

SJR_2yr.out

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*
* FLOOD HYDROGRAPH PACKAGE (HEC-1)
* JUN 1998
* VERSION 4.1
*
* RUN DATE 07OCT16 TIME 14:04:29
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*
* U.S. ARMY CORPS OF ENGINEERS
* HYDROLOGIC ENGINEERING CENTER
* 609 SECOND STREET
* DAVIS, CALIFORNIA 95616
* (916) 756-1104
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THIS PROGRAM REPLACES ALL PREVIOUS VERSIONS OF HEC-1 KNOWN AS HEC1 (JAN 73), HEC1GS, HEC1DB, AND HEC1KW.

THE DEFINITIONS OF VARIABLES -RTIMP- AND -RTIOR- HAVE CHANGED FROM THOSE USED WITH THE 1973-STYLE INPUT STRUCTURE. THE DEFINITION OF -AMSK- ON RM-CARD WAS CHANGED WITH REVISIONS DATED 28 SEP 81. THIS IS THE FORTRAN77 VERSION
 NEW OPTIONS: DAMBREAK OUTFLOW SUBMERGENCE , SINGLE EVENT DAMAGE CALCULATION, DSS:WRITE STAGE FREQUENCY,
 DSS:READ TIME SERIES AT DESIRED CALCULATION INTERVAL LOSS RATE:GREEN AND AMPT INFILTRATION
 KINEMATIC WAVE: NEW FINITE DIFFERENCE ALGORITHM

1 HEC-1 INPUT PAGE 1

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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
1 ID 2-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
14 ID this model in an unsteady simulation. jcc 16AUG2010
    *DIAGRAM
15 IT 60 01APR92 100
16 KK 2 SUBAREAS 1 & 2

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17	KM	SAN JACINTO MOUNTAIN AT BAUTISTA CREEK									
18	BA	178.5									
19	PB	0.294									
20	IN	60	01APR92	0135							
21	PI	0.012	0.013	0.018	0.021	0.028	0.029	0.038	0.046	0.063	0.082
22	PI	0.070	0.073	0.108	0.114	0.104	0.085	0.014	0.019	0.013	0.012
23	PI	0.011	0.010	0.009	0.008						
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	0.235									
37	IN	60	01APR92	0120							
38	PI	0.012	0.013	0.018	0.021	0.028	0.029	0.038	0.046	0.063	0.082
39	PI	0.070	0.073	0.108	0.114	0.104	0.085	0.014	0.019	0.013	0.012
40	PI	0.011	0.010	0.009	0.008						
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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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

49	KK	4 SUBAREA 4									
50	KM	POPPET CREEK									
51	BA	15.76									
52	PB	0.265									
53	IN	30	01APR92	0110							
54	PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
55	PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
56	PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
57	PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
58	PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		
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									

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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      0.246
79      IN      30 01APR92      0100
80      PI      0.005 0.007 0.006 0.007 0.008 0.010 0.010 0.011 0.013 0.015
81      PI      0.013 0.016 0.018 0.020 0.021 0.025 0.030 0.033 0.039 0.043
82      PI      0.030 0.040 0.038 0.035 0.051 0.057 0.068 0.046 0.053 0.051
83      PI      0.047 0.038 0.008 0.006 0.010 0.009 0.008 0.005 0.007 0.005
84      PI      0.006 0.005 0.005 0.005 0.005 0.004 0.004 0.004
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      0.205
94      IN      30 01APR92      0055
95      PI      0.005 0.007 0.006 0.007 0.008 0.010 0.010 0.011 0.013 0.015
96      PI      0.013 0.016 0.018 0.020 0.021 0.025 0.030 0.033 0.039 0.043
97      PI      0.030 0.040 0.038 0.035 0.051 0.057 0.068 0.046 0.053 0.051
98      PI      0.047 0.038 0.008 0.006 0.010 0.009 0.008 0.005 0.007 0.005

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LINE      ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
99      PI      0.006 0.005 0.005 0.005 0.005 0.004 0.004 0.004
100     LU      0      0
101     KM      UHG FROM MOUNTAIN S-GRAPH
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      0.220
113     IN      15 01APR92      0045
114     PI      0.002 0.003 0.003 0.004 0.003 0.003 0.003 0.004 0.004 0.004

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115	PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.008
116	PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011
117	PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021	0.022
118	PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025	0.026
119	PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025
120	PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
121	PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
122	PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
123	PI	0.002	0.002	0.002	0.002	0.002	0.002				
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 0.222
 136 IN 15 01APR92 0045

137	PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004
138	PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.008
139	PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011
140	PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021	0.022
141	PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025	0.026
142	PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025
143	PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
144	PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
145	PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
146	PI	0.002	0.002	0.002	0.002	0.002	0.002				
147	LU	0	0								
148	KM	UHG FROM MOUNTAIN S-GRAPH									
149	UI	2711.	1342.	638.	403.	272.	203.	171.	141.	108.	85.

HEC-1 INPUT

PAGE 4

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	0.181									
159	IN	30 01APR92	0050								
160	PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
161	PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
162	PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
163	PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005

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164	PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		
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	0.199									
189	IN	15	01APR92	0035							
190	PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004
191	PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.008
192	PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011
193	PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021	0.022
194	PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025	0.026
195	PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025
196	PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
197	PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
198	PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
199	PI	0.002	0.002	0.002	0.002	0.002	0.002				

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	0.205									
208	IN	15	01APR92	0030							
209	PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004
210	PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.008
211	PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011
212	PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021	0.022

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213	PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025	0.026
214	PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025
215	PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
216	PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
217	PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
218	PI	0.002	0.002	0.002	0.002	0.002	0.002				
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
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	0.192
254	IN	15 01APR92 0030
255	PI	0.002 0.003 0.003 0.004 0.003 0.003 0.003 0.004 0.004 0.004
256	PI	0.005 0.005 0.005 0.005 0.005 0.006 0.006 0.007 0.007 0.008
257	PI	0.006 0.007 0.008 0.008 0.009 0.009 0.010 0.010 0.010 0.011
258	PI	0.012 0.013 0.015 0.015 0.016 0.017 0.019 0.020 0.021 0.022
259	PI	0.015 0.015 0.020 0.020 0.019 0.019 0.017 0.018 0.025 0.026
260	PI	0.028 0.029 0.034 0.034 0.023 0.023 0.027 0.026 0.026 0.025
261	PI	0.024 0.023 0.019 0.019 0.004 0.004 0.003 0.003 0.005 0.005

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262	PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
263	PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
264	PI	0.002	0.002	0.002	0.002	0.002	0.002				
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	0.192									
272	IN	15	01APR92	0030							
273	PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004
274	PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.008
275	PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011
276	PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021	0.022
277	PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025	0.026
278	PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025
279	PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
280	PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
281	PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
282	PI	0.002	0.002	0.002	0.002	0.002	0.002				
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=									

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

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	0.197									
306	IN	15	01APR92	0020							
307	PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004
308	PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.008
309	PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011
310	PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021	0.022

SJR_2yr.out

311	PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025	0.026
312	PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025
313	PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
314	PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
315	PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
316	PI	0.002	0.002	0.002	0.002	0.002	0.002				
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	0.197									
327	IN	15	01APR92	0020							
328	PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004
329	PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.008
330	PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011
331	PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021	0.022
332	PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025	0.026
333	PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025
334	PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
335	PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
336	PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
337	PI	0.002	0.002	0.002	0.002	0.002	0.002				
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	0.187									
357	IN	30	01APR92	0010							
358	PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
359	PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
360	PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051

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361	PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
362	PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		
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			
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	0.188									
377	IN	30	01APR92	0010							
378	PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
379	PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
380	PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
381	PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
382	PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		
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	0.202									
402	IN	30	01APR92	0010							
403	PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
404	PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
405	PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
406	PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
407	PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		
408	LU	0	0								

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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			
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	0.212									
422	IN	30	01APR92	0010							
423	PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
424	PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
425	PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
426	PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
427	PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		
428	LU	0	0								
429	KM	UHG FROM AVERAGE FULLERTON - SAN JOSE S-GRAPH									
430	UI	1923.	641.	175.	27.	26.					
431	KK	NB									
432	KM	NASON BASIN ROUTING									
433	RS	1	ELEV	58							
434	SV	0	5.1	21.8	47.6	357					
435	SE	58	60	62	64	84					
436	SQ	0	7.6	29.8	65.2	113	173	239	270	296.4	320.7
437	SQ	342	363	382.7	419.2	452.8	484	513.4	541.2	567.6	592.8
438	SE	58	58.8	59.7	60.6	61.6	62.6	63.9	65	66	67
439	SE	68	69	70	72	74	76	78	80	82	84
440	KK	SA									
441	KM	AREA TRIBUTARY TO SINCLAIR BASIN									
442	BA	4.34									
443	PB	0.211									
444	IN	30	01APR92	0010							
445	PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
446	PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
447	PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
		HEC-1 INPUT									
LINE	ID	1	2	3	4	5	6	7	8	9	10
448	PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
449	PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		
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									

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457      HC      4
458      KK      CP4A
459      KM      TOTAL WATERSHED ABOVE CP4 EXCLUDING BASIN AREAS
460      BA      62.87
461      PB      0.177
462      IN      30 01APR92      0010
463      PI      0.005 0.007 0.006 0.007 0.008 0.010 0.010 0.011 0.013 0.015
464      PI      0.013 0.016 0.018 0.020 0.021 0.025 0.030 0.033 0.039 0.043
465      PI      0.030 0.040 0.038 0.035 0.051 0.057 0.068 0.046 0.053 0.051
466      PI      0.047 0.038 0.008 0.006 0.010 0.009 0.008 0.005 0.007 0.005
467      PI      0.006 0.005 0.005 0.005 0.005 0.004 0.004 0.004
468      LU      0      0
469      KM      UHG FROM VALLEY S-GRAPH
470      UI      13598. 14837. 4768. 2487. 1625. 1087. 788. 579. 300. 300.
471      UI      182.

472      KK      SEATA
473      KM      AREA TRIBUTARY TO SEATON BASIN
474      BA      3.01
475      PB      0.187
476      IN      30 01APR92      0010
477      PI      0.005 0.007 0.006 0.007 0.008 0.010 0.010 0.011 0.013 0.015
478      PI      0.013 0.016 0.018 0.020 0.021 0.025 0.030 0.033 0.039 0.043
479      PI      0.030 0.040 0.038 0.035 0.051 0.057 0.068 0.046 0.053 0.051
480      PI      0.047 0.038 0.008 0.006 0.010 0.009 0.008 0.005 0.007 0.005
481      PI      0.006 0.005 0.005 0.005 0.005 0.004 0.004 0.004
482      LU      0      0
483      KM      UHG FROM AVERAGE FULLERTON - SAN JOSE S-GRAPH
484      UI      1433. 398. 80. 21. 9.
485      KM      SEATON BASIN ROUTING REMOVED TO REFLECT EXISTING CONDITIONS
486      KM      JCC 21 AUG 2009

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

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

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

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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      0.193
499      IN      15 01APR92      0015
500      PI      0.002 0.003 0.003 0.004 0.003 0.003 0.003 0.004 0.004 0.004
501      PI      0.005 0.005 0.005 0.005 0.005 0.006 0.006 0.007 0.007 0.008
502      PI      0.006 0.007 0.008 0.008 0.009 0.009 0.010 0.010 0.010 0.011
503      PI      0.012 0.013 0.015 0.015 0.016 0.017 0.019 0.020 0.021 0.022
504      PI      0.015 0.015 0.020 0.020 0.019 0.019 0.017 0.018 0.025 0.026

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505	PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025
506	PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
507	PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
508	PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
509	PI	0.002	0.002	0.002	0.002	0.002	0.002				
510	LU	0	0								
511	KM	UHG FROM AVERAGE FULLERTON - SAN JOSE S-GRAPH									
512	UI	1981.	593.	134.	29.	18.					
513	KK	15B1 ROMOLAND SUB-AREA (B-SYSTEM)									
514	KM	UHG 70% VALLEY									
515	BA	4.27		0.7							
516	PB	0.193									
517	IN	15	01APR92	0015							
518	PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004
519	PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.008
520	PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011
521	PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021	0.022
522	PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025	0.026
523	PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025
524	PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
525	PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
526	PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
527	PI	0.002	0.002	0.002	0.002	0.002	0.002				
528	LU	0	0								
529	KM	UHG FROM VALLEY S-GRAPH									
530	UI	1912.	501.	188.	96.	41.	16.				
531	KK	15B7 TOTAL ROMOLAND SUB-AREA COMBINED AT THE U/S OF I-215 FWY PER CDJ									
532	HC	2	0								
533	KK	H	US@215								
534	KM		US@215								
535	KM		COMBINE THE NUEVO RD., PERRIS, AND ROMOLAND HYDROGRAPHS								
536	HC	2	0								
537	ZW		A=S.J.RIVER CP-H B=H C=FLOW D=01APR92 E=1HOUR F=								
			HEC-1 INPUT								

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

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

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553	PB	0.186									
554	IN	15	01APR92	0015							
555	PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004
556	PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.008
557	PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011
558	PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021	0.022
559	PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025	0.026
560	PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025
561	PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
562	PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
563	PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
564	PI	0.002	0.002	0.002	0.002	0.002	0.002				
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	0.197									
581	IN	15	01APR92	0040							
582	PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004
583	PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.008
584	PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011
585	PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021	0.022
586	PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025	0.026
587	PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025

HEC-1 INPUT

LINE	ID	1	2	3	4	5	6	7	8	9	10
588	PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
589	PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
590	PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
591	PI	0.002	0.002	0.002	0.002	0.002	0.002				
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									

SJR_2yr.out

```

602 PB 0.196
603 IN 30 01APR92 0015
604 PI 0.005 0.007 0.006 0.007 0.008 0.010 0.010 0.011 0.013 0.015
605 PI 0.013 0.016 0.018 0.020 0.021 0.025 0.030 0.033 0.039 0.043
606 PI 0.030 0.040 0.038 0.035 0.051 0.057 0.068 0.046 0.053 0.051
607 PI 0.047 0.038 0.008 0.006 0.010 0.009 0.008 0.005 0.007 0.005
608 PI 0.006 0.005 0.005 0.005 0.005 0.004 0.004 0.004
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 10031.210867.1411703.0812539.0113374.9514210.8815046.81 15214
624 SE 1381.8 1382.8 1383.8 1384.8 1385.8 1386.8 1387.8 1388.8 1389.8 1390.8
625 SE 1391.8 1392.8 1393.8 1394.8 1395.8 1396.8 1397.8 1398.8 1399.8 1400
626 SQ 0 538 1591.6 3023.8 4765.3 6851.3 9204.3 11781.1 14614.4 17699.2
627 SQ 21031. 24546.7 28215.9 32090.6 36078.4 41478.2 48467.1 55911.2 64285.1 66000
628 ZW A=S.J.RIVER CP-J(DS) B=J(DS) C=FLOW D=01APR92 E=1HOUR F=
629 ZZ

```

1

SCHEMATIC DIAGRAM OF STREAM NETWORK

```

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

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

16 2
.
.
33 . 3
.
.
49 . 4
.
.
65 A .....
V
V
69 A-B
.
.
75 . 6
.
.
90 . 5
.
.

```

```

105      B .....
      .
109      .      7
      .      .
128      C .....
      .
132      .      8
      .      .
151      D .....
      .
155      .      9
      .      .
169      E .....
      V
      V
173      E-F
      .
185      .      10
      .      .
204      .      .      11
      .      .      .
223      F .....
      V
      V
227      F-F1
      V
      V
239      F1-G
      .
250      .      12A
      .      .
268      .      .      12A1
      .      .      .
286      G .....
      V
      V
290      G-H
      .
301      .      13
      .      .
322      .      .      13
      .      .

```

```

342  NUEVDS.....
      .
345      14
      .   V
      .   V
366      PB
      .
      .
373      .           IA
      .           .
      .           .
386      IA.....
      .   V
      .   V
389      IB
      .
      .
398      .           LA
      .           V
      .           V
411      .           LB
      .           .
      .           .
418      .           .           NA
      .           .           V
      .           .           V
431      .           .           NB
      .           .           .
      .           .           .
440      .           .           .           SA
      .           .           .           .
455      CP1.....
      .
458      .           CP4A
      .           .
      .           .
472      .           .           SEATA
      .           .           .
      .           .           .
487      CP4.....
      .
490  COMB .....
      .
493      15B
      .
      .
513      .           15B1
      .           .
      .           .
531      15B7 .....
      .

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SJR_2yr.out

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533      H      .
          V      .
          V      .
538      H-I      .
          .
549      .      15A
          .
          .
568      I      .
          V      .
          V      .
572      I-J      .
          .
577      .      17
          .
          .
599      .      16
          .
          .
614      J(US)      .
          V
          V
619      J(DS)

```

(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

```

1*****
*
* FLOOD HYDROGRAPH PACKAGE (HEC-1)
* JUN 1998
* VERSION 4.1
*
* RUN DATE 07OCT16 TIME 14:04:29
*
*****

```

```

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

```

2-Year 24-Hour Storm
 WEBB ASSOCIATES BASE FILE OF SAN JACINTO RIVER EXISTING CONDITIONS
 BASED ON FILE sjrrel.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

*** **

16 KK * * 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
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PRECIPITATION DATA

19 PB STORM .29 BASIN TOTAL PRECIPITATION

21 PI INCREMENTAL PRECIPITATION PATTERN

.00	.01	.01	.02	.02	.03	.03	.03	.04	.06
.07	.07	.07	.09	.11	.11	.09	.04	.02	.02
.01	.01	.01	.01	.01	.00				

24 LU UNIFORM LOSS RATE

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

SJR_2yr.out

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

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	99.
1	APR	0100	2	.00	.00	.00	0.	*	3	APR	0300	52	.00	.00	.00	91.
1	APR	0200	3	.00	.00	.00	15.	*	3	APR	0400	53	.00	.00	.00	84.
1	APR	0300	4	.00	.00	.00	55.	*	3	APR	0500	54	.00	.00	.00	75.
1	APR	0400	5	.00	.00	.00	128.	*	3	APR	0600	55	.00	.00	.00	66.
1	APR	0500	6	.01	.00	.01	211.	*	3	APR	0700	56	.00	.00	.00	58.
1	APR	0600	7	.01	.00	.01	298.	*	3	APR	0800	57	.00	.00	.00	52.
1	APR	0700	8	.01	.00	.01	389.	*	3	APR	0900	58	.00	.00	.00	48.
1	APR	0800	9	.01	.00	.01	491.	*	3	APR	1000	59	.00	.00	.00	46.
1	APR	0900	10	.01	.00	.01	605.	*	3	APR	1100	60	.00	.00	.00	44.
1	APR	1000	11	.02	.00	.02	754.	*	3	APR	1200	61	.00	.00	.00	43.
1	APR	1100	12	.02	.00	.02	959.	*	3	APR	1300	62	.00	.00	.00	41.
1	APR	1200	13	.02	.00	.02	1195.	*	3	APR	1400	63	.00	.00	.00	39.
1	APR	1300	14	.02	.00	.02	1413.	*	3	APR	1500	64	.00	.00	.00	37.
1	APR	1400	15	.03	.00	.03	1599.	*	3	APR	1600	65	.00	.00	.00	34.
1	APR	1500	16	.03	.00	.03	1815.	*	3	APR	1700	66	.00	.00	.00	32.
1	APR	1600	17	.03	.00	.03	2090.	*	3	APR	1800	67	.00	.00	.00	28.
1	APR	1700	18	.03	.00	.03	2303.	*	3	APR	1900	68	.00	.00	.00	25.
1	APR	1800	19	.01	.00	.01	2296.	*	3	APR	2000	69	.00	.00	.00	22.
1	APR	1900	20	.00	.00	.00	2062.	*	3	APR	2100	70	.00	.00	.00	18.
1	APR	2000	21	.00	.00	.00	1681.	*	3	APR	2200	71	.00	.00	.00	14.
1	APR	2100	22	.00	.00	.00	1361.	*	3	APR	2300	72	.00	.00	.00	9.
1	APR	2200	23	.00	.00	.00	1160.	*	4	APR	0000	73	.00	.00	.00	5.
1	APR	2300	24	.00	.00	.00	1024.	*	4	APR	0100	74	.00	.00	.00	4.
2	APR	0000	25	.00	.00	.00	922.	*	4	APR	0200	75	.00	.00	.00	3.
2	APR	0100	26	.00	.00	.00	836.	*	4	APR	0300	76	.00	.00	.00	2.
2	APR	0200	27	.00	.00	.00	753.	*	4	APR	0400	77	.00	.00	.00	2.
2	APR	0300	28	.00	.00	.00	666.	*	4	APR	0500	78	.00	.00	.00	1.
2	APR	0400	29	.00	.00	.00	575.	*	4	APR	0600	79	.00	.00	.00	1.
2	APR	0500	30	.00	.00	.00	498.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	441.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	397.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	361.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	331.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	307.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	287.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	269.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	253.	*	4	APR	1500	88	.00	.00	.00	0.

SJR_2yr.out												
2 APR 1400	39	.00	.00	.00	238.	*	4 APR 1600	89	.00	.00	.00	0.
2 APR 1500	40	.00	.00	.00	223.	*	4 APR 1700	90	.00	.00	.00	0.
2 APR 1600	41	.00	.00	.00	209.	*	4 APR 1800	91	.00	.00	.00	0.
2 APR 1700	42	.00	.00	.00	196.	*	4 APR 1900	92	.00	.00	.00	0.
2 APR 1800	43	.00	.00	.00	184.	*	4 APR 2000	93	.00	.00	.00	0.
2 APR 1900	44	.00	.00	.00	172.	*	4 APR 2100	94	.00	.00	.00	0.
2 APR 2000	45	.00	.00	.00	159.	*	4 APR 2200	95	.00	.00	.00	0.
2 APR 2100	46	.00	.00	.00	148.	*	4 APR 2300	96	.00	.00	.00	0.
2 APR 2200	47	.00	.00	.00	138.	*	5 APR 0000	97	.00	.00	.00	0.
2 APR 2300	48	.00	.00	.00	129.	*	5 APR 0100	98	.00	.00	.00	0.
3 APR 0000	49	.00	.00	.00	119.	*	5 APR 0200	99	.00	.00	.00	0.
3 APR 0100	50	.00	.00	.00	109.	*	5 APR 0300	100	.00	.00	.00	0.

TOTAL RAINFALL = .29, TOTAL LOSS = .00, TOTAL EXCESS = .29

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	2303.	17.00	2034.	1162.	470.	342.
		(INCHES)	.106	.242	.294	.294
		(AC-FT)	1009.	2305.	2797.	2798.

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

SJR_2yr.out

36 PB STORM .23 BASIN TOTAL PRECIPITATION

38 PI INCREMENTAL PRECIPITATION PATTERN

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

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	12.
1	APR	0100	2	.00	.00	.00	0.	*	3	APR	0300	52	.00	.00	.00	11.
1	APR	0200	3	.00	.00	.00	3.	*	3	APR	0400	53	.00	.00	.00	10.
1	APR	0300	4	.00	.00	.00	16.	*	3	APR	0500	54	.00	.00	.00	9.
1	APR	0400	5	.00	.00	.00	37.	*	3	APR	0600	55	.00	.00	.00	8.
1	APR	0500	6	.00	.00	.00	57.	*	3	APR	0700	56	.00	.00	.00	7.
1	APR	0600	7	.01	.00	.01	79.	*	3	APR	0800	57	.00	.00	.00	5.
1	APR	0700	8	.01	.00	.01	102.	*	3	APR	0900	58	.00	.00	.00	4.
1	APR	0800	9	.01	.00	.01	128.	*	3	APR	1000	59	.00	.00	.00	2.
1	APR	0900	10	.01	.00	.01	156.	*	3	APR	1100	60	.00	.00	.00	2.
1	APR	1000	11	.01	.00	.01	195.	*	3	APR	1200	61	.00	.00	.00	1.
1	APR	1100	12	.02	.00	.02	248.	*	3	APR	1300	62	.00	.00	.00	1.
1	APR	1200	13	.02	.00	.02	314.	*	3	APR	1400	63	.00	.00	.00	1.
1	APR	1300	14	.02	.00	.02	365.	*	3	APR	1500	64	.00	.00	.00	1.
1	APR	1400	15	.02	.00	.02	401.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.03	.00	.03	460.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.03	.00	.03	537.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.02	.00	.02	585.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.01	.00	.01	574.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	491.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	380.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	308.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	263.	*	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	207.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	186.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	168.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	145.	*	4	APR	0500	78	.00	.00	.00	0.

SJRW2yr.out												
2 APR 0400	29	.00	.00	.00	122.	*	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	93.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	84.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	76.	*	4 APR 1000	83	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	70.	*	4 APR 1100	84	.00	.00	.00	0.
2 APR 1000	35	.00	.00	.00	64.	*	4 APR 1200	85	.00	.00	.00	0.
2 APR 1100	36	.00	.00	.00	58.	*	4 APR 1300	86	.00	.00	.00	0.
2 APR 1200	37	.00	.00	.00	53.	*	4 APR 1400	87	.00	.00	.00	0.
2 APR 1300	38	.00	.00	.00	48.	*	4 APR 1500	88	.00	.00	.00	0.
2 APR 1400	39	.00	.00	.00	44.	*	4 APR 1600	89	.00	.00	.00	0.
2 APR 1500	40	.00	.00	.00	40.	*	4 APR 1700	90	.00	.00	.00	0.
2 APR 1600	41	.00	.00	.00	36.	*	4 APR 1800	91	.00	.00	.00	0.
2 APR 1700	42	.00	.00	.00	32.	*	4 APR 1900	92	.00	.00	.00	0.
2 APR 1800	43	.00	.00	.00	29.	*	4 APR 2000	93	.00	.00	.00	0.
2 APR 1900	44	.00	.00	.00	26.	*	4 APR 2100	94	.00	.00	.00	0.
2 APR 2000	45	.00	.00	.00	23.	*	4 APR 2200	95	.00	.00	.00	0.
2 APR 2100	46	.00	.00	.00	20.	*	4 APR 2300	96	.00	.00	.00	0.
2 APR 2200	47	.00	.00	.00	17.	*	5 APR 0000	97	.00	.00	.00	0.
2 APR 2300	48	.00	.00	.00	15.	*	5 APR 0100	98	.00	.00	.00	0.
3 APR 0000	49	.00	.00	.00	14.	*	5 APR 0200	99	.00	.00	.00	0.
3 APR 0100	50	.00	.00	.00	13.	*	5 APR 0300	100	.00	.00	.00	0.

TOTAL RAINFALL = .23, TOTAL LOSS = .00, TOTAL EXCESS = .23

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	585.	17.00	506.	282.	108.	79.
		(INCHES)	.092	.204	.235	.235
		(AC-FT)	251.	559.	644.	644.

CUMULATIVE AREA = 51.38 SQ MI

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

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 * *
 49 KK * 4 * SUBAREA 4
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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 .26 BASIN TOTAL PRECIPITATION

54 PI INCREMENTAL PRECIPITATION PATTERN

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

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	1.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	11.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	20.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	29.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	38.	*	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	58.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.01	.00	.01	71.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.01	.00	.01	89.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.02	.00	.02	115.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.02	.00	.02	144.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.02	.00	.02	158.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.02	.00	.02	168.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.03	.00	.03	207.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.03	.00	.03	234.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.03	.00	.03	241.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.02	.00	.02	221.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	158.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	117.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	96.	*	3	APR	2300	72	.00	.00	.00	0.

SJRW_2yr.out									
1	APR	2200	23	.00	.00	.00	80.	*	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	61.	*	4 APR 0200 75 .00 .00 .00 0.
2	APR	0100	26	.00	.00	.00	55.	*	4 APR 0300 76 .00 .00 .00 0.
2	APR	0200	27	.00	.00	.00	47.	*	4 APR 0400 77 .00 .00 .00 0.
2	APR	0300	28	.00	.00	.00	36.	*	4 APR 0500 78 .00 .00 .00 0.
2	APR	0400	29	.00	.00	.00	27.	*	4 APR 0600 79 .00 .00 .00 0.
2	APR	0500	30	.00	.00	.00	21.	*	4 APR 0700 80 .00 .00 .00 0.
2	APR	0600	31	.00	.00	.00	17.	*	4 APR 0800 81 .00 .00 .00 0.
2	APR	0700	32	.00	.00	.00	13.	*	4 APR 0900 82 .00 .00 .00 0.
2	APR	0800	33	.00	.00	.00	11.	*	4 APR 1000 83 .00 .00 .00 0.
2	APR	0900	34	.00	.00	.00	8.	*	4 APR 1100 84 .00 .00 .00 0.
2	APR	1000	35	.00	.00	.00	7.	*	4 APR 1200 85 .00 .00 .00 0.
2	APR	1100	36	.00	.00	.00	6.	*	4 APR 1300 86 .00 .00 .00 0.
2	APR	1200	37	.00	.00	.00	4.	*	4 APR 1400 87 .00 .00 .00 0.
2	APR	1300	38	.00	.00	.00	3.	*	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	1.	*	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 = .26, TOTAL LOSS = .00, TOTAL EXCESS = .26

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)					
+	241.	17.00	(CFS)	205.	107.	37.	27.
			(INCHES)	.121	.252	.265	.265
			(AC-FT)	102.	212.	223.	223.

CUMULATIVE AREA = 15.76 SQ MI

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

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65 KK *****
 * *
 * A *
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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	1077.	*	3	APR	0200	51	111.	*	4	APR	0300	76	2.
1	APR	0100	2	0.	*	2	APR	0200	27	968.	*	3	APR	0300	52	102.	*	4	APR	0400	77	2.
1	APR	0200	3	19.	*	2	APR	0300	28	847.	*	3	APR	0400	53	94.	*	4	APR	0500	78	1.
1	APR	0300	4	82.	*	2	APR	0400	29	724.	*	3	APR	0500	54	84.	*	4	APR	0600	79	1.
1	APR	0400	5	185.	*	2	APR	0500	30	624.	*	3	APR	0600	55	74.	*	4	APR	0700	80	0.
1	APR	0500	6	298.	*	2	APR	0600	31	551.	*	3	APR	0700	56	65.	*	4	APR	0800	81	0.
1	APR	0600	7	414.	*	2	APR	0700	32	494.	*	3	APR	0800	57	57.	*	4	APR	0900	82	0.
1	APR	0700	8	540.	*	2	APR	0800	33	448.	*	3	APR	0900	58	52.	*	4	APR	1000	83	0.
1	APR	0800	9	677.	*	2	APR	0900	34	409.	*	3	APR	1000	59	49.	*	4	APR	1100	84	0.
1	APR	0900	10	832.	*	2	APR	1000	35	378.	*	3	APR	1100	60	46.	*	4	APR	1200	85	0.
1	APR	1000	11	1037.	*	2	APR	1100	36	351.	*	3	APR	1200	61	44.	*	4	APR	1300	86	0.
1	APR	1100	12	1322.	*	2	APR	1200	37	326.	*	3	APR	1300	62	42.	*	4	APR	1400	87	0.
1	APR	1200	13	1653.	*	2	APR	1300	38	304.	*	3	APR	1400	63	39.	*	4	APR	1500	88	0.
1	APR	1300	14	1936.	*	2	APR	1400	39	283.	*	3	APR	1500	64	37.	*	4	APR	1600	89	0.
1	APR	1400	15	2168.	*	2	APR	1500	40	264.	*	3	APR	1600	65	35.	*	4	APR	1700	90	0.
1	APR	1500	16	2482.	*	2	APR	1600	41	246.	*	3	APR	1700	66	32.	*	4	APR	1800	91	0.
1	APR	1600	17	2861.	*	2	APR	1700	42	229.	*	3	APR	1800	67	29.	*	4	APR	1900	92	0.
1	APR	1700	18	3129.	*	2	APR	1800	43	213.	*	3	APR	1900	68	25.	*	4	APR	2000	93	0.
1	APR	1800	19	3092.	*	2	APR	1900	44	198.	*	3	APR	2000	69	22.	*	4	APR	2100	94	0.
1	APR	1900	20	2711.	*	2	APR	2000	45	183.	*	3	APR	2100	70	18.	*	4	APR	2200	95	0.
1	APR	2000	21	2178.	*	2	APR	2100	46	168.	*	3	APR	2200	71	14.	*	4	APR	2300	96	0.
1	APR	2100	22	1765.	*	2	APR	2200	47	155.	*	3	APR	2300	72	9.	*	5	APR	0000	97	0.
1	APR	2200	23	1504.	*	2	APR	2300	48	143.	*	4	APR	0000	73	5.	*	5	APR	0100	98	0.
1	APR	2300	24	1325.	*	3	APR	0000	49	133.	*	4	APR	0100	74	4.	*	5	APR	0200	99	0.
2	APR	0000	25	1190.	*	3	APR	0100	50	122.	*	4	APR	0200	75	3.	*	5	APR	0300	100	0.

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	72-HR	99.00-HR
+	(CFS)	(HR)		24-HR		
+	3129.	17.00				
			(CFS)			
			(INCHES)			
			(AC-FT)			

CUMULATIVE AREA = 245.64 SQ MI

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

SJR_2yr.out

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

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HYDROGRAPH ROUTING DATA

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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

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HYDROGRAPH AT STATION A-B

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	APR	0000	1	0.	*	2	APR	0100	26	1133.	*	3	APR	0200	51	116.	*	4	APR	0300	76	3.	*
1	APR	0100	2	0.	*	2	APR	0200	27	1023.	*	3	APR	0300	52	106.	*	4	APR	0400	77	2.	*
1	APR	0200	3	9.	*	2	APR	0300	28	908.	*	3	APR	0400	53	98.	*	4	APR	0500	78	2.	*
1	APR	0300	4	50.	*	2	APR	0400	29	786.	*	3	APR	0500	54	89.	*	4	APR	0600	79	1.	*
1	APR	0400	5	134.	*	2	APR	0500	30	674.	*	3	APR	0600	55	79.	*	4	APR	0700	80	1.	*
1	APR	0500	6	242.	*	2	APR	0600	31	587.	*	3	APR	0700	56	69.	*	4	APR	0800	81	0.	*
1	APR	0600	7	356.	*	2	APR	0700	32	523.	*	3	APR	0800	57	61.	*	4	APR	0900	82	0.	*
1	APR	0700	8	477.	*	2	APR	0800	33	471.	*	3	APR	0900	58	55.	*	4	APR	1000	83	0.	*
1	APR	0800	9	608.	*	2	APR	0900	34	428.	*	3	APR	1000	59	50.	*	4	APR	1100	84	0.	*
1	APR	0900	10	754.	*	2	APR	1000	35	394.	*	3	APR	1100	60	47.	*	4	APR	1200	85	0.	*
1	APR	1000	11	935.	*	2	APR	1100	36	364.	*	3	APR	1200	61	45.	*	4	APR	1300	86	0.	*
1	APR	1100	12	1179.	*	2	APR	1200	37	339.	*	3	APR	1300	62	43.	*	4	APR	1400	87	0.	*
1	APR	1200	13	1487.	*	2	APR	1300	38	315.	*	3	APR	1400	63	40.	*	4	APR	1500	88	0.	*
1	APR	1300	14	1794.	*	2	APR	1400	39	294.	*	3	APR	1500	64	38.	*	4	APR	1600	89	0.	*
1	APR	1400	15	2052.	*	2	APR	1500	40	274.	*	3	APR	1600	65	36.	*	4	APR	1700	90	0.	*
1	APR	1500	16	2325.	*	2	APR	1600	41	255.	*	3	APR	1700	66	33.	*	4	APR	1800	91	0.	*
1	APR	1600	17	2672.	*	2	APR	1700	42	237.	*	3	APR	1800	67	30.	*	4	APR	1900	92	0.	*
1	APR	1700	18	2995.	*	2	APR	1800	43	221.	*	3	APR	1900	68	27.	*	4	APR	2000	93	0.	*
1	APR	1800	19	3110.	*	2	APR	1900	44	205.	*	3	APR	2000	69	24.	*	4	APR	2100	94	0.	*
1	APR	1900	20	2901.	*	2	APR	2000	45	190.	*	3	APR	2100	70	20.	*	4	APR	2200	95	0.	*
1	APR	2000	21	2445.	*	2	APR	2100	46	175.	*	3	APR	2200	71	16.	*	4	APR	2300	96	0.	*
1	APR	2100	22	1972.	*	2	APR	2200	47	161.	*	3	APR	2300	72	11.	*	5	APR	0000	97	0.	*
1	APR	2200	23	1634.	*	2	APR	2300	48	149.	*	4	APR	0000	73	7.	*	5	APR	0100	98	0.	*
1	APR	2300	24	1414.	*	3	APR	0000	49	138.	*	4	APR	0100	74	4.	*	5	APR	0200	99	0.	*
2	APR	0000	25	1258.	*	3	APR	0100	50	127.	*	4	APR	0200	75	3.	*	5	APR	0300	100	0.	*

SJR_2yr.out

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
+	3110.	18.00				
		(CFS)	2712.	1548.	616.	448.
		(INCHES)	.103	.234	.280	.280
		(AC-FT)	1345.	3070.	3663.	3664.

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
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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 .25 BASIN TOTAL PRECIPITATION

80 PI INCREMENTAL PRECIPITATION PATTERN

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

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	0.
1	APR	0100	2	.00	.00	.00	0.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	11.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	32.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	47.	*	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	84.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	104.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	124.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.01	.00	.01	155.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.02	.00	.02	196.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.02	.00	.02	257.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.02	.00	.02	299.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.02	.00	.02	311.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.03	.00	.03	361.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.03	.00	.03	437.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.03	.00	.03	472.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.02	.00	.02	466.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	381.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	267.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	221.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	186.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	161.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	143.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	128.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	115.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	98.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	77.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	65.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	56.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	48.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	41.	*	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	31.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	26.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	22.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	18.	*	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	13.	*	4	APR	1600	89	.00	.00	.00	0.
2	APR	1500	40	.00	.00	.00	12.	*	4	APR	1700	90	.00	.00	.00	0.
2	APR	1600	41	.00	.00	.00	10.	*	4	APR	1800	91	.00	.00	.00	0.
2	APR	1700	42	.00	.00	.00	9.	*	4	APR	1900	92	.00	.00	.00	0.
2	APR	1800	43	.00	.00	.00	7.	*	4	APR	2000	93	.00	.00	.00	0.
2	APR	1900	44	.00	.00	.00	5.	*	4	APR	2100	94	.00	.00	.00	0.
2	APR	2000	45	.00	.00	.00	4.	*	4	APR	2200	95	.00	.00	.00	0.
2	APR	2100	46	.00	.00	.00	2.	*	4	APR	2300	96	.00	.00	.00	0.
2	APR	2200	47	.00	.00	.00	1.	*	5	APR	0000	97	.00	.00	.00	0.
2	APR	2300	48	.00	.00	.00	1.	*	5	APR	0100	98	.00	.00	.00	0.

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3 APR 0000	49	.00	.00	.00	1.	*	5 APR 0200	99	.00	.00	.00	0.
3 APR 0100	50	.00	.00	.00	1.	*	5 APR 0300	100	.00	.00	.00	0.
						*						

TOTAL RAINFALL = .25, TOTAL LOSS = .00, TOTAL EXCESS = .25

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW		
+	(CFS)	(HR)		24-HR	72-HR	99.00-HR
+	472.	16.00	(CFS)	401.	215.	78.
			(INCHES)	.105	.226	.246
			(AC-FT)	199.	427.	465.

CUMULATIVE AREA = 35.42 SQ MI

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90 KK * 5 * SUBAREA 5

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 .20 BASIN TOTAL PRECIPITATION

95 PI INCREMENTAL PRECIPITATION PATTERN

.01	.01	.02	.02	.03	.03	.04	.05	.06	.08
.07	.07	.10	.12	.10	.09	.02	.02	.01	.01
.01	.01	.01	.01	.00	.00				

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
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126.0 110.0 89.0 77.0 SJR_2yr.out 65.0 60.0 24.0 24.0 24.0 24.0
23.5 23.5 12.1

HYDROGRAPH AT STATION 5

								*								
DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	APR	0000	1	.00	.00	.00	0.	*	3	APR	0200	51	.00	.00	.00	0.
1	APR	0100	2	.00	.00	.00	5.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	10.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	15.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	20.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	26.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	31.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	38.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	47.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.01	.00	.01	60.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.02	.00	.02	79.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.01	.00	.01	88.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	92.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.02	.00	.02	110.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.02	.00	.02	131.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.02	.00	.02	138.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.02	.00	.02	134.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.00	.00	.00	102.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	72.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	59.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	49.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	42.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	37.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	33.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	30.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	24.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	18.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	14.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	12.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	9.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	8.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	6.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	5.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	4.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	3.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	3.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	2.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	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 = .20, TOTAL LOSS = .00, TOTAL EXCESS = .20

*** **

MASSACRE CANYON CONFLUENCE NEAR SANDERSON AVENUE

* * *

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	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1	APR	0000	1	0.	*	2	APR	0100	26	1272.	*	3	APR	0200	51	117.	*	4	APR	0300	76	3.
1	APR	0100	2	5.	*	2	APR	0200	27	1138.	*	3	APR	0300	52	106.	*	4	APR	0400	77	2.
1	APR	0200	3	31.	*	2	APR	0300	28	999.	*	3	APR	0400	53	98.	*	4	APR	0500	78	2.
1	APR	0300	4	97.	*	2	APR	0400	29	862.	*	3	APR	0500	54	89.	*	4	APR	0600	79	1.
1	APR	0400	5	200.	*	2	APR	0500	30	739.	*	3	APR	0600	55	79.	*	4	APR	0700	80	1.
1	APR	0500	6	331.	*	2	APR	0600	31	643.	*	3	APR	0700	56	69.	*	4	APR	0800	81	0.
1	APR	0600	7	471.	*	2	APR	0700	32	570.	*	3	APR	0800	57	61.	*	4	APR	0900	82	0.
1	APR	0700	8	618.	*	2	APR	0800	33	511.	*	3	APR	0900	58	55.	*	4	APR	1000	83	0.
1	APR	0800	9	779.	*	2	APR	0900	34	463.	*	3	APR	1000	59	50.	*	4	APR	1100	84	0.

SJr_2yr.out

1 APR 0900	10	969.	*	2 APR 1000	35	423.	*	3 APR 1100	60	47.	*	4 APR 1200	85	0.
1 APR 1000	11	1209.	*	2 APR 1100	36	389.	*	3 APR 1200	61	45.	*	4 APR 1300	86	0.
1 APR 1100	12	1524.	*	2 APR 1200	37	359.	*	3 APR 1300	62	43.	*	4 APR 1400	87	0.
1 APR 1200	13	1879.	*	2 APR 1300	38	332.	*	3 APR 1400	63	40.	*	4 APR 1500	88	0.
1 APR 1300	14	2215.	*	2 APR 1400	39	308.	*	3 APR 1500	64	38.	*	4 APR 1600	89	0.
1 APR 1400	15	2544.	*	2 APR 1500	40	286.	*	3 APR 1600	65	36.	*	4 APR 1700	90	0.
1 APR 1500	16	2900.	*	2 APR 1600	41	265.	*	3 APR 1700	66	33.	*	4 APR 1800	91	0.
1 APR 1600	17	3278.	*	2 APR 1700	42	246.	*	3 APR 1800	67	30.	*	4 APR 1900	92	0.
1 APR 1700	18	3563.	*	2 APR 1800	43	228.	*	3 APR 1900	68	27.	*	4 APR 2000	93	0.
1 APR 1800	19	3564.	*	2 APR 1900	44	211.	*	3 APR 2000	69	24.	*	4 APR 2100	94	0.
1 APR 1900	20	3227.	*	2 APR 2000	45	194.	*	3 APR 2100	70	20.	*	4 APR 2200	95	0.
1 APR 2000	21	2714.	*	2 APR 2100	46	178.	*	3 APR 2200	71	16.	*	4 APR 2300	96	0.
1 APR 2100	22	2199.	*	2 APR 2200	47	163.	*	3 APR 2300	72	11.	*	5 APR 0000	97	0.
1 APR 2200	23	1833.	*	2 APR 2300	48	150.	*	4 APR 0000	73	7.	*	5 APR 0100	98	0.
1 APR 2300	24	1591.	*	3 APR 0000	49	139.	*	4 APR 0100	74	4.	*	5 APR 0200	99	0.
2 APR 0000	25	1415.	*	3 APR 0100	50	128.	*	4 APR 0200	75	3.	*	5 APR 0300	100	0.
			*				*				*			

PEAK FLOW	TIME		MAXIMUM	AVERAGE FLOW	
			6-HR	24-HR	72-HR
+	(CFS)	(HR)			99.00-HR
		(CFS)			
+	3564.	18.00	3194.	1819.	715.
		(INCHES)	.101	.231	.272
		(AC-FT)	1584.	3608.	4256.
					4257.

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

SJR_2yr.out

112 PB STORM .22 BASIN TOTAL PRECIPITATION

114 PI INCREMENTAL PRECIPITATION PATTERN

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

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	3.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	6.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	9.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	11.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	15.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	17.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	21.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	26.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.01	.00	.01	34.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.02	.00	.02	44.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.02	.00	.02	48.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.02	.00	.02	51.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.02	.00	.02	61.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.03	.00	.03	74.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.02	.00	.02	75.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.02	.00	.02	72.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.01	.00	.01	51.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	36.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	29.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	23.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	20.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	17.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	15.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	12.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	9.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	6.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	4.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	3.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	2.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	2.	*	4	APR	0800	81	.00	.00	.00	0.

SJRW2yr.out												
2 APR 0700	32	.00	.00	.00	1.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	1.	*	4 APR 1000	83	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	0.	*	4 APR 1100	84	.00	.00	.00	0.
2 APR 1000	35	.00	.00	.00	0.	*	4 APR 1200	85	.00	.00	.00	0.
2 APR 1100	36	.00	.00	.00	0.	*	4 APR 1300	86	.00	.00	.00	0.
2 APR 1200	37	.00	.00	.00	0.	*	4 APR 1400	87	.00	.00	.00	0.
2 APR 1300	38	.00	.00	.00	0.	*	4 APR 1500	88	.00	.00	.00	0.
2 APR 1400	39	.00	.00	.00	0.	*	4 APR 1600	89	.00	.00	.00	0.
2 APR 1500	40	.00	.00	.00	0.	*	4 APR 1700	90	.00	.00	.00	0.
2 APR 1600	41	.00	.00	.00	0.	*	4 APR 1800	91	.00	.00	.00	0.
2 APR 1700	42	.00	.00	.00	0.	*	4 APR 1900	92	.00	.00	.00	0.
2 APR 1800	43	.00	.00	.00	0.	*	4 APR 2000	93	.00	.00	.00	0.
2 APR 1900	44	.00	.00	.00	0.	*	4 APR 2100	94	.00	.00	.00	0.
2 APR 2000	45	.00	.00	.00	0.	*	4 APR 2200	95	.00	.00	.00	0.
2 APR 2100	46	.00	.00	.00	0.	*	4 APR 2300	96	.00	.00	.00	0.
2 APR 2200	47	.00	.00	.00	0.	*	5 APR 0000	97	.00	.00	.00	0.
2 APR 2300	48	.00	.00	.00	0.	*	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 = .22, TOTAL LOSS = .00, TOTAL EXCESS = .22

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
75.	15.00	64.	32.	11.	8.
	(INCHES)	.105	.214	.220	.220
	(AC-FT)	32.	64.	66.	66.
CUMULATIVE AREA =		5.64 SQ MI			

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128 KK

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C

LAMB CANYON CONFLUENCE

130 HC

HYDROGRAPH COMBINATION

ICOMP

2

NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION C
SUM OF 2 HYDROGRAPHS

SJR_2yr.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	1281.	*	3	APR	0200	51	117.	*	4	APR	0300	76	3.
1	APR	0100	2	7.	*	2	APR	0200	27	1144.	*	3	APR	0300	52	106.	*	4	APR	0400	77	2.
1	APR	0200	3	37.	*	2	APR	0300	28	1003.	*	3	APR	0400	53	98.	*	4	APR	0500	78	2.
1	APR	0300	4	106.	*	2	APR	0400	29	865.	*	3	APR	0500	54	89.	*	4	APR	0600	79	1.
1	APR	0400	5	212.	*	2	APR	0500	30	741.	*	3	APR	0600	55	79.	*	4	APR	0700	80	1.
1	APR	0500	6	346.	*	2	APR	0600	31	645.	*	3	APR	0700	56	69.	*	4	APR	0800	81	0.
1	APR	0600	7	488.	*	2	APR	0700	32	571.	*	3	APR	0800	57	61.	*	4	APR	0900	82	0.
1	APR	0700	8	640.	*	2	APR	0800	33	512.	*	3	APR	0900	58	55.	*	4	APR	1000	83	0.
1	APR	0800	9	805.	*	2	APR	0900	34	464.	*	3	APR	1000	59	50.	*	4	APR	1100	84	0.
1	APR	0900	10	1003.	*	2	APR	1000	35	423.	*	3	APR	1100	60	47.	*	4	APR	1200	85	0.
1	APR	1000	11	1254.	*	2	APR	1100	36	389.	*	3	APR	1200	61	45.	*	4	APR	1300	86	0.
1	APR	1100	12	1572.	*	2	APR	1200	37	359.	*	3	APR	1300	62	43.	*	4	APR	1400	87	0.
1	APR	1200	13	1930.	*	2	APR	1300	38	332.	*	3	APR	1400	63	40.	*	4	APR	1500	88	0.
1	APR	1300	14	2276.	*	2	APR	1400	39	308.	*	3	APR	1500	64	38.	*	4	APR	1600	89	0.
1	APR	1400	15	2618.	*	2	APR	1500	40	286.	*	3	APR	1600	65	36.	*	4	APR	1700	90	0.
1	APR	1500	16	2975.	*	2	APR	1600	41	265.	*	3	APR	1700	66	33.	*	4	APR	1800	91	0.
1	APR	1600	17	3350.	*	2	APR	1700	42	246.	*	3	APR	1800	67	30.	*	4	APR	1900	92	0.
1	APR	1700	18	3614.	*	2	APR	1800	43	228.	*	3	APR	1900	68	27.	*	4	APR	2000	93	0.
1	APR	1800	19	3600.	*	2	APR	1900	44	211.	*	3	APR	2000	69	24.	*	4	APR	2100	94	0.
1	APR	1900	20	3256.	*	2	APR	2000	45	194.	*	3	APR	2100	70	20.	*	4	APR	2200	95	0.
1	APR	2000	21	2737.	*	2	APR	2100	46	178.	*	3	APR	2200	71	16.	*	4	APR	2300	96	0.
1	APR	2100	22	2219.	*	2	APR	2200	47	163.	*	3	APR	2300	72	11.	*	5	APR	0000	97	0.
1	APR	2200	23	1850.	*	2	APR	2300	48	150.	*	4	APR	0000	73	7.	*	5	APR	0100	98	0.
1	APR	2300	24	1605.	*	3	APR	0000	49	139.	*	4	APR	0100	74	4.	*	5	APR	0200	99	0.
2	APR	0000	25	1428.	*	3	APR	0100	50	128.	*	4	APR	0200	75	3.	*	5	APR	0300	100	0.
					*						*						*					

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW				
+	(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
		(CFS)				
+	3614.	17.00	3246.	1849.	726.	528.
		(INCHES)	.101	.230	.271	.271
		(AC-FT)	1609.	3668.	4322.	4323.

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 .22 BASIN TOTAL PRECIPITATION

137 PI

INCREMENTAL PRECIPITATION PATTERN

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

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				

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	5.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	10.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	15.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	20.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.01	.00	.01	26.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	31.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	38.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	46.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.01	.00	.01	60.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.02	.00	.02	78.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.02	.00	.02	84.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.02	.00	.02	90.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.02	.00	.02	107.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.03	.00	.03	130.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.02	.00	.02	131.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.02	.00	.02	126.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.01	.00	.01	88.	*	3	APR	1900	68	.00	.00	.00	0.

SJRW2yr.out													
1 APR 1800	19	.00	.00	.00	63.	*	3 APR 2000	69	.00	.00	.00	0.	
1 APR 1900	20	.00	.00	.00	49.	*	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	34.	*	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	25.	*	4 APR 0100	74	.00	.00	.00	0.	
2 APR 0000	25	.00	.00	.00	21.	*	4 APR 0200	75	.00	.00	.00	0.	
2 APR 0100	26	.00	.00	.00	15.	*	4 APR 0300	76	.00	.00	.00	0.	
2 APR 0200	27	.00	.00	.00	10.	*	4 APR 0400	77	.00	.00	.00	0.	
2 APR 0300	28	.00	.00	.00	7.	*	4 APR 0500	78	.00	.00	.00	0.	
2 APR 0400	29	.00	.00	.00	5.	*	4 APR 0600	79	.00	.00	.00	0.	
2 APR 0500	30	.00	.00	.00	4.	*	4 APR 0700	80	.00	.00	.00	0.	
2 APR 0600	31	.00	.00	.00	3.	*	4 APR 0800	81	.00	.00	.00	0.	
2 APR 0700	32	.00	.00	.00	2.	*	4 APR 0900	82	.00	.00	.00	0.	
2 APR 0800	33	.00	.00	.00	1.	*	4 APR 1000	83	.00	.00	.00	0.	
2 APR 0900	34	.00	.00	.00	1.	*	4 APR 1100	84	.00	.00	.00	0.	
2 APR 1000	35	.00	.00	.00	0.	*	4 APR 1200	85	.00	.00	.00	0.	
2 APR 1100	36	.00	.00	.00	0.	*	4 APR 1300	86	.00	.00	.00	0.	
2 APR 1200	37	.00	.00	.00	0.	*	4 APR 1400	87	.00	.00	.00	0.	
2 APR 1300	38	.00	.00	.00	0.	*	4 APR 1500	88	.00	.00	.00	0.	
2 APR 1400	39	.00	.00	.00	0.	*	4 APR 1600	89	.00	.00	.00	0.	
2 APR 1500	40	.00	.00	.00	0.	*	4 APR 1700	90	.00	.00	.00	0.	
2 APR 1600	41	.00	.00	.00	0.	*	4 APR 1800	91	.00	.00	.00	0.	
2 APR 1700	42	.00	.00	.00	0.	*	4 APR 1900	92	.00	.00	.00	0.	
2 APR 1800	43	.00	.00	.00	0.	*	4 APR 2000	93	.00	.00	.00	0.	
2 APR 1900	44	.00	.00	.00	0.	*	4 APR 2100	94	.00	.00	.00	0.	
2 APR 2000	45	.00	.00	.00	0.	*	4 APR 2200	95	.00	.00	.00	0.	
2 APR 2100	46	.00	.00	.00	0.	*	4 APR 2300	96	.00	.00	.00	0.	
2 APR 2200	47	.00	.00	.00	0.	*	5 APR 0000	97	.00	.00	.00	0.	
2 APR 2300	48	.00	.00	.00	0.	*	5 APR 0100	98	.00	.00	.00	0.	
3 APR 0000	49	.00	.00	.00	0.	*	5 APR 0200	99	.00	.00	.00	0.	
3 APR 0100	50	.00	.00	.00	0.	*	5 APR 0300	100	.00	.00	.00	0.	

TOTAL RAINFALL = .22, TOTAL LOSS = .00, TOTAL EXCESS = .22

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
+					
131.	15.00	112.	56.	19.	14.
	(INCHES)	.107	.216	.222	.222
	(AC-FT)	55.	112.	115.	115.
CUMULATIVE AREA =		9.73 SQ MI			

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 151 KK * 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	1296.	*	3	APR	0200	51	117.	*	4	APR	0300	76	3.	*
1	APR	0100	2	12.	*	2	APR	0200	27	1154.	*	3	APR	0300	52	106.	*	4	APR	0400	77	2.	*
1	APR	0200	3	47.	*	2	APR	0300	28	1010.	*	3	APR	0400	53	98.	*	4	APR	0500	78	2.	*
1	APR	0300	4	121.	*	2	APR	0400	29	870.	*	3	APR	0500	54	89.	*	4	APR	0600	79	1.	*
1	APR	0400	5	231.	*	2	APR	0500	30	745.	*	3	APR	0600	55	79.	*	4	APR	0700	80	1.	*
1	APR	0500	6	372.	*	2	APR	0600	31	647.	*	3	APR	0700	56	69.	*	4	APR	0800	81	0.	*
1	APR	0600	7	519.	*	2	APR	0700	32	573.	*	3	APR	0800	57	61.	*	4	APR	0900	82	0.	*
1	APR	0700	8	678.	*	2	APR	0800	33	513.	*	3	APR	0900	58	55.	*	4	APR	1000	83	0.	*
1	APR	0800	9	851.	*	2	APR	0900	34	464.	*	3	APR	1000	59	50.	*	4	APR	1100	84	0.	*
1	APR	0900	10	1063.	*	2	APR	1000	35	424.	*	3	APR	1100	60	47.	*	4	APR	1200	85	0.	*
1	APR	1000	11	1332.	*	2	APR	1100	36	390.	*	3	APR	1200	61	45.	*	4	APR	1300	86	0.	*
1	APR	1100	12	1657.	*	2	APR	1200	37	359.	*	3	APR	1300	62	43.	*	4	APR	1400	87	0.	*
1	APR	1200	13	2020.	*	2	APR	1300	38	332.	*	3	APR	1400	63	40.	*	4	APR	1500	88	0.	*
1	APR	1300	14	2383.	*	2	APR	1400	39	308.	*	3	APR	1500	64	38.	*	4	APR	1600	89	0.	*
1	APR	1400	15	2748.	*	2	APR	1500	40	286.	*	3	APR	1600	65	36.	*	4	APR	1700	90	0.	*
1	APR	1500	16	3107.	*	2	APR	1600	41	265.	*	3	APR	1700	66	33.	*	4	APR	1800	91	0.	*
1	APR	1600	17	3476.	*	2	APR	1700	42	246.	*	3	APR	1800	67	30.	*	4	APR	1900	92	0.	*
1	APR	1700	18	3702.	*	2	APR	1800	43	228.	*	3	APR	1900	68	27.	*	4	APR	2000	93	0.	*
1	APR	1800	19	3663.	*	2	APR	1900	44	211.	*	3	APR	2000	69	24.	*	4	APR	2100	94	0.	*
1	APR	1900	20	3305.	*	2	APR	2000	45	194.	*	3	APR	2100	70	20.	*	4	APR	2200	95	0.	*
1	APR	2000	21	2778.	*	2	APR	2100	46	178.	*	3	APR	2200	71	16.	*	4	APR	2300	96	0.	*
1	APR	2100	22	2253.	*	2	APR	2200	47	163.	*	3	APR	2300	72	11.	*	5	APR	0000	97	0.	*
1	APR	2200	23	1879.	*	2	APR	2300	48	150.	*	4	APR	0000	73	7.	*	5	APR	0100	98	0.	*
1	APR	2300	24	1630.	*	3	APR	0000	49	139.	*	4	APR	0100	74	4.	*	5	APR	0200	99	0.	*
2	APR	0000	25	1449.	*	3	APR	0100	50	128.	*	4	APR	0200	75	3.	*	5	APR	0300	100	0.	*

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	3702.	17.00	3336.	1902.	746.	542.
		(INCHES)	.101	.229	.270	.270
		(AC-FT)	1654.	3772.	4437.	4438.

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
 * *

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 .18 BASIN TOTAL PRECIPITATION

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

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
 370.0 299.0 210.0 109.0 109.0 109.0 109.0 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	19.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	37.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	54.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	71.	*	3	APR	0600	55	.00	.00	.00	0.

SJR_2yr.out

1	APR	0500	6	.00	.00	.00	93.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	109.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	135.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	166.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.01	.00	.01	215.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.01	.00	.01	280.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.01	.00	.01	303.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	323.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.02	.00	.02	388.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.02	.00	.02	462.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.02	.00	.02	474.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.02	.00	.02	455.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.00	.00	.00	322.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	233.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	185.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	153.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	130.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	113.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	99.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	86.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	62.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	44.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	32.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	24.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	18.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	15.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	11.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	8.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	5.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	3.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	2.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	1.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	1.	*	4	APR	1500	88	.00	.00	.00	0.
2	APR	1400	39	.00	.00	.00	1.	*	4	APR	1600	89	.00	.00	.00	0.
2	APR	1500	40	.00	.00	.00	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 = .18, TOTAL LOSS = .00, TOTAL EXCESS = .18

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)					
		(CFS)					
+	474.	15.00	403.	206.	71.	52.	
		(INCHES)	.085	.175	.181	.181	
		(AC-FT)	200.	409.	424.	424.	

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CUMULATIVE AREA = 43.98 SQ MI

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169 KK

* *
* E *
* *

BRIDGE STREET

171 HC HYDROGRAPH COMBINATION
ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION E
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1	APR	0000	1	0.	*	2	APR	0100	26	1358.	*	3	APR	0200	51	117.	*	4	APR	0300	76	3.
1	APR	0100	2	31.	*	2	APR	0200	27	1198.	*	3	APR	0300	52	106.	*	4	APR	0400	77	2.
1	APR	0200	3	84.	*	2	APR	0300	28	1042.	*	3	APR	0400	53	98.	*	4	APR	0500	78	2.
1	APR	0300	4	175.	*	2	APR	0400	29	894.	*	3	APR	0500	54	89.	*	4	APR	0600	79	1.
1	APR	0400	5	302.	*	2	APR	0500	30	764.	*	3	APR	0600	55	79.	*	4	APR	0700	80	1.
1	APR	0500	6	464.	*	2	APR	0600	31	662.	*	3	APR	0700	56	69.	*	4	APR	0800	81	0.
1	APR	0600	7	628.	*	2	APR	0700	32	584.	*	3	APR	0800	57	61.	*	4	APR	0900	82	0.
1	APR	0700	8	813.	*	2	APR	0800	33	521.	*	3	APR	0900	58	55.	*	4	APR	1000	83	0.
1	APR	0800	9	1017.	*	2	APR	0900	34	469.	*	3	APR	1000	59	50.	*	4	APR	1100	84	0.
1	APR	0900	10	1278.	*	2	APR	1000	35	427.	*	3	APR	1100	60	47.	*	4	APR	1200	85	0.
1	APR	1000	11	1612.	*	2	APR	1100	36	392.	*	3	APR	1200	61	45.	*	4	APR	1300	86	0.
1	APR	1100	12	1960.	*	2	APR	1200	37	361.	*	3	APR	1300	62	43.	*	4	APR	1400	87	0.
1	APR	1200	13	2342.	*	2	APR	1300	38	333.	*	3	APR	1400	63	40.	*	4	APR	1500	88	0.
1	APR	1300	14	2772.	*	2	APR	1400	39	308.	*	3	APR	1500	64	38.	*	4	APR	1600	89	0.
1	APR	1400	15	3210.	*	2	APR	1500	40	286.	*	3	APR	1600	65	36.	*	4	APR	1700	90	0.
1	APR	1500	16	3581.	*	2	APR	1600	41	266.	*	3	APR	1700	66	33.	*	4	APR	1800	91	0.
1	APR	1600	17	3931.	*	2	APR	1700	42	246.	*	3	APR	1800	67	30.	*	4	APR	1900	92	0.
1	APR	1700	18	4025.	*	2	APR	1800	43	228.	*	3	APR	1900	68	27.	*	4	APR	2000	93	0.
1	APR	1800	19	3897.	*	2	APR	1900	44	211.	*	3	APR	2000	69	24.	*	4	APR	2100	94	0.
1	APR	1900	20	3490.	*	2	APR	2000	45	194.	*	3	APR	2100	70	20.	*	4	APR	2200	95	0.
1	APR	2000	21	2930.	*	2	APR	2100	46	178.	*	3	APR	2200	71	16.	*	4	APR	2300	96	0.
1	APR	2100	22	2383.	*	2	APR	2200	47	163.	*	3	APR	2300	72	11.	*	5	APR	0000	97	0.
1	APR	2200	23	1992.	*	2	APR	2300	48	150.	*	4	APR	0000	73	7.	*	5	APR	0100	98	0.
1	APR	2300	24	1729.	*	3	APR	0000	49	139.	*	4	APR	0100	74	4.	*	5	APR	0200	99	0.
2	APR	0000	25	1535.	*	3	APR	0100	50	128.	*	4	APR	0200	75	3.	*	5	APR	0300	100	0.

SJR_2yr.out

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	4025.	17.00	3666.	2100.	817.	594.
		(INCHES)	.097	.222	.259	.259
		(AC-FT)	1818.	4165.	4861.	4863.

CUMULATIVE AREA = 352.48 SQ MI

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

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 * *
 173 KK * E-F * ROUTE
 * *

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

HYDROGRAPH ROUTING DATA

179 RS	STORAGE ROUTING		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.				

HYDROGRAPH AT STATION E-F

*****				*****				*****				*****							
DA	MON	HRMN	ORD	OUTFLOW	STORAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE
1	APR	0000	1	0.	.00	*	2	APR	1000	35	132.	476.55	*	3	APR	2000	69	349.	1260.05
1	APR	0100	2	0.	.00	*	2	APR	1100	36	145.	524.99	*	3	APR	2100	70	351.	1268.66
1	APR	0200	3	0.	.00	*	2	APR	1200	37	158.	572.87	*	3	APR	2200	71	353.	1276.78

SJR_2yr.out													
1 APR 0300	4	0.	.01	*	2 APR 1300	38	171.	619.46	*	3 APR 2300	72	355.	1284.43
1 APR 0400	5	0.	.02	*	2 APR 1400	39	184.	664.18	*	4 APR 0000	73	357.	1291.62
1 APR 0500	6	0.	.05	*	2 APR 1500	40	195.	706.61	*	4 APR 0100	74	359.	1298.35
1 APR 0600	7	0.	.12	*	2 APR 1600	41	207.	746.46	*	4 APR 0200	75	361.	1304.62
1 APR 0700	8	0.	.24	*	2 APR 1700	42	217.	783.55	*	4 APR 0300	76	363.	1310.45
1 APR 0800	9	0.	.44	*	2 APR 1800	43	226.	817.92	*	4 APR 0400	77	364.	1315.83
1 APR 0900	10	0.	.76	*	2 APR 1900	44	235.	849.79	*	4 APR 0500	78	365.	1320.77
1 APR 1000	11	0.	1.23	*	2 APR 2000	45	243.	879.38	*	4 APR 0600	79	367.	1325.29
1 APR 1100	12	1.	1.91	*	2 APR 2100	46	251.	906.91	*	4 APR 0700	80	368.	1329.38
1 APR 1200	13	1.	2.84	*	2 APR 2200	47	258.	932.53	*	4 APR 0800	81	369.	1333.05
1 APR 1300	14	1.	4.12	*	2 APR 2300	48	265.	956.40	*	4 APR 0900	82	370.	1336.31
1 APR 1400	15	2.	5.81	*	3 APR 0000	49	271.	978.65	*	4 APR 1000	83	370.	1339.17
1 APR 1500	16	2.	8.02	*	3 APR 0100	50	276.	999.38	*	4 APR 1100	84	371.	1341.64
1 APR 1600	17	3.	10.84	*	3 APR 0200	51	282.	1018.69	*	4 APR 1200	85	372.	1343.71
1 APR 1700	18	4.	14.50	*	3 APR 0300	52	287.	1036.79	*	4 APR 1300	86	372.	1345.40
1 APR 1800	19	5.	19.55	*	3 APR 0400	53	292.	1054.09	*	4 APR 1400	87	373.	1346.72
1 APR 1900	20	7.	26.88	*	3 APR 0500	54	296.	1070.87	*	4 APR 1500	88	373.	1347.66
1 APR 2000	21	10.	37.29	*	3 APR 0600	55	301.	1087.11	*	4 APR 1600	89	373.	1348.25
1 APR 2100	22	14.	51.28	*	3 APR 0700	56	305.	1102.82	*	4 APR 1700	90	373.	1348.48
1 APR 2200	23	19.	68.95	*	3 APR 0800	57	309.	1118.01	*	4 APR 1800	91	373.	1348.37
1 APR 2300	24	25.	90.06	*	3 APR 0900	58	313.	1132.67	*	4 APR 1900	92	373.	1347.92
2 APR 0000	25	32.	114.19	*	3 APR 1000	59	317.	1146.81	*	4 APR 2000	93	373.	1347.14
2 APR 0100	26	39.	140.91	*	3 APR 1100	60	321.	1160.42	*	4 APR 2100	94	372.	1346.04
2 APR 0200	27	47.	169.83	*	3 APR 1200	61	325.	1173.52	*	4 APR 2200	95	372.	1344.62
2 APR 0300	28	55.	200.59	*	3 APR 1300	62	328.	1186.10	*	4 APR 2300	96	372.	1342.90
2 APR 0400	29	64.	232.83	*	3 APR 1400	63	331.	1198.17	*	5 APR 0000	97	371.	1340.87
2 APR 0500	30	74.	266.21	*	3 APR 1500	64	335.	1209.73	*	5 APR 0100	98	370.	1338.55
2 APR 0600	31	83.	300.57	*	3 APR 1600	65	338.	1220.79	*	5 APR 0200	99	370.	1335.94
2 APR 0700	32	94.	338.68	*	3 APR 1700	66	341.	1231.34	*	5 APR 0300	100	369.	1333.06
2 APR 0800	33	106.	382.03	*	3 APR 1800	67	343.	1241.40	*				
2 APR 0900	34	119.	428.50	*	3 APR 1900	68	346.	1250.97	*				

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
+	373.	373.	370.	295.	217.
		(CFS)			
		(INCHES)			
		(AC-FT)			
		185.	735.	1758.	1778.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
(AC-FT)	(HR)	6-HR	24-HR	72-HR	99.00-HR
+	1348.	1348.	1339.	1068.	785.

CUMULATIVE AREA = 352.48 SQ MI

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

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*****
*
185 KK      10      *   SUBAREA 10
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JACK RABBIT

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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

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SUBBASIN RUNOFF DATA

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187 BA      SUBBASIN CHARACTERISTICS
              TAREA      17.90 SUBBASIN AREA

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PRECIPITATION DATA

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188 PB      STORM      .20 BASIN TOTAL PRECIPITATION

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

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

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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

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HYDROGRAPH AT STATION 10

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	6.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	16.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	24.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	32.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	41.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	49.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	60.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	74.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.01	.00	.01	95.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.01	.00	.01	124.	*	3	APR	1200	61	.00	.00	.00	0.

SJR_2yr.out

1 APR 1100	12	.01	.00	.01	138.	*	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	.02	.00	.02	170.	*	3 APR 1500	64	.00	.00	.00	0.
1 APR 1400	15	.02	.00	.02	216.	*	3 APR 1600	65	.00	.00	.00	0.
1 APR 1500	16	.02	.00	.02	215.	*	3 APR 1700	66	.00	.00	.00	0.
1 APR 1600	17	.02	.00	.02	212.	*	3 APR 1800	67	.00	.00	.00	0.
1 APR 1700	18	.01	.00	.01	157.	*	3 APR 1900	68	.00	.00	.00	0.
1 APR 1800	19	.00	.00	.00	107.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.00	.00	.00	84.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.00	.00	.00	67.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.00	.00	.00	56.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.00	.00	.00	48.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.00	.00	.00	42.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.00	.00	.00	35.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	25.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	17.	*	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	8.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	6.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	4.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	3.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	2.	*	4 APR 1000	83	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	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.
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 = .20, TOTAL LOSS = .00, TOTAL EXCESS = .20

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
(CFS)	(HR)	(CFS)				
+						
216.	14.00	185.	93.	32.	23.	
		(INCHES)	.096	.194	.199	.199
		(AC-FT)	92.	185.	190.	190.

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 .20 BASIN TOTAL PRECIPITATION

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

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

219 UI INPUT UNITGRAPH, 15 ORDINATES, VOLUME = 1.00
 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	5.	*	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	24.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	33.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	42.	*	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.

SJRW_2yr.out												
1 APR 0800	9	.01	.00	.01	76.	*	3 APR 1000	59	.00	.00	.00	0.
1 APR 0900	10	.01	.00	.01	98.	*	3 APR 1100	60	.00	.00	.00	0.
1 APR 1000	11	.01	.00	.01	128.	*	3 APR 1200	61	.00	.00	.00	0.
1 APR 1100	12	.01	.00	.01	144.	*	3 APR 1300	62	.00	.00	.00	0.
1 APR 1200	13	.02	.00	.02	158.	*	3 APR 1400	63	.00	.00	.00	0.
1 APR 1300	14	.02	.00	.02	175.	*	3 APR 1500	64	.00	.00	.00	0.
1 APR 1400	15	.03	.00	.03	227.	*	3 APR 1600	65	.00	.00	.00	0.
1 APR 1500	16	.02	.00	.02	224.	*	3 APR 1700	66	.00	.00	.00	0.
1 APR 1600	17	.02	.00	.02	223.	*	3 APR 1800	67	.00	.00	.00	0.
1 APR 1700	18	.01	.00	.01	169.	*	3 APR 1900	68	.00	.00	.00	0.
1 APR 1800	19	.00	.00	.00	113.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.00	.00	.00	88.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.00	.00	.00	70.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.00	.00	.00	58.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.00	.00	.00	50.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.00	.00	.00	43.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.00	.00	.00	36.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	26.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	17.	*	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	8.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	6.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	4.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	2.	*	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	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 = .21, TOTAL LOSS = .00, TOTAL EXCESS = .21

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW 24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	227.	14.00	194.	97.	33.	24.
		(INCHES)	.100	.200	.205	.205
		(AC-FT)	96.	193.	198.	198.

CUMULATIVE AREA = 18.10 SQ MI

SJR_2yr.out

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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

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	91.	*	3	APR	0200	51	282.	*	4	APR	0300	76	363.	*
1	APR	0100	2	12.	*	2	APR	0200	27	80.	*	3	APR	0300	52	287.	*	4	APR	0400	77	364.	*
1	APR	0200	3	33.	*	2	APR	0300	28	78.	*	3	APR	0400	53	292.	*	4	APR	0500	78	365.	*
1	APR	0300	4	48.	*	2	APR	0400	29	81.	*	3	APR	0500	54	296.	*	4	APR	0600	79	367.	*
1	APR	0400	5	65.	*	2	APR	0500	30	85.	*	3	APR	0600	55	301.	*	4	APR	0700	80	368.	*
1	APR	0500	6	83.	*	2	APR	0600	31	91.	*	3	APR	0700	56	305.	*	4	APR	0800	81	369.	*
1	APR	0600	7	101.	*	2	APR	0700	32	99.	*	3	APR	0800	57	309.	*	4	APR	0900	82	370.	*
1	APR	0700	8	123.	*	2	APR	0800	33	109.	*	3	APR	0900	58	313.	*	4	APR	1000	83	370.	*
1	APR	0800	9	150.	*	2	APR	0900	34	121.	*	3	APR	1000	59	317.	*	4	APR	1100	84	371.	*
1	APR	0900	10	194.	*	2	APR	1000	35	133.	*	3	APR	1100	60	321.	*	4	APR	1200	85	372.	*
1	APR	1000	11	252.	*	2	APR	1100	36	146.	*	3	APR	1200	61	325.	*	4	APR	1300	86	372.	*
1	APR	1100	12	282.	*	2	APR	1200	37	159.	*	3	APR	1300	62	328.	*	4	APR	1400	87	373.	*
1	APR	1200	13	309.	*	2	APR	1300	38	172.	*	3	APR	1400	63	331.	*	4	APR	1500	88	373.	*
1	APR	1300	14	346.	*	2	APR	1400	39	184.	*	3	APR	1500	64	335.	*	4	APR	1600	89	373.	*
1	APR	1400	15	444.	*	2	APR	1500	40	196.	*	3	APR	1600	65	338.	*	4	APR	1700	90	373.	*
1	APR	1500	16	441.	*	2	APR	1600	41	207.	*	3	APR	1700	66	341.	*	4	APR	1800	91	373.	*
1	APR	1600	17	438.	*	2	APR	1700	42	217.	*	3	APR	1800	67	343.	*	4	APR	1900	92	373.	*
1	APR	1700	18	330.	*	2	APR	1800	43	226.	*	3	APR	1900	68	346.	*	4	APR	2000	93	373.	*
1	APR	1800	19	225.	*	2	APR	1900	44	235.	*	3	APR	2000	69	349.	*	4	APR	2100	94	372.	*
1	APR	1900	20	180.	*	2	APR	2000	45	243.	*	3	APR	2100	70	351.	*	4	APR	2200	95	372.	*
1	APR	2000	21	148.	*	2	APR	2100	46	251.	*	3	APR	2200	71	353.	*	4	APR	2300	96	372.	*
1	APR	2100	22	129.	*	2	APR	2200	47	258.	*	3	APR	2300	72	355.	*	5	APR	0000	97	371.	*
1	APR	2200	23	117.	*	2	APR	2300	48	265.	*	4	APR	0000	73	357.	*	5	APR	0100	98	370.	*
1	APR	2300	24	110.	*	3	APR	0000	49	271.	*	4	APR	0100	74	359.	*	5	APR	0200	99	370.	*
2	APR	0000	25	103.	*	3	APR	0100	50	276.	*	4	APR	0200	75	361.	*	5	APR	0300	100	369.	*

PEAK FLOW TIME
6-HR 24-HR 72-HR 99.00-HR
Page 48

+	(CFS)	(HR)				
			(CFS)			
+	444.	14.00		381.	370.	296.
			(INCHES)	.009	.035	.085
			(AC-FT)	189.	735.	1763.
						265.
						.105
						2165.

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-----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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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

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.				

* * *

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	126.	81.21	*	3	APR	2000	69	320.	206.89
1	APR	0100	2	1.	.45	*	2	APR	1100	36	127.	82.30	*	3	APR	2100	70	324.	209.18
1	APR	0200	3	3.	2.12	*	2	APR	1200	37	130.	84.26	*	3	APR	2200	71	327.	211.38
1	APR	0300	4	8.	4.98	*	2	APR	1300	38	135.	86.99	*	3	APR	2300	72	330.	213.48
1	APR	0400	5	14.	8.75	*	2	APR	1400	39	140.	90.34	*	4	APR	0000	73	334.	215.49
1	APR	0500	6	21.	13.44	*	2	APR	1500	40	146.	94.22	*	4	APR	0100	74	337.	217.44

SJRW2yr.out													
1 APR 0600	7	29.	18.95	*	2 APR 1600	41	152.	98.51	*	4 APR 0200	75	339.	219.23
1 APR 0700	8	39.	25.35	*	2 APR 1700	42	160.	103.10	*	4 APR 0300	76	342.	220.97
1 APR 0800	9	51.	32.89	*	2 APR 1800	43	167.	107.91	*	4 APR 0400	77	345.	222.62
1 APR 0900	10	65.	42.28	*	2 APR 1900	44	175.	112.86	*	4 APR 0500	78	347.	224.18
1 APR 1000	11	84.	54.53	*	2 APR 2000	45	182.	117.87	*	4 APR 0600	79	349.	225.66
1 APR 1100	12	106.	68.73	*	2 APR 2100	46	190.	122.89	*	4 APR 0700	80	351.	227.05
1 APR 1200	13	129.	83.41	*	2 APR 2200	47	198.	127.87	*	4 APR 0800	81	353.	228.35
1 APR 1300	14	153.	98.82	*	2 APR 2300	48	206.	132.79	*	4 APR 0900	82	355.	229.58
1 APR 1400	15	182.	117.63	*	3 APR 0000	49	213.	137.62	*	4 APR 1000	83	357.	230.72
1 APR 1500	16	213.	137.84	*	3 APR 0100	50	220.	142.32	*	4 APR 1100	84	359.	231.78
1 APR 1600	17	241.	155.39	*	3 APR 0200	51	227.	146.89	*	4 APR 1200	85	360.	232.76
1 APR 1700	18	258.	166.52	*	3 APR 0300	52	234.	151.32	*	4 APR 1300	86	362.	233.67
1 APR 1800	19	260.	168.05	*	3 APR 0400	53	241.	155.59	*	4 APR 1400	87	363.	234.50
1 APR 1900	20	253.	163.59	*	3 APR 0500	54	247.	159.71	*	4 APR 1500	88	364.	235.25
1 APR 2000	21	243.	156.66	*	3 APR 0600	55	253.	163.69	*	4 APR 1600	89	365.	235.93
1 APR 2100	22	230.	148.58	*	3 APR 0700	56	259.	167.54	*	4 APR 1700	90	366.	236.54
1 APR 2200	23	217.	140.26	*	3 APR 0800	57	265.	171.26	*	4 APR 1800	91	367.	237.07
1 APR 2300	24	205.	132.20	*	3 APR 0900	58	271.	174.85	*	4 APR 1900	92	368.	237.54
2 APR 0000	25	193.	124.55	*	3 APR 1000	59	276.	178.32	*	4 APR 2000	93	368.	237.93
2 APR 0100	26	181.	117.08	*	3 APR 1100	60	281.	181.66	*	4 APR 2100	94	369.	238.26
2 APR 0200	27	170.	109.64	*	3 APR 1200	61	286.	184.90	*	4 APR 2200	95	369.	238.52
2 APR 0300	28	159.	102.61	*	3 APR 1300	62	291.	188.02	*	4 APR 2300	96	370.	238.72
2 APR 0400	29	149.	96.46	*	3 APR 1400	63	296.	191.03	*	5 APR 0000	97	370.	238.85
2 APR 0500	30	141.	91.32	*	3 APR 1500	64	300.	193.93	*	5 APR 0100	98	370.	238.92
2 APR 0600	31	135.	87.20	*	3 APR 1600	65	305.	196.73	*	5 APR 0200	99	370.	238.93
2 APR 0700	32	130.	84.09	*	3 APR 1700	66	309.	199.42	*	5 APR 0300	100	370.	238.88
2 APR 0800	33	127.	82.04	*	3 APR 1800	67	313.	202.01	*				
2 APR 0900	34	126.	81.10	*	3 APR 1900	68	317.	204.50	*				
				*					*				

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW		
+	(CFS)	(HR)	6-HR	24-HR	72-HR
					99.00-HR
+	370.	98.00	370.	361.	273.
		(INCHES)	.009	.035	.079
		(AC-FT)	183.	717.	1627.

PEAK STORAGE	TIME		MAXIMUM AVERAGE STORAGE		
+	(AC-FT)	(HR)	6-HR	24-HR	72-HR
					99.00-HR
+	239.	98.00	239.	233.	177.
					152.

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//

*** **

 * *
 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										
	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	151.	79.89	*	3	APR	2000	69	291.	153.62
1	APR	0100	2	0.	.03	*	2	APR	1100	36	148.	77.99	*	3	APR	2100	70	295.	156.00
1	APR	0200	3	0.	.17	*	2	APR	1200	37	145.	76.55	*	3	APR	2200	71	300.	158.31
1	APR	0300	4	1.	.57	*	2	APR	1300	38	143.	75.60	*	3	APR	2300	72	304.	160.53
1	APR	0400	5	2.	1.30	*	2	APR	1400	39	142.	75.14	*	4	APR	0000	73	308.	162.68
1	APR	0500	6	5.	2.43	*	2	APR	1500	40	142.	75.18	*	4	APR	0100	74	312.	164.74
1	APR	0600	7	8.	4.00	*	2	APR	1600	41	143.	75.70	*	4	APR	0200	75	316.	166.73
1	APR	0700	8	11.	6.05	*	2	APR	1700	42	145.	76.68	*	4	APR	0300	76	319.	168.64
1	APR	0800	9	16.	8.62	*	2	APR	1800	43	148.	78.06	*	4	APR	0400	77	323.	170.48
1	APR	0900	10	22.	11.83	*	2	APR	1900	44	151.	79.83	*	4	APR	0500	78	326.	172.24
1	APR	1000	11	30.	15.86	*	2	APR	2000	45	155.	81.93	*	4	APR	0600	79	329.	173.92
1	APR	1100	12	40.	20.87	*	2	APR	2100	46	160.	84.32	*	4	APR	0700	80	332.	175.53
1	APR	1200	13	51.	26.86	*	2	APR	2200	47	165.	86.95	*	4	APR	0800	81	335.	177.06
1	APR	1300	14	64.	33.78	*	2	APR	2300	48	170.	89.79	*	4	APR	0900	82	338.	178.53
1	APR	1400	15	79.	41.71	*	3	APR	0000	49	176.	92.80	*	4	APR	1000	83	341.	179.92
1	APR	1500	16	96.	50.81	*	3	APR	0100	50	182.	95.94	*	4	APR	1100	84	343.	181.24
1	APR	1600	17	115.	60.83	*	3	APR	0200	51	188.	99.17	*	4	APR	1200	85	346.	182.49
1	APR	1700	18	135.	71.10	*	3	APR	0300	52	194.	102.46	*	4	APR	1300	86	348.	183.67
1	APR	1800	19	153.	80.63	*	3	APR	0400	53	200.	105.80	*	4	APR	1400	87	350.	184.78
1	APR	1900	20	168.	88.60	*	3	APR	0500	54	207.	109.14	*	4	APR	1500	88	352.	185.82
1	APR	2000	21	179.	94.73	*	3	APR	0600	55	213.	112.49	*	4	APR	1600	89	354.	186.80
1	APR	2100	22	188.	99.09	*	3	APR	0700	56	219.	115.81	*	4	APR	1700	90	356.	187.71

SJR_2yr.out

1 APR 2200	23	193.	101.84	*	3 APR 0800	57	226.	119.09	*	4 APR 1800	91	357.	188.56
1 APR 2300	24	195.	103.22	*	3 APR 0900	58	232.	122.34	*	4 APR 1900	92	359.	189.34
2 APR 0000	25	196.	103.47	*	3 APR 1000	59	238.	125.53	*	4 APR 2000	93	360.	190.06
2 APR 0100	26	195.	102.78	*	3 APR 1100	60	244.	128.66	*	4 APR 2100	94	361.	190.72
2 APR 0200	27	192.	101.31	*	3 APR 1200	61	249.	131.73	*	4 APR 2200	95	362.	191.32
2 APR 0300	28	188.	99.20	*	3 APR 1300	62	255.	134.73	*	4 APR 2300	96	363.	191.86
2 APR 0400	29	183.	96.61	*	3 APR 1400	63	261.	137.66	*	5 APR 0000	97	364.	192.34
2 APR 0500	30	178.	93.72	*	3 APR 1500	64	266.	140.51	*	5 APR 0100	98	365.	192.76
2 APR 0600	31	172.	90.71	*	3 APR 1600	65	271.	143.29	*	5 APR 0200	99	366.	193.13
2 APR 0700	32	166.	87.70	*	3 APR 1700	66	277.	145.99	*	5 APR 0300	100	366.	193.44
2 APR 0800	33	161.	84.83	*	3 APR 1800	67	281.	148.61	*				
2 APR 0900	34	156.	82.19	*	3 APR 1900	68	286.	151.16	*				

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	366.	99.00	364.	349.	258.	212.
		(INCHES)	.009	.033	.074	.084
		(AC-FT)	181.	692.	1532.	1733.

PEAK STORAGE	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(AC-FT)	(HR)				
	193.	99.00	192.	184.	136.	112.

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 .19 BASIN TOTAL PRECIPITATION

255 PI INCREMENTAL PRECIPITATION PATTERN

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

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	5.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	15.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	20.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	27.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	33.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	40.	*	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	57.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.01	.00	.01	75.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.01	.00	.01	98.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.01	.00	.01	107.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	115.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.02	.00	.02	125.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.02	.00	.02	168.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.02	.00	.02	158.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.02	.00	.02	152.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.01	.00	.01	97.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	48.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	32.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	23.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	19.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	16.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	15.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	13.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	8.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	3.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	1.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	0.	*	4	APR	0600	79	.00	.00	.00	0.

SJR_2yr.out

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

TOTAL RAINFALL = .19, TOTAL LOSS = .00, TOTAL EXCESS = .19

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW		
+	(CFS)	(HR)		24-HR	72-HR	99.00-HR
+	168.	14.00	(CFS)	137.	63.	21.
			(INCHES)	.104	.191	.192
			(AC-FT)	68.	125.	125.

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	*
1	APR	0000	1	0.	*	2	APR	0100	26	3.	*	3	APR	0200	51	0.	*
1	APR	0100	2	1.	*	2	APR	0200	27	1.	*	3	APR	0300	52	0.	*
1	APR	0200	3	4.	*	2	APR	0300	28	0.	*	3	APR	0400	53	0.	*
1	APR	0300	4	6.	*	2	APR	0400	29	0.	*	3	APR	0500	54	0.	*
1	APR	0400	5	8.	*	2	APR	0500	30	0.	*	3	APR	0600	55	0.	*
1	APR	0500	6	10.	*	2	APR	0600	31	0.	*	3	APR	0700	56	0.	*
1	APR	0600	7	12.	*	2	APR	0700	32	0.	*	3	APR	0800	57	0.	*
1	APR	0700	8	14.	*	2	APR	0800	33	0.	*	3	APR	0900	58	0.	*
1	APR	0800	9	17.	*	2	APR	0900	34	0.	*	3	APR	1000	59	0.	*
1	APR	0900	10	22.	*	2	APR	1000	35	0.	*	3	APR	1100	60	0.	*

SJR_2yr.out														
1 APR 1000	11	29.	*	2 APR 1100	36	0.	*	3 APR 1200	61	0.	*	4 APR 1300	86	0.
1 APR 1100	12	32.	*	2 APR 1200	37	0.	*	3 APR 1300	62	0.	*	4 APR 1400	87	0.
1 APR 1200	13	34.	*	2 APR 1300	38	0.	*	3 APR 1400	63	0.	*	4 APR 1500	88	0.
1 APR 1300	14	38.	*	2 APR 1400	39	0.	*	3 APR 1500	64	0.	*	4 APR 1600	89	0.
1 APR 1400	15	50.	*	2 APR 1500	40	0.	*	3 APR 1600	65	0.	*	4 APR 1700	90	0.
1 APR 1500	16	47.	*	2 APR 1600	41	0.	*	3 APR 1700	66	0.	*	4 APR 1800	91	0.
1 APR 1600	17	45.	*	2 APR 1700	42	0.	*	3 APR 1800	67	0.	*	4 APR 1900	92	0.
1 APR 1700	18	29.	*	2 APR 1800	43	0.	*	3 APR 1900	68	0.	*	4 APR 2000	93	0.
1 APR 1800	19	14.	*	2 APR 1900	44	0.	*	3 APR 2000	69	0.	*	4 APR 2100	94	0.
1 APR 1900	20	10.	*	2 APR 2000	45	0.	*	3 APR 2100	70	0.	*	4 APR 2200	95	0.
1 APR 2000	21	7.	*	2 APR 2100	46	0.	*	3 APR 2200	71	0.	*	4 APR 2300	96	0.
1 APR 2100	22	6.	*	2 APR 2200	47	0.	*	3 APR 2300	72	0.	*	5 APR 0000	97	0.
1 APR 2200	23	5.	*	2 APR 2300	48	0.	*	4 APR 0000	73	0.	*	5 APR 0100	98	0.
1 APR 2300	24	5.	*	3 APR 0000	49	0.	*	4 APR 0100	74	0.	*	5 APR 0200	99	0.
2 APR 0000	25	4.	*	3 APR 0100	50	0.	*	4 APR 0200	75	0.	*	5 APR 0300	100	0.

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	99.00-HR
+	(CFS)	(HR)		24-HR	72-HR
		(CFS)			
+	50.	14.00	41.	19.	6.
		(INCHES)	.031	.057	.058
		(AC-FT)	20.	37.	38.

CUMULATIVE AREA = 12.26 SQ MI

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*
268 KK      12A1  *   LAKEVIEW SUB-AREA  (70% VALLEY)
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COMBINE LAKEVIEW SUB-AREA AT THE U/S OF RAMONA EXPWY PER CDJ.

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

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SUBBASIN RUNOFF DATA

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

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PRECIPITATION DATA

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271 PB      STORM      .19  BASIN TOTAL PRECIPITATION

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SJR_2yr.out

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

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	5.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	14.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	19.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	26.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	32.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	38.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	47.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	56.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.01	.00	.01	73.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.01	.00	.01	95.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.01	.00	.01	104.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	112.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.02	.00	.02	124.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.02	.00	.02	165.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.02	.00	.02	154.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.02	.00	.02	150.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.01	.00	.01	99.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	53.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	39.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	27.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	21.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	17.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	16.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	14.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	9.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	3.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	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.

SJRW_2yr.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 = .19, TOTAL LOSS = .00, TOTAL EXCESS = .19

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW		
(CFS)	(HR)			24-HR	72-HR	99.00-HR
+		(CFS)				
+	165.	14.00	135.	63.	21.	15.
		(INCHES)	.102	.190	.192	.192
		(AC-FT)	67.	124.	125.	125.

CUMULATIVE AREA = 12.26 SQ MI

HYDROGRAPH MULTIPLIED BY .70

HYDROGRAPH AT STATION 12A1

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1 APR	0000	1	0.	*		2 APR	0100	26	6.	*		3 APR	0200	51	0.	*		4 APR	0300	76	0.		
1 APR	0100	2	3.	*		2 APR	0200	27	2.	*		3 APR	0300	52	0.	*		4 APR	0400	77	0.		
1 APR	0200	3	10.	*		2 APR	0300	28	1.	*		3 APR	0400	53	0.	*		4 APR	0500	78	0.		
1 APR	0300	4	13.	*		2 APR	0400	29	1.	*		3 APR	0500	54	0.	*		4 APR	0600	79	0.		
1 APR	0400	5	18.	*		2 APR	0500	30	0.	*		3 APR	0600	55	0.	*		4 APR	0700	80	0.		
1 APR	0500	6	23.	*		2 APR	0600	31	0.	*		3 APR	0700	56	0.	*		4 APR	0800	81	0.		
1 APR	0600	7	27.	*		2 APR	0700	32	0.	*		3 APR	0800	57	0.	*		4 APR	0900	82	0.		
1 APR	0700	8	33.	*		2 APR	0800	33	0.	*		3 APR	0900	58	0.	*		4 APR	1000	83	0.		
1 APR	0800	9	39.	*		2 APR	0900	34	0.	*		3 APR	1000	59	0.	*		4 APR	1100	84	0.		
1 APR	0900	10	51.	*		2 APR	1000	35	0.	*		3 APR	1100	60	0.	*		4 APR	1200	85	0.		
1 APR	1000	11	67.	*		2 APR	1100	36	0.	*		3 APR	1200	61	0.	*		4 APR	1300	86	0.		
1 APR	1100	12	73.	*		2 APR	1200	37	0.	*		3 APR	1300	62	0.	*		4 APR	1400	87	0.		
1 APR	1200	13	79.	*		2 APR	1300	38	0.	*		3 APR	1400	63	0.	*		4 APR	1500	88	0.		
1 APR	1300	14	86.	*		2 APR	1400	39	0.	*		3 APR	1500	64	0.	*		4 APR	1600	89	0.		

SJR_2yr.out														
1 APR 1400	15	116.	*	2 APR 1500	40	0.	*	3 APR 1600	65	0.	*	4 APR 1700	90	0.
1 APR 1500	16	108.	*	2 APR 1600	41	0.	*	3 APR 1700	66	0.	*	4 APR 1800	91	0.
1 APR 1600	17	105.	*	2 APR 1700	42	0.	*	3 APR 1800	67	0.	*	4 APR 1900	92	0.
1 APR 1700	18	70.	*	2 APR 1800	43	0.	*	3 APR 1900	68	0.	*	4 APR 2000	93	0.
1 APR 1800	19	37.	*	2 APR 1900	44	0.	*	3 APR 2000	69	0.	*	4 APR 2100	94	0.
1 APR 1900	20	27.	*	2 APR 2000	45	0.	*	3 APR 2100	70	0.	*	4 APR 2200	95	0.
1 APR 2000	21	19.	*	2 APR 2100	46	0.	*	3 APR 2200	71	0.	*	4 APR 2300	96	0.
1 APR 2100	22	15.	*	2 APR 2200	47	0.	*	3 APR 2300	72	0.	*	5 APR 0000	97	0.
1 APR 2200	23	12.	*	2 APR 2300	48	0.	*	4 APR 0000	73	0.	*	5 APR 0100	98	0.
1 APR 2300	24	11.	*	3 APR 0000	49	0.	*	4 APR 0100	74	0.	*	5 APR 0200	99	0.
2 APR 0000	25	9.	*	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)					
			(CFS)				
+	116.	14.00	94.	44.	15.	11.	
			(INCHES)	.071	.133	.134	.134
			(AC-FT)	47.	87.	88.	88.
CUMULATIVE AREA =			12.26 SQ MI				

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286 KK

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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	203.	*	3	APR	0200	51	188.	*	4	APR	0300	76	319.	*
1	APR	0100	2	5.	*	2	APR	0200	27	195.	*	3	APR	0300	52	194.	*	4	APR	0400	77	323.	*
1	APR	0200	3	15.	*	2	APR	0300	28	189.	*	3	APR	0400	53	200.	*	4	APR	0500	78	326.	*
1	APR	0300	4	21.	*	2	APR	0400	29	184.	*	3	APR	0500	54	207.	*	4	APR	0600	79	329.	*
1	APR	0400	5	29.	*	2	APR	0500	30	178.	*	3	APR	0600	55	213.	*	4	APR	0700	80	332.	*
1	APR	0500	6	37.	*	2	APR	0600	31	172.	*	3	APR	0700	56	219.	*	4	APR	0800	81	335.	*

SJR_2yr.out

1 APR 0600	7	46.	*	2 APR 0700	32	166.	*	3 APR 0800	57	226.	*	4 APR 0900	82	338.
1 APR 0700	8	58.	*	2 APR 0800	33	161.	*	3 APR 0900	58	232.	*	4 APR 1000	83	341.
1 APR 0800	9	73.	*	2 APR 0900	34	156.	*	3 APR 1000	59	238.	*	4 APR 1100	84	343.
1 APR 0900	10	96.	*	2 APR 1000	35	151.	*	3 APR 1100	60	244.	*	4 APR 1200	85	346.
1 APR 1000	11	126.	*	2 APR 1100	36	148.	*	3 APR 1200	61	249.	*	4 APR 1300	86	348.
1 APR 1100	12	145.	*	2 APR 1200	37	145.	*	3 APR 1300	62	255.	*	4 APR 1400	87	350.
1 APR 1200	13	164.	*	2 APR 1300	38	143.	*	3 APR 1400	63	261.	*	4 APR 1500	88	352.
1 APR 1300	14	188.	*	2 APR 1400	39	142.	*	3 APR 1500	64	266.	*	4 APR 1600	89	354.
1 APR 1400	15	245.	*	2 APR 1500	40	142.	*	3 APR 1600	65	271.	*	4 APR 1700	90	356.
1 APR 1500	16	251.	*	2 APR 1600	41	143.	*	3 APR 1700	66	277.	*	4 APR 1800	91	357.
1 APR 1600	17	266.	*	2 APR 1700	42	145.	*	3 APR 1800	67	281.	*	4 APR 1900	92	359.
1 APR 1700	18	233.	*	2 APR 1800	43	148.	*	3 APR 1900	68	286.	*	4 APR 2000	93	360.
1 APR 1800	19	205.	*	2 APR 1900	44	151.	*	3 APR 2000	69	291.	*	4 APR 2100	94	361.
1 APR 1900	20	205.	*	2 APR 2000	45	155.	*	3 APR 2100	70	295.	*	4 APR 2200	95	362.
1 APR 2000	21	205.	*	2 APR 2100	46	160.	*	3 APR 2200	71	300.	*	4 APR 2300	96	363.
1 APR 2100	22	208.	*	2 APR 2200	47	165.	*	3 APR 2300	72	304.	*	5 APR 0000	97	364.
1 APR 2200	23	210.	*	2 APR 2300	48	170.	*	4 APR 0000	73	308.	*	5 APR 0100	98	365.
1 APR 2300	24	211.	*	3 APR 0000	49	176.	*	4 APR 0100	74	312.	*	5 APR 0200	99	366.
2 APR 0000	25	209.	*	3 APR 0100	50	182.	*	4 APR 0200	75	316.	*	5 APR 0300	100	366.

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
+	366.	99.00				
		(CFS)	364.	349.	258.	227.
		(INCHES)	.008	.031	.070	.084
		(AC-FT)	181.	692.	1533.	1859.

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

HYDROGRAPH ROUTING DATA

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

SJR_2yr.out

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
1	APR	0000	1	0.	.00	*	2	APR	1000	35	155.	83.16	*	3	APR	2000	69	198.	106.05
1	APR	0100	2	0.	.00	*	2	APR	1100	36	158.	84.90	*	3	APR	2100	70	202.	108.28
1	APR	0200	3	0.	.01	*	2	APR	1200	37	161.	86.34	*	3	APR	2200	71	206.	110.58
1	APR	0300	4	0.	.03	*	2	APR	1300	38	163.	87.47	*	3	APR	2300	72	211.	112.94
1	APR	0400	5	0.	.10	*	2	APR	1400	39	165.	88.32	*	4	APR	0000	73	215.	115.35
1	APR	0500	6	0.	.22	*	2	APR	1500	40	166.	88.91	*	4	APR	0100	74	220.	117.80
1	APR	0600	7	1.	.43	*	2	APR	1600	41	167.	89.27	*	4	APR	0200	75	224.	120.28
1	APR	0700	8	1.	.74	*	2	APR	1700	42	167.	89.43	*	4	APR	0300	76	229.	122.78
1	APR	0800	9	2.	1.18	*	2	APR	1800	43	167.	89.41	*	4	APR	0400	77	234.	125.30
1	APR	0900	10	3.	1.78	*	2	APR	1900	44	167.	89.26	*	4	APR	0500	78	238.	127.82
1	APR	1000	11	5.	2.58	*	2	APR	2000	45	166.	89.00	*	4	APR	0600	79	243.	130.34
1	APR	1100	12	7.	3.62	*	2	APR	2100	46	165.	88.67	*	4	APR	0700	80	248.	132.86
1	APR	1200	13	9.	4.96	*	2	APR	2200	47	165.	88.30	*	4	APR	0800	81	253.	135.35
1	APR	1300	14	12.	6.64	*	2	APR	2300	48	164.	87.92	*	4	APR	0900	82	257.	137.83
1	APR	1400	15	16.	8.71	*	3	APR	0000	49	163.	87.57	*	4	APR	1000	83	262.	140.29
1	APR	1500	16	21.	11.22	*	3	APR	0100	50	163.	87.26	*	4	APR	1100	84	266.	142.71
1	APR	1600	17	27.	14.21	*	3	APR	0200	51	162.	87.02	*	4	APR	1200	85	271.	145.10
1	APR	1700	18	33.	17.70	*	3	APR	0300	52	162.	86.88	*	4	APR	1300	86	275.	147.45
1	APR	1800	19	40.	21.64	*	3	APR	0400	53	162.	86.86	*	4	APR	1400	87	279.	149.76
1	APR	1900	20	48.	25.93	*	3	APR	0500	54	162.	86.95	*	4	APR	1500	88	284.	152.02
1	APR	2000	21	57.	30.46	*	3	APR	0600	55	163.	87.19	*	4	APR	1600	89	288.	154.23
1	APR	2100	22	66.	35.11	*	3	APR	0700	56	163.	87.58	*	4	APR	1700	90	292.	156.39
1	APR	2200	23	74.	39.81	*	3	APR	0800	57	164.	88.12	*	4	APR	1800	91	296.	158.50
1	APR	2300	24	83.	44.49	*	3	APR	0900	58	166.	88.82	*	4	APR	1900	92	300.	160.55
2	APR	0000	25	92.	49.09	*	3	APR	1000	59	167.	89.69	*	4	APR	2000	93	303.	162.54
2	APR	0100	26	100.	53.58	*	3	APR	1100	60	169.	90.70	*	4	APR	2100	94	307.	164.48
2	APR	0200	27	108.	57.91	*	3	APR	1200	61	171.	91.88	*	4	APR	2200	95	310.	166.36
2	APR	0300	28	116.	62.04	*	3	APR	1300	62	174.	93.20	*	4	APR	2300	96	314.	168.17
2	APR	0400	29	123.	65.94	*	3	APR	1400	63	177.	94.67	*	5	APR	0000	97	317.	169.92
2	APR	0500	30	130.	69.58	*	3	APR	1500	64	180.	96.28	*	5	APR	0100	98	320.	171.61
2	APR	0600	31	136.	72.93	*	3	APR	1600	65	183.	98.02	*	5	APR	0200	99	323.	173.23
2	APR	0700	32	142.	75.97	*	3	APR	1700	66	186.	99.87	*	5	APR	0300	100	326.	174.79
2	APR	0800	33	147.	78.69	*	3	APR	1800	67	190.	101.83	*						
2	APR	0900	34	151.	81.09	*	3	APR	1900	68	194.	103.90	*						

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

SJR_2yr.out

	(CFS)					
+	326.	99.00	317.	282.	208.	160.
	(INCHES)		.007	.025	.056	.059
	(AC-FT)		157.	558.	1236.	1307.

PEAK STORAGE	TIME		MAXIMUM	AVERAGE	STORAGE	
			6-HR	24-HR	72-HR	99.00-HR
+	(AC-FT)	(HR)				
	175.	99.00	170.	151.	111.	86.

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 .20 BASIN TOTAL PRECIPITATION

307 PI INCREMENTAL PRECIPITATION PATTERN

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

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
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266.0 231.0 191.0 160.0 SJR_2yr.out 139.0 121.0 50.0 50.0 50.0 50.0
 50.5 50.5 19.0

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	14.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	26.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	35.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	46.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	58.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	71.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	87.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.01	.00	.01	110.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.01	.00	.01	142.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.02	.00	.02	173.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	191.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.02	.00	.02	207.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.02	.00	.02	255.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.02	.00	.02	285.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.02	.00	.02	287.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.01	.00	.01	256.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	185.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	139.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	114.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	96.	*	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	75.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	66.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	57.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	44.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	33.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	27.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	22.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	18.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	14.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	11.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	9.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	8.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	6.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	5.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	4.	*	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	1.	*	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 = .20, TOTAL LOSS = .00, TOTAL EXCESS = .20

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	287.	16.00	246.	129.	45.	33.
		(INCHES)	.089	.186	.197	.197
		(AC-FT)	122.	256.	270.	270.

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	23.	*	3	APR	0200	51	0.	*	4	APR	0300	76	0.	*
1	APR	0100	2	1.	*	2	APR	0200	27	18.	*	3	APR	0300	52	0.	*	4	APR	0400	77	0.	*
1	APR	0200	3	6.	*	2	APR	0300	28	13.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.	*
1	APR	0300	4	10.	*	2	APR	0400	29	11.	*	3	APR	0500	54	0.	*	4	APR	0600	79	0.	*
1	APR	0400	5	14.	*	2	APR	0500	30	9.	*	3	APR	0600	55	0.	*	4	APR	0700	80	0.	*
1	APR	0500	6	19.	*	2	APR	0600	31	7.	*	3	APR	0700	56	0.	*	4	APR	0800	81	0.	*
1	APR	0600	7	23.	*	2	APR	0700	32	6.	*	3	APR	0800	57	0.	*	4	APR	0900	82	0.	*
1	APR	0700	8	29.	*	2	APR	0800	33	4.	*	3	APR	0900	58	0.	*	4	APR	1000	83	0.	*
1	APR	0800	9	35.	*	2	APR	0900	34	4.	*	3	APR	1000	59	0.	*	4	APR	1100	84	0.	*
1	APR	0900	10	44.	*	2	APR	1000	35	3.	*	3	APR	1100	60	0.	*	4	APR	1200	85	0.	*
1	APR	1000	11	57.	*	2	APR	1100	36	3.	*	3	APR	1200	61	0.	*	4	APR	1300	86	0.	*
1	APR	1100	12	69.	*	2	APR	1200	37	2.	*	3	APR	1300	62	0.	*	4	APR	1400	87	0.	*
1	APR	1200	13	77.	*	2	APR	1300	38	1.	*	3	APR	1400	63	0.	*	4	APR	1500	88	0.	*
1	APR	1300	14	83.	*	2	APR	1400	39	1.	*	3	APR	1500	64	0.	*	4	APR	1600	89	0.	*
1	APR	1400	15	102.	*	2	APR	1500	40	1.	*	3	APR	1600	65	0.	*	4	APR	1700	90	0.	*
1	APR	1500	16	114.	*	2	APR	1600	41	0.	*	3	APR	1700	66	0.	*	4	APR	1800	91	0.	*
1	APR	1600	17	115.	*	2	APR	1700	42	0.	*	3	APR	1800	67	0.	*	4	APR	1900	92	0.	*
1	APR	1700	18	102.	*	2	APR	1800	43	0.	*	3	APR	1900	68	0.	*	4	APR	2000	93	0.	*
1	APR	1800	19	74.	*	2	APR	1900	44	0.	*	3	APR	2000	69	0.	*	4	APR	2100	94	0.	*
1	APR	1900	20	55.	*	2	APR	2000	45	0.	*	3	APR	2100	70	0.	*	4	APR	2200	95	0.	*
1	APR	2000	21	46.	*	2	APR	2100	46	0.	*	3	APR	2200	71	0.	*	4	APR	2300	96	0.	*
1	APR	2100	22	38.	*	2	APR	2200	47	0.	*	3	APR	2300	72	0.	*	5	APR	0000	97	0.	*
1	APR	2200	23	34.	*	2	APR	2300	48	0.	*	4	APR	0000	73	0.	*	5	APR	0100	98	0.	*
1	APR	2300	24	30.	*	3	APR	0000	49	0.	*	4	APR	0100	74	0.	*	5	APR	0200	99	0.	*
2	APR	0000	25	26.	*	3	APR	0100	50	0.	*	4	APR	0200	75	0.	*	5	APR	0300	100	0.	*

PEAK FLOW (CFS)	TIME (HR)	6-HR	24-HR	72-HR	99.00-HR
115.	16.00	99.	52.	18.	13.
	(INCHES)	.036	.074	.079	.079
	(AC-FT)	49.	102.	108.	108.

CUMULATIVE AREA = 25.74 SQ MI

*** **

322 KK 13 SUBAREA 13

NUEVO(60% VALLEY)
COMBINE AT THE D/S OF RAMONA EXPWY PER CDJ

327 IN TIME DATA FOR INPUT TIME SERIES

JXMIN	15	TIME INTERVAL IN MINUTES
JXDATE	1APR92	STARTING DATE
JXTIME	20	STARTING TIME

UHG FROM VALLEY S-GRAPH

SUBBASIN RUNOFF DATA

325 BA SUBBASIN CHARACTERISTICS

TAREA	25.74	SUBBASIN AREA
SNAP	.00	NORMAL ANNUAL PRECIPITATION
RATIO	.60	RATIO OF HYDROGRAPH

PRECIPITATION DATA

326 PB STORM .20 BASIN TOTAL PRECIPITATION

328 PI INCREMENTAL PRECIPITATION PATTERN

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

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					

SJR_2yr.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	2.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	12.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	27.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	38.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	50.	*	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	77.	*	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	.01	.00	.01	116.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.01	.00	.01	150.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.02	.00	.02	186.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	209.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.02	.00	.02	224.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.02	.00	.02	264.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.02	.00	.02	311.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.02	.00	.02	313.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.01	.00	.01	287.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	209.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	138.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	107.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	85.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	71.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	61.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	52.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	42.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	30.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	18.	*	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	8.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	5.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	3.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	2.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	2.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	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.

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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 = .20, TOTAL LOSS = .00, TOTAL EXCESS = .20

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	313.	16.00	268.	133.	45.	33.
		(INCHES)	.097	.193	.197	.197
		(AC-FT)	133.	264.	270.	270.

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	25.	*	3	APR	0200	51	0.	*	4	APR	0300	76	0.	*
1	APR	0100	2	1.	*	2	APR	0200	27	18.	*	3	APR	0300	52	0.	*	4	APR	0400	77	0.	*
1	APR	0200	3	7.	*	2	APR	0300	28	11.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.	*
1	APR	0300	4	16.	*	2	APR	0400	29	7.	*	3	APR	0500	54	0.	*	4	APR	0600	79	0.	*
1	APR	0400	5	23.	*	2	APR	0500	30	5.	*	3	APR	0600	55	0.	*	4	APR	0700	80	0.	*
1	APR	0500	6	30.	*	2	APR	0600	31	3.	*	3	APR	0700	56	0.	*	4	APR	0800	81	0.	*
1	APR	0600	7	38.	*	2	APR	0700	32	2.	*	3	APR	0800	57	0.	*	4	APR	0900	82	0.	*
1	APR	0700	8	46.	*	2	APR	0800	33	1.	*	3	APR	0900	58	0.	*	4	APR	1000	83	0.	*
1	APR	0800	9	56.	*	2	APR	0900	34	1.	*	3	APR	1000	59	0.	*	4	APR	1100	84	0.	*
1	APR	0900	10	70.	*	2	APR	1000	35	1.	*	3	APR	1100	60	0.	*	4	APR	1200	85	0.	*
1	APR	1000	11	90.	*	2	APR	1100	36	0.	*	3	APR	1200	61	0.	*	4	APR	1300	86	0.	*
1	APR	1100	12	112.	*	2	APR	1200	37	0.	*	3	APR	1300	62	0.	*	4	APR	1400	87	0.	*
1	APR	1200	13	126.	*	2	APR	1300	38	0.	*	3	APR	1400	63	0.	*	4	APR	1500	88	0.	*
1	APR	1300	14	135.	*	2	APR	1400	39	0.	*	3	APR	1500	64	0.	*	4	APR	1600	89	0.	*
1	APR	1400	15	159.	*	2	APR	1500	40	0.	*	3	APR	1600	65	0.	*	4	APR	1700	90	0.	*
1	APR	1500	16	186.	*	2	APR	1600	41	0.	*	3	APR	1700	66	0.	*	4	APR	1800	91	0.	*
1	APR	1600	17	188.	*	2	APR	1700	42	0.	*	3	APR	1800	67	0.	*	4	APR	1900	92	0.	*
1	APR	1700	18	172.	*	2	APR	1800	43	0.	*	3	APR	1900	68	0.	*	4	APR	2000	93	0.	*
1	APR	1800	19	125.	*	2	APR	1900	44	0.	*	3	APR	2000	69	0.	*	4	APR	2100	94	0.	*
1	APR	1900	20	83.	*	2	APR	2000	45	0.	*	3	APR	2100	70	0.	*	4	APR	2200	95	0.	*
1	APR	2000	21	64.	*	2	APR	2100	46	0.	*	3	APR	2200	71	0.	*	4	APR	2300	96	0.	*
1	APR	2100	22	51.	*	2	APR	2200	47	0.	*	3	APR	2300	72	0.	*	5	APR	0000	97	0.	*
1	APR	2200	23	43.	*	2	APR	2300	48	0.	*	4	APR	0000	73	0.	*	5	APR	0100	98	0.	*
1	APR	2300	24	37.	*	3	APR	0000	49	0.	*	4	APR	0100	74	0.	*	5	APR	0200	99	0.	*
2	APR	0000	25	31.	*	3	APR	0100	50	0.	*	4	APR	0200	75	0.	*	5	APR	0300	100	0.	*

SJR_2yr.out

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)					
		(CFS)					
+	188.	16.00	161.	80.	27.	20.	
		(INCHES)	.058	.116	.118	.118	
		(AC-FT)	80.	159.	162.	162.	
CUMULATIVE AREA =			25.74 SQ MI				

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342 KK

 *
 * NUEVDS *
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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

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	148.	*	3	APR	0200	51	162.	*	4	APR	0300	76	229.
1	APR	0100	2	2.	*	2	APR	0200	27	144.	*	3	APR	0300	52	162.	*	4	APR	0400	77	234.
1	APR	0200	3	13.	*	2	APR	0300	28	140.	*	3	APR	0400	53	162.	*	4	APR	0500	78	238.
1	APR	0300	4	27.	*	2	APR	0400	29	141.	*	3	APR	0500	54	162.	*	4	APR	0600	79	243.
1	APR	0400	5	37.	*	2	APR	0500	30	143.	*	3	APR	0600	55	163.	*	4	APR	0700	80	248.
1	APR	0500	6	49.	*	2	APR	0600	31	146.	*	3	APR	0700	56	163.	*	4	APR	0800	81	253.
1	APR	0600	7	62.	*	2	APR	0700	32	149.	*	3	APR	0800	57	164.	*	4	APR	0900	82	257.
1	APR	0700	8	76.	*	2	APR	0800	33	153.	*	3	APR	0900	58	166.	*	4	APR	1000	83	262.
1	APR	0800	9	93.	*	2	APR	0900	34	156.	*	3	APR	1000	59	167.	*	4	APR	1100	84	266.
1	APR	0900	10	117.	*	2	APR	1000	35	159.	*	3	APR	1100	60	169.	*	4	APR	1200	85	271.
1	APR	1000	11	151.	*	2	APR	1100	36	161.	*	3	APR	1200	61	171.	*	4	APR	1300	86	275.
1	APR	1100	12	187.	*	2	APR	1200	37	163.	*	3	APR	1300	62	174.	*	4	APR	1400	87	279.
1	APR	1200	13	211.	*	2	APR	1300	38	165.	*	3	APR	1400	63	177.	*	4	APR	1500	88	284.
1	APR	1300	14	230.	*	2	APR	1400	39	166.	*	3	APR	1500	64	180.	*	4	APR	1600	89	288.
1	APR	1400	15	277.	*	2	APR	1500	40	166.	*	3	APR	1600	65	183.	*	4	APR	1700	90	292.
1	APR	1500	16	321.	*	2	APR	1600	41	167.	*	3	APR	1700	66	186.	*	4	APR	1800	91	296.
1	APR	1600	17	329.	*	2	APR	1700	42	167.	*	3	APR	1800	67	190.	*	4	APR	1900	92	300.
1	APR	1700	18	307.	*	2	APR	1800	43	167.	*	3	APR	1900	68	194.	*	4	APR	2000	93	303.
1	APR	1800	19	240.	*	2	APR	1900	44	167.	*	3	APR	2000	69	198.	*	4	APR	2100	94	307.

SJR_2yr.out

1 APR 1900	20	187.	*	2 APR 2000	45	166.	*	3 APR 2100	70	202.	*	4 APR 2200	95	310.
1 APR 2000	21	167.	*	2 APR 2100	46	165.	*	3 APR 2200	71	206.	*	4 APR 2300	96	314.
1 APR 2100	22	155.	*	2 APR 2200	47	165.	*	3 APR 2300	72	211.	*	5 APR 0000	97	317.
1 APR 2200	23	151.	*	2 APR 2300	48	164.	*	4 APR 0000	73	215.	*	5 APR 0100	98	320.
1 APR 2300	24	149.	*	3 APR 0000	49	163.	*	4 APR 0100	74	220.	*	5 APR 0200	99	323.
2 APR 0000	25	149.	*	3 APR 0100	50	163.	*	4 APR 0200	75	224.	*	5 APR 0300	100	326.

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	329.	16.00	317.	282.	209.	193.
		(INCHES)	.006	.023	.050	.064
		(AC-FT)	157.	558.	1243.	1577.

CUMULATIVE AREA = 464.48 SQ MI

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 345 KK * 14 * SUBAREA 14
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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 .19 BASIN TOTAL PRECIPITATION

358 PI INCREMENTAL PRECIPITATION PATTERN
 .00 .01 .01 .02 .02 .03 .03 .04 .05 .07

SJR_2yr.out

.08 .07 .08 .11 .11 .10 .07 .01 .02 .01
.01 .01 .01 .01 .01 .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	1.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	9.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	13.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	18.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	22.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	27.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	31.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	38.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.01	.00	.01	48.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.01	.00	.01	64.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.01	.00	.01	78.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	78.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.01	.00	.01	82.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.02	.00	.02	110.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.02	.00	.02	115.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.02	.00	.02	112.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.01	.00	.01	89.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	41.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	30.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	20.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	16.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	13.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	11.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	10.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	8.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	3.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	1.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	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.

SJr_2yr.out												
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 = .19, TOTAL LOSS = .00, TOTAL EXCESS = .19

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
+	115.	15.00				
		(CFS)	97.	45.	15.	11.
		(INCHES)	.099	.185	.187	.187
		(AC-FT)	48.	89.	90.	90.

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		1	NUMBER OF SUBREACHES					
	NSTPS		ELEV	TYPE OF INITIAL CONDITION					
	ITYP		1670.00	INITIAL CONDITION					
	RSVRIC		.00	WORKING R AND D COEFFICIENT					
	X								
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	

SJR_2yr.out

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.
 THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
 THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

HYDROGRAPH AT STATION PB

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
1	APR	0000	1	0.	.0	1670.0	*	2	APR	1000	35	0.	.0	1670.0	*	3	APR	2000	69	0.	.0	1670.0
1	APR	0100	2	1.	.0	1670.0	*	2	APR	1100	36	0.	.0	1670.0	*	3	APR	2100	70	0.	.0	1670.0
1	APR	0200	3	5.	.2	1670.1	*	2	APR	1200	37	0.	.0	1670.0	*	3	APR	2200	71	0.	.0	1670.0
1	APR	0300	4	10.	.5	1670.1	*	2	APR	1300	38	0.	.0	1670.0	*	3	APR	2300	72	0.	.0	1670.0
1	APR	0400	5	15.	.7	1670.2	*	2	APR	1400	39	0.	.0	1670.0	*	4	APR	0000	73	0.	.0	1670.0
1	APR	0500	6	19.	1.0	1670.2	*	2	APR	1500	40	0.	.0	1670.0	*	4	APR	0100	74	0.	.0	1670.0
1	APR	0600	7	24.	1.2	1670.3	*	2	APR	1600	41	0.	.0	1670.0	*	4	APR	0200	75	0.	.0	1670.0
1	APR	0700	8	29.	1.4	1670.4	*	2	APR	1700	42	0.	.0	1670.0	*	4	APR	0300	76	0.	.0	1670.0
1	APR	0800	9	34.	1.7	1670.4	*	2	APR	1800	43	0.	.0	1670.0	*	4	APR	0400	77	0.	.0	1670.0
1	APR	0900	10	42.	2.1	1670.5	*	2	APR	1900	44	0.	.0	1670.0	*	4	APR	0500	78	0.	.0	1670.0
1	APR	1000	11	55.	2.7	1670.7	*	2	APR	2000	45	0.	.0	1670.0	*	4	APR	0600	79	0.	.0	1670.0
1	APR	1100	12	69.	3.5	1670.9	*	2	APR	2100	46	0.	.0	1670.0	*	4	APR	0700	80	0.	.0	1670.0
1	APR	1200	13	77.	3.9	1671.0	*	2	APR	2200	47	0.	.0	1670.0	*	4	APR	0800	81	0.	.0	1670.0
1	APR	1300	14	80.	4.0	1671.0	*	2	APR	2300	48	0.	.0	1670.0	*	4	APR	0900	82	0.	.0	1670.0
1	APR	1400	15	81.	5.3	1671.3	*	3	APR	0000	49	0.	.0	1670.0	*	4	APR	1000	83	0.	.0	1670.0
1	APR	1500	16	83.	7.8	1671.9	*	3	APR	0100	50	0.	.0	1670.0	*	4	APR	1100	84	0.	.0	1670.0
1	APR	1600	17	85.	10.2	1672.5	*	3	APR	0200	51	0.	.0	1670.0	*	4	APR	1200	85	0.	.0	1670.0
1	APR	1700	18	86.	11.4	1672.8	*	3	APR	0300	52	0.	.0	1670.0	*	4	APR	1300	86	0.	.0	1670.0
1	APR	1800	19	85.	9.7	1672.4	*	3	APR	0400	53	0.	.0	1670.0	*	4	APR	1400	87	0.	.0	1670.0
1	APR	1900	20	81.	5.8	1671.4	*	3	APR	0500	54	0.	.0	1670.0	*	4	APR	1500	88	0.	.0	1670.0
1	APR	2000	21	49.	2.5	1670.6	*	3	APR	0600	55	0.	.0	1670.0	*	4	APR	1600	89	0.	.0	1670.0
1	APR	2100	22	21.	1.1	1670.3	*	3	APR	0700	56	0.	.0	1670.0	*	4	APR	1700	90	0.	.0	1670.0
1	APR	2200	23	15.	.8	1670.2	*	3	APR	0800	57	0.	.0	1670.0	*	4	APR	1800	91	0.	.0	1670.0
1	APR	2300	24	13.	.6	1670.2	*	3	APR	0900	58	0.	.0	1670.0	*	4	APR	1900	92	0.	.0	1670.0
2	APR	0000	25	11.	.5	1670.1	*	3	APR	1000	59	0.	.0	1670.0	*	4	APR	2000	93	0.	.0	1670.0
2	APR	0100	26	9.	.5	1670.1	*	3	APR	1100	60	0.	.0	1670.0	*	4	APR	2100	94	0.	.0	1670.0
2	APR	0200	27	6.	.3	1670.1	*	3	APR	1200	61	0.	.0	1670.0	*	4	APR	2200	95	0.	.0	1670.0
2	APR	0300	28	2.	.1	1670.0	*	3	APR	1300	62	0.	.0	1670.0	*	4	APR	2300	96	0.	.0	1670.0
2	APR	0400	29	1.	.1	1670.0	*	3	APR	1400	63	0.	.0	1670.0	*	5	APR	0000	97	0.	.0	1670.0
2	APR	0500	30	0.	.0	1670.0	*	3	APR	1500	64	0.	.0	1670.0	*	5	APR	0100	98	0.	.0	1670.0
2	APR	0600	31	0.	.0	1670.0	*	3	APR	1600	65	0.	.0	1670.0	*	5	APR	0200	99	0.	.0	1670.0
2	APR	0700	32	0.	.0	1670.0	*	3	APR	1700	66	0.	.0	1670.0	*	5	APR	0300	100	0.	.0	1670.0

SJR_2yr.out

2 APR 0800	33	0.	.0	1670.0	*	3 APR 1800	67	0.	.0	1670.0	*
2 APR 0900	34	0.	.0	1670.0	*	3 APR 1900	68	0.	.0	1670.0	*

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)					
+	86.	17.00		(CFS)	83.	45.	15.
				(INCHES)	.086	.185	.187
				(AC-FT)	41.	89.	90.

PEAK STORAGE	TIME		6-HR	MAXIMUM AVERAGE STORAGE	24-HR	72-HR	99.00-HR
+	(AC-FT)	(HR)					
	11.	17.00	8.	3.	1.	1.	

PEAK STAGE	TIME		6-HR	MAXIMUM AVERAGE STAGE	24-HR	72-HR	99.00-HR
+	(FEET)	(HR)					
	1672.85	17.00	1672.05	1670.82	1670.28	1670.20	

CUMULATIVE AREA = 9.03 SQ MI

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

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

SUBBASIN RUNOFF DATA

375 BA SUBBASIN CHARACTERISTICS
 TAREA 1.17 SUBBASIN AREA

PRECIPITATION DATA

376 PB STORM .19 BASIN TOTAL PRECIPITATION

378 PI INCREMENTAL PRECIPITATION PATTERN

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

383 LU UNIFORM LOSS RATE
 STRTL .00 INITIAL LOSS
 CNSTL .00 UNIFORM LOSS RATE
 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	2.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	2.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	3.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	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.
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	.01	.00	.01	7.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.01	.00	.01	9.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.01	.00	.01	11.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	10.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.01	.00	.01	11.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.02	.00	.02	16.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.02	.00	.02	16.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.02	.00	.02	15.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.01	.00	.01	10.	*	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	.00	.00	.00	3.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	2.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	2.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	2.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	1.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	1.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	1.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	0.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	0.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	0.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	0.	*	4	APR	0700	80	.00	.00	.00	0.
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.

SJRW2yr.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 = .19, TOTAL LOSS = .00, TOTAL EXCESS = .19

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	16.	14.00	13.	6.	2.	1.
		(INCHES)	.103	.187	.188	.188
		(AC-FT)	6.	12.	12.	12.
CUMULATIVE AREA =			1.17 SQ MI			

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

388 HC HYDROGRAPH COMBINATION
 ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION IA
 SUM OF 2 HYDROGRAPHS

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	10.	*	3	APR	0200	51	0.	*	4	APR	0300	76	0.	*
1	APR	0100	2	1.	*	2	APR	0200	27	6.	*	3	APR	0300	52	0.	*	4	APR	0400	77	0.	*
1	APR	0200	3	6.	*	2	APR	0300	28	2.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.	*

SJR_2yr.out																						
1	APR	0300	4	12.	*	2	APR	0400	29	1.	*	3	APR	0500	54	0.	*	4	APR	0600	79	0.
1	APR	0400	5	17.	*	2	APR	0500	30	0.	*	3	APR	0600	55	0.	*	4	APR	0700	80	0.
1	APR	0500	6	22.	*	2	APR	0600	31	0.	*	3	APR	0700	56	0.	*	4	APR	0800	81	0.
1	APR	0600	7	28.	*	2	APR	0700	32	0.	*	3	APR	0800	57	0.	*	4	APR	0900	82	0.
1	APR	0700	8	33.	*	2	APR	0800	33	0.	*	3	APR	0900	58	0.	*	4	APR	1000	83	0.
1	APR	0800	9	40.	*	2	APR	0900	34	0.	*	3	APR	1000	59	0.	*	4	APR	1100	84	0.
1	APR	0900	10	49.	*	2	APR	1000	35	0.	*	3	APR	1100	60	0.	*	4	APR	1200	85	0.
1	APR	1000	11	64.	*	2	APR	1100	36	0.	*	3	APR	1200	61	0.	*	4	APR	1300	86	0.
1	APR	1100	12	80.	*	2	APR	1200	37	0.	*	3	APR	1300	62	0.	*	4	APR	1400	87	0.
1	APR	1200	13	87.	*	2	APR	1300	38	0.	*	3	APR	1400	63	0.	*	4	APR	1500	88	0.
1	APR	1300	14	91.	*	2	APR	1400	39	0.	*	3	APR	1500	64	0.	*	4	APR	1600	89	0.
1	APR	1400	15	97.	*	2	APR	1500	40	0.	*	3	APR	1600	65	0.	*	4	APR	1700	90	0.
1	APR	1500	16	99.	*	2	APR	1600	41	0.	*	3	APR	1700	66	0.	*	4	APR	1800	91	0.
1	APR	1600	17	100.	*	2	APR	1700	42	0.	*	3	APR	1800	67	0.	*	4	APR	1900	92	0.
1	APR	1700	18	97.	*	2	APR	1800	43	0.	*	3	APR	1900	68	0.	*	4	APR	2000	93	0.
1	APR	1800	19	87.	*	2	APR	1900	44	0.	*	3	APR	2000	69	0.	*	4	APR	2100	94	0.
1	APR	1900	20	84.	*	2	APR	2000	45	0.	*	3	APR	2100	70	0.	*	4	APR	2200	95	0.
1	APR	2000	21	51.	*	2	APR	2100	46	0.	*	3	APR	2200	71	0.	*	4	APR	2300	96	0.
1	APR	2100	22	23.	*	2	APR	2200	47	0.	*	3	APR	2300	72	0.	*	5	APR	0000	97	0.
1	APR	2200	23	17.	*	2	APR	2300	48	0.	*	4	APR	0000	73	0.	*	5	APR	0100	98	0.
1	APR	2300	24	14.	*	3	APR	0000	49	0.	*	4	APR	0100	74	0.	*	5	APR	0200	99	0.
2	APR	0000	25	12.	*	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)					
		(CFS)					
+	100.	16.00	95.	51.	17.	12.	
		(INCHES)	.087	.185	.187	.187	
		(AC-FT)	47.	101.	102.	102.	
CUMULATIVE AREA =			10.20 SQ MI				

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 389 KK IB *
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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
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		11.9	12.1	SJR_2yr.out							
394 SE	ELEVATION	1635.50 1645.00	1636.00 1646.00	1637.00	1638.00	1639.00	1640.00	1641.00	1642.00	1643.00	1644.00
396 SQ	DISCHARGE	0. 205.	15. 220.	23.	56.	88.	117.	137.	155.	173.	189.

COMPUTED STORAGE-ELEVATION DATA

STORAGE	.00	.09	1.93	7.94	17.82	28.82	40.02	51.42	62.97	74.62
ELEVATION	1635.50	1636.00	1637.00	1638.00	1639.00	1640.00	1641.00	1642.00	1643.00	1644.00
STORAGE	86.42	98.42								
ELEVATION	1645.00	1646.00								

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

HYDROGRAPH AT STATION IB

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
1	APR	0000	1	0.	.0	1635.5	*	2	APR	1000	35	0.	.0	1635.5	*	3	APR	2000	69	0.	.0	1635.5
1	APR	0100	2	1.	.0	1635.5	*	2	APR	1100	36	0.	.0	1635.5	*	3	APR	2100	70	0.	.0	1635.5
1	APR	0200	3	6.	.0	1635.7	*	2	APR	1200	37	0.	.0	1635.5	*	3	APR	2200	71	0.	.0	1635.5
1	APR	0300	4	12.	.1	1635.9	*	2	APR	1300	38	0.	.0	1635.5	*	3	APR	2300	72	0.	.0	1635.5
1	APR	0400	5	15.	.2	1636.0	*	2	APR	1400	39	0.	.0	1635.5	*	4	APR	0000	73	0.	.0	1635.5
1	APR	0500	6	17.	.5	1636.2	*	2	APR	1500	40	0.	.0	1635.5	*	4	APR	0100	74	0.	.0	1635.5
1	APR	0600	7	19.	1.1	1636.5	*	2	APR	1600	41	0.	.0	1635.5	*	4	APR	0200	75	0.	.0	1635.5
1	APR	0700	8	23.	1.8	1637.0	*	2	APR	1700	42	0.	.0	1635.5	*	4	APR	0300	76	0.	.0	1635.5
1	APR	0800	9	28.	2.8	1637.1	*	2	APR	1800	43	0.	.0	1635.5	*	4	APR	0400	77	0.	.0	1635.5
1	APR	0900	10	34.	3.9	1637.3	*	2	APR	1900	44	0.	.0	1635.5	*	4	APR	0500	78	0.	.0	1635.5
1	APR	1000	11	42.	5.4	1637.6	*	2	APR	2000	45	0.	.0	1635.5	*	4	APR	0600	79	0.	.0	1635.5
1	APR	1100	12	53.	7.4	1637.9	*	2	APR	2100	46	0.	.0	1635.5	*	4	APR	0700	80	0.	.0	1635.5
1	APR	1200	13	61.	9.6	1638.2	*	2	APR	2200	47	0.	.0	1635.5	*	4	APR	0800	81	0.	.0	1635.5
1	APR	1300	14	68.	11.6	1638.4	*	2	APR	2300	48	0.	.0	1635.5	*	4	APR	0900	82	0.	.0	1635.5
1	APR	1400	15	74.	13.5	1638.6	*	3	APR	0000	49	0.	.0	1635.5	*	4	APR	1000	83	0.	.0	1635.5
1	APR	1500	16	80.	15.2	1638.7	*	3	APR	0100	50	0.	.0	1635.5	*	4	APR	1100	84	0.	.0	1635.5
1	APR	1600	17	84.	16.7	1638.9	*	3	APR	0200	51	0.	.0	1635.5	*	4	APR	1200	85	0.	.0	1635.5
1	APR	1700	18	88.	17.7	1639.0	*	3	APR	0300	52	0.	.0	1635.5	*	4	APR	1300	86	0.	.0	1635.5
1	APR	1800	19	88.	18.0	1639.0	*	3	APR	0400	53	0.	.0	1635.5	*	4	APR	1400	87	0.	.0	1635.5
1	APR	1900	20	88.	17.8	1639.0	*	3	APR	0500	54	0.	.0	1635.5	*	4	APR	1500	88	0.	.0	1635.5
1	APR	2000	21	83.	16.3	1638.8	*	3	APR	0600	55	0.	.0	1635.5	*	4	APR	1600	89	0.	.0	1635.5
1	APR	2100	22	72.	12.9	1638.5	*	3	APR	0700	56	0.	.0	1635.5	*	4	APR	1700	90	0.	.0	1635.5
1	APR	2200	23	60.	9.1	1638.1	*	3	APR	0800	57	0.	.0	1635.5	*	4	APR	1800	91	0.	.0	1635.5
1	APR	2300	24	45.	6.0	1637.7	*	3	APR	0900	58	0.	.0	1635.5	*	4	APR	1900	92	0.	.0	1635.5
2	APR	0000	25	33.	3.8	1637.3	*	3	APR	1000	59	0.	.0	1635.5	*	4	APR	2000	93	0.	.0	1635.5
2	APR	0100	26	25.	2.3	1637.1	*	3	APR	1100	60	0.	.0	1635.5	*	4	APR	2100	94	0.	.0	1635.5
2	APR	0200	27	20.	1.2	1636.6	*	3	APR	1200	61	0.	.0	1635.5	*	4	APR	2200	95	0.	.0	1635.5

SJR_2yr.out																
2 APR 0300	28	15.	.1	1636.0	*	3 APR 1300	62	0.	.0	1635.5	*	4 APR 2300	96	0.	.0	1635.5
2 APR 0400	29	0.	.0	1635.5	*	3 APR 1400	63	0.	.0	1635.5	*	5 APR 0000	97	0.	.0	1635.5
2 APR 0500	30	1.	.0	1635.5	*	3 APR 1500	64	0.	.0	1635.5	*	5 APR 0100	98	0.	.0	1635.5
2 APR 0600	31	0.	.0	1635.5	*	3 APR 1600	65	0.	.0	1635.5	*	5 APR 0200	99	0.	.0	1635.5
2 APR 0700	32	0.	.0	1635.5	*	3 APR 1700	66	0.	.0	1635.5	*	5 APR 0300	100	0.	.0	1635.5
2 APR 0800	33	0.	.0	1635.5	*	3 APR 1800	67	0.	.0	1635.5	*					
2 APR 0900	34	0.	.0	1635.5	*	3 APR 1900	68	0.	.0	1635.5	*					

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	88.	18.00	85.	51.	17.	12.
		(INCHES)	.077	.184	.188	.188
		(AC-FT)	42.	100.	102.	102.

PEAK STORAGE	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(AC-FT)	(HR)				
	18.	18.00	17.	8.	3.	2.

PEAK STAGE	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(FEET)	(HR)				
	1639.02	18.00	1638.89	1637.73	1636.25	1636.05

CUMULATIVE AREA = 10.20 SQ MI

*** **

 *
 398 KK * LA *
 *

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 .20 BASIN TOTAL PRECIPITATION

SJR_2yr.out

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

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

SJRW_2yr.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 = .20, TOTAL LOSS = .00, TOTAL EXCESS = .20

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	10.	14.00	8.	4.	1.	1.
		(INCHES)	.111	.201	.202	.202
		(AC-FT)	4.	7.	7.	7.
		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.	SJR_2yr.out 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

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	1.	.1	1734.1	*	2	APR	1300	38	0.	.0	1734.0	*	3	APR	2300	72	0.	.0	1734.0	*
1	APR	0400	5	1.	.1	1734.1	*	2	APR	1400	39	0.	.0	1734.0	*	4	APR	0000	73	0.	.0	1734.0	*
1	APR	0500	6	2.	.1	1734.2	*	2	APR	1500	40	0.	.0	1734.0	*	4	APR	0100	74	0.	.0	1734.0	*
1	APR	0600	7	2.	.1	1734.2	*	2	APR	1600	41	0.	.0	1734.0	*	4	APR	0200	75	0.	.0	1734.0	*
1	APR	0700	8	3.	.1	1734.3	*	2	APR	1700	42	0.	.0	1734.0	*	4	APR	0300	76	0.	.0	1734.0	*
1	APR	0800	9	3.	.2	1734.3	*	2	APR	1800	43	0.	.0	1734.0	*	4	APR	0400	77	0.	.0	1734.0	*
1	APR	0900	10	4.	.2	1734.4	*	2	APR	1900	44	0.	.0	1734.0	*	4	APR	0500	78	0.	.0	1734.0	*
1	APR	1000	11	5.	.3	1734.5	*	2	APR	2000	45	0.	.0	1734.0	*	4	APR	0600	79	0.	.0	1734.0	*
1	APR	1100	12	6.	.3	1734.6	*	2	APR	2100	46	0.	.0	1734.0	*	4	APR	0700	80	0.	.0	1734.0	*
1	APR	1200	13	7.	.3	1734.7	*	2	APR	2200	47	0.	.0	1734.0	*	4	APR	0800	81	0.	.0	1734.0	*
1	APR	1300	14	7.	.3	1734.7	*	2	APR	2300	48	0.	.0	1734.0	*	4	APR	0900	82	0.	.0	1734.0	*
1	APR	1400	15	8.	.4	1734.8	*	3	APR	0000	49	0.	.0	1734.0	*	4	APR	1000	83	0.	.0	1734.0	*
1	APR	1500	16	10.	.5	1735.0	*	3	APR	0100	50	0.	.0	1734.0	*	4	APR	1100	84	0.	.0	1734.0	*
1	APR	1600	17	10.	.5	1735.0	*	3	APR	0200	51	0.	.0	1734.0	*	4	APR	1200	85	0.	.0	1734.0	*
1	APR	1700	18	8.	.4	1734.8	*	3	APR	0300	52	0.	.0	1734.0	*	4	APR	1300	86	0.	.0	1734.0	*
1	APR	1800	19	4.	.2	1734.4	*	3	APR	0400	53	0.	.0	1734.0	*	4	APR	1400	87	0.	.0	1734.0	*
1	APR	1900	20	2.	.1	1734.2	*	3	APR	0500	54	0.	.0	1734.0	*	4	APR	1500	88	0.	.0	1734.0	*
1	APR	2000	21	1.	.1	1734.1	*	3	APR	0600	55	0.	.0	1734.0	*	4	APR	1600	89	0.	.0	1734.0	*
1	APR	2100	22	1.	.1	1734.1	*	3	APR	0700	56	0.	.0	1734.0	*	4	APR	1700	90	0.	.0	1734.0	*
1	APR	2200	23	1.	.1	1734.1	*	3	APR	0800	57	0.	.0	1734.0	*	4	APR	1800	91	0.	.0	1734.0	*
1	APR	2300	24	1.	.0	1734.1	*	3	APR	0900	58	0.	.0	1734.0	*	4	APR	1900	92	0.	.0	1734.0	*
2	APR	0000	25	1.	.0	1734.1	*	3	APR	1000	59	0.	.0	1734.0	*	4	APR	2000	93	0.	.0	1734.0	*
2	APR	0100	26	1.	.0	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	*

SJr_2yr.out

2 APR 0800	33	0.	.0	1734.0	*	3 APR 1800	67	0.	.0	1734.0	*
2 APR 0900	34	0.	.0	1734.0	*	3 APR 1900	68	0.	.0	1734.0	*

PEAK FLOW		TIME	MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
+	10.	15.00	8.	4.	1.	1.
		(INCHES)	.109	.201	.202	.202
		(AC-FT)	4.	7.	7.	7.

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

PEAK STAGE		TIME	MAXIMUM AVERAGE STAGE			
			6-HR	24-HR	72-HR	99.00-HR
+	(FEET)	(HR)				
	1734.98	15.00	1734.81	1734.37	1734.13	1734.09

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 .21 BASIN TOTAL PRECIPITATION

423 PI INCREMENTAL PRECIPITATION PATTERN

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

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

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	5.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	7.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	10.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	12.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	15.	*	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	27.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.01	.00	.01	35.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.02	.00	.02	43.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.02	.00	.02	43.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.02	.00	.02	45.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.02	.00	.02	60.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.02	.00	.02	64.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.02	.00	.02	61.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.02	.00	.02	48.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	21.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	13.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	9.	*	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	7.	*	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	4.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	1.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	0.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	0.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	0.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	0.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	0.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	0.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	0.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	0.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	0.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	0.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	0.	*	4	APR	1500	88	.00	.00	.00	0.

SJRW2yr.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 = .21, TOTAL LOSS = .00, TOTAL EXCESS = .21

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	64.	15.00	53.	24.	8.	6.
		(INCHES)	.114	.210	.212	.212
		(AC-FT)	26.	49.	49.	49.
CUMULATIVE AREA =			4.33 SQ MI			

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 431 KK * NB *
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NASON BASIN ROUTING

HYDROGRAPH ROUTING DATA

433 RS	STORAGE ROUTING		1	NUMBER OF SUBREACHES								
	NSTPS		ELEV	TYPE OF INITIAL CONDITION								
	ITYP		58.00	INITIAL CONDITION								
	RSVRIC		.00	WORKING R AND D COEFFICIENT								
	X											
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_2yr.out

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	2.04	4.34	5.10	10.11	18.46	21.80	29.54	46.31	47.60
OUTFLOW	.00	7.60	29.80	41.60	65.20	113.00	137.00	173.00	239.00	241.82
ELEVATION	58.00	58.80	59.70	60.00	60.60	61.60	62.00	62.60	63.90	64.00
STORAGE	63.07	78.54	94.01	109.48	124.95	140.42	171.36	202.30	233.24	264.18
OUTFLOW	270.00	296.40	320.70	342.00	363.00	382.70	419.20	452.80	484.00	513.40
ELEVATION	65.00	66.00	67.00	68.00	69.00	70.00	72.00	74.00	76.00	78.00
STORAGE	295.12	326.06	357.00							
OUTFLOW	541.20	567.60	592.80							
ELEVATION	80.00	82.00	84.00							

HYDROGRAPH AT STATION NB

* DA MON HRMN ORD OUTFLOW STORAGE STAGE						* DA MON HRMN ORD OUTFLOW STORAGE STAGE						* DA MON HRMN ORD OUTFLOW STORAGE STAGE					
1 APR 0000	1	0.	.0	58.0	*	2 APR 1000	35	1.	.1	58.1	*	3 APR 2000	69	0.	.0	58.0	
1 APR 0100	2	0.	.0	58.0	*	2 APR 1100	36	0.	.1	58.0	*	3 APR 2100	70	0.	.0	58.0	
1 APR 0200	3	1.	.2	58.1	*	2 APR 1200	37	0.	.1	58.0	*	3 APR 2200	71	0.	.0	58.0	
1 APR 0300	4	2.	.6	58.2	*	2 APR 1300	38	0.	.1	58.0	*	3 APR 2300	72	0.	.0	58.0	
1 APR 0400	5	4.	1.1	58.4	*	2 APR 1400	39	0.	.0	58.0	*	4 APR 0000	73	0.	.0	58.0	
1 APR 0500	6	6.	1.6	58.6	*	2 APR 1500	40	0.	.0	58.0	*	4 APR 0100	74	0.	.0	58.0	
1 APR 0600	7	8.	2.1	58.8	*	2 APR 1600	41	0.	.0	58.0	*	4 APR 0200	75	0.	.0	58.0	
1 APR 0700	8	13.	2.6	59.0	*	2 APR 1700	42	0.	.0	58.0	*	4 APR 0300	76	0.	.0	58.0	
1 APR 0800	9	17.	3.0	59.2	*	2 APR 1800	43	0.	.0	58.0	*	4 APR 0400	77	0.	.0	58.0	
1 APR 0900	10	21.	3.4	59.3	*	2 APR 1900	44	0.	.0	58.0	*	4 APR 0500	78	0.	.0	58.0	
1 APR 1000	11	27.	4.0	59.6	*	2 APR 2000	45	0.	.0	58.0	*	4 APR 0600	79	0.	.0	58.0	
1 APR 1100	12	35.	4.7	59.8	*	2 APR 2100	46	0.	.0	58.0	*	4 APR 0700	80	0.	.0	58.0	
1 APR 1200	13	42.	5.1	60.0	*	2 APR 2200	47	0.	.0	58.0	*	4 APR 0800	81	0.	.0	58.0	
1 APR 1300	14	42.	5.3	60.0	*	2 APR 2300	48	0.	.0	58.0	*	4 APR 0900	82	0.	.0	58.0	
1 APR 1400	15	46.	6.0	60.1	*	3 APR 0000	49	0.	.0	58.0	*	4 APR 1000	83	0.	.0	58.0	
1 APR 1500	16	51.	7.1	60.2	*	3 APR 0100	50	0.	.0	58.0	*	4 APR 1100	84	0.	.0	58.0	
1 APR 1600	17	55.	7.9	60.3	*	3 APR 0200	51	0.	.0	58.0	*	4 APR 1200	85	0.	.0	58.0	
1 APR 1700	18	55.	7.9	60.3	*	3 APR 0300	52	0.	.0	58.0	*	4 APR 1300	86	0.	.0	58.0	
1 APR 1800	19	48.	6.5	60.2	*	3 APR 0400	53	0.	.0	58.0	*	4 APR 1400	87	0.	.0	58.0	
1 APR 1900	20	33.	4.6	59.8	*	3 APR 0500	54	0.	.0	58.0	*	4 APR 1500	88	0.	.0	58.0	
1 APR 2000	21	20.	3.3	59.3	*	3 APR 0600	55	0.	.0	58.0	*	4 APR 1600	89	0.	.0	58.0	
1 APR 2100	22	13.	2.6	59.0	*	3 APR 0700	56	0.	.0	58.0	*	4 APR 1700	90	0.	.0	58.0	
1 APR 2200	23	10.	2.3	58.9	*	3 APR 0800	57	0.	.0	58.0	*	4 APR 1800	91	0.	.0	58.0	
1 APR 2300	24	8.	2.1	58.8	*	3 APR 0900	58	0.	.0	58.0	*	4 APR 1900	92	0.	.0	58.0	
2 APR 0000	25	7.	1.9	58.8	*	3 APR 1000	59	0.	.0	58.0	*	4 APR 2000	93	0.	.0	58.0	
2 APR 0100	26	7.	1.8	58.7	*	3 APR 1100	60	0.	.0	58.0	*	4 APR 2100	94	0.	.0	58.0	
2 APR 0200	27	6.	1.5	58.6	*	3 APR 1200	61	0.	.0	58.0	*	4 APR 2200	95	0.	.0	58.0	
2 APR 0300	28	4.	1.2	58.5	*	3 APR 1300	62	0.	.0	58.0	*	4 APR 2300	96	0.	.0	58.0	
2 APR 0400	29	3.	.9	58.3	*	3 APR 1400	63	0.	.0	58.0	*	5 APR 0000	97	0.	.0	58.0	
2 APR 0500	30	2.	.6	58.3	*	3 APR 1500	64	0.	.0	58.0	*	5 APR 0100	98	0.	.0	58.0	
2 APR 0600	31	2.	.5	58.2	*	3 APR 1600	65	0.	.0	58.0	*	5 APR 0200	99	0.	.0	58.0	
2 APR 0700	32	1.	.3	58.1	*	3 APR 1700	66	0.	.0	58.0	*	5 APR 0300	100	0.	.0	58.0	

SJR_2yr.out

2 APR 0800	33	1.	.3	58.1 *	3 APR 1800	67	0.	.0	58.0 *
2 APR 0900	34	1.	.2	58.1 *	3 APR 1900	68	0.	.0	58.0 *

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	99.00-HR	
+	(CFS)	(HR)						
+	55.	17.00		(CFS)	49.	24.	8.	6.
				(INCHES)	.105	.206	.212	.212
				(AC-FT)	24.	48.	49.	49.

PEAK STORAGE	TIME		6-HR	MAXIMUM AVERAGE STORAGE	24-HR	72-HR	99.00-HR
+	(AC-FT)	(HR)					
	8.	17.00	7.	4.	1.	1.	

PEAK STAGE	TIME		6-HR	MAXIMUM AVERAGE STAGE	24-HR	72-HR	99.00-HR
+	(FEET)	(HR)					
	60.34	17.00	60.19	59.34	58.47	58.34	

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 .21 BASIN TOTAL PRECIPITATION

445 PI INCREMENTAL PRECIPITATION PATTERN
 .00 .01 .01 .02 .02 .03 .03 .04 .05 .07

SJR_2yr.out

.08 .07 .08 .11 .11 .10 .07 .01 .02 .01
.01 .01 .01 .01 .01 .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	5.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	7.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	10.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	12.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	15.	*	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	27.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.01	.00	.01	35.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.02	.00	.02	43.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.02	.00	.02	43.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.02	.00	.02	45.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.02	.00	.02	61.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.02	.00	.02	64.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.02	.00	.02	61.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.02	.00	.02	48.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	20.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	13.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	9.	*	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	7.	*	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	4.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	1.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	0.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	0.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	0.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	0.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	0.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	0.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	0.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	0.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	0.	*	4	APR	1300	86	.00	.00	.00	0.

CUMULATIVE AREA = 4.34 SQ MI

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SJRW2yr.out														
1 APR 0100	2	2.	*	2 APR 0200	27	27.	*	3 APR 0300	52	0.	*	4 APR 0400	77	0.
1 APR 0200	3	13.	*	2 APR 0300	28	19.	*	3 APR 0400	53	0.	*	4 APR 0500	78	0.
1 APR 0300	4	23.	*	2 APR 0400	29	3.	*	3 APR 0500	54	0.	*	4 APR 0600	79	0.
1 APR 0400	5	31.	*	2 APR 0500	30	4.	*	3 APR 0600	55	0.	*	4 APR 0700	80	0.
1 APR 0500	6	36.	*	2 APR 0600	31	2.	*	3 APR 0700	56	0.	*	4 APR 0800	81	0.
1 APR 0600	7	45.	*	2 APR 0700	32	1.	*	3 APR 0800	57	0.	*	4 APR 0900	82	0.
1 APR 0700	8	55.	*	2 APR 0800	33	1.	*	3 APR 0900	58	0.	*	4 APR 1000	83	0.
1 APR 0800	9	69.	*	2 APR 0900	34	1.	*	3 APR 1000	59	0.	*	4 APR 1100	84	0.
1 APR 0900	10	85.	*	2 APR 1000	35	1.	*	3 APR 1100	60	0.	*	4 APR 1200	85	0.
1 APR 1000	11	109.	*	2 APR 1100	36	0.	*	3 APR 1200	61	0.	*	4 APR 1300	86	0.
1 APR 1100	12	139.	*	2 APR 1200	37	0.	*	3 APR 1300	62	0.	*	4 APR 1400	87	0.
1 APR 1200	13	153.	*	2 APR 1300	38	0.	*	3 APR 1400	63	0.	*	4 APR 1500	88	0.
1 APR 1300	14	162.	*	2 APR 1400	39	0.	*	3 APR 1500	64	0.	*	4 APR 1600	89	0.
1 APR 1400	15	189.	*	2 APR 1500	40	0.	*	3 APR 1600	65	0.	*	4 APR 1700	90	0.
1 APR 1500	16	204.	*	2 APR 1600	41	0.	*	3 APR 1700	66	0.	*	4 APR 1800	91	0.
1 APR 1600	17	210.	*	2 APR 1700	42	0.	*	3 APR 1800	67	0.	*	4 APR 1900	92	0.
1 APR 1700	18	198.	*	2 APR 1800	43	0.	*	3 APR 1900	68	0.	*	4 APR 2000	93	0.
1 APR 1800	19	161.	*	2 APR 1900	44	0.	*	3 APR 2000	69	0.	*	4 APR 2100	94	0.
1 APR 1900	20	136.	*	2 APR 2000	45	0.	*	3 APR 2100	70	0.	*	4 APR 2200	95	0.
1 APR 2000	21	113.	*	2 APR 2100	46	0.	*	3 APR 2200	71	0.	*	4 APR 2300	96	0.
1 APR 2100	22	94.	*	2 APR 2200	47	0.	*	3 APR 2300	72	0.	*	5 APR 0000	97	0.
1 APR 2200	23	77.	*	2 APR 2300	48	0.	*	4 APR 0000	73	0.	*	5 APR 0100	98	0.
1 APR 2300	24	60.	*	3 APR 0000	49	0.	*	4 APR 0100	74	0.	*	5 APR 0200	99	0.
2 APR 0000	25	47.	*	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
+	210.	16.00	187. 102. 35. 25.
		(INCHES)	.089 .195 .199 .199
		(AC-FT)	93. 203. 207. 207.

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 .18 BASIN TOTAL PRECIPITATION

463 PI INCREMENTAL PRECIPITATION PATTERN

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

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

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	34.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	67.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	92.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	119.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.00	.00	.00	151.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	181.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	218.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.01	.00	.01	272.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.01	.00	.01	351.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.01	.00	.01	443.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	485.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.01	.00	.01	504.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.02	.00	.02	613.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.02	.00	.02	708.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.02	.00	.02	717.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.01	.00	.01	643.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	432.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	269.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	207.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	161.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	131.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	110.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	93.	*	4	APR	0200	75	.00	.00	.00	0.

SJRR_2yr.out												
2 APR 0100	26	.00	.00	.00	75.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	46.	*	4 APR 0400	77	.00	.00	.00	0.
2 APR 0300	28	.00	.00	.00	21.	*	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	8.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	5.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	3.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	2.	*	4 APR 1000	83	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	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 = .18, TOTAL LOSS = .00, TOTAL EXCESS = .18

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	717.	16.00	607.	295.	100.	73.
		(INCHES)	.090	.174	.177	.177
		(AC-FT)	301.	585.	593.	593.

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

SJR_2yr.out
 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 .19 BASIN TOTAL PRECIPITATION

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

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	0.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	3.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	5.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	6.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	8.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	9.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	11.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	13.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.01	.00	.01	17.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.01	.00	.01	22.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.01	.00	.01	27.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	27.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.01	.00	.01	28.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.02	.00	.02	38.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.02	.00	.02	39.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.02	.00	.02	38.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.01	.00	.01	29.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	11.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	8.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	5.	*	3	APR	2200	71	.00	.00	.00	0.

SJRW_2yr.out												
1 APR 2100	22	.00	.00	.00	5.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.00	.00	.00	4.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.00	.00	.00	4.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.00	.00	.00	3.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	3.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	1.	*	4 APR 0400	77	.00	.00	.00	0.
2 APR 0300	28	.00	.00	.00	0.	*	4 APR 0500	78	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	0.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	0.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	0.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	0.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	0.	*	4 APR 1000	83	.00	.00	.00	0.
2 APR 0900	34	.00	.00	.00	0.	*	4 APR 1100	84	.00	.00	.00	0.
2 APR 1000	35	.00	.00	.00	0.	*	4 APR 1200	85	.00	.00	.00	0.
2 APR 1100	36	.00	.00	.00	0.	*	4 APR 1300	86	.00	.00	.00	0.
2 APR 1200	37	.00	.00	.00	0.	*	4 APR 1400	87	.00	.00	.00	0.
2 APR 1300	38	.00	.00	.00	0.	*	4 APR 1500	88	.00	.00	.00	0.
2 APR 1400	39	.00	.00	.00	0.	*	4 APR 1600	89	.00	.00	.00	0.
2 APR 1500	40	.00	.00	.00	0.	*	4 APR 1700	90	.00	.00	.00	0.
2 APR 1600	41	.00	.00	.00	0.	*	4 APR 1800	91	.00	.00	.00	0.
2 APR 1700	42	.00	.00	.00	0.	*	4 APR 1900	92	.00	.00	.00	0.
2 APR 1800	43	.00	.00	.00	0.	*	4 APR 2000	93	.00	.00	.00	0.
2 APR 1900	44	.00	.00	.00	0.	*	4 APR 2100	94	.00	.00	.00	0.
2 APR 2000	45	.00	.00	.00	0.	*	4 APR 2200	95	.00	.00	.00	0.
2 APR 2100	46	.00	.00	.00	0.	*	4 APR 2300	96	.00	.00	.00	0.
2 APR 2200	47	.00	.00	.00	0.	*	5 APR 0000	97	.00	.00	.00	0.
2 APR 2300	48	.00	.00	.00	0.	*	5 APR 0100	98	.00	.00	.00	0.
3 APR 0000	49	.00	.00	.00	0.	*	5 APR 0200	99	.00	.00	.00	0.
3 APR 0100	50	.00	.00	.00	0.	*	5 APR 0300	100	.00	.00	.00	0.

TOTAL RAINFALL = .19, TOTAL LOSS = .00, TOTAL EXCESS = .19

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	39.	15.00	33.	15.	5.	4.
		(INCHES)	.101	.186	.187	.187
		(AC-FT)	16.	30.	30.	30.

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
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	114.	*	3	APR	0200	51	0.	*	4	APR	0300	76	0.	*
1	APR	0100	2	6.	*	2	APR	0200	27	74.	*	3	APR	0300	52	0.	*	4	APR	0400	77	0.	*
1	APR	0200	3	50.	*	2	APR	0300	28	41.	*	3	APR	0400	53	0.	*	4	APR	0500	78	0.	*
1	APR	0300	4	94.	*	2	APR	0400	29	15.	*	3	APR	0500	54	0.	*	4	APR	0600	79	0.	*
1	APR	0400	5	129.	*	2	APR	0500	30	12.	*	3	APR	0600	55	0.	*	4	APR	0700	80	0.	*
1	APR	0500	6	163.	*	2	APR	0600	31	7.	*	3	APR	0700	56	0.	*	4	APR	0800	81	0.	*
1	APR	0600	7	205.	*	2	APR	0700	32	5.	*	3	APR	0800	57	0.	*	4	APR	0900	82	0.	*
1	APR	0700	8	247.	*	2	APR	0800	33	3.	*	3	APR	0900	58	0.	*	4	APR	1000	83	0.	*
1	APR	0800	9	300.	*	2	APR	0900	34	2.	*	3	APR	1000	59	0.	*	4	APR	1100	84	0.	*
1	APR	0900	10	374.	*	2	APR	1000	35	1.	*	3	APR	1100	60	0.	*	4	APR	1200	85	0.	*
1	APR	1000	11	482.	*	2	APR	1100	36	1.	*	3	APR	1200	61	0.	*	4	APR	1300	86	0.	*
1	APR	1100	12	608.	*	2	APR	1200	37	0.	*	3	APR	1300	62	0.	*	4	APR	1400	87	0.	*
1	APR	1200	13	665.	*	2	APR	1300	38	0.	*	3	APR	1400	63	0.	*	4	APR	1500	88	0.	*
1	APR	1300	14	694.	*	2	APR	1400	39	0.	*	3	APR	1500	64	0.	*	4	APR	1600	89	0.	*
1	APR	1400	15	839.	*	2	APR	1500	40	0.	*	3	APR	1600	65	0.	*	4	APR	1700	90	0.	*
1	APR	1500	16	952.	*	2	APR	1600	41	0.	*	3	APR	1700	66	0.	*	4	APR	1800	91	0.	*
1	APR	1600	17	964.	*	2	APR	1700	42	0.	*	3	APR	1800	67	0.	*	4	APR	1900	92	0.	*
1	APR	1700	18	870.	*	2	APR	1800	43	0.	*	3	APR	1900	68	0.	*	4	APR	2000	93	0.	*
1	APR	1800	19	604.	*	2	APR	1900	44	0.	*	3	APR	2000	69	0.	*	4	APR	2100	94	0.	*
1	APR	1900	20	413.	*	2	APR	2000	45	0.	*	3	APR	2100	70	0.	*	4	APR	2200	95	0.	*
1	APR	2000	21	326.	*	2	APR	2100	46	0.	*	3	APR	2200	71	0.	*	4	APR	2300	96	0.	*
1	APR	2100	22	260.	*	2	APR	2200	47	0.	*	3	APR	2300	72	0.	*	5	APR	0000	97	0.	*
1	APR	2200	23	212.	*	2	APR	2300	48	0.	*	4	APR	0000	73	0.	*	5	APR	0100	98	0.	*
1	APR	2300	24	174.	*	3	APR	0000	49	0.	*	4	APR	0100	74	0.	*	5	APR	0200	99	0.	*
2	APR	0000	25	143.	*	3	APR	0100	50	0.	*	4	APR	0200	75	0.	*	5	APR	0300	100	0.	*

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	99.00-HR
(CFS)	(HR)			24-HR	
+		(CFS)		72-HR	
+	964.	16.00	826.	412.	140.
		(INCHES)	.090	.179	.182
		(AC-FT)	409.	818.	830.

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	262.	*	3	APR	0200	51	162.	*	4	APR	0300	76	229.	*
1	APR	0100	2	8.	*	2	APR	0200	27	217.	*	3	APR	0300	52	162.	*	4	APR	0400	77	234.	*
1	APR	0200	3	63.	*	2	APR	0300	28	181.	*	3	APR	0400	53	162.	*	4	APR	0500	78	238.	*
1	APR	0300	4	121.	*	2	APR	0400	29	157.	*	3	APR	0500	54	162.	*	4	APR	0600	79	243.	*
1	APR	0400	5	166.	*	2	APR	0500	30	155.	*	3	APR	0600	55	163.	*	4	APR	0700	80	248.	*
1	APR	0500	6	213.	*	2	APR	0600	31	153.	*	3	APR	0700	56	163.	*	4	APR	0800	81	253.	*
1	APR	0600	7	267.	*	2	APR	0700	32	154.	*	3	APR	0800	57	164.	*	4	APR	0900	82	257.	*
1	APR	0700	8	323.	*	2	APR	0800	33	156.	*	3	APR	0900	58	166.	*	4	APR	1000	83	262.	*
1	APR	0800	9	392.	*	2	APR	0900	34	158.	*	3	APR	1000	59	167.	*	4	APR	1100	84	266.	*
1	APR	0900	10	490.	*	2	APR	1000	35	160.	*	3	APR	1100	60	169.	*	4	APR	1200	85	271.	*
1	APR	1000	11	634.	*	2	APR	1100	36	162.	*	3	APR	1200	61	171.	*	4	APR	1300	86	275.	*
1	APR	1100	12	796.	*	2	APR	1200	37	164.	*	3	APR	1300	62	174.	*	4	APR	1400	87	279.	*
1	APR	1200	13	876.	*	2	APR	1300	38	165.	*	3	APR	1400	63	177.	*	4	APR	1500	88	284.	*
1	APR	1300	14	924.	*	2	APR	1400	39	166.	*	3	APR	1500	64	180.	*	4	APR	1600	89	288.	*
1	APR	1400	15	1116.	*	2	APR	1500	40	167.	*	3	APR	1600	65	183.	*	4	APR	1700	90	292.	*
1	APR	1500	16	1273.	*	2	APR	1600	41	167.	*	3	APR	1700	66	186.	*	4	APR	1800	91	296.	*
1	APR	1600	17	1294.	*	2	APR	1700	42	167.	*	3	APR	1800	67	190.	*	4	APR	1900	92	300.	*
1	APR	1700	18	1178.	*	2	APR	1800	43	167.	*	3	APR	1900	68	194.	*	4	APR	2000	93	303.	*
1	APR	1800	19	844.	*	2	APR	1900	44	167.	*	3	APR	2000	69	198.	*	4	APR	2100	94	307.	*
1	APR	1900	20	599.	*	2	APR	2000	45	166.	*	3	APR	2100	70	202.	*	4	APR	2200	95	310.	*
1	APR	2000	21	492.	*	2	APR	2100	46	166.	*	3	APR	2200	71	206.	*	4	APR	2300	96	314.	*
1	APR	2100	22	414.	*	2	APR	2200	47	165.	*	3	APR	2300	72	211.	*	5	APR	0000	97	317.	*
1	APR	2200	23	363.	*	2	APR	2300	48	164.	*	4	APR	0000	73	215.	*	5	APR	0100	98	320.	*
1	APR	2300	24	324.	*	3	APR	0000	49	163.	*	4	APR	0100	74	220.	*	5	APR	0200	99	323.	*
2	APR	0000	25	292.	*	3	APR	0100	50	163.	*	4	APR	0200	75	224.	*	5	APR	0300	100	326.	*

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	72-HR	99.00-HR
+	(CFS)	(HR)		24-HR		
+	1294.	16.00	1107.	580.	311.	294.
		(INCHES)	.019	.039	.063	.082
		(AC-FT)	549.	1151.	1850.	2408.

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

```

SUBBASIN RUNOFF DATA

```

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

```

PRECIPITATION DATA

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498 PB    STORM      .19 BASIN TOTAL PRECIPITATION

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

```

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

```

```

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

```

HYDROGRAPH AT STATION 15B

```

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

```

SJR_2yr.out

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

TOTAL RAINFALL = .19, TOTAL LOSS = .00, TOTAL EXCESS = .19

PEAK FLOW TIME

MAXIMUM AVERAGE FLOW

				SJR_2yr.out	
			6-HR	24-HR	72-HR 99.00-HR
+	(CFS)	(HR)			
+	57.	15.00	(CFS)		
			48.	22.	7.
		(INCHES)	.105	.192	.193
		(AC-FT)	24.	44.	44.

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

				MAXIMUM AVERAGE FLOW	
			6-HR	24-HR	72-HR 99.00-HR
+	(CFS)	(HR)			
+	17.	15.00	(CFS)		
			14.	7.	2.
		(INCHES)	.031	.058	.058
		(AC-FT)	7.	13.	13.

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 .19 BASIN TOTAL PRECIPITATION

518 PI INCREMENTAL PRECIPITATION PATTERN

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

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
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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	5.	*	3	APR	0400	53	.00	.00	.00	0.

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

TOTAL RAINFALL = .19, TOTAL LOSS = .00, TOTAL EXCESS = .19

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	
				24-HR	72-HR
+	(CFS)	(HR)			99.00-HR
		(CFS)			
+	56.	15.00	47.	22.	7.
					5.

SJR_2yr.out

(INCHES)	.103	.191	.193	.193
(AC-FT)	24.	44.	44.	44.

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

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
+	39.	15.00				
		(CFS)				
		(INCHES)	.072	.134	.135	.135
		(AC-FT)	16.	31.	31.	31.
		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

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	0.	*	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	11.	*	2	APR	0600	31	0.	*	3	APR	0700	56	0.	*	4	APR	0800	81	0.	*
1	APR	0600	7	14.	*	2	APR	0700	32	0.	*	3	APR	0800	57	0.	*	4	APR	0900	82	0.	*
1	APR	0700	8	16.	*	2	APR	0800	33	0.	*	3	APR	0900	58	0.	*	4	APR	1000	83	0.	*
1	APR	0800	9	19.	*	2	APR	0900	34	0.	*	3	APR	1000	59	0.	*	4	APR	1100	84	0.	*
1	APR	0900	10	25.	*	2	APR	1000	35	0.	*	3	APR	1100	60	0.	*	4	APR	1200	85	0.	*
1	APR	1000	11	32.	*	2	APR	1100	36	0.	*	3	APR	1200	61	0.	*	4	APR	1300	86	0.	*
1	APR	1100	12	38.	*	2	APR	1200	37	0.	*	3	APR	1300	62	0.	*	4	APR	1400	87	0.	*
1	APR	1200	13	39.	*	2	APR	1300	38	0.	*	3	APR	1400	63	0.	*	4	APR	1500	88	0.	*
1	APR	1300	14	41.	*	2	APR	1400	39	0.	*	3	APR	1500	64	0.	*	4	APR	1600	89	0.	*
1	APR	1400	15	56.	*	2	APR	1500	40	0.	*	3	APR	1600	65	0.	*	4	APR	1700	90	0.	*
1	APR	1500	16	56.	*	2	APR	1600	41	0.	*	3	APR	1700	66	0.	*	4	APR	1800	91	0.	*
1	APR	1600	17	54.	*	2	APR	1700	42	0.	*	3	APR	1800	67	0.	*	4	APR	1900	92	0.	*
1	APR	1700	18	40.	*	2	APR	1800	43	0.	*	3	APR	1900	68	0.	*	4	APR	2000	93	0.	*
1	APR	1800	19	18.	*	2	APR	1900	44	0.	*	3	APR	2000	69	0.	*	4	APR	2100	94	0.	*
1	APR	1900	20	13.	*	2	APR	2000	45	0.	*	3	APR	2100	70	0.	*	4	APR	2200	95	0.	*
1	APR	2000	21	9.	*	2	APR	2100	46	0.	*	3	APR	2200	71	0.	*	4	APR	2300	96	0.	*
1	APR	2100	22	7.	*	2	APR	2200	47	0.	*	3	APR	2300	72	0.	*	5	APR	0000	97	0.	*
1	APR	2200	23	6.	*	2	APR	2300	48	0.	*	4	APR	0000	73	0.	*	5	APR	0100	98	0.	*
1	APR	2300	24	6.	*	3	APR	0000	49	0.	*	4	APR	0100	74	0.	*	5	APR	0200	99	0.	*
2	APR	0000	25	5.	*	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
+	56.	15.00	48.	22.	7.	5.
		(INCHES)	.052	.096	.096	.096

(AC-FT) 24. 44. SJR_2yr.out 44. 44.
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	265.	*	3	APR	0200	51	162.	*	4	APR	0300	76	229.
1	APR	0100	2	9.	*	2	APR	0200	27	218.	*	3	APR	0300	52	162.	*	4	APR	0400	77	234.
1	APR	0200	3	68.	*	2	APR	0300	28	181.	*	3	APR	0400	53	162.	*	4	APR	0500	78	238.
1	APR	0300	4	127.	*	2	APR	0400	29	157.	*	3	APR	0500	54	162.	*	4	APR	0600	79	243.
1	APR	0400	5	175.	*	2	APR	0500	30	155.	*	3	APR	0600	55	163.	*	4	APR	0700	80	248.
1	APR	0500	6	223.	*	2	APR	0600	31	153.	*	3	APR	0700	56	163.	*	4	APR	0800	81	253.
1	APR	0600	7	281.	*	2	APR	0700	32	154.	*	3	APR	0800	57	164.	*	4	APR	0900	82	257.
1	APR	0700	8	339.	*	2	APR	0800	33	156.	*	3	APR	0900	58	166.	*	4	APR	1000	83	262.
1	APR	0800	9	412.	*	2	APR	0900	34	158.	*	3	APR	1000	59	167.	*	4	APR	1100	84	266.
1	APR	0900	10	515.	*	2	APR	1000	35	160.	*	3	APR	1100	60	169.	*	4	APR	1200	85	271.
1	APR	1000	11	666.	*	2	APR	1100	36	162.	*	3	APR	1200	61	171.	*	4	APR	1300	86	275.
1	APR	1100	12	834.	*	2	APR	1200	37	164.	*	3	APR	1300	62	174.	*	4	APR	1400	87	279.
1	APR	1200	13	915.	*	2	APR	1300	38	165.	*	3	APR	1400	63	177.	*	4	APR	1500	88	284.
1	APR	1300	14	965.	*	2	APR	1400	39	166.	*	3	APR	1500	64	180.	*	4	APR	1600	89	288.
1	APR	1400	15	1172.	*	2	APR	1500	40	167.	*	3	APR	1600	65	183.	*	4	APR	1700	90	292.
1	APR	1500	16	1329.	*	2	APR	1600	41	167.	*	3	APR	1700	66	186.	*	4	APR	1800	91	296.
1	APR	1600	17	1348.	*	2	APR	1700	42	167.	*	3	APR	1800	67	190.	*	4	APR	1900	92	300.
1	APR	1700	18	1218.	*	2	APR	1800	43	167.	*	3	APR	1900	68	194.	*	4	APR	2000	93	303.
1	APR	1800	19	862.	*	2	APR	1900	44	167.	*	3	APR	2000	69	198.	*	4	APR	2100	94	307.
1	APR	1900	20	612.	*	2	APR	2000	45	166.	*	3	APR	2100	70	202.	*	4	APR	2200	95	310.
1	APR	2000	21	501.	*	2	APR	2100	46	166.	*	3	APR	2200	71	206.	*	4	APR	2300	96	314.
1	APR	2100	22	422.	*	2	APR	2200	47	165.	*	3	APR	2300	72	211.	*	5	APR	0000	97	317.
1	APR	2200	23	369.	*	2	APR	2300	48	164.	*	4	APR	0000	73	215.	*	5	APR	0100	98	320.
1	APR	2300	24	329.	*	3	APR	0000	49	163.	*	4	APR	0100	74	220.	*	5	APR	0200	99	323.
2	APR	0000	25	297.	*	3	APR	0100	50	163.	*	4	APR	0200	75	224.	*	5	APR	0300	100	326.

SJR_2yr.out

PEAK FLOW (CFS)	TIME (HR)		6-HR	24-HR	72-HR	99.00-HR
1348.	16.00	(CFS)	1153.	602.	318.	300.
		(INCHES)	.019	.040	.064	.082
		(AC-FT)	572.	1193.	1891.	2452.

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	OUTFLOW	STORAGE
1	APR	0000	1	0.	.00	*	2	APR	1000	35	163.	16.96	*	3	APR	2000	69	184.	19.15
1	APR	0100	2	0.	.02	*	2	APR	1100	36	160.	16.67	*	3	APR	2100	70	188.	19.51

SJR_2yr.out													
1 APR 0200	3	2.	.26	*	2 APR 1200	37	160.	16.59	*	3 APR 2200	71	191.	19.90
1 APR 0300	4	11.	1.18	*	2 APR 1300	38	160.	16.64	*	3 APR 2300	72	195.	20.30
1 APR 0400	5	31.	3.22	*	2 APR 1400	39	161.	16.75	*	4 APR 0000	73	199.	20.71
1 APR 0500	6	62.	6.40	*	2 APR 1500	40	162.	16.88	*	4 APR 0100	74	203.	21.14
1 APR 0600	7	100.	10.41	*	2 APR 1600	41	164.	17.00	*	4 APR 0200	75	208.	21.59
1 APR 0700	8	144.	15.00	*	2 APR 1700	42	165.	17.12	*	4 APR 0300	76	212.	22.04
1 APR 0800	9	193.	20.08	*	2 APR 1800	43	165.	17.21	*	4 APR 0400	77	216.	22.51
1 APR 0900	10	247.	25.73	*	2 APR 1900	44	166.	17.27	*	4 APR 0500	78	221.	22.98
1 APR 1000	11	311.	32.35	*	2 APR 2000	45	166.	17.31	*	4 APR 0600	79	226.	23.46
1 APR 1100	12	392.	40.72	*	2 APR 2100	46	167.	17.32	*	4 APR 0700	80	230.	23.94
1 APR 1200	13	497.	51.65	*	2 APR 2200	47	166.	17.31	*	4 APR 0800	81	235.	24.43
1 APR 1300	14	629.	63.61	*	2 APR 2300	48	166.	17.28	*	4 APR 0900	82	240.	24.91
1 APR 1400	15	752.	74.64	*	3 APR 0000	49	166.	17.23	*	4 APR 1000	83	244.	25.40
1 APR 1500	16	864.	84.79	*	3 APR 0100	50	165.	17.17	*	4 APR 1100	84	249.	25.88
1 APR 1600	17	958.	93.19	*	3 APR 0200	51	165.	17.11	*	4 APR 1200	85	253.	26.36
1 APR 1700	18	1015.	99.99	*	3 APR 0300	52	164.	17.05	*	4 APR 1300	86	258.	26.84
1 APR 1800	19	1048.	106.48	*	3 APR 0400	53	163.	16.99	*	4 APR 1400	87	263.	27.31
1 APR 1900	20	1073.	111.21	*	3 APR 0500	54	163.	16.95	*	4 APR 1500	88	267.	27.78
1 APR 2000	21	1071.	110.88	*	3 APR 0600	55	163.	16.92	*	4 APR 1600	89	272.	28.24
1 APR 2100	22	1017.	100.34	*	3 APR 0700	56	163.	16.90	*	4 APR 1700	90	276.	28.69
1 APR 2200	23	840.	82.60	*	3 APR 0800	57	163.	16.91	*	4 APR 1800	91	280.	29.14
1 APR 2300	24	664.	66.76	*	3 APR 0900	58	163.	16.94	*	4 APR 1900	92	284.	29.57
2 APR 0000	25	538.	55.44	*	3 APR 1000	59	163.	17.00	*	4 APR 2000	93	288.	30.00
2 APR 0100	26	456.	47.43	*	3 APR 1100	60	164.	17.08	*	4 APR 2100	94	292.	30.41
2 APR 0200	27	395.	41.11	*	3 APR 1200	61	165.	17.20	*	4 APR 2200	95	296.	30.82
2 APR 0300	28	344.	35.75	*	3 APR 1300	62	167.	17.34	*	4 APR 2300	96	300.	31.21
2 APR 0400	29	298.	31.00	*	3 APR 1400	63	168.	17.52	*	5 APR 0000	97	304.	31.60
2 APR 0500	30	257.	26.78	*	3 APR 1500	64	170.	17.72	*	5 APR 0100	98	307.	31.97
2 APR 0600	31	224.	23.25	*	3 APR 1600	65	173.	17.95	*	5 APR 0200	99	311.	32.33
2 APR 0700	32	198.	20.58	*	3 APR 1700	66	175.	18.21	*	5 APR 0300	100	314.	32.68
2 APR 0800	33	180.	18.75	*	3 APR 1800	67	178.	18.50	*				
2 APR 0900	34	169.	17.61	*	3 APR 1900	68	181.	18.82	*				
				*					*				

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW				
+	(CFS)	(HR)	6-HR	24-HR	72-HR	99.00-HR
		(CFS)				
+	1073.	19.00	1021.	595.	316.	288.
		(INCHES)	.017	.040	.063	.079
		(AC-FT)	506.	1180.	1882.	2352.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	99.00-HR
+ (AC-FT)	(HR)				
111.	19.00	103.	60.	32.	30.

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

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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

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SUBBASIN RUNOFF DATA

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552 BA      SUBBASIN CHARACTERISTICS
              TAREA      28.11      SUBBASIN AREA

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PRECIPITATION DATA

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553 PB      STORM      .19      BASIN TOTAL PRECIPITATION

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

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

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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

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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	3.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	21.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	35.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	48.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	60.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	76.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	91.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	109.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.01	.00	.01	138.	*	3	APR	1100	60	.00	.00	.00	0.

SJR_2yr.out

1 APR 1000	11	.01	.00	.01	179.	*	3 APR 1200	61	.00	.00	.00	0.
1 APR 1100	12	.01	.00	.01	219.	*	3 APR 1300	62	.00	.00	.00	0.
1 APR 1200	13	.01	.00	.01	235.	*	3 APR 1400	63	.00	.00	.00	0.
1 APR 1300	14	.01	.00	.01	247.	*	3 APR 1500	64	.00	.00	.00	0.
1 APR 1400	15	.02	.00	.02	312.	*	3 APR 1600	65	.00	.00	.00	0.
1 APR 1500	16	.02	.00	.02	343.	*	3 APR 1700	66	.00	.00	.00	0.
1 APR 1600	17	.02	.00	.02	339.	*	3 APR 1800	67	.00	.00	.00	0.
1 APR 1700	18	.01	.00	.01	284.	*	3 APR 1900	68	.00	.00	.00	0.
1 APR 1800	19	.00	.00	.00	173.	*	3 APR 2000	69	.00	.00	.00	0.
1 APR 1900	20	.00	.00	.00	113.	*	3 APR 2100	70	.00	.00	.00	0.
1 APR 2000	21	.00	.00	.00	84.	*	3 APR 2200	71	.00	.00	.00	0.
1 APR 2100	22	.00	.00	.00	66.	*	3 APR 2300	72	.00	.00	.00	0.
1 APR 2200	23	.00	.00	.00	55.	*	4 APR 0000	73	.00	.00	.00	0.
1 APR 2300	24	.00	.00	.00	45.	*	4 APR 0100	74	.00	.00	.00	0.
2 APR 0000	25	.00	.00	.00	37.	*	4 APR 0200	75	.00	.00	.00	0.
2 APR 0100	26	.00	.00	.00	28.	*	4 APR 0300	76	.00	.00	.00	0.
2 APR 0200	27	.00	.00	.00	15.	*	4 APR 0400	77	.00	.00	.00	0.
2 APR 0300	28	.00	.00	.00	7.	*	4 APR 0500	78	.00	.00	.00	0.
2 APR 0400	29	.00	.00	.00	4.	*	4 APR 0600	79	.00	.00	.00	0.
2 APR 0500	30	.00	.00	.00	2.	*	4 APR 0700	80	.00	.00	.00	0.
2 APR 0600	31	.00	.00	.00	1.	*	4 APR 0800	81	.00	.00	.00	0.
2 APR 0700	32	.00	.00	.00	1.	*	4 APR 0900	82	.00	.00	.00	0.
2 APR 0800	33	.00	.00	.00	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 = .19, TOTAL LOSS = .00, TOTAL EXCESS = .19

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	343.	15.00	288.	139.	47.	34.
		(INCHES)	.095	.184	.186	.186
		(AC-FT)	143.	276.	279.	279.

CUMULATIVE AREA = 28.11 SQ MI

SJR_2yr.out

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568 KK *****
*
* I *
*

ENTRANCE TO RAILROAD CANYON DAM

570 HC HYDROGRAPH COMBINATION
ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION I
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	APR	0000	1	0.	*	2	APR	0100	26	484.	*	3	APR	0200	51	165.	*	4	APR	0300	76	212.	*
1	APR	0100	2	3.	*	2	APR	0200	27	410.	*	3	APR	0300	52	164.	*	4	APR	0400	77	216.	*
1	APR	0200	3	24.	*	2	APR	0300	28	351.	*	3	APR	0400	53	163.	*	4	APR	0500	78	221.	*
1	APR	0300	4	47.	*	2	APR	0400	29	302.	*	3	APR	0500	54	163.	*	4	APR	0600	79	226.	*
1	APR	0400	5	79.	*	2	APR	0500	30	260.	*	3	APR	0600	55	163.	*	4	APR	0700	80	230.	*
1	APR	0500	6	122.	*	2	APR	0600	31	225.	*	3	APR	0700	56	163.	*	4	APR	0800	81	235.	*
1	APR	0600	7	176.	*	2	APR	0700	32	199.	*	3	APR	0800	57	163.	*	4	APR	0900	82	240.	*
1	APR	0700	8	235.	*	2	APR	0800	33	181.	*	3	APR	0900	58	163.	*	4	APR	1000	83	244.	*
1	APR	0800	9	303.	*	2	APR	0900	34	169.	*	3	APR	1000	59	163.	*	4	APR	1100	84	249.	*
1	APR	0900	10	386.	*	2	APR	1000	35	163.	*	3	APR	1100	60	164.	*	4	APR	1200	85	253.	*
1	APR	1000	11	491.	*	2	APR	1100	36	160.	*	3	APR	1200	61	165.	*	4	APR	1300	86	258.	*
1	APR	1100	12	611.	*	2	APR	1200	37	160.	*	3	APR	1300	62	167.	*	4	APR	1400	87	263.	*
1	APR	1200	13	731.	*	2	APR	1300	38	160.	*	3	APR	1400	63	168.	*	4	APR	1500	88	267.	*
1	APR	1300	14	876.	*	2	APR	1400	39	161.	*	3	APR	1500	64	170.	*	4	APR	1600	89	272.	*
1	APR	1400	15	1064.	*	2	APR	1500	40	162.	*	3	APR	1600	65	173.	*	4	APR	1700	90	276.	*
1	APR	1500	16	1207.	*	2	APR	1600	41	164.	*	3	APR	1700	66	175.	*	4	APR	1800	91	280.	*
1	APR	1600	17	1296.	*	2	APR	1700	42	165.	*	3	APR	1800	67	178.	*	4	APR	1900	92	284.	*
1	APR	1700	18	1299.	*	2	APR	1800	43	165.	*	3	APR	1900	68	181.	*	4	APR	2000	93	288.	*
1	APR	1800	19	1222.	*	2	APR	1900	44	166.	*	3	APR	2000	69	184.	*	4	APR	2100	94	292.	*
1	APR	1900	20	1186.	*	2	APR	2000	45	166.	*	3	APR	2100	70	188.	*	4	APR	2200	95	296.	*
1	APR	2000	21	1155.	*	2	APR	2100	46	167.	*	3	APR	2200	71	191.	*	4	APR	2300	96	300.	*
1	APR	2100	22	1083.	*	2	APR	2200	47	166.	*	3	APR	2300	72	195.	*	5	APR	0000	97	304.	*
1	APR	2200	23	895.	*	2	APR	2300	48	166.	*	4	APR	0000	73	199.	*	5	APR	0100	98	307.	*
1	APR	2300	24	709.	*	3	APR	0000	49	166.	*	4	APR	0100	74	203.	*	5	APR	0200	99	311.	*
2	APR	0000	25	575.	*	3	APR	0100	50	165.	*	4	APR	0200	75	208.	*	5	APR	0300	100	314.	*

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

				SJR_2yr.out	
+	1299.	17.00	1220.	722.	358.
		(INCHES)	.019	.046	.068
		(AC-FT)	605.	1433.	2130.
					322.
					.084
					2631.

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

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	530.	*	3	APR	0200	51	165.	*	4	APR	0300	76	210.	*
1	APR	0100	2	2.	*	2	APR	0200	27	447.	*	3	APR	0300	52	164.	*	4	APR	0400	77	214.	*
1	APR	0200	3	13.	*	2	APR	0300	28	380.	*	3	APR	0400	53	164.	*	4	APR	0500	78	219.	*
1	APR	0300	4	35.	*	2	APR	0400	29	326.	*	3	APR	0500	54	163.	*	4	APR	0600	79	223.	*
1	APR	0400	5	63.	*	2	APR	0500	30	281.	*	3	APR	0600	55	163.	*	4	APR	0700	80	228.	*
1	APR	0500	6	100.	*	2	APR	0600	31	242.	*	3	APR	0700	56	163.	*	4	APR	0800	81	233.	*
1	APR	0600	7	149.	*	2	APR	0700	32	212.	*	3	APR	0800	57	163.	*	4	APR	0900	82	237.	*
1	APR	0700	8	206.	*	2	APR	0800	33	190.	*	3	APR	0900	58	163.	*	4	APR	1000	83	242.	*
1	APR	0800	9	269.	*	2	APR	0900	34	175.	*	3	APR	1000	59	163.	*	4	APR	1100	84	247.	*
1	APR	0900	10	344.	*	2	APR	1000	35	166.	*	3	APR	1100	60	164.	*	4	APR	1200	85	251.	*
1	APR	1000	11	438.	*	2	APR	1100	36	162.	*	3	APR	1200	61	165.	*	4	APR	1300	86	256.	*
1	APR	1100	12	551.	*	2	APR	1200	37	160.	*	3	APR	1300	62	166.	*	4	APR	1400	87	260.	*
1	APR	1200	13	671.	*	2	APR	1300	38	160.	*	3	APR	1400	63	168.	*	4	APR	1500	88	265.	*
1	APR	1300	14	804.	*	2	APR	1400	39	160.	*	3	APR	1500	64	169.	*	4	APR	1600	89	269.	*
1	APR	1400	15	970.	*	2	APR	1500	40	162.	*	3	APR	1600	65	171.	*	4	APR	1700	90	274.	*
1	APR	1500	16	1136.	*	2	APR	1600	41	163.	*	3	APR	1700	66	174.	*	4	APR	1800	91	278.	*
1	APR	1600	17	1252.	*	2	APR	1700	42	164.	*	3	APR	1800	67	177.	*	4	APR	1900	92	282.	*

1	APR	1700	18	1298.	*	2	APR	1800	43	165.	*	3	APR	1900	68	179.	*	4	APR	2000	93	286.
1	APR	1800	19	1260.	*	2	APR	1900	44	166.	*	3	APR	2000	69	183.	*	4	APR	2100	94	290.
1	APR	1900	20	1204.	*	2	APR	2000	45	166.	*	3	APR	2100	70	186.	*	4	APR	2200	95	294.
1	APR	2000	21	1170.	*	2	APR	2100	46	166.	*	3	APR	2200	71	189.	*	4	APR	2300	96	298.
1	APR	2100	22	1119.	*	2	APR	2200	47	166.	*	3	APR	2300	72	193.	*	5	APR	0000	97	302.
1	APR	2200	23	989.	*	2	APR	2300	48	166.	*	4	APR	0000	73	197.	*	5	APR	0100	98	306.
1	APR	2300	24	802.	*	3	APR	0000	49	166.	*	4	APR	0100	74	201.	*	5	APR	0200	99	309.
2	APR	0000	25	642.	*	3	APR	0100	50	165.	*	4	APR	0200	75	205.	*	5	APR	0300	100	313.
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*                                     *
*                               17    *
*                                     *
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SUBBASIN RUNOFF DATA

PRECIPITATION DATA

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

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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	21.
1	APR	0100	2	.00	.00	.00	10.	*	3	APR	0300	52	.00	.00	.00	19.
1	APR	0200	3	.00	.00	.00	44.	*	3	APR	0400	53	.00	.00	.00	16.
1	APR	0300	4	.00	.00	.00	88.	*	3	APR	0500	54	.00	.00	.00	14.
1	APR	0400	5	.00	.00	.00	130.	*	3	APR	0600	55	.00	.00	.00	11.
1	APR	0500	6	.00	.00	.00	175.	*	3	APR	0700	56	.00	.00	.00	8.
1	APR	0600	7	.01	.00	.01	224.	*	3	APR	0800	57	.00	.00	.00	6.
1	APR	0700	8	.01	.00	.01	277.	*	3	APR	0900	58	.00	.00	.00	3.
1	APR	0800	9	.01	.00	.01	340.	*	3	APR	1000	59	.00	.00	.00	2.
1	APR	0900	10	.01	.00	.01	425.	*	3	APR	1100	60	.00	.00	.00	2.
1	APR	1000	11	.01	.00	.01	548.	*	3	APR	1200	61	.00	.00	.00	1.
1	APR	1100	12	.01	.00	.01	676.	*	3	APR	1300	62	.00	.00	.00	1.
1	APR	1200	13	.01	.00	.01	761.	*	3	APR	1400	63	.00	.00	.00	1.
1	APR	1300	14	.02	.00	.02	851.	*	3	APR	1500	64	.00	.00	.00	1.
1	APR	1400	15	.02	.00	.02	1003.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.02	.00	.02	1155.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.02	.00	.02	1201.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.01	.00	.01	1119.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	903.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	709.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	589.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	507.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	447.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	400.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	363.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	322.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	274.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	231.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	201.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	180.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	164.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	148.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	136.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	124.	*	4	APR	1100	84	.00	.00	.00	0.
2	APR	1000	35	.00	.00	.00	113.	*	4	APR	1200	85	.00	.00	.00	0.
2	APR	1100	36	.00	.00	.00	102.	*	4	APR	1300	86	.00	.00	.00	0.
2	APR	1200	37	.00	.00	.00	93.	*	4	APR	1400	87	.00	.00	.00	0.
2	APR	1300	38	.00	.00	.00	84.	*	4	APR	1500	88	.00	.00	.00	0.

SJr_2yr.out												
2 APR 1400	39	.00	.00	.00	76.	*	4 APR 1600	89	.00	.00	.00	0.
2 APR 1500	40	.00	.00	.00	68.	*	4 APR 1700	90	.00	.00	.00	0.
2 APR 1600	41	.00	.00	.00	61.	*	4 APR 1800	91	.00	.00	.00	0.
2 APR 1700	42	.00	.00	.00	55.	*	4 APR 1900	92	.00	.00	.00	0.
2 APR 1800	43	.00	.00	.00	49.	*	4 APR 2000	93	.00	.00	.00	0.
2 APR 1900	44	.00	.00	.00	42.	*	4 APR 2100	94	.00	.00	.00	0.
2 APR 2000	45	.00	.00	.00	37.	*	4 APR 2200	95	.00	.00	.00	0.
2 APR 2100	46	.00	.00	.00	31.	*	4 APR 2300	96	.00	.00	.00	0.
2 APR 2200	47	.00	.00	.00	29.	*	5 APR 0000	97	.00	.00	.00	0.
2 APR 2300	48	.00	.00	.00	27.	*	5 APR 0100	98	.00	.00	.00	0.
3 APR 0000	49	.00	.00	.00	25.	*	5 APR 0200	99	.00	.00	.00	0.
3 APR 0100	50	.00	.00	.00	23.	*	5 APR 0300	100	.00	.00	.00	0.

TOTAL RAINFALL = .20, TOTAL LOSS = .00, TOTAL EXCESS = .20

PEAK FLOW	TIME		6-HR	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)				
		(CFS)				
+	1201.	16.00	1027.	571.	219.	159.
		(INCHES)	.077	.171	.197	.197
		(AC-FT)	509.	1133.	1301.	1301.

CUMULATIVE AREA = 123.91 SQ MI

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 * *
 599 KK * 16 * SUBAREA 16
 * *

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 .20 BASIN TOTAL PRECIPITATION

604 PI INCREMENTAL PRECIPITATION PATTERN
 .00 .01 .01 .02 .02 .03 .03 .04 .05 .07

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.08 .07 .08 .12 .11 .10 .07 .01 .02 .01
.01 .01 .01 .01 .01 .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

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	2.	*	3	APR	0300	52	.00	.00	.00	0.
1	APR	0200	3	.00	.00	.00	14.	*	3	APR	0400	53	.00	.00	.00	0.
1	APR	0300	4	.00	.00	.00	25.	*	3	APR	0500	54	.00	.00	.00	0.
1	APR	0400	5	.00	.00	.00	35.	*	3	APR	0600	55	.00	.00	.00	0.
1	APR	0500	6	.00	.00	.00	46.	*	3	APR	0700	56	.00	.00	.00	0.
1	APR	0600	7	.01	.00	.01	59.	*	3	APR	0800	57	.00	.00	.00	0.
1	APR	0700	8	.01	.00	.01	71.	*	3	APR	0900	58	.00	.00	.00	0.
1	APR	0800	9	.01	.00	.01	87.	*	3	APR	1000	59	.00	.00	.00	0.
1	APR	0900	10	.01	.00	.01	109.	*	3	APR	1100	60	.00	.00	.00	0.
1	APR	1000	11	.01	.00	.01	142.	*	3	APR	1200	61	.00	.00	.00	0.
1	APR	1100	12	.02	.00	.02	175.	*	3	APR	1300	62	.00	.00	.00	0.
1	APR	1200	13	.01	.00	.01	193.	*	3	APR	1400	63	.00	.00	.00	0.
1	APR	1300	14	.02	.00	.02	207.	*	3	APR	1500	64	.00	.00	.00	0.
1	APR	1400	15	.02	.00	.02	255.	*	3	APR	1600	65	.00	.00	.00	0.
1	APR	1500	16	.02	.00	.02	286.	*	3	APR	1700	66	.00	.00	.00	0.
1	APR	1600	17	.02	.00	.02	292.	*	3	APR	1800	67	.00	.00	.00	0.
1	APR	1700	18	.01	.00	.01	263.	*	3	APR	1900	68	.00	.00	.00	0.
1	APR	1800	19	.00	.00	.00	190.	*	3	APR	2000	69	.00	.00	.00	0.
1	APR	1900	20	.00	.00	.00	141.	*	3	APR	2100	70	.00	.00	.00	0.
1	APR	2000	21	.00	.00	.00	116.	*	3	APR	2200	71	.00	.00	.00	0.
1	APR	2100	22	.00	.00	.00	97.	*	3	APR	2300	72	.00	.00	.00	0.
1	APR	2200	23	.00	.00	.00	85.	*	4	APR	0000	73	.00	.00	.00	0.
1	APR	2300	24	.00	.00	.00	75.	*	4	APR	0100	74	.00	.00	.00	0.
2	APR	0000	25	.00	.00	.00	67.	*	4	APR	0200	75	.00	.00	.00	0.
2	APR	0100	26	.00	.00	.00	57.	*	4	APR	0300	76	.00	.00	.00	0.
2	APR	0200	27	.00	.00	.00	44.	*	4	APR	0400	77	.00	.00	.00	0.
2	APR	0300	28	.00	.00	.00	33.	*	4	APR	0500	78	.00	.00	.00	0.
2	APR	0400	29	.00	.00	.00	27.	*	4	APR	0600	79	.00	.00	.00	0.
2	APR	0500	30	.00	.00	.00	21.	*	4	APR	0700	80	.00	.00	.00	0.
2	APR	0600	31	.00	.00	.00	17.	*	4	APR	0800	81	.00	.00	.00	0.
2	APR	0700	32	.00	.00	.00	14.	*	4	APR	0900	82	.00	.00	.00	0.
2	APR	0800	33	.00	.00	.00	11.	*	4	APR	1000	83	.00	.00	.00	0.
2	APR	0900	34	.00	.00	.00	9.	*	4	APR	1100	84	.00	.00	.00	0.

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2 APR 1000	35	.00	.00	.00	7.	*	4 APR 1200	85	.00	.00	.00	0.
2 APR 1100	36	.00	.00	.00	6.	*	4 APR 1300	86	.00	.00	.00	0.
2 APR 1200	37	.00	.00	.00	4.	*	4 APR 1400	87	.00	.00	.00	0.
2 APR 1300	38	.00	.00	.00	3.	*	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	1.	*	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 = .20, TOTAL LOSS = .00, TOTAL EXCESS = .20

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)					
+	292.	16.00	(CFS)	249.	130.	46.	33.
			(INCHES)	.089	.186	.196	.196
			(AC-FT)	124.	258.	272.	272.

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

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SJRW2yr.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	909.	*	3	APR	0200	51	186.	*	4	APR	0300	76	210.	*
1	APR	0100	2	14.	*	2	APR	0200	27	765.	*	3	APR	0300	52	183.	*	4	APR	0400	77	214.	*
1	APR	0200	3	71.	*	2	APR	0300	28	644.	*	3	APR	0400	53	180.	*	4	APR	0500	78	219.	*
1	APR	0300	4	148.	*	2	APR	0400	29	554.	*	3	APR	0500	54	177.	*	4	APR	0600	79	223.	*
1	APR	0400	5	229.	*	2	APR	0500	30	483.	*	3	APR	0600	55	174.	*	4	APR	0700	80	228.	*
1	APR	0500	6	322.	*	2	APR	0600	31	423.	*	3	APR	0700	56	171.	*	4	APR	0800	81	233.	*
1	APR	0600	7	432.	*	2	APR	0700	32	374.	*	3	APR	0800	57	168.	*	4	APR	0900	82	237.	*
1	APR	0700	8	553.	*	2	APR	0800	33	336.	*	3	APR	0900	58	166.	*	4	APR	1000	83	242.	*
1	APR	0800	9	696.	*	2	APR	0900	34	308.	*	3	APR	1000	59	165.	*	4	APR	1100	84	247.	*
1	APR	0900	10	878.	*	2	APR	1000	35	286.	*	3	APR	1100	60	166.	*	4	APR	1200	85	251.	*
1	APR	1000	11	1128.	*	2	APR	1100	36	270.	*	3	APR	1200	61	166.	*	4	APR	1300	86	256.	*
1	APR	1100	12	1401.	*	2	APR	1200	37	257.	*	3	APR	1300	62	167.	*	4	APR	1400	87	260.	*
1	APR	1200	13	1625.	*	2	APR	1300	38	247.	*	3	APR	1400	63	168.	*	4	APR	1500	88	265.	*
1	APR	1300	14	1862.	*	2	APR	1400	39	238.	*	3	APR	1500	64	170.	*	4	APR	1600	89	269.	*
1	APR	1400	15	2228.	*	2	APR	1500	40	231.	*	3	APR	1600	65	172.	*	4	APR	1700	90	274.	*
1	APR	1500	16	2577.	*	2	APR	1600	41	225.	*	3	APR	1700	66	174.	*	4	APR	1800	91	278.	*
1	APR	1600	17	2745.	*	2	APR	1700	42	220.	*	3	APR	1800	67	177.	*	4	APR	1900	92	282.	*
1	APR	1700	18	2680.	*	2	APR	1800	43	215.	*	3	APR	1900	68	179.	*	4	APR	2000	93	286.	*
1	APR	1800	19	2354.	*	2	APR	1900	44	208.	*	3	APR	2000	69	183.	*	4	APR	2100	94	290.	*
1	APR	1900	20	2054.	*	2	APR	2000	45	203.	*	3	APR	2100	70	186.	*	4	APR	2200	95	294.	*
1	APR	2000	21	1876.	*	2	APR	2100	46	198.	*	3	APR	2200	71	189.	*	4	APR	2300	96	298.	*
1	APR	2100	22	1723.	*	2	APR	2200	47	195.	*	3	APR	2300	72	193.	*	5	APR	0000	97	302.	*
1	APR	2200	23	1520.	*	2	APR	2300	48	193.	*	4	APR	0000	73	197.	*	5	APR	0100	98	306.	*
1	APR	2300	24	1277.	*	3	APR	0000	49	191.	*	4	APR	0100	74	201.	*	5	APR	0200	99	309.	*
2	APR	0000	25	1071.	*	3	APR	0100	50	189.	*	4	APR	0200	75	205.	*	5	APR	0300	100	313.	*

PEAK FLOW	TIME	MAXIMUM	AVERAGE FLOW
(CFS)	(HR)	6-HR	24-HR 72-HR 99.00-HR
2745.	16.00	2424.	1418. 615. 512.
(INCHES)		.031	.072 .093 .107
(AC-FT)		1202.	2812. 3658. 4192.

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

SJR_2yr.out

621 RS	STORAGE ROUTING										
	NSTPS	1	NUMBER OF SUBREACHES								
	ITYP	STOR	TYPE OF INITIAL CONDITION								
	RSVRIC	.00	INITIAL CONDITION								
	X	.00	WORKING R AND D COEFFICIENT								
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	797.	1041.5	1383.0	*	3	APR	2000	69	260.	403.4	1382.3
1	APR	0100	2	0.	.6	1381.8	*	2	APR	1100	36	746.	1000.8	1383.0	*	3	APR	2100	70	256.	397.3	1382.3
1	APR	0200	3	3.	4.0	1381.8	*	2	APR	1200	37	698.	962.9	1383.0	*	3	APR	2200	71	252.	391.9	1382.3
1	APR	0300	4	8.	12.6	1381.8	*	2	APR	1300	38	654.	927.8	1382.9	*	3	APR	2300	72	249.	387.0	1382.3
1	APR	0400	5	17.	27.1	1381.8	*	2	APR	1400	39	613.	895.5	1382.9	*	4	APR	0000	73	246.	382.6	1382.3
1	APR	0500	6	31.	47.9	1381.9	*	2	APR	1500	40	576.	865.8	1382.8	*	4	APR	0100	74	244.	378.8	1382.3
1	APR	0600	7	49.	75.7	1381.9	*	2	APR	1600	41	541.	838.5	1382.8	*	4	APR	0200	75	242.	375.6	1382.2
1	APR	0700	8	72.	111.5	1381.9	*	2	APR	1700	42	523.	812.9	1382.8	*	4	APR	0300	76	240.	372.8	1382.2
1	APR	0800	9	100.	156.0	1382.0	*	2	APR	1800	43	507.	788.2	1382.7	*	4	APR	0400	77	239.	370.6	1382.2
1	APR	0900	10	136.	211.2	1382.1	*	2	APR	1900	44	492.	764.4	1382.7	*	4	APR	0500	78	237.	368.8	1382.2
1	APR	1000	11	181.	281.1	1382.1	*	2	APR	2000	45	477.	741.3	1382.7	*	4	APR	0600	79	237.	367.5	1382.2
1	APR	1100	12	237.	368.3	1382.2	*	2	APR	2100	46	463.	719.1	1382.7	*	4	APR	0700	80	236.	366.6	1382.2
1	APR	1200	13	303.	471.0	1382.4	*	2	APR	2200	47	449.	697.6	1382.6	*	4	APR	0800	81	236.	366.1	1382.2
1	APR	1300	14	378.	587.0	1382.5	*	2	APR	2300	48	436.	677.1	1382.6	*	4	APR	0900	82	236.	366.1	1382.2
1	APR	1400	15	464.	721.1	1382.7	*	3	APR	0000	49	423.	657.5	1382.6	*	4	APR	1000	83	236.	366.4	1382.2
1	APR	1500	16	589.	876.2	1382.8	*	3	APR	0100	50	411.	638.7	1382.6	*	4	APR	1100	84	236.	367.1	1382.2
1	APR	1600	17	794.	1039.0	1383.0	*	3	APR	0200	51	399.	620.7	1382.5	*	4	APR	1200	85	237.	368.1	1382.2
1	APR	1700	18	984.	1189.7	1383.2	*	3	APR	0300	52	388.	603.4	1382.5	*	4	APR	1300	86	238.	369.4	1382.2
1	APR	1800	19	1136.	1310.1	1383.4	*	3	APR	0400	53	378.	586.7	1382.5	*	4	APR	1400	87	239.	371.1	1382.2
1	APR	1900	20	1241.	1394.0	1383.5	*	3	APR	0500	54	367.	570.7	1382.5	*	4	APR	1500	88	240.	373.0	1382.2
1	APR	2000	21	1313.	1450.8	1383.5	*	3	APR	0600	55	357.	555.3	1382.5	*	4	APR	1600	89	241.	375.2	1382.2
1	APR	2100	22	1361.	1489.1	1383.6	*	3	APR	0700	56	348.	540.4	1382.4	*	4	APR	1700	90	243.	377.6	1382.3
1	APR	2200	23	1387.	1509.5	1383.6	*	3	APR	0800	57	339.	526.0	1382.4	*	4	APR	1800	91	245.	380.2	1382.3
1	APR	2300	24	1388.	1510.5	1383.6	*	3	APR	0900	58	330.	512.2	1382.4	*	4	APR	1900	92	247.	383.1	1382.3
2	APR	0000	25	1367.	1493.7	1383.6	*	3	APR	1000	59	321.	499.0	1382.4	*	4	APR	2000	93	249.	386.1	1382.3
2	APR	0100	26	1330.	1464.1	1383.6	*	3	APR	1100	60	313.	486.5	1382.4	*	4	APR	2100	94	251.	389.3	1382.3
2	APR	0200	27	1281.	1425.3	1383.5	*	3	APR	1200	61	305.	474.6	1382.4	*	4	APR	2200	95	253.	392.7	1382.3
2	APR	0300	28	1224.	1380.1	1383.5	*	3	APR	1300	62	298.	463.5	1382.4	*	4	APR	2300	96	255.	396.2	1382.3
2	APR	0400	29	1162.	1331.0	1383.4	*	3	APR	1400	63	292.	452.9	1382.3	*	5	APR	0000	97	257.	399.8	1382.3
2	APR	0500	30	1098.	1280.4	1383.3	*	3	APR	1500	64	285.	443.1	1382.3	*	5	APR	0100	98	260.	403.6	1382.3
2	APR	0600	31	1034.	1229.7	1383.3	*	3	APR	1600	65	279.	433.9	1382.3	*	5	APR	0200	99	262.	407.4	1382.3
2	APR	0700	32	971.	1179.8	1383.2	*	3	APR	1700	66	274.	425.3	1382.3	*	5	APR	0300	100	265.	411.3	1382.3

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2 APR 0800	33	910.	1131.4	1383.2	*	3 APR 1800	67	269.	417.4	1382.3	*
2 APR 0900	34	852.	1085.1	1383.1	*	3 APR 1900	68	264.	410.1	1382.3	*

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	99.00-HR
+	(CFS)	(HR)					
		(CFS)					
+	1388.	23.00	1355.	1038.	570.	462.	
		(INCHES)	.017	.052	.086	.096	
		(AC-FT)	672.	2060.	3393.	3780.	

PEAK STORAGE	TIME		6-HR	MAXIMUM AVERAGE STORAGE	24-HR	72-HR	99.00-HR
+	(AC-FT)	(HR)					
	1510.	23.00	1484.	1233.	759.	625.	

PEAK STAGE	TIME		6-HR	MAXIMUM AVERAGE STAGE	24-HR	72-HR	99.00-HR
+	(FEET)	(HR)					
	1383.61	23.00	1383.58	1383.28	1382.71	1382.55	

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	2303.	17.00	2034.	1162.	470.	178.50
+	HYDROGRAPH AT	3	585.	17.00	506.	282.	108.	51.38
+	HYDROGRAPH AT	4	241.	17.00	205.	107.	37.	15.76
+	3 COMBINED AT	A	3129.	17.00	2741.	1549.	616.	245.64
+	ROUTED TO	A-B	3110.	18.00	2712.	1548.	616.	245.64
+	HYDROGRAPH AT	6	472.	16.00	401.	215.	78.	35.42
+	HYDROGRAPH AT	5	138.	15.00	117.	61.	22.	12.07

SJR_2yr.out								
+	3 COMBINED AT	B	3564.	18.00	3194.	1819.	715.	293.13
+	HYDROGRAPH AT	7	75.	15.00	64.	32.	11.	5.64
+	2 COMBINED AT	C	3614.	17.00	3246.	1849.	726.	298.77
+	HYDROGRAPH AT	8	131.	15.00	112.	56.	19.	9.73
+	2 COMBINED AT	D	3702.	17.00	3336.	1902.	746.	308.50
+	HYDROGRAPH AT	9	474.	15.00	403.	206.	71.	43.98
+	2 COMBINED AT	E	4025.	17.00	3666.	2100.	817.	352.48
+	ROUTED TO	E-F	373.	89.00	373.	370.	295.	352.48
+	HYDROGRAPH AT	10	216.	14.00	185.	93.	32.	17.90
+	HYDROGRAPH AT	11	227.	14.00	194.	97.	33.	18.10
+	3 COMBINED AT	F	444.	14.00	381.	370.	296.	388.48
+	ROUTED TO	F-F1	370.	98.00	370.	361.	273.	388.48
+	ROUTED TO	F1-G	366.	99.00	364.	349.	258.	388.48
+	HYDROGRAPH AT	12A	50.	14.00	41.	19.	6.	12.26
+	HYDROGRAPH AT	12A1	116.	14.00	94.	44.	15.	12.26
+	3 COMBINED AT	G	366.	99.00	364.	349.	258.	413.00
+	ROUTED TO	G-H	326.	99.00	317.	282.	208.	413.00
+	HYDROGRAPH AT	13	115.	16.00	99.	52.	18.	25.74
+	HYDROGRAPH AT	13	188.	16.00	161.	80.	27.	25.74

SJR_2yr.out									
+	3 COMBINED AT	NUEVDS	329.	16.00	317.	282.	209.	464.48	
+	HYDROGRAPH AT	14	115.	15.00	97.	45.	15.	9.03	
+	ROUTED TO	PB	86.	17.00	83.	45.	15.	9.03	
+									1672.85 17.00
+	HYDROGRAPH AT	IA	16.	14.00	13.	6.	2.	1.17	
+	2 COMBINED AT	IA	100.	16.00	95.	51.	17.	10.20	
+	ROUTED TO	IB	88.	18.00	85.	51.	17.	10.20	
+									1639.02 18.00
+	HYDROGRAPH AT	LA	10.	14.00	8.	4.	1.	.69	
+	ROUTED TO	LB	10.	15.00	8.	4.	1.	.69	
+									1734.98 15.00
+	HYDROGRAPH AT	NA	64.	15.00	53.	24.	8.	4.33	
+	ROUTED TO	NB	55.	17.00	49.	24.	8.	4.33	
+									60.34 17.00
+	HYDROGRAPH AT	SA	64.	15.00	53.	24.	8.	4.34	
+	4 COMBINED AT	CP1	210.	16.00	187.	102.	35.	19.56	
+	HYDROGRAPH AT	CP4A	717.	16.00	607.	295.	100.	62.87	
+	HYDROGRAPH AT	SEATA	39.	15.00	33.	15.	5.	3.01	
+	3 COMBINED AT	CP4	964.	16.00	826.	412.	140.	85.44	
+	2 COMBINED AT	COMB	1294.	16.00	1107.	580.	311.	549.92	
+	HYDROGRAPH AT	15B	17.	15.00	14.	7.	2.	4.27	
+	HYDROGRAPH AT	15B1	39.	15.00	33.	15.	5.	4.27	

SJR_2yr.out

+	2 COMBINED AT	15B7	56.	15.00	48.	22.	7.	8.54		
+	2 COMBINED AT	H	1348.	16.00	1153.	602.	318.	558.46		
+	ROUTED TO	H-I	1073.	19.00	1021.	595.	316.	558.46		
+	HYDROGRAPH AT	15A	343.	15.00	288.	139.	47.	28.11		
+	2 COMBINED AT	I	1299.	17.00	1220.	722.	358.	586.57		
+	ROUTED TO	I-J	1298.	17.00	1219.	722.	358.	586.57		
+	HYDROGRAPH AT	17	1201.	16.00	1027.	571.	219.	123.91		
+	HYDROGRAPH AT	16	292.	16.00	249.	130.	46.	26.04		
+	3 COMBINED AT	J(US)	2745.	16.00	2424.	1418.	615.	736.52		
+	ROUTED TO	J(DS)	1388.	23.00	1355.	1038.	570.	736.52	1383.61	23.00
+										

*** 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