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 .56 BASIN TOTAL PRECIPITATION

403 PI INCREMENTAL PRECIPITATION PATTERN
 .00 .01 .01 .01 .01 .02 .02 .02 .03 .04
 .04 .04 .05 .20 .20 .18 .08 .01 .01 .01
 .01 .01 .01 .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	.00	.00	.00	2.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	2.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	3.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	3.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	4.	*	3	APR	0800	57	.00	.00	.00	0.

SJR_10-yr.out																
1	APR	0700	8	.01	.00	.01	4.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	5.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.02	.00	.02	7.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.02	.00	.02	9.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.02	.00	.02	11.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.02	.00	.02	10.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.03	.00	.03	13.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.11	.00	.11	48.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.11	.00	.11	49.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.10	.00	.10	46.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.05	.00	.05	22.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	3.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	3.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	2.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	2.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	2.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	2.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	1.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	1.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	0.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	0.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	0.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	0.	*	4	APR	0700	80	.00	.00	.00	0.
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 = .56, TOTAL LOSS = .00, TOTAL EXCESS = .56

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

+ 49. 15.00 31. 10. SJR_10-yr.out
 (INCHES) .414 .564 3. 3.
 (AC-FT) 15. 21. 21. 21.

CUMULATIVE AREA = .69 SQ MI

*** **

 * *
 411 KK * LB *
 * *

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

SJR_10-yr.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.	.0	1734.1	*	2	APR	1200	37	0.	.0	1734.0	*	3	APR	2200	71	0.	.0	1734.0
1	APR	0300	4	2.	.1	1734.2	*	2	APR	1300	38	0.	.0	1734.0	*	3	APR	2300	72	0.	.0	1734.0
1	APR	0400	5	2.	.1	1734.2	*	2	APR	1400	39	0.	.0	1734.0	*	4	APR	0000	73	0.	.0	1734.0
1	APR	0500	6	3.	.1	1734.3	*	2	APR	1500	40	0.	.0	1734.0	*	4	APR	0100	74	0.	.0	1734.0
1	APR	0600	7	3.	.2	1734.3	*	2	APR	1600	41	0.	.0	1734.0	*	4	APR	0200	75	0.	.0	1734.0
1	APR	0700	8	4.	.2	1734.4	*	2	APR	1700	42	0.	.0	1734.0	*	4	APR	0300	76	0.	.0	1734.0
1	APR	0800	9	5.	.2	1734.5	*	2	APR	1800	43	0.	.0	1734.0	*	4	APR	0400	77	0.	.0	1734.0
1	APR	0900	10	6.	.3	1734.6	*	2	APR	1900	44	0.	.0	1734.0	*	4	APR	0500	78	0.	.0	1734.0
1	APR	1000	11	8.	.4	1734.8	*	2	APR	2000	45	0.	.0	1734.0	*	4	APR	0600	79	0.	.0	1734.0
1	APR	1100	12	10.	.5	1735.0	*	2	APR	2100	46	0.	.0	1734.0	*	4	APR	0700	80	0.	.0	1734.0
1	APR	1200	13	10.	.5	1735.0	*	2	APR	2200	47	0.	.0	1734.0	*	4	APR	0800	81	0.	.0	1734.0
1	APR	1300	14	11.	.6	1735.1	*	2	APR	2300	48	0.	.0	1734.0	*	4	APR	0900	82	0.	.0	1734.0
1	APR	1400	15	20.	1.9	1736.0	*	3	APR	0000	49	0.	.0	1734.0	*	4	APR	1000	83	0.	.0	1734.0
1	APR	1500	16	26.	4.0	1736.9	*	3	APR	0100	50	0.	.0	1734.0	*	4	APR	1100	84	0.	.0	1734.0
1	APR	1600	17	30.	5.6	1737.5	*	3	APR	0200	51	0.	.0	1734.0	*	4	APR	1200	85	0.	.0	1734.0
1	APR	1700	18	31.	5.9	1737.6	*	3	APR	0300	52	0.	.0	1734.0	*	4	APR	1300	86	0.	.0	1734.0
1	APR	1800	19	27.	4.5	1737.1	*	3	APR	0400	53	0.	.0	1734.0	*	4	APR	1400	87	0.	.0	1734.0
1	APR	1900	20	22.	2.6	1736.4	*	3	APR	0500	54	0.	.0	1734.0	*	4	APR	1500	88	0.	.0	1734.0
1	APR	2000	21	16.	1.2	1735.6	*	3	APR	0600	55	0.	.0	1734.0	*	4	APR	1600	89	0.	.0	1734.0
1	APR	2100	22	8.	.4	1734.8	*	3	APR	0700	56	0.	.0	1734.0	*	4	APR	1700	90	0.	.0	1734.0
1	APR	2200	23	2.	.1	1734.2	*	3	APR	0800	57	0.	.0	1734.0	*	4	APR	1800	91	0.	.0	1734.0
1	APR	2300	24	2.	.1	1734.2	*	3	APR	0900	58	0.	.0	1734.0	*	4	APR	1900	92	0.	.0	1734.0
2	APR	0000	25	1.	.1	1734.1	*	3	APR	1000	59	0.	.0	1734.0	*	4	APR	2000	93	0.	.0	1734.0
2	APR	0100	26	1.	.1	1734.1	*	3	APR	1100	60	0.	.0	1734.0	*	4	APR	2100	94	0.	.0	1734.0
2	APR	0200	27	0.	.0	1734.0	*	3	APR	1200	61	0.	.0	1734.0	*	4	APR	2200	95	0.	.0	1734.0
2	APR	0300	28	0.	.0	1734.0	*	3	APR	1300	62	0.	.0	1734.0	*	4	APR	2300	96	0.	.0	1734.0
2	APR	0400	29	0.	.0	1734.0	*	3	APR	1400	63	0.	.0	1734.0	*	5	APR	0000	97	0.	.0	1734.0
2	APR	0500	30	0.	.0	1734.0	*	3	APR	1500	64	0.	.0	1734.0	*	5	APR	0100	98	0.	.0	1734.0
2	APR	0600	31	0.	.0	1734.0	*	3	APR	1600	65	0.	.0	1734.0	*	5	APR	0200	99	0.	.0	1734.0
2	APR	0700	32	0.	.0	1734.0	*	3	APR	1700	66	0.	.0	1734.0	*	5	APR	0300	100	0.	.0	1734.0
2	APR	0800	33	0.	.0	1734.0	*	3	APR	1800	67	0.	.0	1734.0	*							
2	APR	0900	34	0.	.0	1734.0	*	3	APR	1900	68	0.	.0	1734.0	*							
							*								*							

PEAK FLOW		TIME		MAXIMUM AVERAGE FLOW			
+ (CFS)		(HR)		6-HR	24-HR	72-HR	99.00-HR
+ 31.		17.00		26.	10.	3.	3.
		(INCHES)		.347	.564	.565	.565
		(AC-FT)		13.	21.	21.	21.
PEAK STORAGE		TIME		MAXIMUM AVERAGE STORAGE			
+ (AC-FT)		(HR)		6-HR	24-HR	72-HR	99.00-HR

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6.	17.00	4.	1.	0.	0.
PEAK STAGE	TIME		MAXIMUM AVERAGE STAGE		
		6-HR	24-HR	72-HR	99.00-HR
1737.59	17.00	1736.87	1735.12	1734.37	1734.27

CUMULATIVE AREA = .69 SQ MI

418 KK NA

TRIBUTARY AREA FOR NASON BASIN

422 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

420 BA SUBBASIN CHARACTERISTICS

TAREA	4.33	SUBBASIN AREA
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PRECIPITATION DATA

421 PB STORM .77 BASIN TOTAL PRECIPITATION

423 PI INCREMENTAL PRECIPITATION PATTERN

.00	.01	.01	.01	.01	.01	.02	.02	.03
.04	.03	.05	.21	.21	.19	.11	.01	.00
.00	.00	.00	.00	.00	.00			

428 LU UNIFORM LOSS RATE

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

428 UI INPUT UNITGRAPH, 5 ORDINATES, VOLUME = 1.00

1923.0	641.0	175.0	27.0	26.0
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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	.00	.00	.00	8.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	12.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	15.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	18.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	22.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	26.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	33.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.02	.00	.02	42.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.02	.00	.02	55.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.03	.00	.03	72.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.03	.00	.03	72.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.04	.00	.04	99.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.16	.00	.16	346.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.16	.00	.16	423.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.15	.00	.15	420.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.08	.00	.08	288.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	97.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	37.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	18.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	13.	*	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	9.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	9.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	8.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	2.	*	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.

							SJR_10-yr.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 = .77, TOTAL LOSS = .00, TOTAL EXCESS = .77

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW 24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	423.	15.00	277.	90.	30.	22.
		(INCHES)	.595	.770	.773	.773
		(AC-FT)	137.	178.	178.	178.

CUMULATIVE AREA = 4.33 SQ MI

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*
431 KK * NB *
*

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

SJR_10-yr.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						*	DA MON HRMN ORD						*	DA MON HRMN ORD					
OUTFLOW						*	OUTFLOW						*	OUTFLOW					
STORAGE						*	STORAGE						*	STORAGE					
STAGE						*	STAGE						*	STAGE					
1 APR 0000	1	0.	.0	58.0	*		2 APR 1000	35	1.	.2	58.1	*		3 APR 2000	69	0.	.0	58.0	
1 APR 0100	2	0.	.0	58.0	*		2 APR 1100	36	1.	.2	58.1	*		3 APR 2100	70	0.	.0	58.0	
1 APR 0200	3	1.	.4	58.1	*		2 APR 1200	37	0.	.1	58.0	*		3 APR 2200	71	0.	.0	58.0	
1 APR 0300	4	4.	1.0	58.4	*		2 APR 1300	38	0.	.1	58.0	*		3 APR 2300	72	0.	.0	58.0	
1 APR 0400	5	6.	1.7	58.6	*		2 APR 1400	39	0.	.1	58.0	*		4 APR 0000	73	0.	.0	58.0	
1 APR 0500	6	10.	2.3	58.9	*		2 APR 1500	40	0.	.0	58.0	*		4 APR 0100	74	0.	.0	58.0	
1 APR 0600	7	16.	2.9	59.1	*		2 APR 1600	41	0.	.0	58.0	*		4 APR 0200	75	0.	.0	58.0	
1 APR 0700	8	21.	3.4	59.3	*		2 APR 1700	42	0.	.0	58.0	*		4 APR 0300	76	0.	.0	58.0	
1 APR 0800	9	26.	3.9	59.5	*		2 APR 1800	43	0.	.0	58.0	*		4 APR 0400	77	0.	.0	58.0	
1 APR 0900	10	33.	4.6	59.8	*		2 APR 1900	44	0.	.0	58.0	*		4 APR 0500	78	0.	.0	58.0	
1 APR 1000	11	43.	5.4	60.0	*		2 APR 2000	45	0.	.0	58.0	*		4 APR 0600	79	0.	.0	58.0	
1 APR 1100	12	50.	6.8	60.2	*		2 APR 2100	46	0.	.0	58.0	*		4 APR 0700	80	0.	.0	58.0	
1 APR 1200	13	57.	8.4	60.4	*		2 APR 2200	47	0.	.0	58.0	*		4 APR 0800	81	0.	.0	58.0	
1 APR 1300	14	67.	10.3	60.6	*		2 APR 2300	48	0.	.0	58.0	*		4 APR 0900	82	0.	.0	58.0	
1 APR 1400	15	129.	20.7	61.9	*		3 APR 0000	49	0.	.0	58.0	*		4 APR 1000	83	0.	.0	58.0	
1 APR 1500	16	208.	38.5	63.3	*		3 APR 0100	50	0.	.0	58.0	*		4 APR 1100	84	0.	.0	58.0	
1 APR 1600	17	254.	54.3	64.4	*		3 APR 0200	51	0.	.0	58.0	*		4 APR 1200	85	0.	.0	58.0	
1 APR 1700	18	268.	62.0	64.9	*		3 APR 0300	52	0.	.0	58.0	*		4 APR 1300	86	0.	.0	58.0	
1 APR 1800	19	257.	56.2	64.6	*		3 APR 0400	53	0.	.0	58.0	*		4 APR 1400	87	0.	.0	58.0	
1 APR 1900	20	222.	41.9	63.6	*		3 APR 0500	54	0.	.0	58.0	*		4 APR 1500	88	0.	.0	58.0	
1 APR 2000	21	167.	28.2	62.5	*		3 APR 0600	55	0.	.0	58.0	*		4 APR 1600	89	0.	.0	58.0	
1 APR 2100	22	111.	18.0	61.5	*		3 APR 0700	56	0.	.0	58.0	*		4 APR 1700	90	0.	.0	58.0	
1 APR 2200	23	73.	11.4	60.8	*		3 APR 0800	57	0.	.0	58.0	*		4 APR 1800	91	0.	.0	58.0	
1 APR 2300	24	51.	7.1	60.2	*		3 APR 0900	58	0.	.0	58.0	*		4 APR 1900	92	0.	.0	58.0	
2 APR 0000	25	32.	4.4	59.7	*		3 APR 1000	59	0.	.0	58.0	*		4 APR 2000	93	0.	.0	58.0	
2 APR 0100	26	18.	3.1	59.2	*		3 APR 1100	60	0.	.0	58.0	*		4 APR 2100	94	0.	.0	58.0	
2 APR 0200	27	10.	2.3	58.9	*		3 APR 1200	61	0.	.0	58.0	*		4 APR 2200	95	0.	.0	58.0	
2 APR 0300	28	7.	1.8	58.7	*		3 APR 1300	62	0.	.0	58.0	*		4 APR 2300	96	0.	.0	58.0	

SJRW_10-yr.out																
2 APR 0400	29	5.	1.3	58.5	*	3 APR 1400	63	0.	.0	58.0	*	5 APR 0000	97	0.	.0	58.0
2 APR 0500	30	4.	1.0	58.4	*	3 APR 1500	64	0.	.0	58.0	*	5 APR 0100	98	0.	.0	58.0
2 APR 0600	31	3.	.7	58.3	*	3 APR 1600	65	0.	.0	58.0	*	5 APR 0200	99	0.	.0	58.0
2 APR 0700	32	2.	.5	58.2	*	3 APR 1700	66	0.	.0	58.0	*	5 APR 0300	100	0.	.0	58.0
2 APR 0800	33	1.	.4	58.2	*	3 APR 1800	67	0.	.0	58.0	*					
2 APR 0900	34	1.	.3	58.1	*	3 APR 1900	68	0.	.0	58.0	*					

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	268.	17.00	226.	89.	30.	22.
		(INCHES)	.486	.764	.773	.773
		(AC-FT)	112.	176.	178.	178.

PEAK STORAGE	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(AC-FT)	(HR)				
	62.	17.00	46.	17.	6.	4.

PEAK STAGE	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(FEET)	(HR)				
	64.93	17.00	63.83	60.87	58.99	58.72

CUMULATIVE AREA = 4.33 SQ MI

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 440 KK * 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

442 BA SUBBASIN CHARACTERISTICS
TAREA 4.34 SUBBASIN AREA

PRECIPITATION DATA

443 PB STORM .70 BASIN TOTAL PRECIPITATION

445 PI INCREMENTAL PRECIPITATION PATTERN

.00	.01	.01	.01	.01	.01	.01	.02	.02	.03
.04	.03	.05	.21	.21	.19	.10	.01	.01	.01
.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	.00	.00	.00	8.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	11.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	16.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	19.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	24.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	26.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	32.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.02	.00	.02	42.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.02	.00	.02	54.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.03	.00	.03	67.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.02	.00	.02	67.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.04	.00	.04	92.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.14	.00	.14	313.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.14	.00	.14	379.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.13	.00	.13	375.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.07	.00	.07	247.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	81.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	33.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	17.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	12.	*	3	APR	2300	72	.00	.00	.00	0.

										SJR_10-yr.out						
1	APR	2200	23	.00	.00	.00	9.	*	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	8.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	7.	*	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	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 = .70, TOTAL LOSS = .00, TOTAL EXCESS = .70

PEAK FLOW		TIME	MAXIMUM AVERAGE FLOW			
+	(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
+	379.	15.00	(CFS)			
			247.	81.	27.	20.
		(INCHES)	.529	.694	.697	.697
		(AC-FT)	122.	161.	161.	161.

CUMULATIVE AREA = 4.34 SQ MI

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 455 KK * CP1 *

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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	137.	*	3	APR	0200	51	0.	*	4	APR	0300	76	0.	*
1	APR	0100	2	2.	*	2	APR	0200	27	123.	*	3	APR	0300	52	0.	*	4	APR	0400	77	0.	*
1	APR	0200	3	19.	*	2	APR	0300	28	115.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.	*
1	APR	0300	4	32.	*	2	APR	0400	29	112.	*	3	APR	0500	54	0.	*	4	APR	0600	79	0.	*
1	APR	0400	5	42.	*	2	APR	0500	30	109.	*	3	APR	0600	55	0.	*	4	APR	0700	80	0.	*
1	APR	0500	6	54.	*	2	APR	0600	31	107.	*	3	APR	0700	56	0.	*	4	APR	0800	81	0.	*
1	APR	0600	7	71.	*	2	APR	0700	32	105.	*	3	APR	0800	57	0.	*	4	APR	0900	82	0.	*
1	APR	0700	8	85.	*	2	APR	0800	33	103.	*	3	APR	0900	58	0.	*	4	APR	1000	83	0.	*
1	APR	0800	9	105.	*	2	APR	0900	34	102.	*	3	APR	1000	59	0.	*	4	APR	1100	84	0.	*
1	APR	0900	10	133.	*	2	APR	1000	35	101.	*	3	APR	1100	60	0.	*	4	APR	1200	85	0.	*
1	APR	1000	11	167.	*	2	APR	1100	36	100.	*	3	APR	1200	61	0.	*	4	APR	1300	86	0.	*
1	APR	1100	12	196.	*	2	APR	1200	37	98.	*	3	APR	1300	62	0.	*	4	APR	1400	87	0.	*
1	APR	1200	13	211.	*	2	APR	1300	38	96.	*	3	APR	1400	63	0.	*	4	APR	1500	88	0.	*
1	APR	1300	14	253.	*	2	APR	1400	39	89.	*	3	APR	1500	64	0.	*	4	APR	1600	89	0.	*
1	APR	1400	15	557.	*	2	APR	1500	40	74.	*	3	APR	1600	65	0.	*	4	APR	1700	90	0.	*
1	APR	1500	16	725.	*	2	APR	1600	41	57.	*	3	APR	1700	66	0.	*	4	APR	1800	91	0.	*
1	APR	1600	17	781.	*	2	APR	1700	42	37.	*	3	APR	1800	67	0.	*	4	APR	1900	92	0.	*
1	APR	1700	18	673.	*	2	APR	1800	43	23.	*	3	APR	1900	68	0.	*	4	APR	2000	93	0.	*
1	APR	1800	19	492.	*	2	APR	1900	44	16.	*	3	APR	2000	69	0.	*	4	APR	2100	94	0.	*
1	APR	1900	20	401.	*	2	APR	2000	45	0.	*	3	APR	2100	70	0.	*	4	APR	2200	95	0.	*
1	APR	2000	21	321.	*	2	APR	2100	46	0.	*	3	APR	2200	71	0.	*	4	APR	2300	96	0.	*
1	APR	2100	22	250.	*	2	APR	2200	47	0.	*	3	APR	2300	72	0.	*	5	APR	0000	97	0.	*
1	APR	2200	23	202.	*	2	APR	2300	48	0.	*	4	APR	0000	73	0.	*	5	APR	0100	98	0.	*
1	APR	2300	24	177.	*	3	APR	0000	49	0.	*	4	APR	0100	74	0.	*	5	APR	0200	99	0.	*
2	APR	0000	25	154.	*	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
+	781.	16.00	592.	275.	108.	79.
		(INCHES)	.282	.523	.619	.619

(AC-FT) 294. 546. SJR_10-yr.out
 645. 645.
 CUMULATIVE AREA = 19.56 SQ MI

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

462 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

460 BA SUBBASIN CHARACTERISTICS
 TAREA 62.87 SUBBASIN AREA

PRECIPITATION DATA

461 PB STORM .59 BASIN TOTAL PRECIPITATION

463 PI INCREMENTAL PRECIPITATION PATTERN
 .00 .01 .01 .01 .01 .01 .02 .02 .02 .03
 .04 .03 .05 .21 .20 .19 .10 .01 .01 .01
 .00 .00 .00 .00 .00 .00

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

468 UI INPUT UNITGRAPH, 11 ORDINATES, VOLUME = 1.00
 13598.0 14837.0 4768.0 2487.0 1625.0 1087.0 788.0 579.0 300.0 300.0
 182.0

HYDROGRAPH AT STATION CP4A

SJR_10-yr.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	5.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	49.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	100.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	148.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	193.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	238.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	290.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	358.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.01	.00	.01	446.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.02	.00	.02	576.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.02	.00	.02	729.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.02	.00	.02	795.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.03	.00	.03	943.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.12	.00	.12	2349.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.12	.00	.12	3743.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.11	.00	.11	4074.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.06	.00	.06	3436.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	2017.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	1068.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	731.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	527.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	389.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	298.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	228.	*	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	99.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	40.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	19.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	12.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	8.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	5.	*	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	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.	SJR_10-yr.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 = .59, TOTAL LOSS = .00, TOTAL EXCESS = .59

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)					
+	4074.	16.00	(CFS)	2771.	997.	335.	243.
			(INCHES)	.410	.590	.594	.594
			(AC-FT)	1374.	1977.	1991.	1991.

CUMULATIVE AREA = 62.87 SQ MI

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 *
 472 KK * SEATA *
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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 .67 BASIN TOTAL PRECIPITATION

477 PI INCREMENTAL PRECIPITATION PATTERN

.00	.01	.01	.01	.01	.01	.01	.02	.02	.03
.03	.03	.05	.21	.21	.19	.10	.01	.01	.01
.00	.00	.00	.00	.00	.00				

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	.00	.00	.00	5.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	8.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	10.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	12.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	16.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	17.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	21.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.01	.00	.01	26.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.02	.00	.02	35.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.02	.00	.02	43.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.02	.00	.02	42.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.04	.00	.04	62.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.14	.00	.14	220.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.14	.00	.14	260.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.13	.00	.13	254.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.07	.00	.07	166.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	49.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	19.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	11.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	8.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	6.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	6.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	5.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	5.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	1.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	0.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	0.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	0.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	0.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	0.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	0.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	0.	*	4	APR	1100	84	.00	.00	.00	0.

							SJR_10-yr.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 = .67, TOTAL LOSS = .00, TOTAL EXCESS = .67

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
(CFS)	(HR)	(CFS)				
+	260.	15.00	168.	54.	18.	13.
		(INCHES)	.519	.671	.673	.673
		(AC-FT)	83.	108.	108.	108.

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

SJRW_10-yr.out
SUM OF 3 HYDROGRAPHS

				*					*					*			
DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
					*						*						*
1	APR	0000	1	0.	*	2	APR	0100	26	311.	*	3	APR	0200	51	0.	*
1	APR	0100	2	8.	*	2	APR	0200	27	223.	*	3	APR	0300	52	0.	*
1	APR	0200	3	74.	*	2	APR	0300	28	155.	*	3	APR	0400	53	0.	*
1	APR	0300	4	140.	*	2	APR	0400	29	131.	*	3	APR	0500	54	0.	*
1	APR	0400	5	200.	*	2	APR	0500	30	121.	*	3	APR	0600	55	0.	*
1	APR	0500	6	259.	*	2	APR	0600	31	115.	*	3	APR	0700	56	0.	*
1	APR	0600	7	325.	*	2	APR	0700	32	110.	*	3	APR	0800	57	0.	*
1	APR	0700	8	392.	*	2	APR	0800	33	107.	*	3	APR	0900	58	0.	*
1	APR	0800	9	484.	*	2	APR	0900	34	104.	*	3	APR	1000	59	0.	*
1	APR	0900	10	605.	*	2	APR	1000	35	102.	*	3	APR	1100	60	0.	*
1	APR	1000	11	778.	*	2	APR	1100	36	100.	*	3	APR	1200	61	0.	*
1	APR	1100	12	968.	*	2	APR	1200	37	98.	*	3	APR	1300	62	0.	*
1	APR	1200	13	1048.	*	2	APR	1300	38	96.	*	3	APR	1400	63	0.	*
1	APR	1300	14	1258.	*	2	APR	1400	39	89.	*	3	APR	1500	64	0.	*
1	APR	1400	15	3126.	*	2	APR	1500	40	74.	*	3	APR	1600	65	0.	*
1	APR	1500	16	4728.	*	2	APR	1600	41	57.	*	3	APR	1700	66	0.	*
1	APR	1600	17	5109.	*	2	APR	1700	42	37.	*	3	APR	1800	67	0.	*
1	APR	1700	18	4274.	*	2	APR	1800	43	23.	*	3	APR	1900	68	0.	*
1	APR	1800	19	2559.	*	2	APR	1900	44	16.	*	3	APR	2000	69	0.	*
1	APR	1900	20	1488.	*	2	APR	2000	45	0.	*	3	APR	2100	70	0.	*
1	APR	2000	21	1063.	*	2	APR	2100	46	0.	*	3	APR	2200	71	0.	*
1	APR	2100	22	784.	*	2	APR	2200	47	0.	*	3	APR	2300	72	0.	*
1	APR	2200	23	597.	*	2	APR	2300	48	0.	*	4	APR	0000	73	0.	*
1	APR	2300	24	480.	*	3	APR	0000	49	0.	*	4	APR	0100	74	0.	*
2	APR	0000	25	388.	*	3	APR	0100	50	0.	*	4	APR	0200	75	0.	*

PEAK FLOW		TIME	MAXIMUM AVERAGE FLOW			
+	(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
+	5109.	16.00	3528.	1316.	461.	335.
		(INCHES)	.384	.573	.602	.602
		(AC-FT)	1750.	2611.	2744.	2744.

CUMULATIVE AREA = 85.44 SQ MI

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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	744.	*	3	APR	0200	51	5671.	*	4	APR	0300	76	2263.	*
1	APR	0100	2	12.	*	2	APR	0200	27	687.	*	3	APR	0300	52	5528.	*	4	APR	0400	77	2137.	*
1	APR	0200	3	98.	*	2	APR	0300	28	676.	*	3	APR	0400	53	5362.	*	4	APR	0500	78	2016.	*
1	APR	0300	4	189.	*	2	APR	0400	29	752.	*	3	APR	0500	54	5180.	*	4	APR	0600	79	1832.	*
1	APR	0400	5	266.	*	2	APR	0500	30	898.	*	3	APR	0600	55	4990.	*	4	APR	0700	80	1662.	*
1	APR	0500	6	345.	*	2	APR	0600	31	1076.	*	3	APR	0700	56	4796.	*	4	APR	0800	81	1518.	*
1	APR	0600	7	430.	*	2	APR	0700	32	1321.	*	3	APR	0800	57	4610.	*	4	APR	0900	82	1396.	*
1	APR	0700	8	520.	*	2	APR	0800	33	1599.	*	3	APR	0900	58	4437.	*	4	APR	1000	83	1293.	*
1	APR	0800	9	636.	*	2	APR	0900	34	1895.	*	3	APR	1000	59	4274.	*	4	APR	1100	84	1204.	*
1	APR	0900	10	795.	*	2	APR	1000	35	2173.	*	3	APR	1100	60	4118.	*	4	APR	1200	85	1128.	*
1	APR	1000	11	1023.	*	2	APR	1100	36	2376.	*	3	APR	1200	61	3980.	*	4	APR	1300	86	1062.	*
1	APR	1100	12	1269.	*	2	APR	1200	37	2621.	*	3	APR	1300	62	3891.	*	4	APR	1400	87	1004.	*
1	APR	1200	13	1387.	*	2	APR	1300	38	2916.	*	3	APR	1400	63	3796.	*	4	APR	1500	88	963.	*
1	APR	1300	14	1682.	*	2	APR	1400	39	3241.	*	3	APR	1500	64	3697.	*	4	APR	1600	89	926.	*
1	APR	1400	15	4058.	*	2	APR	1500	40	3575.	*	3	APR	1600	65	3593.	*	4	APR	1700	90	892.	*
1	APR	1500	16	6170.	*	2	APR	1600	41	3910.	*	3	APR	1700	66	3486.	*	4	APR	1800	91	859.	*
1	APR	1600	17	6627.	*	2	APR	1700	42	4357.	*	3	APR	1800	67	3376.	*	4	APR	1900	92	829.	*
1	APR	1700	18	5613.	*	2	APR	1800	43	4837.	*	3	APR	1900	68	3262.	*	4	APR	2000	93	801.	*
1	APR	1800	19	3450.	*	2	APR	1900	44	5222.	*	3	APR	2000	69	3145.	*	4	APR	2100	94	774.	*
1	APR	1900	20	2099.	*	2	APR	2000	45	5499.	*	3	APR	2100	70	3027.	*	4	APR	2200	95	750.	*
1	APR	2000	21	1562.	*	2	APR	2100	46	5700.	*	3	APR	2200	71	2909.	*	4	APR	2300	96	727.	*
1	APR	2100	22	1231.	*	2	APR	2200	47	5817.	*	3	APR	2300	72	2787.	*	5	APR	0000	97	706.	*
1	APR	2200	23	1022.	*	2	APR	2300	48	5861.	*	4	APR	0000	73	2658.	*	5	APR	0100	98	687.	*
1	APR	2300	24	900.	*	3	APR	0000	49	5845.	*	4	APR	0100	74	2526.	*	5	APR	0200	99	669.	*
2	APR	0000	25	810.	*	3	APR	0100	50	5780.	*	4	APR	0200	75	2393.	*	5	APR	0300	100	652.	*

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	99.00-HR
(CFS)	(HR)			24-HR	72-HR
+	6627.	16.00	5765.	4879.	3178.
+					2500.

			SJR_10-yr.out	
(INCHES)	.097	.330	.645	.697
(AC-FT)	2859.	9678.	18912.	20454.

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

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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

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SUBBASIN RUNOFF DATA

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

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PRECIPITATION DATA

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498 PB      STORM      .69      BASIN TOTAL PRECIPITATION

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500 PI      INCREMENTAL PRECIPITATION PATTERN
              .00      .00      .01      .01      .01      .01      .02      .02      .02      .03
              .04      .03      .06      .23      .20      .19      .09      .01      .01      .00
              .00      .00      .00      .00      .00      .00

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

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

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SJR_10-yr.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	1.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	7.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	10.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	14.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	18.	*	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	27.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	29.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.02	.00	.02	40.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.02	.00	.02	54.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.02	.00	.02	63.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.02	.00	.02	64.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.04	.00	.04	100.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.16	.00	.16	337.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.14	.00	.14	371.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.13	.00	.13	362.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.06	.00	.06	222.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	69.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	28.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	15.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	11.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	8.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	8.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	8.	*	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.
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.

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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 = .69, TOTAL LOSS = .00, TOTAL EXCESS = .69

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
(CFS)	(HR)	(CFS)				
+	371.	15.00	243.	79.	26.	19.
		(INCHES)	.529	.686	.688	.688
		(AC-FT)	121.	156.	157.	157.
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	2.	*	3	APR	0200	51	0.	*	4	APR	0300	76	0.	*
1	APR	0100	2	0.	*	2	APR	0200	27	1.	*	3	APR	0300	52	0.	*	4	APR	0400	77	0.	*
1	APR	0200	3	2.	*	2	APR	0300	28	0.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.	*
1	APR	0300	4	3.	*	2	APR	0400	29	0.	*	3	APR	0500	54	0.	*	4	APR	0600	79	0.	*
1	APR	0400	5	4.	*	2	APR	0500	30	0.	*	3	APR	0600	55	0.	*	4	APR	0700	80	0.	*
1	APR	0500	6	5.	*	2	APR	0600	31	0.	*	3	APR	0700	56	0.	*	4	APR	0800	81	0.	*
1	APR	0600	7	7.	*	2	APR	0700	32	0.	*	3	APR	0800	57	0.	*	4	APR	0900	82	0.	*
1	APR	0700	8	8.	*	2	APR	0800	33	0.	*	3	APR	0900	58	0.	*	4	APR	1000	83	0.	*
1	APR	0800	9	9.	*	2	APR	0900	34	0.	*	3	APR	1000	59	0.	*	4	APR	1100	84	0.	*
1	APR	0900	10	12.	*	2	APR	1000	35	0.	*	3	APR	1100	60	0.	*	4	APR	1200	85	0.	*
1	APR	1000	11	16.	*	2	APR	1100	36	0.	*	3	APR	1200	61	0.	*	4	APR	1300	86	0.	*
1	APR	1100	12	19.	*	2	APR	1200	37	0.	*	3	APR	1300	62	0.	*	4	APR	1400	87	0.	*
1	APR	1200	13	19.	*	2	APR	1300	38	0.	*	3	APR	1400	63	0.	*	4	APR	1500	88	0.	*
1	APR	1300	14	30.	*	2	APR	1400	39	0.	*	3	APR	1500	64	0.	*	4	APR	1600	89	0.	*
1	APR	1400	15	101.	*	2	APR	1500	40	0.	*	3	APR	1600	65	0.	*	4	APR	1700	90	0.	*
1	APR	1500	16	111.	*	2	APR	1600	41	0.	*	3	APR	1700	66	0.	*	4	APR	1800	91	0.	*
1	APR	1600	17	108.	*	2	APR	1700	42	0.	*	3	APR	1800	67	0.	*	4	APR	1900	92	0.	*
1	APR	1700	18	67.	*	2	APR	1800	43	0.	*	3	APR	1900	68	0.	*	4	APR	2000	93	0.	*
1	APR	1800	19	21.	*	2	APR	1900	44	0.	*	3	APR	2000	69	0.	*	4	APR	2100	94	0.	*
1	APR	1900	20	8.	*	2	APR	2000	45	0.	*	3	APR	2100	70	0.	*	4	APR	2200	95	0.	*

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1 APR 2000	21	4.	*	2 APR 2100	46	0.	*	3 APR 2200	71	0.	*	4 APR 2300	96	0.
1 APR 2100	22	3.	*	2 APR 2200	47	0.	*	3 APR 2300	72	0.	*	5 APR 0000	97	0.
1 APR 2200	23	2.	*	2 APR 2300	48	0.	*	4 APR 0000	73	0.	*	5 APR 0100	98	0.
1 APR 2300	24	2.	*	3 APR 0000	49	0.	*	4 APR 0100	74	0.	*	5 APR 0200	99	0.
2 APR 0000	25	2.	*	3 APR 0100	50	0.	*	4 APR 0200	75	0.	*	5 APR 0300	100	0.

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)		6-HR	24-HR	72-HR	99.00-HR
+	111.	15.00				
		(CFS)	73.	24.	8.	6.
		(INCHES)	.159	.206	.206	.206
		(AC-FT)	36.	47.	47.	47.
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 .69 BASIN TOTAL PRECIPITATION

518 PI INCREMENTAL PRECIPITATION PATTERN

.00	.00	.01	.01	.01	.01	.02	.02	.02	.03
.04	.03	.06	.23	.20	.19	.09	.01	.01	.00
.00	.00	.00	.00	.00	.00				

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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	1.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	7.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	10.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	13.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	17.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	22.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	26.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	29.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.02	.00	.02	39.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.02	.00	.02	52.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.02	.00	.02	61.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.02	.00	.02	63.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.04	.00	.04	98.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.16	.00	.16	326.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.14	.00	.14	352.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.13	.00	.13	352.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.06	.00	.06	225.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	83.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	45.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	24.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	14.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	9.	*	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	8.	*	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	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.

							SJR_10-yr.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 = .69, TOTAL LOSS = .00, TOTAL EXCESS = .69

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
(CFS)	(HR)	(CFS)				
+	352.	15.00	238.	79.	26.	19.
		(INCHES)	.518	.685	.688	.688
		(AC-FT)	118.	156.	157.	157.

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	4.	*	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	1.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.	
1	APR	0300	4	7.	*	2	APR	0400	29	0.	*	3	APR	0500	54	0.	*	4	APR	0600	79	0.	
1	APR	0400	5	9.	*	2	APR	0500	30	0.	*	3	APR	0600	55	0.	*	4	APR	0700	80	0.	
1	APR	0500	6	12.	*	2	APR	0600	31	0.	*	3	APR	0700	56	0.	*	4	APR	0800	81	0.	
1	APR	0600	7	15.	*	2	APR	0700	32	0.	*	3	APR	0800	57	0.	*	4	APR	0900	82	0.	
1	APR	0700	8	18.	*	2	APR	0800	33	0.	*	3	APR	0900	58	0.	*	4	APR	1000	83	0.	
1	APR	0800	9	20.	*	2	APR	0900	34	0.	*	3	APR	1000	59	0.	*	4	APR	1100	84	0.	

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1 APR 0900	10	27.	*	2 APR 1000	35	0.	*	3 APR 1100	60	0.	*	4 APR 1200	85	0.
1 APR 1000	11	37.	*	2 APR 1100	36	0.	*	3 APR 1200	61	0.	*	4 APR 1300	86	0.
1 APR 1100	12	43.	*	2 APR 1200	37	0.	*	3 APR 1300	62	0.	*	4 APR 1400	87	0.
1 APR 1200	13	44.	*	2 APR 1300	38	0.	*	3 APR 1400	63	0.	*	4 APR 1500	88	0.
1 APR 1300	14	69.	*	2 APR 1400	39	0.	*	3 APR 1500	64	0.	*	4 APR 1600	89	0.
1 APR 1400	15	228.	*	2 APR 1500	40	0.	*	3 APR 1600	65	0.	*	4 APR 1700	90	0.
1 APR 1500	16	247.	*	2 APR 1600	41	0.	*	3 APR 1700	66	0.	*	4 APR 1800	91	0.
1 APR 1600	17	246.	*	2 APR 1700	42	0.	*	3 APR 1800	67	0.	*	4 APR 1900	92	0.
1 APR 1700	18	158.	*	2 APR 1800	43	0.	*	3 APR 1900	68	0.	*	4 APR 2000	93	0.
1 APR 1800	19	58.	*	2 APR 1900	44	0.	*	3 APR 2000	69	0.	*	4 APR 2100	94	0.
1 APR 1900	20	31.	*	2 APR 2000	45	0.	*	3 APR 2100	70	0.	*	4 APR 2200	95	0.
1 APR 2000	21	16.	*	2 APR 2100	46	0.	*	3 APR 2200	71	0.	*	4 APR 2300	96	0.
1 APR 2100	22	10.	*	2 APR 2200	47	0.	*	3 APR 2300	72	0.	*	5 APR 0000	97	0.
1 APR 2200	23	7.	*	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	5.	*	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)					
+	247.	15.00					
		(CFS)	166.	55.	18.	13.	
		(INCHES)	.362	.480	.481	.481	
		(AC-FT)	83.	109.	110.	110.	
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

SJR_10-yr.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	6.	*	3	APR	0200	51	0.	*	4	APR	0300	76	0.	*
1	APR	0100	2	1.	*	2	APR	0200	27	2.	*	3	APR	0300	52	0.	*	4	APR	0400	77	0.	*
1	APR	0200	3	7.	*	2	APR	0300	28	1.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.	*
1	APR	0300	4	10.	*	2	APR	0400	29	0.	*	3	APR	0500	54	0.	*	4	APR	0600	79	0.	*
1	APR	0400	5	13.	*	2	APR	0500	30	0.	*	3	APR	0600	55	0.	*	4	APR	0700	80	0.	*
1	APR	0500	6	17.	*	2	APR	0600	31	0.	*	3	APR	0700	56	0.	*	4	APR	0800	81	0.	*
1	APR	0600	7	22.	*	2	APR	0700	32	0.	*	3	APR	0800	57	0.	*	4	APR	0900	82	0.	*
1	APR	0700	8	26.	*	2	APR	0800	33	0.	*	3	APR	0900	58	0.	*	4	APR	1000	83	0.	*
1	APR	0800	9	29.	*	2	APR	0900	34	0.	*	3	APR	1000	59	0.	*	4	APR	1100	84	0.	*
1	APR	0900	10	39.	*	2	APR	1000	35	0.	*	3	APR	1100	60	0.	*	4	APR	1200	85	0.	*
1	APR	1000	11	53.	*	2	APR	1100	36	0.	*	3	APR	1200	61	0.	*	4	APR	1300	86	0.	*
1	APR	1100	12	62.	*	2	APR	1200	37	0.	*	3	APR	1300	62	0.	*	4	APR	1400	87	0.	*
1	APR	1200	13	63.	*	2	APR	1300	38	0.	*	3	APR	1400	63	0.	*	4	APR	1500	88	0.	*
1	APR	1300	14	99.	*	2	APR	1400	39	0.	*	3	APR	1500	64	0.	*	4	APR	1600	89	0.	*
1	APR	1400	15	329.	*	2	APR	1500	40	0.	*	3	APR	1600	65	0.	*	4	APR	1700	90	0.	*
1	APR	1500	16	358.	*	2	APR	1600	41	0.	*	3	APR	1700	66	0.	*	4	APR	1800	91	0.	*
1	APR	1600	17	355.	*	2	APR	1700	42	0.	*	3	APR	1800	67	0.	*	4	APR	1900	92	0.	*
1	APR	1700	18	224.	*	2	APR	1800	43	0.	*	3	APR	1900	68	0.	*	4	APR	2000	93	0.	*
1	APR	1800	19	79.	*	2	APR	1900	44	0.	*	3	APR	2000	69	0.	*	4	APR	2100	94	0.	*
1	APR	1900	20	40.	*	2	APR	2000	45	0.	*	3	APR	2100	70	0.	*	4	APR	2200	95	0.	*
1	APR	2000	21	21.	*	2	APR	2100	46	0.	*	3	APR	2200	71	0.	*	4	APR	2300	96	0.	*
1	APR	2100	22	13.	*	2	APR	2200	47	0.	*	3	APR	2300	72	0.	*	5	APR	0000	97	0.	*
1	APR	2200	23	9.	*	2	APR	2300	48	0.	*	4	APR	0000	73	0.	*	5	APR	0100	98	0.	*
1	APR	2300	24	8.	*	3	APR	0000	49	0.	*	4	APR	0100	74	0.	*	5	APR	0200	99	0.	*
2	APR	0000	25	8.	*	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)				
+	358.	15.00				
		(CFS)	239.	79.	26.	19.
		(INCHES)	.261	.343	.344	.344
		(AC-FT)	119.	156.	157.	157.

CUMULATIVE AREA = 8.54 SQ MI

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533 KK H US@215

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	750.	*	3	APR	0200	51	5671.	*	4	APR	0300	76	2263.
1	APR	0100	2	14.	*	2	APR	0200	27	688.	*	3	APR	0300	52	5528.	*	4	APR	0400	77	2137.
1	APR	0200	3	105.	*	2	APR	0300	28	676.	*	3	APR	0400	53	5362.	*	4	APR	0500	78	2016.
1	APR	0300	4	199.	*	2	APR	0400	29	753.	*	3	APR	0500	54	5180.	*	4	APR	0600	79	1832.
1	APR	0400	5	280.	*	2	APR	0500	30	898.	*	3	APR	0600	55	4990.	*	4	APR	0700	80	1662.
1	APR	0500	6	362.	*	2	APR	0600	31	1076.	*	3	APR	0700	56	4796.	*	4	APR	0800	81	1518.
1	APR	0600	7	452.	*	2	APR	0700	32	1321.	*	3	APR	0800	57	4610.	*	4	APR	0900	82	1396.
1	APR	0700	8	546.	*	2	APR	0800	33	1599.	*	3	APR	0900	58	4437.	*	4	APR	1000	83	1293.
1	APR	0800	9	665.	*	2	APR	0900	34	1895.	*	3	APR	1000	59	4274.	*	4	APR	1100	84	1204.
1	APR	0900	10	834.	*	2	APR	1000	35	2173.	*	3	APR	1100	60	4118.	*	4	APR	1200	85	1128.
1	APR	1000	11	1076.	*	2	APR	1100	36	2376.	*	3	APR	1200	61	3980.	*	4	APR	1300	86	1062.
1	APR	1100	12	1331.	*	2	APR	1200	37	2621.	*	3	APR	1300	62	3891.	*	4	APR	1400	87	1004.
1	APR	1200	13	1450.	*	2	APR	1300	38	2916.	*	3	APR	1400	63	3796.	*	4	APR	1500	88	963.
1	APR	1300	14	1781.	*	2	APR	1400	39	3241.	*	3	APR	1500	64	3697.	*	4	APR	1600	89	926.
1	APR	1400	15	4387.	*	2	APR	1500	40	3575.	*	3	APR	1600	65	3593.	*	4	APR	1700	90	892.
1	APR	1500	16	6528.	*	2	APR	1600	41	3910.	*	3	APR	1700	66	3486.	*	4	APR	1800	91	859.
1	APR	1600	17	6982.	*	2	APR	1700	42	4357.	*	3	APR	1800	67	3376.	*	4	APR	1900	92	829.
1	APR	1700	18	5838.	*	2	APR	1800	43	4837.	*	3	APR	1900	68	3262.	*	4	APR	2000	93	801.
1	APR	1800	19	3529.	*	2	APR	1900	44	5222.	*	3	APR	2000	69	3145.	*	4	APR	2100	94	774.
1	APR	1900	20	2139.	*	2	APR	2000	45	5499.	*	3	APR	2100	70	3027.	*	4	APR	2200	95	750.
1	APR	2000	21	1583.	*	2	APR	2100	46	5700.	*	3	APR	2200	71	2909.	*	4	APR	2300	96	727.
1	APR	2100	22	1244.	*	2	APR	2200	47	5817.	*	3	APR	2300	72	2787.	*	5	APR	0000	97	706.
1	APR	2200	23	1031.	*	2	APR	2300	48	5861.	*	4	APR	0000	73	2658.	*	5	APR	0100	98	687.
1	APR	2300	24	908.	*	3	APR	0000	49	5845.	*	4	APR	0100	74	2526.	*	5	APR	0200	99	669.
2	APR	0000	25	818.	*	3	APR	0100	50	5780.	*	4	APR	0200	75	2393.	*	5	APR	0300	100	652.

PEAK FLOW	TIME		MAXIMUM	AVERAGE FLOW		
			6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
+	6982.	16.00				
		(CFS)				
		(INCHES)				
		(AC-FT)				
			5765.	4879.	3201.	2519.
			.096	.325	.640	.692
			2859.	9678.	19048.	20611.

SJR_10-yr.out

CUMULATIVE AREA = 558.46 SQ MI

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

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 * *
 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
						*							*				
1	APR	0000	1	0.	.00	*	2	APR	1000	35	1663.	226.77	*	3	APR	2000	69
1	APR	0100	2	0.	.03	*	2	APR	1100	36	1583.	211.06	*	3	APR	2100	70
1	APR	0200	3	4.	.39	*	2	APR	1200	37	1580.	210.40	*	3	APR	2200	71
1	APR	0300	4	17.	1.81	*	2	APR	1300	38	1631.	220.54	*	3	APR	2300	72
1	APR	0400	5	48.	5.01	*	2	APR	1400	39	1718.	237.45	*	4	APR	0000	73
1	APR	0500	6	97.	10.05	*	2	APR	1500	40	1817.	256.82	*	4	APR	0100	74
1	APR	0600	7	159.	16.52	*	2	APR	1600	41	1913.	275.72	*	4	APR	0200	75

SJR_10-yr.out													
1 APR 0700	8	231.	23.98	*	2 APR 1700	42	2005.	294.97	*	4 APR 0300	76	3743.	1104.41
1 APR 0800	9	310.	32.27	*	2 APR 1800	43	2055.	318.36	*	4 APR 0400	77	3682.	1076.12
1 APR 0900	10	401.	41.69	*	2 APR 1900	44	2121.	348.96	*	4 APR 0500	78	3616.	1045.38
1 APR 1000	11	514.	53.29	*	2 APR 2000	45	2203.	387.42	*	4 APR 0600	79	3545.	1012.26
1 APR 1100	12	668.	67.08	*	2 APR 2100	46	2304.	434.44	*	4 APR 0700	80	3469.	976.82
1 APR 1200	13	829.	81.57	*	2 APR 2200	47	2427.	491.42	*	4 APR 0800	81	3388.	939.07
1 APR 1300	14	965.	93.81	*	2 APR 2300	48	2574.	559.84	*	4 APR 0900	82	3302.	899.05
1 APR 1400	15	1056.	107.91	*	3 APR 0000	49	2744.	639.39	*	4 APR 1000	83	3211.	856.82
1 APR 1500	16	1191.	134.35	*	3 APR 0100	50	2939.	730.16	*	4 APR 1100	84	3115.	812.17
1 APR 1600	17	1410.	177.21	*	3 APR 0200	51	3174.	839.60	*	4 APR 1200	85	3013.	764.44
1 APR 1700	18	1666.	227.40	*	3 APR 0300	52	3444.	965.10	*	4 APR 1300	86	2903.	713.24
1 APR 1800	19	1919.	276.89	*	3 APR 0400	53	3715.	1091.55	*	4 APR 1400	87	2786.	658.89
1 APR 1900	20	2077.	328.63	*	3 APR 0500	54	3968.	1209.37	*	4 APR 1500	88	2661.	600.72
1 APR 2000	21	2195.	383.40	*	3 APR 0600	55	4426.	1303.09	*	4 APR 1600	89	2519.	534.54
1 APR 2100	22	2310.	436.89	*	3 APR 0700	56	4754.	1363.74	*	4 APR 1700	90	2361.	460.79
1 APR 2200	23	2411.	484.12	*	3 APR 0800	57	4940.	1398.17	*	4 APR 1800	91	2199.	385.25
1 APR 2300	24	2492.	521.80	*	3 APR 0900	58	5022.	1413.36	*	4 APR 1900	92	2040.	311.18
2 APR 0000	25	2548.	548.17	*	3 APR 1000	59	5028.	1414.57	*	4 APR 2000	93	1760.	245.69
2 APR 0100	26	2579.	562.60	*	3 APR 1100	60	4981.	1405.80	*	4 APR 2100	94	1497.	194.20
2 APR 0200	27	2584.	564.56	*	3 APR 1200	61	4896.	1390.08	*	4 APR 2200	95	1290.	153.76
2 APR 0300	28	2560.	553.35	*	3 APR 1300	62	4786.	1369.80	*	4 APR 2300	96	1128.	122.08
2 APR 0400	29	2508.	529.47	*	3 APR 1400	63	4662.	1346.87	*	5 APR 0000	97	1007.	98.37
2 APR 0500	30	2431.	493.32	*	3 APR 1500	64	4533.	1323.01	*	5 APR 0100	98	850.	83.54
2 APR 0600	31	2320.	441.68	*	3 APR 1600	65	4408.	1299.81	*	5 APR 0200	99	771.	76.39
2 APR 0700	32	2184.	378.37	*	3 APR 1700	66	4292.	1278.41	*	5 APR 0300	100	728.	72.51
2 APR 0800	33	2047.	314.54	*	3 APR 1800	67	4191.	1259.71	*				
2 APR 0900	34	1839.	261.25	*	3 APR 1900	68	4109.	1244.47	*				

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
5028.	58.00	4939.	4329.	3120.	2494.
		(INCHES)	.082	.288	.623
		(AC-FT)	2449.	8587.	18566.
					20402.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
(AC-FT)	(HR)	6-HR	24-HR	72-HR	99.00-HR
1415.	58.00	1398.	1272.	788.	600.

CUMULATIVE AREA = 558.46 SQ MI

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

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

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

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 .64 BASIN TOTAL PRECIPITATION

555 PI INCREMENTAL PRECIPITATION PATTERN
 .00 .00 .01 .01 .01 .01 .02 .02 .02 .03
 .04 .03 .06 .22 .20 .19 .08 .01 .01 .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	5.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	29.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	51.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.01	.00	.01	70.	*	3	APR	0600	55	.00	.00	.00	0.

SJR_10-yr.out

1	APR	0500	6	.01	.00	.01	92.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	120.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	146.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	181.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.02	.00	.02	228.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.02	.00	.02	291.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.02	.00	.02	353.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.02	.00	.02	376.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.04	.00	.04	506.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.15	.00	.15	1460.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.13	.00	.13	1964.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.12	.00	.12	2031.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.05	.00	.05	1549.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	808.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	438.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	292.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	204.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	149.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	102.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	75.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	51.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	24.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	11.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	6.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	4.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	2.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	1.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	1.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	0.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	0.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	0.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	0.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	0.	*	4	APR	1500	88	.00	.00	.00	0.
2	APR	1400	39	.00	.00	.00	0.	*	4	APR	1600	89	.			

TOTAL RAINFALL = .64, TOTAL LOSS = .00, TOTAL EXCESS = .64

PEAK FLOW	TIME	6-HR	24-HR	72-HR	99.00-HR
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SJR_10-yr.out

+	(CFS)	(HR)				
+	2031.	16.00	(CFS)	1381.	482.	161.
			(INCHES)	.457	.637	.641
			(AC-FT)	685.	956.	960.

CUMULATIVE AREA = 28.11 SQ MI

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568 KK *****
 * *
 * I *
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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	2630.	*	3	APR	0200	51	3174.	*	4	APR	0300	76	3743.
1	APR	0100	2	5.	*	2	APR	0200	27	2607.	*	3	APR	0300	52	3444.	*	4	APR	0400	77	3682.
1	APR	0200	3	33.	*	2	APR	0300	28	2571.	*	3	APR	0400	53	3715.	*	4	APR	0500	78	3616.
1	APR	0300	4	68.	*	2	APR	0400	29	2515.	*	3	APR	0500	54	3968.	*	4	APR	0600	79	3545.
1	APR	0400	5	118.	*	2	APR	0500	30	2435.	*	3	APR	0600	55	4426.	*	4	APR	0700	80	3469.
1	APR	0500	6	188.	*	2	APR	0600	31	2322.	*	3	APR	0700	56	4754.	*	4	APR	0800	81	3388.
1	APR	0600	7	278.	*	2	APR	0700	32	2185.	*	3	APR	0800	57	4940.	*	4	APR	0900	82	3302.
1	APR	0700	8	377.	*	2	APR	0800	33	2048.	*	3	APR	0900	58	5022.	*	4	APR	1000	83	3211.
1	APR	0800	9	491.	*	2	APR	0900	34	1840.	*	3	APR	1000	59	5028.	*	4	APR	1100	84	3115.
1	APR	0900	10	629.	*	2	APR	1000	35	1663.	*	3	APR	1100	60	4981.	*	4	APR	1200	85	3013.
1	APR	1000	11	805.	*	2	APR	1100	36	1583.	*	3	APR	1200	61	4896.	*	4	APR	1300	86	2903.
1	APR	1100	12	1021.	*	2	APR	1200	37	1580.	*	3	APR	1300	62	4786.	*	4	APR	1400	87	2786.
1	APR	1200	13	1205.	*	2	APR	1300	38	1631.	*	3	APR	1400	63	4662.	*	4	APR	1500	88	2661.
1	APR	1300	14	1471.	*	2	APR	1400	39	1718.	*	3	APR	1500	64	4533.	*	4	APR	1600	89	2519.
1	APR	1400	15	2516.	*	2	APR	1500	40	1817.	*	3	APR	1600	65	4408.	*	4	APR	1700	90	2361.
1	APR	1500	16	3155.	*	2	APR	1600	41	1913.	*	3	APR	1700	66	4292.	*	4	APR	1800	91	2199.
1	APR	1600	17	3441.	*	2	APR	1700	42	2005.	*	3	APR	1800	67	4191.	*	4	APR	1900	92	2040.

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1 APR 1700	18	3216.	*	2 APR 1800	43	2055.	*	3 APR 1900	68	4109.	*	4 APR 2000	93	1760.
1 APR 1800	19	2728.	*	2 APR 1900	44	2121.	*	3 APR 2000	69	4041.	*	4 APR 2100	94	1497.
1 APR 1900	20	2515.	*	2 APR 2000	45	2203.	*	3 APR 2100	70	3992.	*	4 APR 2200	95	1290.
1 APR 2000	21	2486.	*	2 APR 2100	46	2304.	*	3 APR 2200	71	3964.	*	4 APR 2300	96	1128.
1 APR 2100	22	2513.	*	2 APR 2200	47	2427.	*	3 APR 2300	72	3931.	*	5 APR 0000	97	1007.
1 APR 2200	23	2560.	*	2 APR 2300	48	2574.	*	4 APR 0000	73	3892.	*	5 APR 0100	98	850.
1 APR 2300	24	2594.	*	3 APR 0000	49	2744.	*	4 APR 0100	74	3848.	*	5 APR 0200	99	771.
2 APR 0000	25	2624.	*	3 APR 0100	50	2939.	*	4 APR 0200	75	3798.	*	5 APR 0300	100	728.

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW 24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	5028.	58.00	4939.	4329.	3176.	2611.
		(INCHES)	.078	.274	.604	.683
		(AC-FT)	2449.	8587.	18900.	21362.

CUMULATIVE AREA = 586.57 SQ MI

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

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 * *
 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
 NSTDL 2 NUMBER OF ORDINATES TO BE AVERAGED
 LAG 0 NUMBER OF INTERVALS TO LAG HYDROGRAPH

HYDROGRAPH AT STATION I-J

SJR_10-yr.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	2627.	*	3	APR	0200	51	3057.	*	4	APR	0300	76	3770.	*
1	APR	0100	2	3.	*	2	APR	0200	27	2619.	*	3	APR	0300	52	3309.	*	4	APR	0400	77	3712.	*
1	APR	0200	3	19.	*	2	APR	0300	28	2589.	*	3	APR	0400	53	3579.	*	4	APR	0500	78	3649.	*
1	APR	0300	4	51.	*	2	APR	0400	29	2543.	*	3	APR	0500	54	3841.	*	4	APR	0600	79	3580.	*
1	APR	0400	5	93.	*	2	APR	0500	30	2475.	*	3	APR	0600	55	4197.	*	4	APR	0700	80	3507.	*
1	APR	0500	6	153.	*	2	APR	0600	31	2378.	*	3	APR	0700	56	4590.	*	4	APR	0800	81	3428.	*
1	APR	0600	7	233.	*	2	APR	0700	32	2254.	*	3	APR	0800	57	4847.	*	4	APR	0900	82	3345.	*
1	APR	0700	8	328.	*	2	APR	0800	33	2116.	*	3	APR	0900	58	4981.	*	4	APR	1000	83	3256.	*
1	APR	0800	9	434.	*	2	APR	0900	34	1944.	*	3	APR	1000	59	5025.	*	4	APR	1100	84	3163.	*
1	APR	0900	10	560.	*	2	APR	1000	35	1751.	*	3	APR	1100	60	5005.	*	4	APR	1200	85	3064.	*
1	APR	1000	11	717.	*	2	APR	1100	36	1623.	*	3	APR	1200	61	4938.	*	4	APR	1300	86	2958.	*
1	APR	1100	12	913.	*	2	APR	1200	37	1581.	*	3	APR	1300	62	4841.	*	4	APR	1400	87	2844.	*
1	APR	1200	13	1113.	*	2	APR	1300	38	1605.	*	3	APR	1400	63	4724.	*	4	APR	1500	88	2724.	*
1	APR	1300	14	1338.	*	2	APR	1400	39	1675.	*	3	APR	1500	64	4598.	*	4	APR	1600	89	2590.	*
1	APR	1400	15	1994.	*	2	APR	1500	40	1767.	*	3	APR	1600	65	4471.	*	4	APR	1700	90	2440.	*
1	APR	1500	16	2836.	*	2	APR	1600	41	1865.	*	3	APR	1700	66	4350.	*	4	APR	1800	91	2280.	*
1	APR	1600	17	3298.	*	2	APR	1700	42	1959.	*	3	APR	1800	67	4242.	*	4	APR	1900	92	2119.	*
1	APR	1700	18	3328.	*	2	APR	1800	43	2030.	*	3	APR	1900	68	4150.	*	4	APR	2000	93	1900.	*
1	APR	1800	19	2972.	*	2	APR	1900	44	2088.	*	3	APR	2000	69	4075.	*	4	APR	2100	94	1628.	*
1	APR	1900	20	2621.	*	2	APR	2000	45	2162.	*	3	APR	2100	70	4016.	*	4	APR	2200	95	1393.	*
1	APR	2000	21	2501.	*	2	APR	2100	46	2254.	*	3	APR	2200	71	3978.	*	4	APR	2300	96	1209.	*
1	APR	2100	22	2500.	*	2	APR	2200	47	2366.	*	3	APR	2300	72	3947.	*	5	APR	0000	97	1068.	*
1	APR	2200	23	2537.	*	2	APR	2300	48	2500.	*	4	APR	0000	73	3911.	*	5	APR	0100	98	929.	*
1	APR	2300	24	2577.	*	3	APR	0000	49	2659.	*	4	APR	0100	74	3870.	*	5	APR	0200	99	811.	*
2	APR	0000	25	2609.	*	3	APR	0100	50	2842.	*	4	APR	0200	75	3823.	*	5	APR	0300	100	749.	*

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
+	5025.	58.00				
		(CFS)	4929.	4326.	3175.	2607.
		(INCHES)	.078	.274	.604	.682
		(AC-FT)	2444.	8581.	18895.	21331.

CUMULATIVE AREA = 586.57 SQ MI

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 577 KK 17 SUBAREA 17
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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 .75 BASIN TOTAL PRECIPITATION

582 PI INCREMENTAL PRECIPITATION PATTERN
 .00 .01 .01 .01 .01 .02 .02 .02 .03 .04
 .04 .04 .10 .25 .16 .15 .03 .01 .01 .01
 .01 .01 .01 .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	89.
1	APR	0100	2	.00	.00	.00	24.	*	3	APR	0300	52	.00	.00	.00	84.
1	APR	0200	3	.01	.00	.01	103.	*	3	APR	0400	53	.00	.00	.00	79.
1	APR	0300	4	.01	.00	.01	199.	*	3	APR	0500	54	.00	.00	.00	74.
1	APR	0400	5	.01	.00	.01	287.	*	3	APR	0600	55	.00	.00	.00	63.
1	APR	0500	6	.01	.00	.01	384.	*	3	APR	0700	56	.00	.00	.00	38.
1	APR	0600	7	.01	.00	.01	476.	*	3	APR	0800	57	.00	.00	.00	22.
1	APR	0700	8	.01	.00	.01	577.	*	3	APR	0900	58	.00	.00	.00	8.

						SJR_10-yr.out						
1 APR 0800	9	.02	.00	.02	718.	*	3 APR 1000	59	.00	.00	.00	5.
1 APR 0900	10	.02	.00	.02	909.	*	3 APR 1100	60	.00	.00	.00	4.
1 APR 1000	11	.03	.00	.03	1166.	*	3 APR 1200	61	.00	.00	.00	3.
1 APR 1100	12	.03	.00	.03	1431.	*	3 APR 1300	62	.00	.00	.00	2.
1 APR 1200	13	.03	.00	.03	1610.	*	3 APR 1400	63	.00	.00	.00	2.
1 APR 1300	14	.08	.00	.08	2094.	*	3 APR 1500	64	.00	.00	.00	1.
1 APR 1400	15	.19	.00	.19	3860.	*	3 APR 1600	65	.00	.00	.00	1.
1 APR 1500	16	.12	.00	.12	6047.	*	3 APR 1700	66	.00	.00	.00	0.
1 APR 1600	17	.11	.00	.11	6620.	*	3 APR 1800	67	.00	.00	.00	0.
1 APR 1700	18	.02	.00	.02	5924.	*	3 APR 1900	68	.00	.00	.00	0.
1 APR 1800	19	.01	.00	.01	4349.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.01	.00	.01	3142.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.01	.00	.01	2481.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.01	.00	.01	2062.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.00	.00	.00	1783.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.00	.00	.00	1551.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.00	.00	.00	1379.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	1195.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	1018.	*	4 APR 0400	77	.00	.00	.00	0.
2 APR 0300	28	.00	.00	.00	874.	*	4 APR 0500	78	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	775.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	704.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	649.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	594.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	552.	*	4 APR 1000	83	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	502.	*	4 APR 1100	84	.00	.00	.00	0.
2 APR 1000	35	.00	.00	.00	465.	*	4 APR 1200	85	.00	.00	.00	0.
2 APR 1100	36	.00	.00	.00	418.	*	4 APR 1300	86	.00	.00	.00	0.
2 APR 1200	37	.00	.00	.00	382.	*	4 APR 1400	87	.00	.00	.00	0.
2 APR 1300	38	.00	.00	.00	350.	*	4 APR 1500	88	.00	.00	.00	0.
2 APR 1400	39	.00	.00	.00	317.	*	4 APR 1600	89	.00	.00	.00	0.
2 APR 1500	40	.00	.00	.00	284.	*	4 APR 1700	90	.00	.00	.00	0.
2 APR 1600	41	.00	.00	.00	259.	*	4 APR 1800	91	.00	.00	.00	0.
2 APR 1700	42	.00	.00	.00	239.	*	4 APR 1900	92	.00	.00	.00	0.
2 APR 1800	43	.00	.00	.00	216.	*	4 APR 2000	93	.00	.00	.00	0.
2 APR 1900	44	.00	.00	.00	170.	*	4 APR 2100	94	.00	.00	.00	0.
2 APR 2000	45	.00	.00	.00	139.	*	4 APR 2200	95	.00	.00	.00	0.
2 APR 2100	46	.00	.00	.00	112.	*	4 APR 2300	96	.00	.00	.00	0.
2 APR 2200	47	.00	.00	.00	106.	*	5 APR 0000	97	.00	.00	.00	0.
2 APR 2300	48	.00	.00	.00	102.	*	5 APR 0100	98	.00	.00	.00	0.
3 APR 0000	49	.00	.00	.00	98.	*	5 APR 0200	99	.00	.00	.00	0.
3 APR 0100	50	.00	.00	.00	94.	*	5 APR 0300	100	.00	.00	.00	0.

TOTAL RAINFALL = .75, TOTAL LOSS = .00, TOTAL EXCESS = .75

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	
+	(CFS)	(HR)		24-HR	72-HR
+	6620.	16.00	(CFS)	4903.	2205.
				837.	609.

SJR_10-yr.out

(INCHES)	.368	.662	.754	.754
(AC-FT)	2431.	4374.	4981.	4981.

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 .74 BASIN TOTAL PRECIPITATION

604 PI INCREMENTAL PRECIPITATION PATTERN

.00	.01	.01	.01	.01	.01	.01	.02	.02	.03
.04	.03	.06	.22	.20	.19	.09	.01	.01	.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								

SJR_10-yr.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	4.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	23.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	41.	*	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	75.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	96.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	117.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	145.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.02	.00	.02	181.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.02	.00	.02	232.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.03	.00	.03	291.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.02	.00	.02	319.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.05	.00	.05	437.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.17	.00	.17	1134.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.15	.00	.15	1636.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.14	.00	.14	1776.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.07	.00	.07	1535.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	986.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.01	.00	.01	640.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	484.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	384.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	319.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	273.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	240.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	209.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	171.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	136.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	113.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	89.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	68.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	53.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	42.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	37.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	34.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	29.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	20.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	12.	*	4	APR	1500	88	.00	.00	.00	0.
2	APR	1400	39	.00	.00	.00	5.	*	4	APR	1600	89	.00	.00	.00	0.
2	APR	1500	40	.00	.00	.00	2.	*	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	1.	*	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.

							SJR_10-yr.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 = .74, TOTAL LOSS = .00, TOTAL EXCESS = .74

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW		
(CFS)	(HR)			24-HR	72-HR	99.00-HR
+		(CFS)				
+	1776.	16.00	1268.	497.	173.	126.
		(INCHES)	.453	.710	.741	.741
		(AC-FT)	629.	986.	1029.	1029.

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	4030.	*	3	APR	0200	51	3146.	*	4	APR	0300	76	3770.
1	APR	0100	2	31.	*	2	APR	0200	27	3808.	*	3	APR	0300	52	3393.	*	4	APR	0400	77	3712.
1	APR	0200	3	146.	*	2	APR	0300	28	3599.	*	3	APR	0400	53	3658.	*	4	APR	0500	78	3649.
1	APR	0300	4	291.	*	2	APR	0400	29	3430.	*	3	APR	0500	54	3916.	*	4	APR	0600	79	3580.
1	APR	0400	5	435.	*	2	APR	0500	30	3268.	*	3	APR	0600	55	4260.	*	4	APR	0700	80	3507.

SJR_10-yr.out

1 APR 0500	6	612.	*	2 APR 0600	31	3096.	*	3 APR 0700	56	4628.	*	4 APR 0800	81	3428.
1 APR 0600	7	806.	*	2 APR 0700	32	2901.	*	3 APR 0800	57	4868.	*	4 APR 0900	82	3345.
1 APR 0700	8	1022.	*	2 APR 0800	33	2710.	*	3 APR 0900	58	4988.	*	4 APR 1000	83	3256.
1 APR 0800	9	1297.	*	2 APR 0900	34	2483.	*	3 APR 1000	59	5030.	*	4 APR 1100	84	3163.
1 APR 0900	10	1650.	*	2 APR 1000	35	2251.	*	3 APR 1100	60	5008.	*	4 APR 1200	85	3064.
1 APR 1000	11	2115.	*	2 APR 1100	36	2071.	*	3 APR 1200	61	4941.	*	4 APR 1300	86	2958.
1 APR 1100	12	2635.	*	2 APR 1200	37	1984.	*	3 APR 1300	62	4843.	*	4 APR 1400	87	2844.
1 APR 1200	13	3042.	*	2 APR 1300	38	1967.	*	3 APR 1400	63	4726.	*	4 APR 1500	88	2724.
1 APR 1300	14	3868.	*	2 APR 1400	39	1996.	*	3 APR 1500	64	4599.	*	4 APR 1600	89	2590.
1 APR 1400	15	6987.	*	2 APR 1500	40	2053.	*	3 APR 1600	65	4471.	*	4 APR 1700	90	2440.
1 APR 1500	16	10518.	*	2 APR 1600	41	2125.	*	3 APR 1700	66	4350.	*	4 APR 1800	91	2280.
1 APR 1600	17	11694.	*	2 APR 1700	42	2199.	*	3 APR 1800	67	4242.	*	4 APR 1900	92	2119.
1 APR 1700	18	10787.	*	2 APR 1800	43	2247.	*	3 APR 1900	68	4150.	*	4 APR 2000	93	1900.
1 APR 1800	19	8307.	*	2 APR 1900	44	2258.	*	3 APR 2000	69	4075.	*	4 APR 2100	94	1628.
1 APR 1900	20	6404.	*	2 APR 2000	45	2301.	*	3 APR 2100	70	4016.	*	4 APR 2200	95	1393.
1 APR 2000	21	5466.	*	2 APR 2100	46	2367.	*	3 APR 2200	71	3978.	*	4 APR 2300	96	1209.
1 APR 2100	22	4946.	*	2 APR 2200	47	2471.	*	3 APR 2300	72	3947.	*	5 APR 0000	97	1068.
1 APR 2200	23	4639.	*	2 APR 2300	48	2602.	*	4 APR 0000	73	3911.	*	5 APR 0100	98	929.
1 APR 2300	24	4401.	*	3 APR 0000	49	2757.	*	4 APR 0100	74	3870.	*	5 APR 0200	99	811.
2 APR 0000	25	4228.	*	3 APR 0100	50	2935.	*	4 APR 0200	75	3823.	*	5 APR 0300	100	749.

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	99.00-HR
(CFS)	(HR)			24-HR	72-HR
11694.	16.00	(CFS)	8990.	4976.	4020.
		(INCHES)	.113	.251	.609
		(AC-FT)	4458.	9870.	23922.

CUMULATIVE AREA = 736.52 SQ MI

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

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 * *
 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	SJ_R10-yr.out								
		RSVRIC	.00	TYPE OF INITIAL CONDITION								
		X	.00	INITIAL CONDITION								
				WORKING R AND D COEFFICIENT								
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	3374.	2676.0	1385.0	*	3	APR	2000	69	4354.	3146.1	1385.6	*
1	APR	0100	2	1.	1.2	1381.8	*	2	APR	1100	36	3182.	2583.7	1384.9	*	3	APR	2100	70	4305.	3122.7	1385.5	*
1	APR	0200	3	5.	8.3	1381.8	*	2	APR	1200	37	3003.	2495.7	1384.8	*	3	APR	2200	71	4256.	3099.3	1385.5	*
1	APR	0300	4	16.	25.4	1381.8	*	2	APR	1300	38	2867.	2416.3	1384.7	*	3	APR	2300	72	4209.	3076.9	1385.5	*
1	APR	0400	5	34.	53.3	1381.9	*	2	APR	1400	39	2750.	2348.0	1384.6	*	4	APR	0000	73	4165.	3055.6	1385.5	*
1	APR	0500	6	60.	92.7	1381.9	*	2	APR	1500	40	2654.	2292.0	1384.5	*	4	APR	0100	74	4122.	3034.7	1385.4	*
1	APR	0600	7	93.	145.0	1382.0	*	2	APR	1600	41	2579.	2248.4	1384.5	*	4	APR	0200	75	4078.	3013.8	1385.4	*
1	APR	0700	8	136.	211.0	1382.1	*	2	APR	1700	42	2524.	2216.2	1384.5	*	4	APR	0300	76	4033.	2992.4	1385.4	*
1	APR	0800	9	189.	293.4	1382.2	*	2	APR	1800	43	2484.	2193.0	1384.4	*	4	APR	0400	77	3987.	2970.1	1385.4	*
1	APR	0900	10	255.	396.8	1382.3	*	2	APR	1900	44	2454.	2175.1	1384.4	*	4	APR	0500	78	3938.	2946.8	1385.3	*
1	APR	1000	11	340.	527.8	1382.4	*	2	APR	2000	45	2431.	2161.6	1384.4	*	4	APR	0600	79	3887.	2922.2	1385.3	*
1	APR	1100	12	445.	691.7	1382.6	*	2	APR	2100	46	2418.	2154.2	1384.4	*	4	APR	0700	80	3833.	2896.0	1385.3	*
1	APR	1200	13	598.	883.2	1382.9	*	2	APR	2200	47	2418.	2154.2	1384.4	*	4	APR	0800	81	3775.	2868.2	1385.2	*
1	APR	1300	14	880.	1107.6	1383.1	*	2	APR	2300	48	2434.	2163.4	1384.4	*	4	APR	0900	82	3713.	2838.7	1385.2	*
1	APR	1400	15	1331.	1464.8	1383.6	*	3	APR	0000	49	2466.	2182.3	1384.4	*	4	APR	1000	83	3648.	2807.3	1385.2	*
1	APR	1500	16	2225.	2041.3	1384.2	*	3	APR	0100	50	2516.	2211.7	1384.4	*	4	APR	1100	84	3578.	2774.0	1385.1	*
1	APR	1600	17	3474.	2723.7	1385.1	*	3	APR	0200	51	2586.	2252.1	1384.5	*	4	APR	1200	85	3505.	2738.6	1385.1	*
1	APR	1700	18	4705.	3314.7	1385.8	*	3	APR	0300	52	2676.	2304.9	1384.6	*	4	APR	1300	86	3426.	2701.0	1385.0	*
1	APR	1800	19	5599.	3678.0	1386.2	*	3	APR	0400	53	2788.	2370.4	1384.6	*	4	APR	1400	87	3343.	2661.1	1385.0	*
1	APR	1900	20	5928.	3809.5	1386.4	*	3	APR	0500	54	2921.	2447.5	1384.7	*	4	APR	1500	88	3254.	2618.5	1384.9	*
1	APR	2000	21	5929.	3810.1	1386.4	*	3	APR	0600	55	3085.	2537.2	1384.8	*	4	APR	1600	89	3160.	2573.1	1384.9	*
1	APR	2100	22	5794.	3755.9	1386.3	*	3	APR	0700	56	3300.	2640.6	1385.0	*	4	APR	1700	90	3058.	2524.0	1384.8	*
1	APR	2200	23	5607.	3680.9	1386.2	*	3	APR	0800	57	3530.	2750.7	1385.1	*	4	APR	1800	91	2960.	2470.4	1384.8	*
1	APR	2300	24	5403.	3599.5	1386.1	*	3	APR	0900	58	3752.	2857.2	1385.2	*	4	APR	1900	92	2859.	2411.7	1384.7	*
2	APR	0000	25	5200.	3517.9	1386.0	*	3	APR	1000	59	3951.	2952.8	1385.3	*	4	APR	2000	93	2747.	2346.2	1384.6	*
2	APR	0100	26	5000.	3437.6	1385.9	*	3	APR	1100	60	4120.	3034.1	1385.4	*	4	APR	2100	94	2617.	2270.3	1384.5	*
2	APR	0200	27	4798.	3356.7	1385.8	*	3	APR	1200	61	4256.	3099.2	1385.5	*	4	APR	2200	95	2471.	2184.9	1384.4	*
2	APR	0300	28	4619.	3273.6	1385.7	*	3	APR	1300	62	4357.	3147.6	1385.6	*	4	APR	2300	96	2316.	2094.7	1384.3	*
2	APR	0400	29	4444.	3189.6	1385.6	*	3	APR	1400	63	4425.	3180.2	1385.6	*	5	APR	0000	97	2160.	2003.8	1384.2	*

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2 APR 0500	30	4271.	3106.2	1385.5	*	3 APR 1500	64	4462.	3198.3	1385.6	*	5 APR 0100	98	2007.	1914.1	1384.1
2 APR 0600	31	4098.	3023.4	1385.4	*	3 APR 1600	65	4474.	3203.8	1385.6	*	5 APR 0200	99	1856.	1826.4	1384.0
2 APR 0700	32	3924.	2939.7	1385.3	*	3 APR 1700	66	4464.	3199.0	1385.6	*	5 APR 0300	100	1714.	1743.3	1383.9
2 APR 0800	33	3746.	2854.6	1385.2	*	3 APR 1800	67	4437.	3186.3	1385.6	*					
2 APR 0900	34	3564.	2767.1	1385.1	*	3 APR 1900	68	4399.	3167.9	1385.6	*					

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	5929.	20.00	5677.	4322.	3804.	3129.
		(INCHES)	.072	.218	.576	.652
		(AC-FT)	2815.	8572.	22636.	25597.

PEAK STORAGE	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(AC-FT)	(HR)				
	3810.	20.00	3709.	3105.	2865.	2422.

PEAK STAGE	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(FEET)	(HR)				
	1386.36	20.00	1386.24	1385.51	1385.23	1384.70

CUMULATIVE AREA = 736.52 SQ MI

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

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

	OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD			BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
					6-HOUR	24-HOUR	72-HOUR			
+	HYDROGRAPH AT									
+		2	15803.	18.00	12357.	5550.	2186.	178.50		
+	HYDROGRAPH AT									
+		3	3097.	18.00	2360.	1023.	387.	51.38		
+	HYDROGRAPH AT									
+		4	1709.	17.00	1238.	483.	167.	15.76		
+	3 COMBINED AT									
+		A	20421.	18.00	15913.	7048.	2740.	245.64		

ROUTED TO

+		A-B	20145.	18.00	SJr_10-yr.out		2740.	245.64
					15639.	7042.		
+	HYDROGRAPH AT	6	3331.	16.00	2468.	1007.	358.	35.42
+	HYDROGRAPH AT	5	837.	15.00	589.	233.	81.	12.07
+	3 COMBINED AT	B	23036.	18.00	18365.	8263.	3179.	293.13
+	HYDROGRAPH AT	7	462.	15.00	327.	123.	42.	5.64
+	2 COMBINED AT	C	23205.	18.00	18593.	8378.	3220.	298.77
+	HYDROGRAPH AT	8	585.	15.00	410.	162.	55.	9.73
+	2 COMBINED AT	D	23414.	18.00	18873.	8525.	3276.	308.50
+	HYDROGRAPH AT	9	2438.	15.00	1707.	667.	229.	43.98
+	2 COMBINED AT	E	24315.	18.00	20064.	9153.	3504.	352.48
+	ROUTED TO	E-F	11783.	26.00	11283.	6614.	2778.	352.48
+	HYDROGRAPH AT	10	1102.	14.00	802.	305.	103.	17.90
+	HYDROGRAPH AT	11	975.	14.00	675.	267.	91.	18.10
+	3 COMBINED AT	F	11873.	26.00	11362.	6669.	2894.	388.48
+	ROUTED TO	F-F1	10473.	30.00	10141.	6555.	2867.	388.48
+	ROUTED TO	F1-G	8706.	34.00	8463.	6216.	2844.	388.48
+	HYDROGRAPH AT	12A	242.	14.00	142.	51.	17.	12.26
+	HYDROGRAPH AT	12A1	549.	14.00	325.	118.	39.	12.26

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+	3 COMBINED AT	G	8706.	34.00	8463.	6217.	2866.	413.00		
+	ROUTED TO	G-H	5861.	47.00	5765.	4872.	2803.	413.00		
+	HYDROGRAPH AT	13	548.	16.00	397.	163.	57.	25.74		
+	HYDROGRAPH AT	13	923.	16.00	657.	252.	85.	25.74		
+	3 COMBINED AT	NUEVDS	5861.	47.00	5765.	4872.	2807.	464.48		
+	HYDROGRAPH AT	14	538.	16.00	357.	126.	42.	9.03		
+	ROUTED TO	PB	104.	19.00	104.	99.	42.	9.03	1680.31	19.00
+	HYDROGRAPH AT	IA	79.	15.00	49.	17.	6.	1.17		
+	2 COMBINED AT	IA	178.	15.00	147.	113.	48.	10.20		
+	ROUTED TO	IB	127.	17.00	123.	110.	48.	10.20	1640.48	17.00
+	HYDROGRAPH AT	LA	49.	15.00	31.	10.	3.	.69		
+	ROUTED TO	LB	31.	17.00	26.	10.	3.	.69	1737.59	17.00
+	HYDROGRAPH AT	NA	423.	15.00	277.	90.	30.	4.33		
+	ROUTED TO	NB	268.	17.00	226.	89.	30.	4.33	64.93	17.00
+	HYDROGRAPH AT	SA	379.	15.00	247.	81.	27.	4.34		
+	4 COMBINED AT	CP1	781.	16.00	592.	275.	108.	19.56		

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+	HYDROGRAPH AT	CP4A	4074.	16.00	2771.	997.	335.	62.87		
+	HYDROGRAPH AT	SEATA	260.	15.00	168.	54.	18.	3.01		
+	3 COMBINED AT	CP4	5109.	16.00	3528.	1316.	461.	85.44		
+	2 COMBINED AT	COMB	6627.	16.00	5765.	4879.	3178.	549.92		
+	HYDROGRAPH AT	15B	111.	15.00	73.	24.	8.	4.27		
+	HYDROGRAPH AT	15B1	247.	15.00	166.	55.	18.	4.27		
+	2 COMBINED AT	15B7	358.	15.00	239.	79.	26.	8.54		
+	2 COMBINED AT	H	6982.	16.00	5765.	4879.	3201.	558.46		
+	ROUTED TO	H-I	5028.	58.00	4939.	4329.	3120.	558.46		
+	HYDROGRAPH AT	15A	2031.	16.00	1381.	482.	161.	28.11		
+	2 COMBINED AT	I	5028.	58.00	4939.	4329.	3176.	586.57		
+	ROUTED TO	I-J	5025.	58.00	4929.	4326.	3175.	586.57		
+	HYDROGRAPH AT	17	6620.	16.00	4903.	2205.	837.	123.91		
+	HYDROGRAPH AT	16	1776.	16.00	1268.	497.	173.	26.04		
+	3 COMBINED AT	J(US)	11694.	16.00	8990.	4976.	4020.	736.52		
+	ROUTED TO	J(DS)	5929.	20.00	5677.	4322.	3804.	736.52	1386.36	20.00
+										

*** 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