WATERSHED MANAGEMENT LIBRARY

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AND

CITY OF PHOENIX

UPPER EAST FORK CAVE CREEK BENEFIT COST ANALYSIS PARADISE VALLEY PARK DETENTION BASIN

PREPARED BY

NBS/LOWRY
ENGINEERS & PLANNERS

APPENDIX A

OCTOBER 1989

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******************80-80 LIST OF INPUT DATA FOR TR-20 HYDROLOGY******************

JOB TR-20                                          SUMMARY   NOPLOTS
TITLE 000 EAST FORK CAVE CREEK - BENEFIT COST ANALYSIS - EXISTING CONDITIONS
TITLE 000 JOB NUMBER:  P81-194-015  FILENAME: BENEXIST.DAT  *NO DETENTION*
 5 RAINFL 1            .0208
 8         0.          .004        .008        .0130       .018
 8         .022        .026        .031        .035        .04
 8         .044        .048        .053        .057        .062
 8         .066        .071        .075        .080        .093
 8         .107        .120        .140        .170        .500
 8         .830        .860        .880        .893        .907
 8         .920        .924        .928        .933        .937
 8         .942        .947        .951        .956        .960
 8         .964        .969        .973        .978        .982
 8         .987        .991        .995        1.00        1.00
 9 ENDTBL
 6 RUNOFF 1 012       5 .07        77.         .42
 6 REACH  3 029   5   6 3800.      .04         1.66
 6 RUNOFF 1 029       7 .25        78.         1.03
 6 ADDHYD 4 029   6 7 5
 6 REACH  3 033   5   7 2600.      .38         1.54
 6 RUNOFF 1 030       5 .25        79.         .97
 6 REACH  3 033   5   6 3800.      .03         1.66
 6 ADDHYD 4 033   7 6 5
 6 RUNOFF 1 033       7 .234       77.         1.14
 6 ADDHYD 4 033   5 7 6                                   1 1   1
 6 REACH  3 092   6   5 3000.      .08         1.66
 6 RUNOFF 1 092       6 .125       86.         .47
 6 ADDHYD 4 092   5 6 7
 6 RUNOFF 1 093       5 .195       84.         .45         1 1   1
 6 REACH  3 092   5   6 1320.      .08         1.66
 6 ADDHYD 4 092   6 7 5
 6 REACH  3 098   5   4 2500.      .08         1.66
 6 RUNOFF 1 031       5 .084       77.         .58
 6 REACH  3 032   5   6 3400.      .03         1.66
 6 RUNOFF 1 032       5 .18        77.         .93
 6 ADDHYD 4 032   5 6 7
 6 REACH  3 094   7   6 3200.      .09         1.66
 6 RUNOFF 1 094       5 .139       84.         .34
 6 ADDHYD 4 094   5 6 7
 6 REACH  3 095   7   6 2400.      .09         1.66
 6 RUNOFF 1 095       5 .125       86.         .98
 6 ADDHYD 4 095   5 6 7                                   1 1   1
 6 REACH  3 098   7   6 3000.      .08         1.66
 6 ADDHYD 4 098   4 6 5
 6 RUNOFF 1 096       6 .125       82.         .51         1 1   1
 6 REACH  3 097   6   7 2100.      .08         1.66
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**********************80-80 LIST OF INPUT DATA (CONTINUED)**********************

 6 RUNOFF 1 097       4 .188        87.         .53
 6 ADDHYD 4 097   4 7 6
 6 REACH  3 098   6   7 1000.       .08         1.66
 6 ADDHYD 4 098   5 7 4
 6 RUNOFF 1 098       5 .094        86.         .37
 6 ADDHYD 4 098   4 5 6
   ENDATA
 7 INCREM 6             .08
 7 COMPUT 7 012   096              2.53        24.         1 2  01  01
   ENDCMP 1
 7 COMPUT 7 012   096              3.57        24.         1 2  01  02
   ENDCMP 1
 7 COMPUT 7 012   096              4.04        24.         1 2  01  03
   ENDCMP 1
 7 COMPUT 7 012   096              5.07        24.         1 2  01  04
   ENDCMP 1
   ENDJOB 2
JOB TR-20                                        SUMMARY   NOPLOTS
TITLE 000 EAST FORK CAVE CREEK - BENEFIT COST ANALYSIS - EXISTING CONDITIONS
TITLE 000 JOB NUMBER:  P81-194-015  FILENAME: BENEXIST.DAT  *WITH DETENTION*
 5 RAINFL 1             .0208
 8          0.          .004        .008        .0130       .018
 8          .022        .026        .031        .035        .04
 8          .044        .048        .053        .057        .062
 8          .066        .071        .075        .080        .093
 8          .107        .120        .140        .170        .500
 8          .830        .860        .880        .893        .907
 8          .920        .924        .928        .933        .937
 8          .942        .947        .951        .956        .960
 8          .964        .969        .973        .978        .982
 8          .987        .991        .995        1.00        1.00
 9 ENDTBL
 3 STRUCT      33
 8                      1462.       0.          0.
 8                      1464.       21.         1.38
 8                      1465.       44.         3.5
 8                      1466.       68.         6.91
 8                      1467.       86.         12.
 8                      1468.       95.         18.53
 8                      1469.       102.        26.3
 8                      1470.       108.        35.6
 9 ENDTBL
 6 RUNOFF 1 012       5 .07         77.         .42
 6 REACH  3 029   5   6 3800.       .04         1.66
 6 RUNOFF 1 029       5 .25         78.         1.03
 6 ADDHYD 4 029   5 6 7
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**********************80-80 LIST OF INPUT DATA (CONTINUED)**********************

 6 REACH  3 033   7   6 2640.       7.53        1.25
 6 RUNOFF 1 033       5 .234        77.         1.14
 6 ADDHYD 4 033   5 6 7
 6 RUNOFF 1 030       5 .25         79.         .97
 6 REACH  3 033   5   6 3000.       6.29        1.25
 6 ADDHYD 4 033   6 7 5
 6 RESVOR 2    33 5   4 1458.
 6 DIVERT 6 033   4 7 5 114.                    92.          1 1   1
 6 REACH  3 093   7   6 2640.       5.24        1.25
 6 RUNOFF 1 093       5 .195        84.         .45
 6 ADDHYD 4 093   5 6 7
 6 DIVERT 6 093   7 5 2 149.                    92.          1 1   1
 6 REACH  3 092   2   6 1320.       .08         1.66
 6 RUNOFF 1 092       4 .125        86.         .47
 6 ADDHYD 4 092   4 6 7
 6 REACH  3 098   7   2 2500.       .08         1.66
 6 REACH  3 095   5   4 1320.       6.26        1.25
 6 RUNOFF 1 031       5 .084        77.         .58
 6 REACH  3 032   5   6 3400.       .03         1.66
 6 RUNOFF 1 032       5 .18         77.         .93
 6 ADDHYD 4 032   5 6 7
 6 REACH  3 094   7   6 3200.       .09         1.66
 6 RUNOFF 1 094       5 .139        84.         .34
 6 ADDHYD 4 094   5 6 7
 6 REACH  3 095   7   6 2400.       .09         1.66
 6 RUNOFF 1 095       5 .125        86.         .98
 6 ADDHYD 4 095   5 6 7
 6 ADDHYD 4 095   4 7 5
 6 DIVERT 6 095   5 7 4 165.                    98.          1 1   1
 6 REACH  3 098   4   5 3000.       .08         1.66
 6 ADDHYD 4 098   2 5 4
 6 REACH  3 096   7   6 1320.       6.26        1.25
 6 RUNOFF 1 096       5 .125        82.         .51
 6 ADDHYD 4 096   5 6 7
 6 DIVERT 6 096   7 5 6 185.                    97.          1 1   1
   ENDATA
 7 INCREM 6             .08
 7 COMPUT 7 012   096              2.53        24.        1 2  01  01
   ENDCMP 1
 7 COMPUT 7 012   096              3.57        24.        1 2  01  02
   ENDCMP 1
 7 COMPUT 7 012   096              4.04        24.        1 2  01  03
   ENDCMP 1
 7 COMPUT 7 012   096              5.07        24.        1 2  01  04
   ENDCMP 1
   ENDJOB 2
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**********80-80 LIST OF INPUT DATA (CONTINUED)**********

**********END OF 80-80 LIST**********

EXECUTIVE CONTROL OPERATION INCREM MAIN TIME INCREMENT = .08 HOURS RECORD ID

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 12 TO XSECTION 96 RECORD ID
STARTING TIME = .00 RAIN DEPTH = 2.53 RAIN DURATION= 24.00 RAIN TABLE NO.= 1 ANT. MOIST. COND= 2
ALTERNATE NO.= 1 STORM NO.= 1 MAIN TIME INCREMENT = .08 HOURS

*** WARNING REACH 29 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH ***

OPERATION ADDHYD CROSS SECTION 33

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.16	164.68	(NULL)

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .80 SQ.MI.

11.20	DISCHG	.00	.00	.00	.00	.00	.01	.07	.33	.99	2.37
12.00	DISCHG	4.85	8.90	14.93	23.28	34.04	47.17	62.50	79.45	97.19	114.75
12.80	DISCHG	130.97	144.66	154.92	161.42	164.36	164.23	161.56	156.88	150.81	143.80
13.60	DISCHG	136.40	129.17	122.30	115.60	109.04	102.66	96.51	90.66	85.18	80.06
14.40	DISCHG	75.30	70.89	66.84	63.13	59.75	56.66	53.83	51.23	48.83	46.59
15.20	DISCHG	44.49	42.48	40.52	38.59	36.67	34.77	32.91	31.10	29.35	27.68
16.00	DISCHG	26.11	24.64	23.30	22.07	20.95	19.93	18.99	18.15	17.37	16.67
16.80	DISCHG	16.02	15.42	14.86	14.33	13.84	13.38	12.95	12.56	12.21	11.89
17.60	DISCHG	11.62	11.37	11.16	10.97	10.80	10.65	10.51	10.37	10.24	10.11
18.40	DISCHG	9.97	9.83	9.69	9.54	9.40	9.27	9.16	9.06	8.98	8.91
19.20	DISCHG	8.85	8.80	8.75	8.69	8.62	8.55	8.46	8.38	8.28	8.19
20.00	DISCHG	8.11	8.02	7.95	7.89	7.84	7.81	7.80	7.80	7.81	7.82
20.80	DISCHG	7.84	7.84	7.84	7.83	7.81	7.78	7.75	7.73	7.72	7.73
21.60	DISCHG	7.74	7.76	7.78	7.79	7.80	7.79	7.77	7.75	7.72	7.70
22.40	DISCHG	7.69	7.68	7.69	7.71	7.73	7.75	7.76	7.76	7.75	7.73
23.20	DISCHG	7.69	7.65	7.60	7.55	7.51	7.46	7.43	7.40	7.39	7.39

RUNOFF VOLUME ABOVE BASEFLOW = .78 WATERSHED INCHES, 404.75 CFS-HRS, 33.45 ACRE-FEET; BASEFLOW = .00 CFS

OPERATION RUNOFF CROSS SECTION 93

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.54	126.61	(RUNOFF)
14.54	6.63	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .19 SQ.MI.

11.20	DISCHG	.00	.01	.04	.12	.39	2.06	6.63	15.10	27.53	41.81
12.00	DISCHG	56.51	70.50	83.47	95.30	105.73	115.08	123.40	126.39	119.17	100.34
12.80	DISCHG	76.73	55.57	40.23	31.10	24.67	19.92	16.54	14.06	12.34	11.24
13.60	DISCHG	10.34	9.42	8.50	7.69	7.10	6.77	6.58	6.50	6.51	6.54

14.40	DISCHG	6.59	6.62	6.63	6.60	6.53	6.45	6.37	6.32	6.19	5.84
15.20	DISCHG	5.13	4.29	3.51	2.95	2.59	2.35	2.20	2.10	2.04	2.00
16.00	DISCHG	1.98	1.98	2.03	2.12	2.20	2.28	2.32	2.34	2.31	2.24
16.80	DISCHG	2.16	2.08	2.03	2.01	2.03	2.10	2.18	2.26	2.32	2.36
17.60	DISCHG	2.38	2.40	2.41	2.42	2.42	2.42	2.40	2.34	2.25	2.16
18.40	DISCHG	2.09	2.04	2.03	2.06	2.13	2.22	2.29	2.35	2.37	2.35
19.20	DISCHG	2.28	2.19	2.12	2.06	2.02	2.00	1.98	1.97	1.97	1.97
20.00	DISCHG	1.97	1.99	2.05	2.15	2.24	2.32	2.36	2.37	2.34	2.27
20.80	DISCHG	2.18	2.11	2.06	2.04	2.06	2.13	2.22	2.30	2.36	2.38
21.60	DISCHG	2.38	2.31	2.23	2.15	2.09	2.05	2.05	2.10	2.18	2.27
22.40	DISCHG	2.34	2.38	2.40	2.36	2.28	2.19	2.12	2.07	2.04	2.02
23.20	DISCHG	2.00	2.00	1.99	1.99	1.99	2.03	2.11	2.20	2.29	2.36

RUNOFF VOLUME ABOVE BASEFLOW = 1.13 WATERSHED INCHES, 142.26 CFS-HRS, 11.76 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 32 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH ***

OPERATION ADDHYD CROSS SECTION 95

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.80	155.12	(NULL)

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .53 SQ.MI.

10.40	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02
11.20	DISCHG	.05	.08	.13	.19	.33	.66	1.42	3.21	7.21	14.22
12.00	DISCHG	24.29	36.84	51.12	66.44	82.22	98.05	113.55	128.15	141.32	151.50
12.80	DISCHG	155.12	151.13	141.97	130.98	120.21	110.38	101.67	93.94	87.16	81.39
13.60	DISCHG	76.45	72.02	67.90	63.95	60.15	56.58	53.31	50.32	47.61	45.17
14.40	DISCHG	42.97	40.99	39.20	37.55	36.03	34.61	33.27	32.03	30.86	29.77
15.20	DISCHG	28.70	27.55	26.25	24.86	23.49	22.20	21.02	19.95	18.97	18.07
16.00	DISCHG	17.26	16.53	15.85	15.24	14.69	14.20	13.77	13.36	12.99	12.62
16.80	DISCHG	12.26	11.89	11.52	11.17	10.85	10.55	10.29	10.07	9.89	9.73
17.60	DISCHG	9.58	9.44	9.30	9.17	9.05	8.92	8.80	8.68	8.55	8.41
18.40	DISCHG	8.25	8.08	7.91	7.76	7.63	7.53	7.46	7.41	7.38	7.34
19.20	DISCHG	7.29	7.23	7.14	7.03	6.91	6.80	6.69	6.60	6.50	6.42
20.00	DISCHG	6.35	6.28	6.22	6.17	6.16	6.16	6.18	6.21	6.22	6.23
20.80	DISCHG	6.20	6.15	6.08	6.01	5.95	5.90	5.87	5.87	5.90	5.93
21.60	DISCHG	5.96	5.98	5.98	5.95	5.90	5.84	5.78	5.72	5.69	5.69
22.40	DISCHG	5.71	5.75	5.79	5.82	5.84	5.83	5.79	5.74	5.68	5.62
23.20	DISCHG	5.57	5.52	5.48	5.44	5.41	5.39	5.37	5.37	5.40	5.45

RUNOFF VOLUME ABOVE BASEFLOW = .95 WATERSHED INCHES, 324.52 CFS-HRS, 26.82 ACRE-FEET; BASEFLOW = .00 CFS

OPERATION RUNOFF CROSS SECTION 96

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.58	70.81	(RUNOFF)
14.54	3.99	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .13 SQ.MI.

11.20	DISCHG	.00	.00	.00	.00	.05	.43	1.77	4.79	9.98	16.88
12.00	DISCHG	24.78	32.99	41.03	48.64	55.63	62.02	67.52	70.72	69.38	62.00
12.80	DISCHG	50.84	39.43	29.73	22.72	17.93	14.52	11.94	10.03	8.63	7.63
13.60	DISCHG	6.89	6.23	5.61	5.07	4.62	4.29	4.09	3.99	3.96	3.96
14.40	DISCHG	3.97	3.99	3.99	3.98	3.95	3.91	3.87	3.83	3.76	3.59
15.20	DISCHG	3.25	2.82	2.37	1.99	1.73	1.55	1.42	1.34	1.28	1.24
16.00	DISCHG	1.22	1.21	1.23	1.26	1.31	1.35	1.38	1.40	1.39	1.36
16.80	DISCHG	1.32	1.28	1.25	1.23	1.23	1.26	1.30	1.34	1.38	1.41
17.60	DISCHG	1.43	1.44	1.45	1.46	1.46	1.46	1.45	1.43	1.38	1.33
18.40	DISCHG	1.29	1.25	1.24	1.25	1.28	1.32	1.36	1.40	1.42	1.42
19.20	DISCHG	1.39	1.35	1.30	1.26	1.24	1.22	1.21	1.20	1.20	1.19
20.00	DISCHG	1.19	1.20	1.23	1.28	1.33	1.37	1.41	1.42	1.42	1.38
20.80	DISCHG	1.34	1.30	1.26	1.25	1.25	1.28	1.32	1.37	1.41	1.43
21.60	DISCHG	1.43	1.41	1.37	1.33	1.29	1.26	1.25	1.27	1.31	1.35
22.40	DISCHG	1.40	1.43	1.44	1.43	1.40	1.35	1.31	1.27	1.25	1.23
23.20	DISCHG	1.22	1.22	1.21	1.21	1.21	1.22	1.26	1.31	1.36	1.41

RUNOFF VOLUME ABOVE BASEFLOW = 1.01 WATERSHED INCHES, 81.59 CFS-HRS, 6.74 ACRE-FEET; BASEFLOW = .00 CFS

EXECUTIVE CONTROL OPERATION ENDCMP COMPUTATIONS COMPLETED FOR PASS 1 RECORD ID

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 12 TO XSECTION 96 RECORD ID
STARTING TIME = .00 RAIN DEPTH = 3.57 RAIN DURATION= 24.00 RAIN TABLE NO.= 1 ANT. MOIST. COND= 2
ALTERNATE NO.= 1 STORM NO.= 2 MAIN TIME INCREMENT = .08 HOURS

*** WARNING REACH 29 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH ***

OPERATION ADDHYD CROSS SECTION 33

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.11	366.04	(NULL)

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .80 SQ.MI.

11.20	DISCHG	.00	.00	.00	.00	.04	.24	.93	2.59	5.86	11.58
12.00	DISCHG	20.67	33.87	51.66	74.27	101.45	132.76	167.50	204.35	241.52	277.08
12.80	DISCHG	308.95	334.93	353.34	363.56	365.96	361.50	351.39	337.00	319.82	300.86
13.60	DISCHG	281.17	261.84	243.43	225.88	209.29	193.69	179.07	165.50	153.02	141.59
14.40	DISCHG	131.17	121.72	113.17	105.48	98.57	92.38	86.81	81.79	77.23	73.06

15.20	DISCHG	69.21	65.58	62.10	58.71	55.37	52.07	48.85	45.71	42.71	39.87
16.00	DISCHG	37.21	34.76	32.53	30.52	28.71	27.10	25.66	24.39	23.26	22.26
16.80	DISCHG	21.37	20.55	19.80	19.11	18.47	17.87	17.33	16.85	16.43	16.07
17.60	DISCHG	15.76	15.51	15.31	15.14	15.01	14.90	14.80	14.71	14.62	14.52
18.40	DISCHG	14.40	14.27	14.12	13.96	13.81	13.66	13.53	13.43	13.36	13.31
19.20	DISCHG	13.28	13.26	13.23	13.19	13.14	13.07	12.97	12.87	12.75	12.64
20.00	DISCHG	12.52	12.41	12.32	12.24	12.19	12.17	12.18	12.21	12.27	12.33
20.80	DISCHG	12.40	12.45	12.48	12.49	12.48	12.46	12.44	12.42	12.42	12.44
21.60	DISCHG	12.48	12.53	12.58	12.63	12.66	12.66	12.65	12.62	12.58	12.55
22.40	DISCHG	12.53	12.54	12.56	12.59	12.64	12.69	12.72	12.73	12.72	12.69
23.20	DISCHG	12.63	12.56	12.48	12.39	12.31	12.23	12.16	12.11	12.09	12.09

RUNOFF VOLUME ABOVE BASEFLOW = 1.51 WATERSHED INCHES, 784.41 CFS-HRS, 64.82 ACRE-FEET; BASEFLOW = .00 CFS

OPERATION RUNOFF CROSS SECTION 93

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.53	213.06	(RUNOFF)
14.53	10.47	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .19 SQ.MI.

9.60	DISCHG	.00	.00	.00	.00	.00	.00	.00	.01	.04	.08
10.40	DISCHG	.14	.21	.29	.41	.56	.74	.94	1.14	1.36	1.64
11.20	DISCHG	2.02	2.48	2.96	3.43	4.48	9.61	21.98	42.02	67.43	93.61
12.00	DISCHG	118.03	139.30	158.00	174.27	187.96	199.81	210.03	211.86	197.64	165.28
12.80	DISCHG	125.89	90.91	65.60	50.51	39.91	32.10	26.56	22.51	19.70	17.91
13.60	DISCHG	16.44	14.97	13.49	12.20	11.25	10.73	10.42	10.28	10.29	10.35
14.40	DISCHG	10.42	10.46	10.47	10.42	10.30	10.17	10.05	9.96	9.76	9.21
15.20	DISCHG	8.08	6.76	5.53	4.65	4.07	3.70	3.47	3.31	3.21	3.15
16.00	DISCHG	3.11	3.12	3.20	3.33	3.47	3.58	3.66	3.68	3.63	3.52
16.80	DISCHG	3.39	3.28	3.19	3.16	3.19	3.29	3.43	3.55	3.64	3.71
17.60	DISCHG	3.74	3.77	3.78	3.79	3.80	3.80	3.76	3.67	3.53	3.39
18.40	DISCHG	3.27	3.20	3.18	3.23	3.34	3.48	3.60	3.68	3.71	3.68
19.20	DISCHG	3.57	3.44	3.31	3.22	3.17	3.13	3.11	3.09	3.08	3.08
20.00	DISCHG	3.08	3.12	3.21	3.36	3.50	3.62	3.69	3.72	3.67	3.55
20.80	DISCHG	3.41	3.29	3.22	3.19	3.22	3.33	3.47	3.59	3.68	3.73
21.60	DISCHG	3.71	3.62	3.48	3.35	3.26	3.20	3.20	3.28	3.41	3.55
22.40	DISCHG	3.65	3.72	3.74	3.68	3.56	3.42	3.31	3.23	3.18	3.15
23.20	DISCHG	3.13	3.11	3.10	3.10	3.11	3.16	3.28	3.43	3.57	3.68

RUNOFF VOLUME ABOVE BASEFLOW = 1.98 WATERSHED INCHES, 249.50 CFS-HRS, 20.62 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 32 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH ***

OPERATION ADDHYD CROSS SECTION 95

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.79	292.91	(NULL)
19.04	9.86	(NULL)

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .53 SQ.MI.

9.60	DISCHG	.00	.00	.01	.02	.04	.06	.09	.12	.16	.21
10.40	DISCHG	.27	.35	.44	.54	.66	.80	.99	1.21	1.45	1.72
11.20	DISCHG	2.02	2.37	2.82	3.34	4.02	5.13	7.23	12.27	23.21	40.81
12.00	DISCHG	63.67	89.68	117.20	145.14	172.82	199.84	225.81	250.04	271.80	288.29
12.80	DISCHG	292.71	283.58	266.02	246.28	227.64	210.89	195.88	182.19	169.75	158.74
13.60	DISCHG	148.98	140.09	131.80	123.84	116.20	109.00	102.30	96.08	90.34	85.07
14.40	DISCHG	80.24	75.82	71.75	68.00	64.52	61.29	58.28	55.48	52.90	50.49
15.20	DISCHG	48.18	45.76	43.12	40.37	37.71	35.25	33.00	30.97	29.12	27.43
16.00	DISCHG	25.90	24.51	23.24	22.09	21.08	20.19	19.40	18.67	17.99	17.35
16.80	DISCHG	16.71	16.07	15.45	14.87	14.33	13.85	13.44	13.11	12.85	12.62
17.60	DISCHG	12.42	12.23	12.06	11.89	11.74	11.60	11.46	11.32	11.18	10.99
18.40	DISCHG	10.78	10.56	10.35	10.16	10.01	9.91	9.87	9.86	9.86	9.86
19.20	DISCHG	9.84	9.79	9.69	9.56	9.42	9.29	9.17	9.06	8.97	8.88
20.00	DISCHG	8.79	8.72	8.67	8.64	8.66	8.72	8.81	8.89	8.95	8.99
20.80	DISCHG	8.99	8.94	8.86	8.77	8.70	8.65	8.64	8.68	8.76	8.84
21.60	DISCHG	8.92	8.98	9.00	8.97	8.90	8.82	8.74	8.68	8.65	8.67
22.40	DISCHG	8.73	8.81	8.89	8.96	9.01	9.00	8.95	8.87	8.79	8.71
23.20	DISCHG	8.64	8.57	8.51	8.46	8.42	8.38	8.36	8.37	8.43	8.53

RUNOFF VOLUME ABOVE BASEFLOW = 1.74 WATERSHED INCHES, 593.79 CFS-HRS, 49.07 ACRE-FEET; BASEFLOW = .00 CFS

OPERATION RUNOFF CROSS SECTION 96

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.56	123.52	(RUNOFF)
14.54	6.45	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .13 SQ.MI.

10.40	DISCHG	.00	.00	.00	.00	.01	.03	.07	.12	.21	.32
11.20	DISCHG	.47	.65	.87	1.11	1.66	3.58	8.43	17.16	29.38	43.42
12.00	DISCHG	57.75	71.30	83.69	94.83	104.58	113.17	120.22	123.51	119.47	105.78
12.80	DISCHG	86.25	66.60	50.05	38.11	29.95	24.14	19.78	16.53	14.17	12.50
13.60	DISCHG	11.24	10.15	9.13	8.23	7.49	6.95	6.62	6.46	6.41	6.40
14.40	DISCHG	6.42	6.44	6.45	6.42	6.37	6.30	6.23	6.17	6.06	5.77
15.20	DISCHG	5.23	4.53	3.82	3.21	2.78	2.49	2.29	2.15	2.06	2.00
16.00	DISCHG	1.96	1.95	1.97	2.03	2.10	2.17	2.22	2.25	2.24	2.19
16.80	DISCHG	2.12	2.06	2.00	1.97	1.97	2.01	2.08	2.15	2.21	2.26
17.60	DISCHG	2.29	2.31	2.32	2.33	2.34	2.34	2.33	2.28	2.21	2.13
18.40	DISCHG	2.06	2.01	1.98	1.99	2.04	2.11	2.18	2.24	2.27	2.27
19.20	DISCHG	2.22	2.15	2.08	2.02	1.98	1.95	1.93	1.92	1.91	1.91
20.00	DISCHG	1.91	1.92	1.97	2.04	2.12	2.19	2.25	2.27	2.26	2.21
20.80	DISCHG	2.14	2.07	2.02	1.99	2.00	2.04	2.11	2.18	2.24	2.28

21.60	DISCHG	2.28	2.25	2.18	2.11	2.05	2.00	1.99	2.02	2.08	2.15
22.40	DISCHG	2.22	2.27	2.29	2.28	2.22	2.15	2.08	2.03	1.99	1.96
23.20	DISCHG	1.95	1.93	1.93	1.92	1.92	1.95	2.00	2.08	2.16	2.23

RUNOFF VOLUME ABOVE BASEFLOW = 1.83 WATERSHED INCHES, 147.35 CFS-HRS, 12.18 ACRE-FEET; BASEFLOW = .00 CFS

EXECUTIVE CONTROL OPERATION ENDCMP COMPUTATIONS COMPLETED FOR PASS 2 RECORD ID

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 12 TO XSECTION 96 RECORD ID
STARTING TIME = .00 RAIN DEPTH = 4.04 RAIN DURATION= 24.00 RAIN TABLE NO.= 1 ANT. MOIST. COND= 2
ALTERNATE NO.= 1 STORM NO.= 3 MAIN TIME INCREMENT = .08 HOURS

*** WARNING REACH 29 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH ***

OPERATION ADDHYD CROSS SECTION 33

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.10	470.68	(NULL)

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .80 SQ.MI.

11.20	DISCHG	.00	.01	.04	.10	.26	.78	2.12	4.94	10.14	18.80
12.00	DISCHG	32.01	50.57	74.90	105.07	140.65	181.04	225.38	272.05	318.81	363.20
12.80	DISCHG	402.63	434.43	456.57	468.37	470.38	463.84	450.21	430.94	407.62	381.51
13.60	DISCHG	354.25	327.56	302.39	278.70	256.56	235.96	216.84	199.24	183.17	168.56
14.40	DISCHG	155.31	143.35	132.59	122.95	114.36	106.71	99.87	93.74	88.23	83.23
15.20	DISCHG	78.62	74.32	70.22	66.23	62.31	58.46	54.69	51.05	47.55	44.24
16.00	DISCHG	41.14	38.27	35.67	33.34	31.27	29.44	27.83	26.42	25.18	24.10
16.80	DISCHG	23.15	22.29	21.50	20.79	20.13	19.52	18.98	18.49	18.07	17.72
17.60	DISCHG	17.43	17.21	17.03	16.90	16.81	16.74	16.69	16.64	16.59	16.52
18.40	DISCHG	16.43	16.31	16.17	16.02	15.87	15.73	15.60	15.50	15.44	15.40
19.20	DISCHG	15.38	15.37	15.36	15.33	15.29	15.22	15.13	15.03	14.91	14.77
20.00	DISCHG	14.64	14.52	14.41	14.32	14.27	14.25	14.27	14.32	14.39	14.48
20.80	DISCHG	14.56	14.63	14.68	14.71	14.71	14.69	14.67	14.66	14.66	14.69
21.60	DISCHG	14.73	14.79	14.85	14.90	14.94	14.95	14.94	14.92	14.88	14.84
22.40	DISCHG	14.82	14.82	14.84	14.89	14.94	14.99	15.03	15.05	15.04	15.01
23.20	DISCHG	14.94	14.86	14.76	14.66	14.55	14.44	14.36	14.30	14.27	14.27

RUNOFF VOLUME ABOVE BASEFLOW = 1.87 WATERSHED INCHES, 972.61 CFS-HRS, 80.38 ACRE-FEET; BASEFLOW = .00 CFS

OPERATION RUNOFF CROSS SECTION 93

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.52	253.10	(RUNOFF)
14.53	12.21	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .19 SQ.MI.

9.60	DISCHG	.00	.01	.04	.08	.16	.25	.36	.46	.57	.67
10.40	DISCHG	.77	.87	1.00	1.18	1.43	1.72	2.02	2.30	2.58	2.97
11.20	DISCHG	3.51	4.16	4.82	5.43	6.85	13.77	30.16	56.05	87.81	119.61
12.00	DISCHG	148.40	172.76	193.79	211.77	226.65	239.35	250.19	251.28	233.69	195.04
12.80	DISCHG	148.40	107.07	77.19	59.37	46.85	37.64	31.11	26.35	23.04	20.93
13.60	DISCHG	19.20	17.48	15.74	14.24	13.12	12.52	12.16	12.00	12.01	12.07
14.40	DISCHG	12.15	12.20	12.21	12.15	12.01	11.86	11.72	11.61	11.38	10.73
15.20	DISCHG	9.42	7.87	6.44	5.42	4.75	4.31	4.04	3.86	3.74	3.67
16.00	DISCHG	3.62	3.63	3.73	3.88	4.04	4.17	4.26	4.29	4.23	4.10
16.80	DISCHG	3.95	3.81	3.72	3.67	3.71	3.83	3.99	4.13	4.24	4.31
17.60	DISCHG	4.36	4.38	4.40	4.42	4.42	4.42	4.38	4.27	4.11	3.94
18.40	DISCHG	3.81	3.72	3.70	3.76	3.89	4.05	4.18	4.28	4.32	4.28
19.20	DISCHG	4.16	4.00	3.86	3.75	3.68	3.64	3.61	3.60	3.59	3.58
20.00	DISCHG	3.58	3.63	3.74	3.91	4.07	4.21	4.30	4.32	4.26	4.12
20.80	DISCHG	3.97	3.83	3.74	3.71	3.75	3.88	4.03	4.18	4.28	4.33
21.60	DISCHG	4.32	4.20	4.05	3.90	3.79	3.72	3.72	3.81	3.96	4.12
22.40	DISCHG	4.25	4.32	4.34	4.27	4.13	3.98	3.84	3.75	3.69	3.66
23.20	DISCHG	3.63	3.62	3.61	3.60	3.61	3.68	3.81	3.99	4.15	4.27

RUNOFF VOLUME ABOVE BASEFLOW = 2.39 WATERSHED INCHES, 300.78 CFS-HRS, 24.86 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 32 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH ***

OPERATION ADDHYD CROSS SECTION 95

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.72	358.85	(NULL)
19.10	11.06	(NULL)

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .53 SQ.MI.

8.80	DISCHG	.00	.00	.00	.00	.00	.00	.01	.01	.03	.04
9.60	DISCHG	.07	.10	.15	.21	.30	.41	.53	.67	.81	.96
10.40	DISCHG	1.10	1.24	1.39	1.56	1.76	2.02	2.33	2.67	3.03	3.41
11.20	DISCHG	3.87	4.46	5.15	5.90	6.81	8.60	13.94	26.65	47.59	74.95
12.00	DISCHG	105.99	138.75	172.06	205.20	237.72	269.35	299.77	328.00	350.44	358.84
12.80	DISCHG	351.34	333.48	312.45	292.03	273.09	255.38	238.61	222.72	207.94	194.57
13.60	DISCHG	182.43	171.07	160.16	149.63	139.58	130.16	121.41	113.29	105.83	98.99
14.40	DISCHG	92.74	87.03	81.81	77.03	72.63	68.58	64.86	61.46	58.37	55.45
15.20	DISCHG	52.46	49.26	45.94	42.75	39.79	37.09	34.63	32.40	30.37	28.51
16.00	DISCHG	26.82	25.30	23.93	22.73	21.68	20.75	19.91	19.14	18.42	17.72
16.80	DISCHG	17.02	16.35	15.72	15.14	14.63	14.20	13.87	13.61	13.39	13.20
17.60	DISCHG	13.03	12.88	12.75	12.63	12.51	12.41	12.31	12.20	12.04	11.85

18.40	DISCHG	11.64	11.44	11.26	11.11	11.02	10.99	11.00	11.02	11.05	11.06
19.20	DISCHG	11.03	10.95	10.83	10.70	10.58	10.46	10.35	10.25	10.16	10.07
20.00	DISCHG	10.00	9.94	9.90	9.93	10.01	10.10	10.21	10.30	10.36	10.37
20.80	DISCHG	10.33	10.26	10.18	10.10	10.04	10.03	10.08	10.16	10.26	10.36
21.60	DISCHG	10.43	10.47	10.45	10.39	10.31	10.22	10.15	10.11	10.13	10.19
22.40	DISCHG	10.28	10.37	10.46	10.52	10.52	10.47	10.39	10.30	10.22	10.14
23.20	DISCHG	10.06	9.99	9.93	9.87	9.82	9.78	9.79	9.85	9.95	10.07

RUNOFF VOLUME ABOVE BASEFLOW = 2.13 WATERSHED INCHES, 725.18 CFS-HRS, 59.93 ACRE-FEET; BASEFLOW = .00 CFS

OPERATION RUNOFF CROSS SECTION 96

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.55	148.27	(RUNOFF)
14.53	7.56	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .13 SQ.MI.

9.60	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02
10.40	DISCHG	.05	.08	.13	.20	.29	.40	.53	.66	.81	.99
11.20	DISCHG	1.23	1.52	1.83	2.18	2.96	5.65	12.31	23.96	39.68	57.17
12.00	DISCHG	74.49	90.41	104.65	117.24	128.05	137.46	145.03	148.20	142.78	126.09
12.80	DISCHG	102.63	79.16	59.43	45.21	35.49	28.56	23.37	19.52	16.71	14.72
13.60	DISCHG	13.23	11.94	10.73	9.67	8.80	8.16	7.77	7.58	7.52	7.51
14.40	DISCHG	7.53	7.56	7.56	7.53	7.47	7.39	7.31	7.24	7.10	6.77
15.20	DISCHG	6.14	5.31	4.47	3.76	3.25	2.92	2.68	2.52	2.41	2.34
16.00	DISCHG	2.30	2.28	2.31	2.38	2.46	2.54	2.60	2.63	2.62	2.57
16.80	DISCHG	2.49	2.41	2.34	2.31	2.31	2.36	2.44	2.52	2.59	2.64
17.60	DISCHG	2.68	2.70	2.72	2.73	2.74	2.74	2.72	2.67	2.59	2.50
18.40	DISCHG	2.41	2.35	2.32	2.33	2.39	2.47	2.55	2.62	2.66	2.65
19.20	DISCHG	2.60	2.52	2.44	2.37	2.31	2.28	2.26	2.25	2.24	2.23
20.00	DISCHG	2.23	2.25	2.30	2.39	2.48	2.57	2.63	2.66	2.64	2.58
20.80	DISCHG	2.50	2.42	2.36	2.33	2.34	2.39	2.47	2.55	2.62	2.66
21.60	DISCHG	2.67	2.63	2.55	2.47	2.39	2.34	2.33	2.36	2.43	2.52
22.40	DISCHG	2.60	2.65	2.68	2.66	2.60	2.51	2.43	2.37	2.32	2.29
23.20	DISCHG	2.27	2.26	2.25	2.24	2.25	2.27	2.34	2.43	2.53	2.61

RUNOFF VOLUME ABOVE BASEFLOW = 2.22 WATERSHED INCHES, 179.16 CFS-HRS, 14.81 ACRE-FEET; BASEFLOW = .00 CFS

EXECUTIVE CONTROL OPERATION ENDCMP COMPUTATIONS COMPLETED FOR PASS 3 RECORD ID

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 12 TO XSECTION 96 RECORD ID
STARTING TIME = .00 RAIN DEPTH = 5.07 RAIN DURATION= 24.00 RAIN TABLE NO.= 1 ANT. MOIST. COND= 2
ALTERNATE NO.= 1 STORM NO.= 4 MAIN TIME INCREMENT = .08 HOURS

*** WARNING REACH 29 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH ***

OPERATION ADDHYD CROSS SECTION 33

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.06	723.76	(NULL)
18.25	21.43	(NULL)
19.38	20.34	(NULL)
22.98	20.20	(NULL)

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .80 SQ.MI.

10.40	DISCHG	.00	.00	.01	.04	.09	.18	.30	.48	.72	1.04
11.20	DISCHG	1.46	1.97	2.61	3.38	4.45	6.27	9.70	15.87	26.30	42.80
12.00	DISCHG	67.00	99.88	141.65	191.89	249.56	313.38	381.88	452.52	521.85	586.15
12.80	DISCHG	641.62	684.52	712.03	723.31	719.39	702.51	675.23	639.95	599.11	554.67
13.60	DISCHG	509.16	465.30	424.57	386.88	352.17	320.31	291.11	264.57	240.66	219.21
14.40	DISCHG	200.01	182.90	167.71	154.31	142.53	132.19	123.08	115.05	107.92	101.52
15.20	DISCHG	95.71	90.32	85.20	80.22	75.30	70.44	65.68	61.05	56.63	52.45
16.00	DISCHG	48.55	44.96	41.72	38.87	36.38	34.22	32.36	30.76	29.40	28.24
16.80	DISCHG	27.23	26.35	25.55	24.83	24.17	23.56	23.02	22.54	22.15	21.83
17.60	DISCHG	21.60	21.44	21.35	21.31	21.31	21.34	21.38	21.41	21.43	21.42
18.40	DISCHG	21.36	21.27	21.13	20.97	20.79	20.63	20.49	20.38	20.32	20.30
19.20	DISCHG	20.31	20.33	20.34	20.34	20.30	20.23	20.12	19.98	19.82	19.65
20.00	DISCHG	19.47	19.30	19.15	19.04	18.97	18.96	18.99	19.08	19.20	19.34
20.80	DISCHG	19.48	19.59	19.67	19.72	19.72	19.70	19.67	19.65	19.65	19.68
21.60	DISCHG	19.74	19.83	19.92	20.00	20.06	20.08	20.07	20.02	19.97	19.91
22.40	DISCHG	19.87	19.87	19.90	19.95	20.03	20.11	20.17	20.20	20.18	20.13
23.20	DISCHG	20.04	19.92	19.77	19.61	19.45	19.30	19.17	19.08	19.04	19.05

RUNOFF VOLUME ABOVE BASEFLOW = 2.72 WATERSHED INCHES, 1409.01 CFS-HRS, 116.44 ACRE-FEET; BASEFLOW = .00 CFS

OPERATION RUNOFF CROSS SECTION 93

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.51	340.19	(RUNOFF)
14.53	16.01	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .19 SQ.MI.

8.00	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
8.80	DISCHG	.02	.03	.05	.08	.12	.21	.34	.49	.65	.81
9.60	DISCHG	.98	1.17	1.36	1.55	1.74	1.93	2.10	2.25	2.39	2.51
10.40	DISCHG	2.63	2.77	2.94	3.26	3.74	4.28	4.82	5.29	5.75	6.40
11.20	DISCHG	7.32	8.42	9.51	10.47	12.77	23.99	49.92	89.51	135.79	180.11
12.00	DISCHG	218.32	249.04	274.69	295.95	312.98	327.16	338.99	338.18	313.02	260.45
12.80	DISCHG	197.82	142.54	102.61	78.79	62.05	49.77	41.07	34.74	30.34	27.53
13.60	DISCHG	25.24	22.96	20.67	18.69	17.23	16.43	15.95	15.74	15.75	15.83

14.40	DISCHG	15.93	15.99	16.00	15.92	15.74	15.53	15.35	15.21	14.90	14.06
15.20	DISCHG	12.33	10.31	8.43	7.09	6.21	5.64	5.28	5.05	4.89	4.80
16.00	DISCHG	4.74	4.75	4.87	5.07	5.28	5.45	5.57	5.61	5.53	5.37
16.80	DISCHG	5.16	4.99	4.86	4.80	4.86	5.01	5.22	5.41	5.55	5.64
17.60	DISCHG	5.69	5.73	5.76	5.77	5.78	5.78	5.73	5.58	5.37	5.15
18.40	DISCHG	4.98	4.86	4.83	4.91	5.08	5.29	5.46	5.59	5.64	5.59
19.20	DISCHG	5.43	5.22	5.04	4.90	4.81	4.76	4.72	4.70	4.68	4.67
20.00	DISCHG	4.68	4.73	4.88	5.10	5.32	5.50	5.61	5.64	5.56	5.38
20.80	DISCHG	5.18	5.00	4.88	4.84	4.89	5.06	5.26	5.45	5.58	5.65
21.60	DISCHG	5.63	5.48	5.28	5.09	4.94	4.85	4.85	4.97	5.17	5.37
22.40	DISCHG	5.54	5.64	5.66	5.57	5.39	5.18	5.01	4.89	4.81	4.77
23.20	DISCHG	4.73	4.71	4.70	4.69	4.70	4.79	4.97	5.20	5.41	5.57

RUNOFF VOLUME ABOVE BASEFLOW = 3.31 WATERSHED INCHES, 416.94 CFS-HRS, 34.46 ACRE-FEET; BASEFLOW = .00 CFS

OPERATION ADDHYD CROSS SECTION 95

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.72	517.69	(NULL)
19.13	14.19	(NULL)

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .53 SQ.MI.

7.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.01	.01	.02
8.00	DISCHG	.03	.04	.05	.06	.07	.08	.10	.11	.12	.13
8.80	DISCHG	.15	.17	.19	.23	.27	.33	.43	.58	.75	.95
9.60	DISCHG	1.17	1.41	1.66	1.92	2.19	2.46	2.72	2.98	3.21	3.43
10.40	DISCHG	3.64	3.83	4.03	4.27	4.61	5.08	5.64	6.24	6.84	7.50
11.20	DISCHG	8.31	9.36	10.60	11.94	13.51	16.56	25.83	47.52	81.77	124.41
12.00	DISCHG	170.60	217.60	264.19	309.80	354.14	397.11	438.43	476.87	507.27	517.68
12.80	DISCHG	506.03	481.01	452.93	426.48	402.16	379.04	356.45	334.17	312.50	291.86
13.60	DISCHG	272.16	253.03	234.26	216.00	198.59	182.36	167.39	153.71	141.30	130.12
14.40	DISCHG	120.08	111.08	103.02	95.81	89.31	83.45	78.20	73.54	69.38	65.55
15.20	DISCHG	61.66	57.51	53.26	49.24	45.57	42.28	39.32	36.65	34.23	32.02
16.00	DISCHG	30.01	28.19	26.57	25.16	23.95	22.90	21.97	21.12	20.35	19.59
16.80	DISCHG	18.85	18.14	17.49	16.91	16.42	16.04	15.78	15.61	15.48	15.38
17.60	DISCHG	15.29	15.22	15.16	15.11	15.08	15.05	15.02	14.96	14.84	14.67
18.40	DISCHG	14.47	14.27	14.10	13.97	13.92	13.94	14.01	14.08	14.15	14.19
19.20	DISCHG	14.17	14.07	13.93	13.78	13.64	13.51	13.40	13.29	13.19	13.10
20.00	DISCHG	13.01	12.94	12.91	12.96	13.08	13.22	13.36	13.48	13.57	13.59
20.80	DISCHG	13.53	13.44	13.34	13.25	13.19	13.20	13.29	13.42	13.56	13.69
21.60	DISCHG	13.79	13.84	13.80	13.70	13.59	13.48	13.39	13.35	13.38	13.48
22.40	DISCHG	13.61	13.74	13.85	13.91	13.91	13.83	13.71	13.59	13.48	13.38
23.20	DISCHG	13.29	13.20	13.12	13.04	12.97	12.92	12.92	13.01	13.14	13.29

RUNOFF VOLUME ABOVE BASEFLOW = 3.01 WATERSHED INCHES, 1024.99 CFS-HRS, 84.71 ACRE-FEET; BASEFLOW = .00 CFS

OPERATION RUNOFF CROSS SECTION 96

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.54	203.49	(RUNOFF)
14.53	10.01	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .13 SQ.MI.

8.80	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	.01	.04
9.60	DISCHG	.08	.14	.22	.31	.40	.50	.60	.70	.79	.88
10.40	DISCHG	.96	1.04	1.15	1.29	1.50	1.75	2.02	2.28	2.54	2.86
11.20	DISCHG	3.29	3.82	4.38	4.96	6.31	10.87	21.90	40.49	64.39	89.75
12.00	DISCHG	113.70	134.69	152.73	168.19	181.05	191.96	200.43	203.09	194.45	171.01
12.80	DISCHG	138.84	106.89	80.13	60.86	47.68	38.29	31.27	26.07	22.28	19.59
13.60	DISCHG	17.59	15.85	14.24	12.82	11.66	10.81	10.29	10.04	9.95	9.94
14.40	DISCHG	9.97	10.00	10.00	9.97	9.88	9.77	9.66	9.57	9.39	8.94
15.20	DISCHG	8.11	7.02	5.91	4.96	4.30	3.85	3.54	3.33	3.19	3.09
16.00	DISCHG	3.03	3.01	3.05	3.14	3.25	3.36	3.44	3.47	3.46	3.38
16.80	DISCHG	3.28	3.18	3.09	3.04	3.05	3.11	3.22	3.32	3.42	3.49
17.60	DISCHG	3.53	3.56	3.59	3.60	3.61	3.61	3.59	3.52	3.41	3.29
18.40	DISCHG	3.18	3.10	3.06	3.08	3.15	3.26	3.36	3.45	3.50	3.49
19.20	DISCHG	3.42	3.32	3.21	3.12	3.05	3.01	2.98	2.96	2.94	2.93
20.00	DISCHG	2.94	2.96	3.03	3.14	3.26	3.38	3.46	3.50	3.48	3.40
20.80	DISCHG	3.29	3.19	3.10	3.06	3.07	3.14	3.25	3.36	3.45	3.50
21.60	DISCHG	3.51	3.45	3.36	3.25	3.15	3.08	3.06	3.10	3.20	3.31
22.40	DISCHG	3.41	3.49	3.52	3.50	3.41	3.30	3.20	3.11	3.05	3.01
23.20	DISCHG	2.99	2.97	2.96	2.95	2.95	2.99	3.08	3.20	3.32	3.43

RUNOFF VOLUME ABOVE BASEFLOW = 3.12 WATERSHED INCHES, 251.71 CFS-HRS, 20.80 ACRE-FEET; BASEFLOW = .00 CFS

EXECUTIVE CONTROL OPERATION ENDCMP COMPUTATIONS COMPLETED FOR PASS 4 RECORD ID

EXECUTIVE CONTROL OPERATION ENDJOB RECORD ID

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION BEGIN (HR)	PRECIPITATION AMOUNT (IN)	PRECIPITATION DURATION (HR)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 1 STORM 1													
XSECTION 12	RUNOFF	.07	1	2	.08	.0	2.53	24.00	.75	---	12.56	32.53	464.7
XSECTION 29	REACH	.07	1	2	.08	.0	2.53	24.00	.71	---	13.92	8.75	125.0
XSECTION 29	RUNOFF	.25	1	2	.08	.0	2.53	24.00	.79	---	12.88	81.24	325.0
XSECTION 29	ADDHYD	.32	1	2	.08	.0	2.53	24.00	.77	---	12.89	81.61	255.0
XSECTION 33	REACH	.32	1	2	.08	.0	2.53	24.00	.77	---	13.11	75.77	236.8
XSECTION 30	RUNOFF	.25	1	2	.08	.0	2.53	24.00	.84	---	12.84	89.50	358.0
XSECTION 33	REACH	.25	1	2	.08	.0	2.53	24.00	.82	---	13.77	51.61	206.4
XSECTION 33	ADDHYD	.57	1	2	.08	.0	2.53	24.00	.79	---	13.35	108.47	190.3
XSECTION 33	RUNOFF	.23	1	2	.08	.0	2.53	24.00	.74	---	12.96	66.54	284.3
XSECTION 33	ADDHYD	.80	1	2	.08	.0	2.53	24.00	.78	---	13.16	164.68	204.8
XSECTION 92	REACH	.80	1	2	.08	.0	2.53	24.00	.78	---	13.51	148.56	184.8
XSECTION 92	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.26	---	12.54	87.51	700.1
XSECTION 92	ADDHYD	.93	1	2	.08	.0	2.53	24.00	.84	---	13.47	156.86	168.9
XSECTION 93	RUNOFF	.19	1	2	.08	.0	2.53	24.00	1.13	---	12.54	126.61	649.3
XSECTION 92	REACH	.19	1	2	.08	.0	2.53	24.00	1.13	---	12.69	118.72	608.8
XSECTION 92	ADDHYD	1.12	1	2	.08	.0	2.53	24.00	.89	---	12.69	245.66	218.6
XSECTION 98	REACH	1.12	1	2	.08	.0	2.53	24.00	.88	---	13.00	222.43	197.9
XSECTION 31	RUNOFF	.08	1	2	.08	.0	2.53	24.00	.75	---	12.63	34.54	411.2
XSECTION 32	REACH	.08	1	2	.08	.0	2.53	24.00	.71	---	14.09	10.41	124.0
XSECTION 32	RUNOFF	.18	1	2	.08	.0	2.53	24.00	.75	---	12.83	58.61	325.6
XSECTION 32	ADDHYD	.26	1	2	.08	.0	2.53	24.00	.73	---	12.83	58.74	222.5
XSECTION 94	REACH	.26	1	2	.08	.0	2.53	24.00	.73	---	13.29	44.11	167.1
XSECTION 94	RUNOFF	.14	1	2	.08	.0	2.53	24.00	1.13	---	12.51	94.72	681.5
XSECTION 94	ADDHYD	.40	1	2	.08	.0	2.53	24.00	.87	---	12.54	106.76	264.9
XSECTION 95	REACH	.40	1	2	.08	.0	2.53	24.00	.86	---	12.80	89.00	220.8
XSECTION 95	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.25	---	12.80	66.12	529.0
XSECTION 95	ADDHYD	.53	1	2	.08	.0	2.53	24.00	.95	---	12.80	155.12	293.8
XSECTION 98	REACH	.53	1	2	.08	.0	2.53	24.00	.95	---	13.08	130.71	247.6
XSECTION 98	ADDHYD	1.65	1	2	.08	.0	2.53	24.00	.90	---	13.03	351.89	213.0
XSECTION 96	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.01	---	12.58	70.81	566.5
ALTERNATE 1 STORM 2													
XSECTION 12	RUNOFF	.07	1	2	.08	.0	3.57	24.00	1.47	---	12.54	60.86	869.5

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION BEGIN (HR)	PRECIPITATION AMOUNT (IN)	PRECIPITATION DURATION (HR)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 1 STORM 2													
XSECTION 29	REACH	.07	1	2	.08	.0	3.57	24.00	1.42	---	13.62	26.04	372.0
XSECTION 29	RUNOFF	.25	1	2	.08	.0	3.57	24.00	1.53	---	12.85	157.42	629.7
XSECTION 29	ADDHYD	.32	1	2	.08	.0	3.57	24.00	1.51	---	12.88	163.07	509.6
XSECTION 33	REACH	.32	1	2	.08	.0	3.57	24.00	1.50	---	13.06	156.39	488.7
XSECTION 30	RUNOFF	.25	1	2	.08	.0	3.57	24.00	1.60	---	12.81	169.84	679.4
XSECTION 33	REACH	.25	1	2	.08	.0	3.57	24.00	1.57	---	13.51	112.76	451.1
XSECTION 33	ADDHYD	.57	1	2	.08	.0	3.57	24.00	1.53	---	13.24	249.84	438.3
XSECTION 33	RUNOFF	.23	1	2	.08	.0	3.57	24.00	1.46	---	12.92	132.17	564.8
XSECTION 33	ADDHYD	.80	1	2	.08	.0	3.57	24.00	1.51	---	13.11	366.04	455.3
XSECTION 92	REACH	.80	1	2	.08	.0	3.57	24.00	1.51	---	13.37	343.57	427.3
XSECTION 92	RUNOFF	.13	1	2	.08	.0	3.57	24.00	2.15	---	12.53	143.49	1147.9
XSECTION 92	ADDHYD	.93	1	2	.08	.0	3.57	24.00	1.59	---	13.33	359.85	387.3
XSECTION 93	RUNOFF	.19	1	2	.08	.0	3.57	24.00	1.98	---	12.53	213.06	1092.6
XSECTION 92	REACH	.19	1	2	.08	.0	3.57	24.00	1.98	---	12.73	205.00	1051.3
XSECTION 92	ADDHYD	1.12	1	2	.08	.0	3.57	24.00	1.66	---	12.79	493.48	439.0
XSECTION 98	REACH	1.12	1	2	.08	.0	3.57	24.00	1.65	---	12.99	471.88	419.8
XSECTION 31	RUNOFF	.08	1	2	.08	.0	3.57	24.00	1.47	---	12.60	65.99	785.6
XSECTION 32	REACH	.08	1	2	.08	.0	3.57	24.00	1.42	---	13.69	30.42	362.2
XSECTION 32	RUNOFF	.18	1	2	.08	.0	3.57	24.00	1.46	---	12.79	115.16	639.8
XSECTION 32	ADDHYD	.26	1	2	.08	.0	3.57	24.00	1.45	---	12.83	120.32	455.8
XSECTION 94	REACH	.26	1	2	.08	.0	3.57	24.00	1.44	---	13.16	101.29	383.7
XSECTION 94	RUNOFF	.14	1	2	.08	.0	3.57	24.00	1.99	---	12.49	157.60	1133.8
XSECTION 94	ADDHYD	.40	1	2	.08	.0	3.57	24.00	1.63	---	12.55	203.78	505.7
XSECTION 95	REACH	.40	1	2	.08	.0	3.57	24.00	1.62	---	12.79	181.30	449.9
XSECTION 95	RUNOFF	.13	1	2	.08	.0	3.57	24.00	2.13	---	12.78	111.65	893.2
XSECTION 95	ADDHYD	.53	1	2	.08	.0	3.57	24.00	1.74	---	12.79	292.91	554.8
XSECTION 98	REACH	.53	1	2	.08	.0	3.57	24.00	1.74	---	13.02	261.85	495.9
XSECTION 98	ADDHYD	1.65	1	2	.08	.0	3.57	24.00	1.68	---	13.01	733.03	443.7
XSECTION 96	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.83	---	12.56	123.52	988.2
ALTERNATE 1 STORM 3													
XSECTION 12	RUNOFF	.07	1	2	.08	.0	4.04	24.00	1.83	---	12.53	74.48	1064.0
XSECTION 29	REACH	.07	1	2	.08	.0	4.04	24.00	1.78	---	13.43	36.59	522.7
XSECTION 29	RUNOFF	.25	1	2	.08	.0	4.04	24.00	1.89	---	12.84	194.89	779.6
XSECTION 29	ADDHYD	.32	1	2	.08	.0	4.04	24.00	1.87	---	12.88	210.66	658.3
XSECTION 33	REACH	.32	1	2	.08	.0	4.04	24.00	1.86	---	13.06	203.67	636.5
XSECTION 30	RUNOFF	.25	1	2	.08	.0	4.04	24.00	1.97	---	12.80	208.97	835.9

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION BEGIN (HR)	PRECIPITATION AMOUNT (IN)	PRECIPITATION DURATION (HR)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 1 STORM 3													
XSECTION 33	REACH	.25	1	2	.08	.0	4.04	24.00	1.94	---	13.47	144.54	578.2
XSECTION 33	ADDHYD	.57	1	2	.08	.0	4.04	24.00	1.90	---	13.22	325.85	571.7
XSECTION 33	RUNOFF	.23	1	2	.08	.0	4.04	24.00	1.81	---	12.91	164.77	704.2
XSECTION 33	ADDHYD	.80	1	2	.08	.0	4.04	24.00	1.87	---	13.10	470.68	585.4
XSECTION 92	REACH	.80	1	2	.08	.0	4.04	24.00	1.87	---	13.34	446.66	555.5
XSECTION 92	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.57	---	12.52	169.21	1353.7
XSECTION 92	ADDHYD	.93	1	2	.08	.0	4.04	24.00	1.96	---	13.30	466.87	502.5
XSECTION 93	RUNOFF	.19	1	2	.08	.0	4.04	24.00	2.39	---	12.52	253.10	1297.9
XSECTION 92	REACH	.19	1	2	.08	.0	4.04	24.00	2.39	---	12.64	245.25	1257.7
XSECTION 92	ADDHYD	1.12	1	2	.08	.0	4.04	24.00	2.04	---	12.72	609.23	542.0
XSECTION 98	REACH	1.12	1	2	.08	.0	4.04	24.00	2.03	---	12.91	582.07	517.9
XSECTION 31	RUNOFF	.08	1	2	.08	.0	4.04	24.00	1.82	---	12.59	81.11	965.6
XSECTION 32	REACH	.08	1	2	.08	.0	4.04	24.00	1.78	---	13.56	42.52	506.2
XSECTION 32	RUNOFF	.18	1	2	.08	.0	4.04	24.00	1.82	---	12.78	143.06	794.8
XSECTION 32	ADDHYD	.26	1	2	.08	.0	4.04	24.00	1.81	---	12.84	154.88	586.7
XSECTION 94	REACH	.26	1	2	.08	.0	4.04	24.00	1.80	---	13.15	134.41	509.1
XSECTION 94	RUNOFF	.14	1	2	.08	.0	4.04	24.00	2.39	---	12.49	186.62	1342.6
XSECTION 94	ADDHYD	.40	1	2	.08	.0	4.04	24.00	2.00	---	12.55	251.01	622.9
XSECTION 95	REACH	.40	1	2	.08	.0	4.04	24.00	2.00	---	12.71	226.94	563.1
XSECTION 95	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.55	---	12.77	132.85	1062.8
XSECTION 95	ADDHYD	.53	1	2	.08	.0	4.04	24.00	2.13	---	12.72	358.85	679.6
XSECTION 98	REACH	.53	1	2	.08	.0	4.04	24.00	2.12	---	12.96	325.77	617.0
XSECTION 98	ADDHYD	1.65	1	2	.08	.0	4.04	24.00	2.06	---	12.93	906.38	548.7
XSECTION 96	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.22	---	12.55	148.27	1186.2
ALTERNATE 1 STORM 4													
XSECTION 12	RUNOFF	.07	1	2	.08	.0	5.07	24.00	2.66	---	12.52	105.26	1503.7
XSECTION 29	REACH	.07	1	2	.08	.0	5.07	24.00	2.61	---	13.37	64.31	918.7
XSECTION 29	RUNOFF	.25	1	2	.08	.0	5.07	24.00	2.74	---	12.82	280.74	1123.0
XSECTION 29	ADDHYD	.32	1	2	.08	.0	5.07	24.00	2.71	---	12.88	312.64	977.0
XSECTION 33	REACH	.32	1	2	.08	.0	5.07	24.00	2.70	---	13.04	305.18	953.7
XSECTION 30	RUNOFF	.25	1	2	.08	.0	5.07	24.00	2.83	---	12.78	298.17	1192.7
XSECTION 33	REACH	.25	1	2	.08	.0	5.07	24.00	2.80	---	13.34	219.73	878.9
XSECTION 33	ADDHYD	.57	1	2	.08	.0	5.07	24.00	2.75	---	13.16	506.13	888.0
XSECTION 33	RUNOFF	.23	1	2	.08	.0	5.07	24.00	2.64	---	12.89	240.03	1025.8
XSECTION 33	ADDHYD	.80	1	2	.08	.0	5.07	24.00	2.72	---	13.06	723.76	900.2
XSECTION 92	REACH	.80	1	2	.08	.0	5.07	24.00	2.71	---	13.27	695.54	865.1

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION BEGIN (HR)	PRECIPITATION AMOUNT (IN)	PRECIPITATION DURATION (HR)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 1 STORM 4													
XSECTION 92	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.51	---	12.51	224.95	1799.6
XSECTION 92	ADDHYD	.93	1	2	.08	.0	5.07	24.00	2.82	---	13.22	726.98	782.5
XSECTION 93	RUNOFF	.19	1	2	.08	.0	5.07	24.00	3.31	---	12.51	340.19	1744.6
XSECTION 92	REACH	.19	1	2	.08	.0	5.07	24.00	3.31	---	12.63	334.37	1714.7
XSECTION 92	ADDHYD	1.12	1	2	.08	.0	5.07	24.00	2.90	---	12.74	916.70	815.6
XSECTION 98	REACH	1.12	1	2	.08	.0	5.07	24.00	2.89	---	12.91	888.04	790.1
XSECTION 31	RUNOFF	.08	1	2	.08	.0	5.07	24.00	2.66	---	12.58	115.86	1379.3
XSECTION 32	REACH	.08	1	2	.08	.0	5.07	24.00	2.61	---	13.34	71.68	853.3
XSECTION 32	RUNOFF	.18	1	2	.08	.0	5.07	24.00	2.65	---	12.77	207.19	1151.0
XSECTION 32	ADDHYD	.26	1	2	.08	.0	5.07	24.00	2.64	---	12.84	244.89	927.6
XSECTION 94	REACH	.26	1	2	.08	.0	5.07	24.00	2.63	---	13.12	221.40	838.6
XSECTION 94	RUNOFF	.14	1	2	.08	.0	5.07	24.00	3.32	---	12.48	250.68	1803.5
XSECTION 94	ADDHYD	.40	1	2	.08	.0	5.07	24.00	2.87	---	12.55	365.85	907.8
XSECTION 95	REACH	.40	1	2	.08	.0	5.07	24.00	2.86	---	12.71	338.58	840.1
XSECTION 95	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.49	---	12.76	179.85	1438.8
XSECTION 95	ADDHYD	.53	1	2	.08	.0	5.07	24.00	3.01	---	12.72	517.69	980.5
XSECTION 98	REACH	.53	1	2	.08	.0	5.07	24.00	3.00	---	12.93	480.47	910.0
XSECTION 98	ADDHYD	1.65	1	2	.08	.0	5.07	24.00	2.93	---	12.92	1368.82	828.6
XSECTION 96	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.12	---	12.54	203.49	1627.9

SUMMARY TABLE 2 - SELECTED MODIFIED ATT-KIN REACH ROUTINGS IN ORDER OF STANDARD EXECUTIVE CONTROL INSTRUCTIONS
(A STAR(*) AFTER VOLUME ABOVE BASE(IN) INDICATES A HYDROGRAPH TRUNCATED AT A VALUE EXCEEDING BASE + 10% OF PEAK
A QUESTION MARK(?) AFTER COEFF.(C) INDICATES PARAMETERS OUTSIDE ACCEPTABLE LIMITS, SEE PREVIOUS WARNINGS)

		HYDROGRAPH INFORMATION							ROUTING PARAMETERS										PEAK	
		INFLOW		OUTFLOW		OUTFLOW+ INTERV.AREA						Q AND A EQUATION						TRAVEL TIME	
XSEC ID	REACH LENGTH (FT)	PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)	BASE-FLOW (CFS)	VOLUME ABOVE BASE (IN)	MAIN TIME INCR (HR)	ITER-ATION #	COEFF (X)	POWER (M)	LENGTH FACTOR (K*)	PEAK RATIO O/I (Q*)	S/Q @PEAK (K) (SEC)	ATT-KIN COEFF (C)	STOR-AGE (HR)	KINE-MATIC (HR)
ALTERNATE	1	STORM	1																
29	3800	33	12.6	9	13.9	82	12.9	0	.75	.08	1	.040	1.66	2.554	.269	7217	.04?	.48	1.37
33	2600	82	12.9	76	13.1	---	---	0	.77	.08	1	.380	1.54	.052	.929	676	.35	.24	.19
33	3800	89	12.8	52	13.8	108	13.4	0	.84	.08	1	.030	1.66	.931	.579	3176	.09	.56	.98
92	3000	164	13.1	149	13.5	157	13.4	0	.78	.08	1	.080	1.66	.071	.904	1088	.23	.40	.31
92	1320	126	12.6	118	12.7	---	---	0	1.13	.08	1	.080	1.66	.080	.934	532	.43	.16	.15
98	2500	245	12.7	222	13.0	---	---	0	.89	.08	1	.080	1.66	.036	.905	774	.31	.16	.22
32	3400	35	12.6	10	14.1	59	12.8	0	.75	.08	1	.030	1.66	2.229	.302	6940	.04?	.56	1.41
94	3200	59	12.8	44	13.3	106	12.6	0	.73	.08	1	.090	1.66	.177	.753	1630	.16	.40	.48
95	2400	106	12.6	89	12.8	155	12.8	0	.87	.08	1	.090	1.66	.075	.837	965	.26	.16	.28
98	3000	155	12.8	130	13.1	---	---	0	.95	.08	1	.080	1.66	.097	.841	1114	.23	.32	.32
ALTERNATE	1	STORM	2																
29	3800	61	12.6	26	13.6	163	12.9	0	1.47	.08	1	.040	1.66	1.565	.429	4210	.07?	.32	1.00
33	2600	163	12.9	156	13.0	---	---	0	1.51	.08	1	.380	1.54	.038	.958	530	.43	.16	.15
33	3800	170	12.8	113	13.5	249	13.2	0	1.60	.08	1	.030	1.66	.615	.664	2457	.11	.48	.74
92	3000	366	13.1	344	13.4	359	13.4	0	1.51	.08	1	.080	1.66	.053	.939	792	.31	.24	.22
92	1320	212	12.6	205	12.7	---	---	0	1.98	.08	1	.080	1.66	.053	.967	433	.50	.08	.12
98	2500	493	12.8	471	13.0	---	---	0	1.66	.08	1	.080	1.66	.026	.955	586	.39	.16	.16
32	3400	66	12.6	30	13.7	120	12.8	0	1.47	.08	1	.030	1.66	1.390	.464	4026	.07?	.40	1.02
94	3200	120	12.8	101	13.2	203	12.6	0	1.45	.08	1	.090	1.66	.117	.843	1226	.21	.40	.35
95	2400	203	12.6	181	12.8	293	12.8	0	1.63	.08	1	.090	1.66	.050	.891	745	.32	.16	.21
98	3000	293	12.8	262	13.0	---	---	0	1.74	.08	1	.080	1.66	.067	.894	865	.29	.24	.25
ALTERNATE	1	STORM	3																
29	3800	74	12.6	37	13.4	211	12.9	0	1.83	.08	1	.040	1.66	1.331	.494	3503	.08?	.32	.91
33	2600	211	12.9	204	13.0	---	---	0	1.87	.08	1	.380	1.54	.035	.966	485	.46	.16	.14
33	3800	209	12.8	144	13.4	326	13.2	0	1.97	.08	1	.030	1.66	.535	.691	2263	.12	.40	.67
92	3000	470	13.1	446	13.4	467	13.3	0	1.87	.08	1	.080	1.66	.048	.949	717	.33	.24	.20
92	1320	251	12.6	245	12.6	---	---	0	2.39	.08	1	.080	1.66	.046	.976	405	.53	.08	.11
98	2500	609	12.7	581	12.9	---	---	0	2.04	.08	1	.080	1.66	.023	.953	539	.42	.16	.15
32	3400	81	12.6	42	13.5	154	12.8	0	1.82	.08	1	.030	1.66	1.193	.525	3346	.08?	.40	.92
94	3200	154	12.8	134	13.1	251	12.6	0	1.81	.08	1	.090	1.66	.104	.869	1109	.23	.32	.32
95	2400	251	12.6	227	12.7	359	12.7	0	2.00	.08	1	.090	1.66	.044	.904	686	.35	.16	.19
98	3000	359	12.7	326	13.0	---	---	0	2.13	.08	1	.080	1.66	.059	.908	798	.31	.24	.23

SUMMARY TABLE 2 - SELECTED MODIFIED ATT-KIN REACH ROUTINGS IN ORDER OF STANDARD EXECUTIVE CONTROL INSTRUCTIONS
(A STAR(*) AFTER VOLUME ABOVE BASE(IN) INDICATES A HYDROGRAPH TRUNCATED AT A VALUE EXCEEDING BASE + 10% OF PEAK
A QUESTION MARK(?) AFTER COEFF.(C) INDICATES PARAMETERS OUTSIDE ACCEPTABLE LIMITS, SEE PREVIOUS WARNINGS)

		HYDROGRAPH INFORMATION							ROUTING PARAMETERS									PEAK TRAVEL TIME	
		INFLOW		OUTFLOW		OUTFLOW+ INTERV.AREA						Q AND A EQUATION							
XSEC ID	REACH LENGTH (FT)	PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)	BASE-FLOW (CFS)	VOLUME ABOVE BASE (IN)	MAIN TIME INCR (HR)	ITER-ATION #	COEFF (X)	POWER (M)	LENGTH FACTOR (K*)	PEAK RATIO O/I (Q*)	S/Q @PEAK (K) (SEC)	ATT-KIN COEFF (C)	STOR-AGE (HR)	KINE-MATIC (HR)
ALTERNATE		1	STORM	4															
29	3800	104	12.6	64	13.4	313	12.9	0	2.66	.08	1	.040	1.66	1.005	.616	2517	.11?	.24	.76
33	2600	313	12.9	305	13.0	---	---	0	2.71	.08	1	.380	1.54	.029	.976	422	.51	.16	.12
33	3800	298	12.8	220	13.4	505	13.1	0	2.83	.08	1	.030	1.66	.419	.737	1965	.14	.40	.58
92	3000	723	13.0	695	13.3	726	13.2	0	2.72	.08	1	.080	1.66	.040	.961	604	.39	.24	.17
92	1320	339	12.5	334	12.6	---	---	0	3.31	.08	1	.080	1.66	.036	.985	359	.57	.16	.10
98	2500	916	12.7	887	12.9	---	---	0	2.90	.08	1	.080	1.66	.019	.968	458	.48	.16	.13
32	3400	116	12.6	72	13.4	244	12.9	0	2.66	.08	1	.030	1.66	.916	.619	2561	.11	.40	.78
94	3200	244	12.9	221	13.1	366	12.6	0	2.64	.08	1	.090	1.66	.088	.907	924	.27	.24	.26
95	2400	366	12.6	338	12.7	518	12.7	0	2.87	.08	1	.090	1.66	.035	.925	590	.39	.16	.17
98	3000	518	12.7	480	13.0	---	---	0	3.01	.08	1	.080	1.66	.048	.926	690	.35	.24	.19

SUMMARY TABLE 3 - DISCHARGE (CFS) AT XSECTIONS AND STRUCTURES FOR ALL STORMS AND ALTERNATES

XSECTION/ STRUCTURE ID	DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 1	2	3	4
XSECTION 12	.07				
ALTERNATE 1		32.53	60.86	74.48	105.26
XSECTION 29	.32				
ALTERNATE 1		81.61	163.07	210.66	312.64
XSECTION 30	.25				
ALTERNATE 1		89.50	169.84	208.97	298.17
XSECTION 31	.08				
ALTERNATE 1		34.54	65.99	81.11	115.86
XSECTION 32	.26				
ALTERNATE 1		58.74	120.32	154.88	244.89
XSECTION 33	.80				
ALTERNATE 1		164.68	366.04	470.68	723.76
XSECTION 92	1.12				
ALTERNATE 1		245.66	493.48	609.23	916.70
XSECTION 93	.19				
ALTERNATE 1		126.61	213.06	253.10	340.19
XSECTION 94	.40				
ALTERNATE 1		106.76	203.78	251.01	365.85
XSECTION 95	.53				
ALTERNATE 1		155.12	292.91	358.85	517.69
XSECTION 96	.13				
ALTERNATE 1		70.81	123.52	148.27	203.49
XSECTION 98	1.65				
ALTERNATE 1		351.89	733.03	906.38	1368.82

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 12 TO XSECTION 96 RECORD ID
STARTING TIME = .00 RAIN DEPTH = 2.53 RAIN DURATION= 24.00 RAIN TABLE NO.= 1 ANT. MOIST. COND= 2
ALTERNATE NO.= 1 STORM NO.= 1 MAIN TIME INCREMENT = .08 HOURS

*** WARNING REACH 29 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH ***

*** WARNING REACH 33 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 33 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION DIVERT CROSS SECTION 33

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

11.20	DISCHG	.00	.00	.00	.00	.00	.00	.01	.04	.16	.48
12.00	DISCHG	1.15	2.43	4.58	7.91	12.71	19.18	25.67	33.12	41.99	49.30
12.80	DISCHG	56.60	64.32	70.07	73.87	77.40	80.54	83.22	85.40	86.42	86.91
13.60	DISCHG	87.24	87.44	87.53	87.53	87.46	87.31	87.11	86.85	86.56	86.22
14.40	DISCHG	85.62	84.63	83.59	82.53	81.45	80.35	79.25	78.15	77.06	75.96
15.20	DISCHG	74.87	73.78	72.70	71.61	70.52	69.41	68.30	66.39	64.21	62.07
16.00	DISCHG	59.98	57.93	55.93	54.00	52.12	50.31	48.56	46.88	45.26	43.56
16.80	DISCHG	41.30	39.18	37.20	35.35	33.61	31.97	30.44	29.00	27.65	26.39
17.60	DISCHG	25.21	24.11	23.09	22.14	21.26	20.22	19.18	18.24	17.39	16.61
18.40	DISCHG	15.91	15.26	14.66	14.10	13.59	13.11	12.67	12.26	11.90	11.56
19.20	DISCHG	11.26	10.99	10.75	10.52	10.32	10.12	9.94	9.76	9.59	9.43
20.00	DISCHG	9.27	9.11	8.97	8.83	8.71	8.59	8.50	8.41	8.34	8.29
20.80	DISCHG	8.25	8.22	8.19	8.16	8.13	8.10	8.06	8.03	7.99	7.96
21.60	DISCHG	7.94	7.92	7.92	7.91	7.91	7.91	7.90	7.89	7.88	7.86
22.40	DISCHG	7.84	7.82	7.80	7.79	7.79	7.79	7.80	7.81	7.81	7.81
23.20	DISCHG	7.80	7.78	7.75	7.72	7.69	7.65	7.61	7.57	7.54	7.51

--- HYDROGRAPH FOR XSECTION 33, ALTERNATE 1, STORM 1, ADDED TO OUTPUT HYDROGRAPH FILE ---

----- HYDROGRAPH CONTAINS NO FLOW -----

RUNOFF VOLUME ABOVE BASEFLOW = .00 WATERSHED INCHES, .00 CFS-HRS, .00 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 93 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION DIVERT CROSS SECTION 93

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

11.20	DISCHG	.00	.01	.04	.12	.39	2.06	6.63	15.10	27.56	41.94
12.00	DISCHG	56.90	71.48	85.57	99.31	112.75	126.48	140.80	149.00	149.00	139.81
12.80	DISCHG	123.78	109.98	102.28	99.33	97.24	96.22	96.11	96.45	97.05	97.27

13.60	DISCHG	97.05	96.54	95.87	95.19	94.62	94.25	93.93	93.66	93.43	93.18
14.40	DISCHG	92.90	92.40	91.52	90.49	89.37	88.21	87.05	85.90	84.67	83.23
15.20	DISCHG	81.41	79.48	77.62	75.97	74.52	73.19	71.94	70.73	68.94	66.83
16.00	DISCHG	64.68	62.58	60.57	58.65	56.78	54.96	53.18	51.43	49.69	47.99
16.80	DISCHG	46.21	44.01	41.84	39.81	37.94	36.23	34.65	33.16	31.75	30.42
17.60	DISCHG	29.15	27.97	26.85	25.82	24.85	23.95	22.91	21.82	20.77	19.81
18.40	DISCHG	18.94	18.16	17.48	16.90	16.40	15.96	15.55	15.15	14.75	14.35
19.20	DISCHG	13.94	13.55	13.19	12.88	12.61	12.38	12.17	11.97	11.78	11.61
20.00	DISCHG	11.44	11.31	11.21	11.16	11.11	11.06	10.99	10.90	10.78	10.63
20.80	DISCHG	10.49	10.37	10.28	10.23	10.23	10.27	10.32	10.37	10.39	10.39
21.60	DISCHG	10.35	10.26	10.16	10.07	10.00	9.96	9.96	10.01	10.08	10.15
22.40	DISCHG	10.20	10.22	10.22	10.16	10.07	9.98	9.91	9.87	9.84	9.82
23.20	DISCHG	9.81	9.79	9.77	9.75	9.72	9.73	9.77	9.83	9.88	9.91

--- HYDROGRAPH FOR XSECTION 93, ALTERNATE 1, STORM 1, ADDED TO OUTPUT HYDROGRAPH FILE ---

*** WARNING-MAIN TIME INCREMENT MAY BE TOO LARGE.
COMPUTED PEAK(1.31) AT XSECTION 93 EXCEEDS MAX. ADJACENT HYDROGRAPH COORDINATE BY 12 %.

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 92

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .19 SQ.MI.

12.00	DISCHG	.00	.00	.00	.00	.00	.00	.00	1.17	1.15	.00

--- HYDROGRAPH FOR XSECTION 92, ALTERNATE 1, STORM 1, ADDED TO OUTPUT HYDROGRAPH FILE ---

*** WARNING REACH 92 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH ***

*** WARNING-NO PEAK FOUND, MAXIMUM DISCHARGE = .03 CFS.

*** WARNING REACH 95 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 32 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH ***

OPERATION DIVERT CROSS SECTION 95

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

10.40	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02
11.20	DISCHG	.05	.09	.17	.31	.71	2.71	8.05	18.31	34.77	56.16
12.00	DISCHG	81.19	108.31	136.68	165.00	165.00	165.00	165.00	165.00	165.00	165.00
12.80	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
13.60	DISCHG	165.00	165.00	163.77	159.14	154.77	150.83	147.24	143.98	141.04	138.35
14.40	DISCHG	135.87	133.39	130.71	128.04	125.39	122.82	120.32	117.92	115.54	113.00
15.20	DISCHG	110.12	107.03	103.86	100.83	98.01	95.39	92.96	90.68	87.91	84.90
16.00	DISCHG	81.94	79.11	76.42	73.88	71.47	69.16	66.94	64.79	62.68	60.61
16.80	DISCHG	58.47	55.90	53.37	50.98	48.79	46.78	44.94	43.23	41.64	40.15
17.60	DISCHG	38.73	37.41	36.16	34.99	33.89	32.87	31.72	30.51	29.33	28.22

18.40	DISCHG	27.18	26.24	25.39	24.66	24.03	23.49	23.01	22.56	22.13	21.69
19.20	DISCHG	21.24	20.77	20.32	19.90	19.52	19.18	18.86	18.57	18.29	18.03
20.00	DISCHG	17.79	17.58	17.43	17.33	17.27	17.22	17.18	17.11	17.01	16.86
20.80	DISCHG	16.69	16.52	16.37	16.25	16.18	16.17	16.20	16.25	16.29	16.32
21.60	DISCHG	16.31	16.24	16.14	16.02	15.90	15.80	15.73	15.73	15.77	15.84
22.40	DISCHG	15.91	15.97	16.00	15.98	15.91	15.81	15.70	15.60	15.52	15.45
23.20	DISCHG	15.38	15.32	15.25	15.19	15.14	15.11	15.14	15.20	15.28	15.36

--- HYDROGRAPH FOR XSECTION 95, ALTERNATE 1, STORM 1, ADDED TO OUTPUT HYDROGRAPH FILE ---

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 98

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .53 SQ.MI.

12.00	DISCHG	.00	.00	.00	.74	29.97	59.54	89.35	112.15	125.32	126.31
12.80	DISCHG	113.90	96.11	79.25	65.31	52.45	41.60	32.77	25.39	19.22	13.66
13.60	DISCHG	8.49	3.56	.00							

--- HYDROGRAPH FOR XSECTION 98, ALTERNATE 1, STORM 1, ADDED TO OUTPUT HYDROGRAPH FILE ---

*** WARNING REACH 96 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION DIVERT CROSS SECTION 96

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

10.40	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02
11.20	DISCHG	.05	.09	.17	.31	.76	3.14	9.82	23.10	44.75	73.04
12.00	DISCHG	105.97	141.30	177.71	185.00	185.00	185.00	185.00	185.00	185.00	185.00
12.80	DISCHG	185.00	185.00	185.00	185.00	182.93	179.52	176.94	175.03	173.63	172.63
13.60	DISCHG	171.89	171.23	169.38	164.20	159.39	155.12	151.33	147.97	145.00	142.31
14.40	DISCHG	139.85	137.38	134.71	132.02	129.34	126.72	124.19	121.76	119.30	116.58
15.20	DISCHG	113.37	109.84	106.24	102.82	99.73	96.94	94.38	92.02	89.19	86.14
16.00	DISCHG	83.16	80.32	77.65	75.15	72.78	70.51	68.33	66.19	64.07	61.97
16.80	DISCHG	59.79	57.18	54.62	52.21	50.02	48.03	46.23	44.58	43.02	41.55
17.60	DISCHG	40.16	38.85	37.61	36.44	35.36	34.33	33.17	31.93	30.71	29.55
18.40	DISCHG	28.47	27.49	26.63	25.90	25.31	24.81	24.37	23.96	23.55	23.11
19.20	DISCHG	22.63	22.12	21.63	21.17	20.76	20.40	20.07	19.77	19.49	19.22
20.00	DISCHG	18.98	18.79	18.66	18.61	18.60	18.60	18.58	18.53	18.42	18.24
20.80	DISCHG	18.03	17.82	17.63	17.50	17.43	17.45	17.52	17.61	17.70	17.75
21.60	DISCHG	17.74	17.65	17.51	17.34	17.18	17.06	16.98	17.00	17.08	17.19
22.40	DISCHG	17.31	17.40	17.44	17.41	17.31	17.16	17.01	16.88	16.77	16.68
23.20	DISCHG	16.60	16.53	16.47	16.40	16.35	16.34	16.40	16.51	16.64	16.76

--- HYDROGRAPH FOR XSECTION 96, ALTERNATE 1, STORM 1, ADDED TO OUTPUT HYDROGRAPH FILE ---

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 97

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .13 SQ.MI.

12.00	DISCHG	.00	.00	.00	28.64	35.63	42.02	47.52	50.72	49.38	42.00
12.80	DISCHG	30.84	19.43	9.73	2.72	.00					

--- HYDROGRAPH FOR XSECTION 97, ALTERNATE 1, STORM 1, ADDED TO OUTPUT HYDROGRAPH FILE ---

EXECUTIVE CONTROL OPERATION ENDCMP COMPUTATIONS COMPLETED FOR PASS 1 RECORD ID

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 12 TO XSECTION 96 RECORD ID
STARTING TIME = .00 RAIN DEPTH = 3.57 RAIN DURATION= 24.00 RAIN TABLE NO.= 1 ANT. MOIST. COND= 2
ALTERNATE NO.= 1 STORM NO.= 2 MAIN TIME INCREMENT = .08 HOURS

*** WARNING REACH 29 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH ***

*** WARNING REACH 33 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 33 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION DIVERT CROSS SECTION 33

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

11.20	DISCHG	.00	.00	.00	.00	.00	.03	.13	.44	1.19	2.72
12.00	DISCHG	5.50	10.03	16.85	24.90	34.09	45.20	54.63	65.91	73.53	80.96
12.80	DISCHG	87.18	90.50	93.87	96.41	98.43	100.27	101.90	102.94	103.79	104.50
13.60	DISCHG	105.07	105.52	105.87	106.14	106.33	106.46	106.53	106.55	106.52	106.46
14.40	DISCHG	106.37	106.25	106.11	105.95	105.78	105.59	105.39	105.18	104.96	104.73
15.20	DISCHG	104.49	104.25	104.00	103.75	103.48	103.20	102.91	102.61	102.31	101.99
16.00	DISCHG	101.54	101.08	100.61	100.14	99.66	99.19	98.71	98.23	97.75	97.27
16.80	DISCHG	96.79	96.31	95.84	95.36	94.83	94.10	93.38	92.67	91.96	91.25
17.60	DISCHG	90.55	89.86	89.17	88.49	87.81	87.15	86.49	85.57	83.92	82.31
18.40	DISCHG	80.73	79.19	77.68	76.19	74.74	73.32	71.93	70.57	69.24	67.87
19.20	DISCHG	65.38	63.00	60.74	58.57	56.50	54.52	52.63	50.81	49.07	47.40
20.00	DISCHG	45.80	44.26	42.16	40.07	38.12	36.30	34.62	33.06	31.62	30.29
20.80	DISCHG	29.06	27.93	26.87	25.88	24.96	24.10	23.30	22.54	21.84	21.18
21.60	DISCHG	20.42	19.67	19.01	18.41	17.88	17.39	16.95	16.54	16.16	15.81
22.40	DISCHG	15.48	15.20	14.94	14.72	14.52	14.36	14.22	14.09	13.97	13.85
23.20	DISCHG	13.73	13.61	13.49	13.37	13.24	13.12	13.00	12.89	12.80	12.71

--- HYDROGRAPH FOR XSECTION 33, ALTERNATE 1, STORM 2, ADDED TO OUTPUT HYDROGRAPH FILE ---

----- HYDROGRAPH CONTAINS NO FLOW -----

RUNOFF VOLUME ABOVE BASEFLOW = .00 WATERSHED INCHES, .00 CFS-HRS, .00 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 93 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 93 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 12.71 CFS, 11.93 % OF PEAK.

OPERATION DIVERT CROSS SECTION 93

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

9.60	DISCHG	.00	.00	.00	.00	.00	.00	.00	.01	.04	.08
10.40	DISCHG	.14	.21	.29	.41	.56	.74	.94	1.14	1.36	1.64
11.20	DISCHG	2.02	2.48	2.96	3.43	4.48	9.61	22.00	42.12	67.80	94.63
12.00	DISCHG	120.39	144.13	149.00	149.00	149.00	149.00	149.00	149.00	149.00	149.00
12.80	DISCHG	149.00	149.00	149.00	143.45	135.58	129.95	126.32	123.97	122.33	121.45
13.60	DISCHG	120.74	119.87	118.87	117.97	117.30	117.00	116.84	116.79	116.83	116.87
14.40	DISCHG	116.89	116.85	116.75	116.57	116.30	115.99	115.69	115.40	114.99	114.22
15.20	DISCHG	112.87	111.31	109.84	108.72	107.89	107.25	106.74	106.30	105.90	105.53
16.00	DISCHG	105.18	104.77	104.40	104.06	103.73	103.37	102.97	102.52	101.99	101.40
16.80	DISCHG	100.79	100.19	99.63	99.12	98.68	98.26	97.71	97.12	96.50	95.85
17.60	DISCHG	95.18	94.50	93.82	93.15	92.47	91.80	91.09	90.33	89.33	87.70
18.40	DISCHG	86.00	84.35	82.78	81.31	79.93	78.61	77.30	75.98	74.64	73.27
19.20	DISCHG	71.81	69.42	66.94	64.57	62.32	60.19	58.16	56.23	54.38	52.61
20.00	DISCHG	50.93	49.34	47.89	46.05	44.12	42.27	40.49	38.79	37.15	35.56
20.80	DISCHG	34.06	32.69	31.45	30.34	29.37	28.55	27.80	27.11	26.43	25.75
21.60	DISCHG	25.07	24.24	23.36	22.54	21.83	21.22	20.72	20.35	20.06	19.81
22.40	DISCHG	19.55	19.29	19.01	18.68	18.33	18.00	17.71	17.48	17.30	17.15
23.20	DISCHG	17.01	16.88	16.75	16.62	16.51	16.44	16.44	16.47	16.50	16.50

--- HYDROGRAPH FOR XSECTION 93, ALTERNATE 1, STORM 2, ADDED TO OUTPUT HYDROGRAPH FILE ---

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 92

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .19 SQ.MI.

12.00	DISCHG	.00	.00	17.94	40.46	61.82	82.54	103.40	114.91	111.64	87.59
12.80	DISCHG	55.83	27.35	6.04	.00						

--- HYDROGRAPH FOR XSECTION 92, ALTERNATE 1, STORM 2, ADDED TO OUTPUT HYDROGRAPH FILE ---

*** WARNING REACH 95 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 95 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 16.50 CFS, 11.07 % OF PEAK.

*** WARNING REACH 32 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH ***

OPERATION DIVERT CROSS SECTION 95

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

9.60	DISCHG	.00	.00	.01	.02	.04	.06	.09	.14	.20	.29
10.40	DISCHG	.41	.55	.72	.94	1.22	1.55	1.93	2.35	2.81	3.36
11.20	DISCHG	4.04	4.85	5.78	6.77	8.50	14.74	29.24	54.39	91.01	135.43
12.00	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
12.80	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
13.60	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
14.40	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	164.72
15.20	DISCHG	161.06	157.07	152.96	149.08	145.59	142.49	139.74	137.27	135.02	132.97
16.00	DISCHG	131.08	129.27	127.63	126.15	124.81	123.56	122.36	121.19	119.98	118.74
16.80	DISCHG	117.49	116.26	115.08	113.98	113.00	112.10	111.15	110.24	109.35	108.47
17.60	DISCHG	107.60	106.73	105.88	105.04	104.21	103.39	102.55	101.66	100.51	98.70
18.40	DISCHG	96.78	94.91	93.13	91.47	89.94	88.52	87.16	85.84	84.50	83.13
19.20	DISCHG	81.65	79.21	76.63	74.13	71.74	69.48	67.33	65.29	63.35	61.49
20.00	DISCHG	59.72	58.07	56.56	54.69	52.79	50.99	49.30	47.68	46.10	44.55
20.80	DISCHG	43.05	41.63	40.31	39.12	38.07	37.20	36.44	35.79	35.18	34.59
21.60	DISCHG	33.99	33.21	32.35	31.51	30.73	30.04	29.46	29.03	28.70	28.47
22.40	DISCHG	28.28	28.10	27.90	27.65	27.34	27.00	26.66	26.35	26.09	25.85
23.20	DISCHG	25.64	25.45	25.26	25.08	24.92	24.82	24.80	24.84	24.93	25.03

--- HYDROGRAPH FOR XSECTION 95, ALTERNATE 1, STORM 2, ADDED TO OUTPUT HYDROGRAPH FILE ---

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 98

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .53 SQ.MI.

12.00	DISCHG	19.06	68.82	101.20	129.14	156.82	183.84	209.81	234.04	255.80	272.29
12.80	DISCHG	276.71	267.58	250.02	224.73	198.22	175.84	157.19	141.16	127.08	115.19
13.60	DISCHG	104.72	94.96	85.67	76.81	68.51	61.00	54.14	47.87	42.17	36.94
14.40	DISCHG	32.13	27.67	23.50	19.57	15.82	12.28	8.97	5.89	2.89	.00

--- HYDROGRAPH FOR XSECTION 98, ALTERNATE 1, STORM 2, ADDED TO OUTPUT HYDROGRAPH FILE ---

*** WARNING REACH 96 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 96 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 25.03 CFS, 15.17 % OF PEAK.

OPERATION DIVERT CROSS SECTION 96

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

9.60	DISCHG	.00	.00	.01	.02	.04	.06	.09	.14	.20	.29
10.40	DISCHG	.41	.55	.72	.94	1.23	1.58	2.00	2.48	3.01	3.67
11.20	DISCHG	4.50	5.51	6.64	7.88	10.16	18.31	37.66	71.55	120.39	178.85
12.00	DISCHG	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00
12.80	DISCHG	185.00	185.00	185.00	185.00	185.00	185.00	184.78	181.53	179.17	177.50
13.60	DISCHG	176.24	175.15	174.13	173.23	172.49	171.95	171.62	171.46	171.41	171.40
14.40	DISCHG	171.42	171.44	171.45	171.42	171.37	171.30	171.23	171.17	171.06	170.49

15.20	DISCHG	166.29	161.60	156.78	152.29	148.37	144.98	142.03	139.42	137.08	134.97
16.00	DISCHG	133.04	131.22	129.60	128.18	126.91	125.73	124.59	123.43	122.22	120.93
16.80	DISCHG	119.62	118.32	117.08	115.95	114.98	114.12	113.23	112.39	111.56	110.73
17.60	DISCHG	109.89	109.04	108.20	107.37	106.55	105.73	104.87	103.94	102.72	100.83
18.40	DISCHG	98.85	96.91	95.11	93.46	91.99	90.63	89.34	88.08	86.77	85.39
19.20	DISCHG	83.87	81.36	78.72	76.15	73.72	71.43	69.27	67.21	65.26	63.39
20.00	DISCHG	61.63	59.99	58.53	56.73	54.91	53.18	51.54	49.95	48.36	46.76
20.80	DISCHG	45.19	43.70	42.32	41.11	40.07	39.24	38.55	37.97	37.42	36.87
21.60	DISCHG	36.27	35.46	34.54	33.62	32.78	32.05	31.46	31.05	30.79	30.63
22.40	DISCHG	30.50	30.37	30.20	29.92	29.56	29.15	28.74	28.38	28.08	27.82
23.20	DISCHG	27.59	27.38	27.19	27.00	26.85	26.77	26.80	26.93	27.09	27.26

--- HYDROGRAPH FOR XSECTION 96, ALTERNATE 1, STORM 2, ADDED TO OUTPUT HYDROGRAPH FILE ---

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 97

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .13 SQ.MI.

12.00	DISCHG	37.75	51.30	63.69	74.83	84.58	93.17	100.22	103.51	99.47	85.78
12.80	DISCHG	66.25	46.60	30.05	18.11	9.95	4.14	.00			

--- HYDROGRAPH FOR XSECTION 97, ALTERNATE 1, STORM 2, ADDED TO OUTPUT HYDROGRAPH FILE ---

EXECUTIVE CONTROL OPERATION ENDCMP COMPUTATIONS COMPLETED FOR PASS 2 RECORD ID

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 12 TO XSECTION 96 RECORD ID
STARTING TIME = .00 RAIN DEPTH = 4.04 RAIN DURATION= 24.00 RAIN TABLE NO.= 1 ANT. MOIST. COND= 2
ALTERNATE NO.= 1 STORM NO.= 3 MAIN TIME INCREMENT = .08 HOURS

*** WARNING REACH 29 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH ***

*** WARNING REACH 33 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 33 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION DIVERT CROSS SECTION 33

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

11.20	DISCHG	.00	.01	.03	.05	.10	.21	.47	1.08	2.36	4.78
12.00	DISCHG	8.95	15.51	23.93	33.42	45.23	55.49	68.01	75.51	84.20	89.09
12.80	DISCHG	93.23	96.67	99.54	102.25	104.14	105.87	107.42	108.77	109.93	110.89
13.60	DISCHG	111.67	112.31	112.81	113.21	113.51	113.72	113.87	113.95	113.98	113.97
14.40	DISCHG	113.91	113.82	113.70	113.56	113.39	113.21	113.02	112.81	112.60	112.37
15.20	DISCHG	112.14	111.89	111.64	111.38	111.10	110.82	110.52	110.21	109.88	109.55

16.00	DISCHG	109.21	108.86	108.50	108.14	107.77	107.41	107.04	106.66	106.29	105.92
16.80	DISCHG	105.55	105.18	104.80	104.43	104.06	103.69	103.32	102.95	102.58	102.21
17.60	DISCHG	101.78	101.27	100.76	100.26	99.76	99.26	98.77	98.28	97.80	97.31
18.40	DISCHG	96.83	96.35	95.87	95.40	94.88	94.16	93.44	92.73	92.03	91.33
19.20	DISCHG	90.64	89.96	89.28	88.61	87.94	87.28	86.63	85.94	84.29	82.68
20.00	DISCHG	81.10	79.55	78.03	76.55	75.11	73.69	72.32	70.97	69.67	68.39
20.80	DISCHG	66.34	64.00	61.76	59.63	57.60	55.65	53.79	52.01	50.31	48.69
21.60	DISCHG	47.14	45.67	44.28	42.40	40.52	38.76	37.12	35.58	34.15	32.81
22.40	DISCHG	31.56	30.39	29.31	28.31	27.39	26.54	25.76	25.03	24.34	23.70
23.20	DISCHG	23.09	22.52	21.97	21.45	20.93	20.28	19.68	19.14	18.65	18.21

--- HYDROGRAPH FOR XSECTION 33, ALTERNATE 1, STORM 3, ADDED TO OUTPUT HYDROGRAPH FILE ---

----- HYDROGRAPH CONTAINS NO FLOW -----

RUNOFF VOLUME ABOVE BASEFLOW = .00 WATERSHED INCHES, .00 CFS-HRS, .00 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 93 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 93 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 18.21 CFS, 15.98 % OF PEAK.

OPERATION DIVERT CROSS SECTION 93

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

9.60	DISCHG	.00	.01	.04	.08	.16	.25	.36	.46	.57	.67
10.40	DISCHG	.77	.87	1.00	1.18	1.43	1.72	2.02	2.30	2.58	2.97
11.20	DISCHG	3.51	4.16	4.82	5.45	6.89	13.86	30.35	56.46	88.75	121.68
12.00	DISCHG	149.00	149.00	149.00	149.00	149.00	149.00	149.00	149.00	149.00	149.00
12.80	DISCHG	149.00	149.00	149.00	149.00	148.38	141.25	136.52	133.36	131.46	130.55
13.60	DISCHG	129.83	128.94	127.88	126.91	126.22	125.94	125.82	125.83	125.93	126.04
14.40	DISCHG	126.11	126.12	126.05	125.88	125.60	125.29	124.98	124.68	124.25	123.39
15.20	DISCHG	121.85	120.07	118.40	117.12	116.19	115.48	114.92	114.45	114.02	113.63
16.00	DISCHG	113.26	112.92	112.67	112.47	112.27	112.04	111.76	111.42	110.99	110.49
16.80	DISCHG	109.96	109.46	108.99	108.57	108.24	107.99	107.77	107.55	107.29	106.99
17.60	DISCHG	106.66	106.27	105.80	105.31	104.81	104.31	103.77	103.17	102.52	101.86
18.40	DISCHG	101.24	100.67	100.17	99.75	99.41	99.06	98.52	97.90	97.23	96.48
19.20	DISCHG	95.67	94.82	93.99	93.20	92.46	91.75	91.06	90.39	89.70	88.24
20.00	DISCHG	86.66	85.13	83.68	82.33	81.01	79.69	78.35	76.99	75.58	74.13
20.80	DISCHG	72.69	70.65	68.31	66.04	63.93	62.00	60.19	58.45	56.75	55.08
21.60	DISCHG	53.42	51.75	50.10	48.54	46.65	44.71	42.93	41.36	39.95	38.64
22.40	DISCHG	37.40	36.20	35.04	33.86	32.70	31.61	30.61	29.71	28.91	28.18
23.20	DISCHG	27.50	26.87	26.27	25.71	25.19	24.74	24.26	23.83	23.43	23.05

--- HYDROGRAPH FOR XSECTION 93, ALTERNATE 1, STORM 3, ADDED TO OUTPUT HYDROGRAPH FILE ---

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 92

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .19 SQ.MI.

12.00	DISCHG	3.63	31.75	58.76	84.67	108.72	132.70	154.00	167.19	158.04	128.03
12.80	DISCHG	87.05	50.16	23.93	9.14	.00					

--- HYDROGRAPH FOR XSECTION 92, ALTERNATE 1, STORM 3, ADDED TO OUTPUT HYDROGRAPH FILE ---

*** WARNING REACH 95 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 95 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 23.05 CFS, 15.47 % OF PEAK.

*** WARNING REACH 32 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH ***

OPERATION DIVERT CROSS SECTION 95

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

8.80	DISCHG	.00	.00	.00	.00	.00	.00	.01	.01	.03	.04
9.60	DISCHG	.07	.11	.18	.30	.46	.66	.89	1.13	1.38	1.62
10.40	DISCHG	1.87	2.12	2.39	2.73	3.19	3.74	4.35	4.97	5.61	6.38
11.20	DISCHG	7.39	8.62	9.97	11.35	13.71	22.47	44.29	83.11	136.34	165.00
12.00	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
12.80	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
13.60	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
14.40	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
15.20	DISCHG	165.00	165.00	164.34	159.87	155.98	152.57	149.56	146.85	144.39	142.14
16.00	DISCHG	140.08	138.22	136.60	135.20	133.95	132.79	131.67	130.56	129.41	128.21
16.80	DISCHG	126.98	125.81	124.71	123.72	122.87	122.19	121.64	121.15	120.68	120.19
17.60	DISCHG	119.69	119.15	118.55	117.93	117.33	116.73	116.09	115.37	114.56	113.72
18.40	DISCHG	112.89	112.11	111.43	110.86	110.43	110.05	109.52	108.93	108.28	107.55
19.20	DISCHG	106.70	105.77	104.82	103.90	103.04	102.21	101.41	100.64	99.85	98.31
20.00	DISCHG	96.66	95.06	93.59	92.26	91.01	89.80	88.56	87.29	85.94	84.50
20.80	DISCHG	83.02	80.91	78.49	76.14	73.97	72.03	70.27	68.61	67.01	65.43
21.60	DISCHG	63.86	62.22	60.56	58.93	56.95	54.94	53.08	51.47	50.07	48.83
22.40	DISCHG	47.68	46.58	45.50	44.38	43.23	42.08	41.00	40.02	39.13	38.32
23.20	DISCHG	37.56	36.86	36.20	35.58	35.01	34.52	34.05	33.68	33.38	33.12

--- HYDROGRAPH FOR XSECTION 95, ALTERNATE 1, STORM 3, ADDED TO OUTPUT HYDROGRAPH FILE ---

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 98

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .53 SQ.MI.

11.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	.00	31.63
12.00	DISCHG	89.99	122.75	156.06	189.20	221.72	253.35	283.77	312.00	334.44	342.84
12.80	DISCHG	335.34	317.48	296.45	276.03	256.48	231.63	210.13	191.08	174.40	160.11
13.60	DISCHG	147.26	135.01	123.04	111.54	100.80	91.11	82.23	74.12	66.76	60.04
14.40	DISCHG	53.85	48.15	42.86	37.91	33.24	28.87	24.83	21.15	17.61	13.84
15.20	DISCHG	9.31	4.32	.00							

--- HYDROGRAPH FOR XSECTION 98, ALTERNATE 1, STORM 3, ADDED TO OUTPUT HYDROGRAPH FILE ---

*** WARNING REACH 96 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 96 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 33.12 CFS, 20.07 % OF PEAK.

OPERATION DIVERT CROSS SECTION 96

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

8.80	DISCHG	.00	.00	.00	.00	.00	.00	.01	.01	.03	.04
9.60	DISCHG	.07	.11	.18	.30	.46	.66	.89	1.13	1.38	1.65
10.40	DISCHG	1.92	2.20	2.52	2.93	3.48	4.14	4.88	5.63	6.42	7.38
11.20	DISCHG	8.62	10.13	11.80	13.53	16.67	28.12	56.60	107.07	176.02	185.00
12.00	DISCHG	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00
12.80	DISCHG	185.00	185.00	185.00	185.00	185.00	185.00	185.00	184.52	181.71	179.72
13.60	DISCHG	178.23	176.94	175.73	174.67	173.80	173.16	172.77	172.58	172.52	172.51
14.40	DISCHG	172.53	172.56	172.56	172.53	172.47	172.39	172.31	172.24	172.10	171.77
15.20	DISCHG	171.14	170.31	168.81	163.63	159.23	155.48	152.24	149.38	146.81	144.48
16.00	DISCHG	142.38	140.50	138.91	137.58	136.41	135.33	134.27	133.19	132.03	130.77
16.80	DISCHG	129.47	128.21	127.05	126.02	125.18	124.55	124.08	123.67	123.27	122.83
17.60	DISCHG	122.37	121.86	121.27	120.66	120.07	119.46	118.81	118.04	117.15	116.21
18.40	DISCHG	115.30	114.46	113.75	113.19	112.82	112.52	112.07	111.55	110.94	110.20
19.20	DISCHG	109.30	108.29	107.25	106.27	105.35	104.50	103.67	102.89	102.09	100.54
20.00	DISCHG	98.89	97.31	95.89	94.65	93.49	92.36	91.19	89.95	88.59	87.08
20.80	DISCHG	85.52	83.33	80.85	78.47	76.31	74.42	72.73	71.16	69.63	68.10
21.60	DISCHG	66.52	64.84	63.11	61.40	59.35	57.28	55.41	53.83	52.50	51.35
22.40	DISCHG	50.28	49.23	48.17	47.04	45.82	44.59	43.43	42.38	41.45	40.61
23.20	DISCHG	39.84	39.12	38.45	37.82	37.26	36.80	36.39	36.11	35.91	35.73

--- HYDROGRAPH FOR XSECTION 96, ALTERNATE 1, STORM 3, ADDED TO OUTPUT HYDROGRAPH FILE ---

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 97

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .13 SQ.MI.

11.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	.00	37.17
12.00	DISCHG	54.49	70.41	84.65	97.24	108.05	117.46	125.03	128.20	122.78	106.09
12.80	DISCHG	82.63	59.16	39.43	25.21	15.49	8.56	3.37	.00		

--- HYDROGRAPH FOR XSECTION 97, ALTERNATE 1, STORM 3, ADDED TO OUTPUT HYDROGRAPH FILE ---

EXECUTIVE CONTROL OPERATION ENDCMP COMPUTATIONS COMPLETED FOR PASS 3 RECORD ID

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 12 TO XSECTION 96 RECORD ID
STARTING TIME = .00 RAIN DEPTH = 5.07 RAIN DURATION= 24.00 RAIN TABLE NO.= 1 ANT. MOIST. COND= 2
ALTERNATE NO.= 1 STORM NO.= 4 MAIN TIME INCREMENT = .08 HOURS

*** WARNING REACH 29 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH ***

*** WARNING REACH 33 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 33 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION DIVERT CROSS SECTION 33

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

10.40	DISCHG	.00	.01	.02	.04	.07	.11	.17	.26	.38	.54
11.20	DISCHG	.74	.99	1.31	1.70	2.19	2.88	4.00	5.98	9.42	15.16
12.00	DISCHG	23.26	32.78	45.34	56.80	69.72	78.78	87.43	92.38	96.95	100.97
12.80	DISCHG	104.33	107.48	110.61	113.62	114.00	114.00	114.00	114.00	114.00	114.00
13.60	DISCHG	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00
14.40	DISCHG	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00
15.20	DISCHG	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00
16.00	DISCHG	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00
16.80	DISCHG	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00
17.60	DISCHG	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00
18.40	DISCHG	114.00	113.82	113.42	113.03	112.63	112.24	111.85	111.46	111.07	110.68
19.20	DISCHG	110.30	109.91	109.53	109.15	108.77	108.40	108.02	107.64	107.27	106.89
20.00	DISCHG	106.52	106.15	105.77	105.40	105.03	104.67	104.30	103.94	103.58	103.22
20.80	DISCHG	102.87	102.51	102.16	101.74	101.25	100.77	100.29	99.81	99.33	98.86
21.60	DISCHG	98.39	97.92	97.46	97.00	96.55	96.09	95.64	95.19	94.61	93.93
22.40	DISCHG	93.26	92.59	91.93	91.28	90.64	90.00	89.37	88.74	88.12	87.50
23.20	DISCHG	86.89	86.28	85.17	83.65	82.16	80.70	79.27	77.87	76.50	75.17

--- HYDROGRAPH FOR XSECTION 33, ALTERNATE 1, STORM 4, ADDED TO OUTPUT HYDROGRAPH FILE ---

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 92

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .80 SQ.MI.

12.80	DISCHG	.00	.00	.00	.00	2.44	5.01	7.30	9.30	11.01	12.44
13.60	DISCHG	13.63	14.60	15.39	16.02	16.53	16.91	17.20	17.39	17.51	17.57
14.40	DISCHG	17.57	17.53	17.44	17.32	17.18	17.01	16.82	16.62	16.40	16.17
15.20	DISCHG	15.93	15.67	15.40	15.12	14.82	14.50	14.17	13.82	13.45	13.08
16.00	DISCHG	12.69	12.29	11.88	11.47	11.05	10.63	10.20	9.78	9.35	8.93
16.80	DISCHG	8.50	8.08	7.65	7.23	6.80	6.38	5.96	5.53	5.11	4.69
17.60	DISCHG	4.27	3.86	3.44	3.03	2.62	2.22	1.81	1.41	1.01	.61
18.40	DISCHG	.22	.00								

--- HYDROGRAPH FOR XSECTION 92, ALTERNATE 1, STORM 4, ADDED TO OUTPUT HYDROGRAPH FILE ---

*** WARNING REACH 93 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 93 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 75.17 CFS, 65.94 % OF PEAK.

OPERATION DIVERT CROSS SECTION 93

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

8.00	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
8.80	DISCHG	.02	.03	.05	.08	.12	.21	.34	.49	.65	.81
9.60	DISCHG	.98	1.17	1.36	1.55	1.74	1.93	2.10	2.25	2.39	2.51
10.40	DISCHG	2.63	2.77	2.95	3.28	3.77	4.35	4.92	5.45	5.99	6.75
11.20	DISCHG	7.82	9.11	10.43	11.70	14.37	26.05	52.63	93.24	141.31	149.00
12.00	DISCHG	149.00	149.00	149.00	149.00	149.00	149.00	149.00	149.00	149.00	149.00
12.80	DISCHG	149.00	149.00	149.00	149.00	149.00	149.00	149.00	148.73	144.34	141.53
13.60	DISCHG	139.24	136.96	134.67	132.69	131.22	130.43	129.95	129.74	129.75	129.83
14.40	DISCHG	129.92	129.99	130.00	129.92	129.74	129.53	129.35	129.21	128.90	128.06
15.20	DISCHG	126.33	124.31	122.43	121.09	120.21	119.64	119.28	119.05	118.89	118.80
16.00	DISCHG	118.74	118.75	118.87	119.07	119.28	119.45	119.57	119.61	119.53	119.36
16.80	DISCHG	119.16	118.99	118.86	118.80	118.85	119.01	119.22	119.41	119.55	119.64
17.60	DISCHG	119.69	119.73	119.76	119.77	119.78	119.78	119.72	119.58	119.37	119.15
18.40	DISCHG	118.98	118.86	118.69	118.42	118.21	118.02	117.81	117.54	117.19	116.75
19.20	DISCHG	116.21	115.62	115.05	114.52	114.06	113.63	113.21	112.81	112.42	112.04
20.00	DISCHG	111.67	111.35	111.12	110.97	110.82	110.63	110.37	110.03	109.60	109.05
20.80	DISCHG	108.49	107.95	107.49	107.09	106.73	106.43	106.15	105.86	105.51	105.10
21.60	DISCHG	104.61	103.99	103.33	102.66	102.06	101.52	101.06	100.73	100.48	100.13
22.40	DISCHG	99.64	99.07	98.43	97.67	96.84	95.99	95.17	94.42	93.72	93.04
23.20	DISCHG	92.39	91.76	91.14	90.12	88.72	87.33	86.04	84.83	83.63	82.42

--- HYDROGRAPH FOR XSECTION 93, ALTERNATE 1, STORM 4, ADDED TO OUTPUT HYDROGRAPH FILE ---

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 92

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .19 SQ.MI.

11.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	.00	39.74
12.00	DISCHG	83.14	121.38	156.14	189.26	217.82	244.64	266.27	274.33	254.92	207.16
12.80	DISCHG	148.72	96.96	60.26	39.59	25.89	14.53	6.02	.00		

--- HYDROGRAPH FOR XSECTION 92, ALTERNATE 1, STORM 4, ADDED TO OUTPUT HYDROGRAPH FILE ---

*** WARNING REACH 95 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 95 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 82.42 CFS, 55.31 % OF PEAK.

OPERATION DIVERT CROSS SECTION 95

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

7.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.01	.01	.02
8.00	DISCHG	.03	.04	.05	.06	.07	.08	.10	.11	.12	.14
8.80	DISCHG	.16	.20	.24	.30	.39	.55	.77	1.06	1.40	1.77
9.60	DISCHG	2.16	2.57	3.02	3.47	3.93	4.38	4.82	5.23	5.60	5.94
10.40	DISCHG	6.27	6.60	6.99	7.55	8.38	9.43	10.56	11.69	12.84	14.24
11.20	DISCHG	16.13	18.46	21.03	23.64	27.88	42.61	78.46	140.77	165.00	165.00
12.00	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
12.80	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
13.60	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
14.40	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
15.20	DISCHG	165.00	165.00	165.00	165.00	165.00	161.92	158.60	155.70	153.12	150.81
16.00	DISCHG	148.75	146.94	145.44	144.23	143.23	142.36	141.53	140.73	139.88	138.96
16.80	DISCHG	138.01	137.12	136.35	135.72	135.28	135.05	135.00	135.01	135.03	135.02
17.60	DISCHG	134.99	134.95	134.92	134.89	134.86	134.83	134.75	134.55	134.21	133.82
18.40	DISCHG	133.44	133.13	132.79	132.39	132.12	131.96	131.81	131.62	131.34	130.94
19.20	DISCHG	130.38	129.69	128.98	128.31	127.70	127.14	126.61	126.10	125.61	125.13
20.00	DISCHG	124.68	124.29	124.03	123.93	123.89	123.85	123.73	123.52	123.17	122.64
20.80	DISCHG	122.02	121.39	120.82	120.34	119.93	119.63	119.44	119.28	119.07	118.79
21.60	DISCHG	118.40	117.83	117.12	116.37	115.65	115.00	114.45	114.08	113.86	113.61
22.40	DISCHG	113.25	112.81	112.28	111.59	110.75	109.82	108.89	108.01	107.20	106.43
23.20	DISCHG	105.68	104.96	104.26	103.16	101.69	100.25	98.97	97.84	96.77	95.71

--- HYDROGRAPH FOR XSECTION 95, ALTERNATE 1, STORM 4, ADDED TO OUTPUT HYDROGRAPH FILE ---

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 98

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .53 SQ.MI.

11.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	58.08	108.41
12.00	DISCHG	154.60	201.60	248.19	293.80	338.14	381.11	422.43	460.87	491.27	501.68
12.80	DISCHG	490.03	465.01	436.93	410.48	386.16	363.04	340.45	317.90	291.84	268.38
13.60	DISCHG	246.40	224.99	203.93	183.69	164.82	147.79	132.35	118.44	106.04	94.95
14.40	DISCHG	85.00	76.07	68.02	60.73	54.04	47.98	42.55	37.75	33.28	28.61
15.20	DISCHG	22.99	16.81	10.69	5.32	.78	.00				

--- HYDROGRAPH FOR XSECTION 98, ALTERNATE 1, STORM 4, ADDED TO OUTPUT HYDROGRAPH FILE ---

*** WARNING REACH 96 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 96 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 95.71 CFS, 58.01 % OF PEAK.

OPERATION DIVERT CROSS SECTION 96

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

7.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.01	.01	.02
8.00	DISCHG	.03	.04	.05	.06	.07	.08	.10	.11	.12	.14
8.80	DISCHG	.16	.20	.24	.30	.39	.55	.77	1.06	1.42	1.80
9.60	DISCHG	2.24	2.72	3.23	3.78	4.33	4.89	5.43	5.93	6.39	6.82
10.40	DISCHG	7.23	7.64	8.13	8.85	9.88	11.18	12.58	13.96	15.38	17.11
11.20	DISCHG	19.42	22.28	25.41	28.60	34.19	53.49	100.36	181.26	185.00	185.00
12.00	DISCHG	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00
12.80	DISCHG	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	184.59
13.60	DISCHG	182.59	180.85	179.24	177.82	176.66	175.81	175.29	175.04	174.95	174.94
14.40	DISCHG	174.97	175.00	175.00	174.97	174.88	174.77	174.66	174.57	174.39	173.94
15.20	DISCHG	173.11	172.02	170.91	169.96	169.30	165.77	162.14	159.03	156.31	153.90
16.00	DISCHG	151.78	149.95	148.49	147.37	146.49	145.71	144.97	144.21	143.34	142.34
16.80	DISCHG	141.29	140.30	139.44	138.76	138.32	138.16	138.21	138.34	138.45	138.50
17.60	DISCHG	138.52	138.52	138.50	138.49	138.47	138.45	138.34	138.07	137.63	137.11
18.40	DISCHG	136.62	136.23	135.84	135.46	135.28	135.22	135.18	135.07	134.84	134.44
19.20	DISCHG	133.81	133.01	132.19	131.42	130.75	130.15	129.59	129.06	128.56	128.07
20.00	DISCHG	127.61	127.25	127.07	127.07	127.16	127.22	127.19	127.02	126.65	126.04
20.80	DISCHG	125.31	124.58	123.93	123.40	123.00	122.77	122.69	122.64	122.52	122.30
21.60	DISCHG	121.91	121.28	120.48	119.61	118.79	118.08	117.51	117.18	117.06	116.92
22.40	DISCHG	116.66	116.30	115.80	115.08	114.16	113.12	112.09	111.13	110.25	109.44
23.20	DISCHG	108.67	107.93	107.21	106.11	104.64	103.24	102.04	101.03	100.10	99.14

--- HYDROGRAPH FOR XSECTION 96, ALTERNATE 1, STORM 4, ADDED TO OUTPUT HYDROGRAPH FILE ---

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 97

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .13 SQ.MI.

11.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	44.39	69.75
12.00	DISCHG	93.70	114.69	132.73	148.19	161.05	171.96	180.43	183.09	174.45	151.01
12.80	DISCHG	118.84	86.89	60.13	40.86	27.68	18.29	11.27	6.07	2.28	.00

--- HYDROGRAPH FOR XSECTION 97, ALTERNATE 1, STORM 4, ADDED TO OUTPUT HYDROGRAPH FILE ---

EXECUTIVE CONTROL OPERATION ENDCMP COMPUTATIONS COMPLETED FOR PASS 4 RECORD ID

EXECUTIVE CONTROL OPERATION ENDJOB RECORD ID

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION BEGIN (HR)	PRECIPITATION AMOUNT (IN)	PRECIPITATION DURATION (HR)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 1 STORM 1													
XSECTION 12	RUNOFF	.07	1	2	.08	.0	2.53	24.00	.75	---	12.56	32.53	464.7
XSECTION 29	REACH	.07	1	2	.08	.0	2.53	24.00	.71	---	13.92	8.75	125.0
XSECTION 29	RUNOFF	.25	1	2	.08	.0	2.53	24.00	.79	---	12.88	81.24	325.0
XSECTION 29	ADDHYD	.32	1	2	.08	.0	2.53	24.00	.77	---	12.89	81.61	255.0
XSECTION 33	REACH	.32	1	2	.08	.0	2.53	24.00	.77	---	12.98	81.44	254.5
XSECTION 33	RUNOFF	.23	1	2	.08	.0	2.53	24.00	.74	---	12.96	66.54	284.3
XSECTION 33	ADDHYD	.55	1	2	.08	.0	2.53	24.00	.76	---	12.97	147.92	267.0
XSECTION 30	RUNOFF	.25	1	2	.08	.0	2.53	24.00	.84	---	12.84	89.50	358.0
XSECTION 33	REACH	.25	1	2	.08	.0	2.53	24.00	.84	---	12.94	88.84	355.4
XSECTION 33	ADDHYD	.80	1	2	.08	.0	2.53	24.00	.79	---	12.96	236.64	294.3
STRUCTURE 33	RESVOR	.80	1	2	.08	.0	2.53	24.00	.78	1467.17	13.80	87.54	108.9
XSECTION 33	DIVERT	.00	1	2	.08	.0	2.53	24.00	.78	---	13.80	87.54	**********
XSECTION 92	DIVERT	.80	1	2	.08	.0	2.53	24.00	.00	---	.00	.00	.0
XSECTION 93	REACH	.00	1	2	.08	.0	2.53	24.00	.00	---	13.91	87.53	**********
XSECTION 93	RUNOFF	.19	1	2	.08	.0	2.53	24.00	1.13	---	12.54	126.61	649.3
XSECTION 93	ADDHYD	.19	1	2	.08	.0	2.53	24.00	4.32	---	12.60	151.33	776.1
XSECTION 93	DIVERT	.00	1	2	.08	.0	2.53	24.00	4.32	---	12.60	150.02	**********
XSECTION 92	DIVERT	.19	1	2	.08	.0	2.53	24.00	.00	---	12.60	1.31	6.7
XSECTION 92	REACH	.19	1	2	.08	.0	2.53	24.00	.00	---	14.00?	.03?	.1
XSECTION 92	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.26	---	12.54	87.51	700.1
XSECTION 92	ADDHYD	.32	1	2	.08	.0	2.53	24.00	.49	---	12.54	87.51	273.5
XSECTION 98	REACH	.32	1	2	.08	.0	2.53	24.00	.49	---	12.92	71.60	223.7
XSECTION 95	REACH	.00	1	2	.08	.0	2.53	24.00	.49	---	12.60	150.02	**********
XSECTION 31	RUNOFF	.08	1	2	.08	.0	2.53	24.00	.75	---	12.63	34.54	411.2
XSECTION 32	REACH	.08	1	2	.08	.0	2.53	24.00	.71	---	14.09	10.41	124.0
XSECTION 32	RUNOFF	.18	1	2	.08	.0	2.53	24.00	.75	---	12.83	58.61	325.6
XSECTION 32	ADDHYD	.26	1	2	.08	.0	2.53	24.00	.73	---	12.83	58.74	222.5
XSECTION 94	REACH	.26	1	2	.08	.0	2.53	24.00	.73	---	13.29	44.11	167.1
XSECTION 94	RUNOFF	.14	1	2	.08	.0	2.53	24.00	1.13	---	12.51	94.72	681.5
XSECTION 94	ADDHYD	.40	1	2	.08	.0	2.53	24.00	.87	---	12.54	106.76	264.9
XSECTION 95	REACH	.40	1	2	.08	.0	2.53	24.00	.86	---	12.80	89.00	220.8
XSECTION 95	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.25	---	12.80	66.12	529.0

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
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A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION BEGIN (HR)	PRECIPITATION AMOUNT (IN)	PRECIPITATION DURATION (HR)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 1 STORM 1													
XSECTION 95	ADDHYD	.53	1	2	.08	.0	2.53	24.00	.95	---	12.80	155.12	293.8
XSECTION 95	ADDHYD	.53	1	2	.08	.0	2.53	24.00	2.55	---	12.69	292.53	554.0
XSECTION 95	DIVERT	.00	1	2	.08	.0	2.53	24.00	2.55	---	12.24*	165.00	**********
XSECTION 98	DIVERT	.53	1	2	.08	.0	2.53	24.00	.26	---	12.69	127.53	241.5
XSECTION 98	REACH	.53	1	2	.08	.0	2.53	24.00	.26	---	13.04	88.36	167.4
XSECTION 98	ADDHYD	.85	1	2	.08	.0	2.53	24.00	.34	---	12.99	157.97	186.3
XSECTION 96	REACH	.00	1	2	.08	.0	2.53	24.00	.34	---	12.24*	165.00	**********
XSECTION 96	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.01	---	12.58	70.81	566.5
XSECTION 96	ADDHYD	.13	1	2	.08	.0	2.53	24.00	10.69	---	12.58	235.81	1886.5
XSECTION 96	DIVERT	.00	1	2	.08	.0	2.53	24.00	10.69	---	12.24*	185.00	**********
XSECTION 97	DIVERT	.13	1	2	.08	.0	2.53	24.00	.36	---	12.58	50.81	406.5
ALTERNATE 1 STORM 2													
XSECTION 12	RUNOFF	.07	1	2	.08	.0	3.57	24.00	1.47	---	12.54	60.86	869.5
XSECTION 29	REACH	.07	1	2	.08	.0	3.57	24.00	1.42	---	13.62	26.04	372.0
XSECTION 29	RUNOFF	.25	1	2	.08	.0	3.57	24.00	1.53	---	12.85	157.42	629.7
XSECTION 29	ADDHYD	.32	1	2	.08	.0	3.57	24.00	1.51	---	12.88	163.07	509.6
XSECTION 33	REACH	.32	1	2	.08	.0	3.57	24.00	1.50	---	12.96	163.01	509.4
XSECTION 33	RUNOFF	.23	1	2	.08	.0	3.57	24.00	1.46	---	12.92	132.17	564.8
XSECTION 33	ADDHYD	.55	1	2	.08	.0	3.57	24.00	1.48	---	12.94	294.76	532.1
XSECTION 30	RUNOFF	.25	1	2	.08	.0	3.57	24.00	1.60	---	12.81	169.84	679.4
XSECTION 33	REACH	.25	1	2	.08	.0	3.57	24.00	1.60	---	12.90	169.17	676.7
XSECTION 33	ADDHYD	.80	1	2	.08	.0	3.57	24.00	1.52	---	12.93	463.37	576.3
STRUCTURE 33	RESVOR	.80	1	2	.08	.0	3.57	24.00	1.50	1469.76	14.16	106.55	132.5
XSECTION 33	DIVERT	.00	1	2	.08	.0	3.57	24.00	1.50	---	14.16	106.55	**********
XSECTION 92	DIVERT	.80	1	2	.08	.0	3.57	24.00	.00	---	.00	.00	.0
XSECTION 93	REACH	.00	1	2	.08	.0	3.57	24.00	.00	---	14.26	106.54	**********
XSECTION 93	RUNOFF	.19	1	2	.08	.0	3.57	24.00	1.98	---	12.53	213.06	1092.6
XSECTION 93	ADDHYD	.19	1	2	.08	.0	3.57	24.00	8.16	---	12.58	264.49	1356.3
XSECTION 93	DIVERT	.00	1	2	.08	.0	3.57	24.00	8.16	---	12.16*	149.00	**********
XSECTION 92	DIVERT	.19	1	2	.08	.0	3.57	24.00	.45	---	12.58	115.49	592.2
XSECTION 92	REACH	.19	1	2	.08	.0	3.57	24.00	.45	---	12.73	100.21	513.9
XSECTION 92	RUNOFF	.13	1	2	.08	.0	3.57	24.00	2.15	---	12.53	143.49	1147.9
XSECTION 92	ADDHYD	.32	1	2	.08	.0	3.57	24.00	1.11	---	12.63	226.19	706.8
XSECTION 98	REACH	.32	1	2	.08	.0	3.57	24.00	1.11	---	12.89	196.37	613.6
XSECTION 95	REACH	.00	1	2	.08	.0	3.57	24.00	1.11	---	12.16*	149.00	**********
XSECTION 31	RUNOFF	.08	1	2	.08	.0	3.57	24.00	1.47	---	12.60	65.99	785.6

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A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION BEGIN (HR)	PRECIPITATION AMOUNT (IN)	PRECIPITATION DURATION (HR)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 1 STORM 2													
XSECTION 32	REACH	.08	1	2	.08	.0	3.57	24.00	1.42	---	13.69	30.42	362.2
XSECTION 32	RUNOFF	.18	1	2	.08	.0	3.57	24.00	1.46	---	12.79	115.16	639.8
XSECTION 32	ADDHYD	.26	1	2	.08	.0	3.57	24.00	1.45	---	12.83	120.32	455.8
XSECTION 94	REACH	.26	1	2	.08	.0	3.57	24.00	1.44	---	13.16	101.29	383.7
XSECTION 94	RUNOFF	.14	1	2	.08	.0	3.57	24.00	1.99	---	12.49	157.60	1133.8
XSECTION 94	ADDHYD	.40	1	2	.08	.0	3.57	24.00	1.63	---	12.55	203.78	505.7
XSECTION 95	REACH	.40	1	2	.08	.0	3.57	24.00	1.62	---	12.79	181.30	449.9
XSECTION 95	RUNOFF	.13	1	2	.08	.0	3.57	24.00	2.13	---	12.78	111.65	893.2
XSECTION 95	ADDHYD	.53	1	2	.08	.0	3.57	24.00	1.74	---	12.79	292.91	554.8
XSECTION 95	ADDHYD	.53	1	2	.08	.0	3.57	24.00	4.59	---	12.79	441.91	837.0
XSECTION 95	DIVERT	.00	1	2	.08	.0	3.57	24.00	4.59	---	12.00*	165.00	**********
XSECTION 98	DIVERT	.53	1	2	.08	.0	3.57	24.00	1.03	---	12.79	276.91	524.5
XSECTION 98	REACH	.53	1	2	.08	.0	3.57	24.00	1.03	---	13.02	244.76	463.6
XSECTION 98	ADDHYD	.85	1	2	.08	.0	3.57	24.00	1.06	---	12.95	435.18	513.2
XSECTION 96	REACH	.00	1	2	.08	.0	3.57	24.00	1.06	---	12.00*	165.00	**********
XSECTION 96	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.83	---	12.56	123.52	988.2
XSECTION 96	ADDHYD	.13	1	2	.08	.0	3.57	24.00	16.86	---	12.56	288.52	2308.2
XSECTION 96	DIVERT	.00	1	2	.08	.0	3.57	24.00	16.86	---	12.00*	185.00	**********
XSECTION 97	DIVERT	.13	1	2	.08	.0	3.57	24.00	.96	---	12.56	103.52	828.2
ALTERNATE 1 STORM 3													
XSECTION 12	RUNOFF	.07	1	2	.08	.0	4.04	24.00	1.83	---	12.53	74.48	1064.0
XSECTION 29	REACH	.07	1	2	.08	.0	4.04	24.00	1.78	---	13.43	36.59	522.7
XSECTION 29	RUNOFF	.25	1	2	.08	.0	4.04	24.00	1.89	---	12.84	194.89	779.6
XSECTION 29	ADDHYD	.32	1	2	.08	.0	4.04	24.00	1.87	---	12.88	210.66	658.3
XSECTION 33	REACH	.32	1	2	.08	.0	4.04	24.00	1.87	---	12.96	210.65	658.3
XSECTION 33	RUNOFF	.23	1	2	.08	.0	4.04	24.00	1.81	---	12.91	164.77	704.2
XSECTION 33	ADDHYD	.55	1	2	.08	.0	4.04	24.00	1.84	---	12.94	374.62	676.2
XSECTION 30	RUNOFF	.25	1	2	.08	.0	4.04	24.00	1.97	---	12.80	208.97	835.9
XSECTION 33	REACH	.25	1	2	.08	.0	4.04	24.00	1.97	---	12.89	208.31	833.2
XSECTION 33	ADDHYD	.80	1	2	.08	.0	4.04	24.00	1.88	---	12.92	582.17	724.1
STRUCTURE 33	RESVOR	.80	1	2	.08	.0	4.04	24.00	1.85	1471.00	14.25	113.98	141.8
XSECTION 33	DIVERT	.00	1	2	.08	.0	4.04	24.00	1.85	---	14.25	113.98	**********
XSECTION 92	DIVERT	.80	1	2	.08	.0	4.04	24.00	.00	---	.00	.00	.0
XSECTION 93	REACH	.00	1	2	.08	.0	4.04	24.00	.00	---	14.35	113.97	**********
XSECTION 93	RUNOFF	.19	1	2	.08	.0	4.04	24.00	2.39	---	12.52	253.10	1297.9
XSECTION 93	ADDHYD	.19	1	2	.08	.0	4.04	24.00	10.02	---	12.57	316.28	1622.0

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(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION BEGIN (HR)	PRECIPITATION AMOUNT (IN)	PRECIPITATION DURATION (HR)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 1 STORM 3													
XSECTION 93	DIVERT	.00	1	2	.08	.0	4.04	24.00	10.02	---	12.00*	149.00	**********
XSECTION 92	DIVERT	.19	1	2	.08	.0	4.04	24.00	.76	---	12.57	167.28	857.9
XSECTION 92	REACH	.19	1	2	.08	.0	4.04	24.00	.76	---	12.71	151.95	779.2
XSECTION 92	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.57	---	12.52	169.21	1353.7
XSECTION 92	ADDHYD	.32	1	2	.08	.0	4.04	24.00	1.47	---	12.62	304.19	950.6
XSECTION 98	REACH	.32	1	2	.08	.0	4.04	24.00	1.46	---	12.88	270.95	846.7
XSECTION 95	REACH	.00	1	2	.08	.0	4.04	24.00	1.46	---	12.00*	149.00	**********
XSECTION 31	RUNOFF	.08	1	2	.08	.0	4.04	24.00	1.82	---	12.59	81.11	965.6
XSECTION 32	REACH	.08	1	2	.08	.0	4.04	24.00	1.78	---	13.56	42.52	506.2
XSECTION 32	RUNOFF	.18	1	2	.08	.0	4.04	24.00	1.82	---	12.78	143.06	794.8
XSECTION 32	ADDHYD	.26	1	2	.08	.0	4.04	24.00	1.81	---	12.84	154.88	586.7
XSECTION 94	REACH	.26	1	2	.08	.0	4.04	24.00	1.80	---	13.15	134.41	509.1
XSECTION 94	RUNOFF	.14	1	2	.08	.0	4.04	24.00	2.39	---	12.49	186.62	1342.6
XSECTION 94	ADDHYD	.40	1	2	.08	.0	4.04	24.00	2.00	---	12.55	251.01	622.9
XSECTION 95	REACH	.40	1	2	.08	.0	4.04	24.00	2.00	---	12.71	226.94	563.1
XSECTION 95	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.55	---	12.77	132.85	1062.8
XSECTION 95	ADDHYD	.53	1	2	.08	.0	4.04	24.00	2.13	---	12.72	358.85	679.6
XSECTION 95	ADDHYD	.53	1	2	.08	.0	4.04	24.00	5.55	---	12.72	507.85	961.8
XSECTION 95	DIVERT	.00	1	2	.08	.0	4.04	24.00	5.55	---	11.92*	165.00	**********
XSECTION 98	DIVERT	.53	1	2	.08	.0	4.04	24.00	1.44	---	12.72	342.85	649.3
XSECTION 98	REACH	.53	1	2	.08	.0	4.04	24.00	1.44	---	12.96	308.74	584.7
XSECTION 98	ADDHYD	.85	1	2	.08	.0	4.04	24.00	1.45	---	12.90	577.10	680.5
XSECTION 96	REACH	.00	1	2	.08	.0	4.04	24.00	1.45	---	11.92*	165.00	**********
XSECTION 96	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.22	---	12.55	148.27	1186.2
XSECTION 96	ADDHYD	.13	1	2	.08	.0	4.04	24.00	19.59	---	12.55	313.27	2506.2
XSECTION 96	DIVERT	.00	1	2	.08	.0	4.04	24.00	19.59	---	11.92*	185.00	**********
XSECTION 97	DIVERT	.13	1	2	.08	.0	4.04	24.00	1.28	---	12.55	128.27	1026.2
ALTERNATE 1 STORM 4													
XSECTION 12	RUNOFF	.07	1	2	.08	.0	5.07	24.00	2.66	---	12.52	105.26	1503.7
XSECTION 29	REACH	.07	1	2	.08	.0	5.07	24.00	2.61	---	13.37	64.31	918.7
XSECTION 29	RUNOFF	.25	1	2	.08	.0	5.07	24.00	2.74	---	12.82	280.74	1123.0
XSECTION 29	ADDHYD	.32	1	2	.08	.0	5.07	24.00	2.71	---	12.88	312.64	977.0
XSECTION 33	REACH	.32	1	2	.08	.0	5.07	24.00	2.71	---	12.88	312.64	977.0
XSECTION 33	RUNOFF	.23	1	2	.08	.0	5.07	24.00	2.64	---	12.89	240.03	1025.8
XSECTION 33	ADDHYD	.55	1	2	.08	.0	5.07	24.00	2.68	---	12.88	552.66	997.6
XSECTION 30	RUNOFF	.25	1	2	.08	.0	5.07	24.00	2.83	---	12.78	298.17	1192.7

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION BEGIN (HR)	PRECIPITATION AMOUNT (IN)	PRECIPITATION DURATION (HR)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 1 STORM 4													
XSECTION 33	REACH	.25	1	2	.08	.0	5.07	24.00	2.82	---	12.87	297.56	1190.3
XSECTION 33	ADDHYD	.80	1	2	.08	.0	5.07	24.00	2.73	---	12.88	850.14	1057.4
STRUCTURE 33	RESVOR	.80	1	2	.08	.0	5.07	24.00	2.52	1473.93	14.36	131.58	163.7
XSECTION 33	DIVERT	.00	1	2	.08	.0	5.07	24.00	2.52	---	13.12*	114.00**********	
XSECTION 92	DIVERT	.80	1	2	.08	.0	5.07	24.00	.11	---	14.36	17.58	21.9
XSECTION 93	REACH	.00	1	2	.08	.0	5.07	24.00	.11	---	13.52*	114.00**********	
XSECTION 93	RUNOFF	.19	1	2	.08	.0	5.07	24.00	3.31	---	12.51	340.19	1744.6
XSECTION 93	ADDHYD	.19	1	2	.08	.0	5.07	24.00	13.17	---	12.54	423.92	2173.9
XSECTION 93	DIVERT	.00	1	2	.08	.0	5.07	24.00	13.17	---	11.92*	149.00**********	
XSECTION 92	DIVERT	.19	1	2	.08	.0	5.07	24.00	1.56	---	12.54	274.92	1409.8
XSECTION 92	REACH	.19	1	2	.08	.0	5.07	24.00	1.55	---	12.67	261.82	1342.6
XSECTION 92	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.51	---	12.51	224.95	1799.6
XSECTION 92	ADDHYD	.32	1	2	.08	.0	5.07	24.00	2.32	---	12.60	473.45	1479.5
XSECTION 98	REACH	.32	1	2	.08	.0	5.07	24.00	2.31	---	12.84	438.41	1370.0
XSECTION 95	REACH	.00	1	2	.08	.0	5.07	24.00	2.31	---	11.92*	149.00**********	
XSECTION 31	RUNOFF	.08	1	2	.08	.0	5.07	24.00	2.66	---	12.58	115.86	1379.3
XSECTION 32	REACH	.08	1	2	.08	.0	5.07	24.00	2.61	---	13.34	71.68	853.3
XSECTION 32	RUNOFF	.18	1	2	.08	.0	5.07	24.00	2.65	---	12.77	207.19	1151.0
XSECTION 32	ADDHYD	.26	1	2	.08	.0	5.07	24.00	2.64	---	12.84	244.89	927.6
XSECTION 94	REACH	.26	1	2	.08	.0	5.07	24.00	2.63	---	13.12	221.40	838.6
XSECTION 94	RUNOFF	.14	1	2	.08	.0	5.07	24.00	3.32	---	12.48	250.68	1803.5
XSECTION 94	ADDHYD	.40	1	2	.08	.0	5.07	24.00	2.87	---	12.55	365.85	907.8
XSECTION 95	REACH	.40	1	2	.08	.0	5.07	24.00	2.86	---	12.71	338.58	840.1
XSECTION 95	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.49	---	12.76	179.85	1438.8
XSECTION 95	ADDHYD	.53	1	2	.08	.0	5.07	24.00	3.01	---	12.72	517.69	980.5
XSECTION 95	ADDHYD	.53	1	2	.08	.0	5.07	24.00	7.30	---	12.72	666.69	1262.7
XSECTION 95	DIVERT	.00	1	2	.08	.0	5.07	24.00	7.30	---	11.84*	165.00**********	
XSECTION 98	DIVERT	.53	1	2	.08	.0	5.07	24.00	2.26	---	12.72	501.69	950.2
XSECTION 98	REACH	.53	1	2	.08	.0	5.07	24.00	2.26	---	12.93	463.73	878.3
XSECTION 98	ADDHYD	.85	1	2	.08	.0	5.07	24.00	2.28	---	12.87	897.70	1058.6
XSECTION 96	REACH	.00	1	2	.08	.0	5.07	24.00	2.28	---	11.84*	165.00**********	
XSECTION 96	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.12	---	12.54	203.49	1627.9
XSECTION 96	ADDHYD	.13	1	2	.08	.0	5.07	24.00	24.38	---	12.54	368.49	2947.9
XSECTION 96	DIVERT	.00	1	2	.08	.0	5.07	24.00	24.38	---	11.84*	185.00**********	
XSECTION 97	DIVERT	.13	1	2	.08	.0	5.07	24.00	1.98	---	12.54	183.49	1467.9

SUMMARY TABLE 2 - SELECTED MODIFIED ATT-KIN REACH ROUTINGS IN ORDER OF STANDARD EXECUTIVE CONTROL INSTRUCTIONS
(A STAR(*) AFTER VOLUME ABOVE BASE(IN) INDICATES A HYDROGRAPH TRUNCATED AT A VALUE EXCEEDING BASE + 10% OF PEAK
A QUESTION MARK(?) AFTER COEFF.(C) INDICATES PARAMETERS OUTSIDE ACCEPTABLE LIMITS, SEE PREVIOUS WARNINGS)

		HYDROGRAPH INFORMATION							ROUTING PARAMETERS									PEAK	
		INFLOW		OUTFLOW		OUTFLOW+ INTERV.AREA		BASE-	VOLUME ABOVE	MAIN TIME	ITER- ATION	Q AND A EQUATION		LENGTH	PEAK RATIO	S/Q @PEAK	ATT- KIN	TRAVEL TIME STOR-	TIME KINE-
XSEC ID	REACH LENGTH (FT)	PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)	FLOW (CFS)	BASE (IN)	INCR (HR)	#	COEFF (X)	POWER (M)	FACTOR (K*)	O/I (Q*)	(K) (SEC)	COEFF (C)	AGE (HR)	MATIC (HR)
ALTERNATE		1	STORM	1															
29	3800	33	12.6	9	13.9	82	12.9	0	.75	.08	1	.040	1.66	2.554	.269	7217	.04?	.48	1.37
33	2640	82	12.9	81	13.0	148	13.0	0	.77	.08	1	7.53	1.25	.013	.997	174	.91?	.08	.05
33	3000	89	12.8	89	13.0	---	---	0	.84	.08	1	6.29	1.25	.024	.996	225	.78?	.16	.06
93	2640	88	13.8	88	13.9	150	12.6	0	.00	.08	1	5.24	1.25	.006	1.000	230	.77?	.08	.06
92	1320	1	12.6	0	14.0	87	12.6	0	.00	.08	1	.080	1.66	45.028	.022	24296	.01?	.16	1.45
98	2500	87	12.6	71	12.9	---	---	0	.49	.08	1	.080	1.66	.278	.815	1166	.22	.16	.34
95	1320	149	12.6	149	12.6	---	---	0	.00	.08	0	6.26	1.25	.003	1.000	89	1.00?	.00	.00
32	3400	35	12.6	10	14.1	59	12.8	0	.75	.08	1	.030	1.66	2.229	.302	6940	.04?	.56	1.41
94	3200	59	12.8	44	13.3	106	12.6	0	.73	.08	1	.090	1.66	.177	.753	1630	.16	.40	.48
95	2400	106	12.6	89	12.8	155	12.8	0	.87	.08	1	.090	1.66	.075	.837	965	.26	.16	.28
98	3000	126	12.7	88	13.0	---	---	0	.26	.08	1	.080	1.66	.698	.700	1209	.21	.24	.36
96	1320	165	12.2	165	12.2	236	12.6	0	.00	.08	0	6.26	1.25	.002	1.000	88	1.00?	.00	.00
ALTERNATE		1	STORM	2															
29	3800	61	12.6	26	13.6	163	12.9	0	1.47	.08	1	.040	1.66	1.565	.429	4210	.07?	.32	1.00
33	2640	163	12.9	163	13.0	295	13.0	0	1.51	.08	1	7.53	1.25	.011	1.000	152	.97?	.08	.04
33	3000	170	12.8	169	12.9	---	---	0	1.60	.08	1	6.29	1.25	.021	.995	197	.84?	.08	.05
93	2640	107	14.2	107	14.2	264	12.6	0	.00*	.08	1	5.24	1.25	.003	1.000	221	.79?	.08	.06
92	1320	115	12.6	100	12.7	226	12.6	0	.45	.08	1	.080	1.66	.334	.871	552	.41	.16	.16
98	2500	226	12.6	196	12.9	---	---	0	1.11	.08	1	.080	1.66	.185	.868	799	.31	.16	.23
95	1320	149	12.2	149	12.2	---	---	0	.00*	.08	0	6.26	1.25	.001	1.000	89	1.00?	.00	.00
32	3400	66	12.6	30	13.7	120	12.8	0	1.47	.08	1	.030	1.66	1.390	.464	4026	.07?	.40	1.02
94	3200	120	12.8	101	13.2	203	12.6	0	1.45	.08	1	.090	1.66	.117	.843	1226	.21	.40	.35
95	2400	203	12.6	181	12.8	293	12.8	0	1.63	.08	1	.090	1.66	.050	.891	745	.32	.16	.21
98	3000	277	12.8	245	13.0	---	---	0	1.03	.08	1	.080	1.66	.152	.884	885	.28	.24	.25
96	1320	165	12.0	165	12.0	289	12.6	0	.00*	.08	0	6.26	1.25	.001	1.000	88	1.00?	.00	.00
ALTERNATE		1	STORM	3															
29	3800	74	12.6	37	13.4	211	12.9	0	1.83	.08	1	.040	1.66	1.331	.494	3503	.08?	.32	.91
33	2640	211	12.9	211	13.0	374	13.0	0	1.87	.08	1	7.53	1.25	.011	1.000	144	1.00?	.08	.04
33	3000	209	12.8	208	12.9	---	---	0	1.97	.08	1	6.29	1.25	.020	.997	189	.86?	.08	.05
93	2640	114	14.2	114	14.3	316	12.6	0	.00*	.08	1	5.24	1.25	.003	1.000	218	.80?	.08	.06
92	1320	167	12.6	152	12.7	304	12.6	0	.76	.08	1	.080	1.66	.202	.907	476	.46	.16	.13

SUMMARY TABLE 2 - SELECTED MODIFIED ATT-KIN REACH ROUTINGS IN ORDER OF STANDARD EXECUTIVE CONTROL INSTRUCTIONS
(A STAR(*) AFTER VOLUME ABOVE BASE(IN) INDICATES A HYDROGRAPH TRUNCATED AT A VALUE EXCEEDING BASE + 10% OF PEAK
A QUESTION MARK(?) AFTER COEFF.(C) INDICATES PARAMETERS OUTSIDE ACCEPTABLE LIMITS, SEE PREVIOUS WARNINGS)

		HYDROGRAPH INFORMATION							ROUTING PARAMETERS									PEAK TRAVEL TIME	
		INFLOW		OUTFLOW		OUTFLOW+ INTERV.AREA						Q AND A EQUATION							
XSEC ID	REACH LENGTH (FT)	PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)	BASE-FLOW (CFS)	VOLUME ABOVE BASE (IN)	MAIN TIME INCR (HR)	ITER-ATION #	COEFF (X)	POWER (M)	LENGTH FACTOR (K*)	PEAK RATIO O/I (Q*)	S/Q @PEAK (K) (SEC)	ATT-KIN COEFF (C)	STOR-AGE (HR)	KINE-MATIC (HR)
ALTERNATE		1	STORM	3															
98	2500	304	12.6	271	12.9	---	---	0	1.47	.08	1	.080	1.66	.158	.892	711	.34	.16	.20
95	1320	149	12.0	149	12.0	---	---	0	.00*	.08	0	6.26	1.25	.001	1.000	89	1.00?	.00	.00
32	3400	81	12.6	42	13.5	154	12.8	0	1.82	.08	1	.030	1.66	1.193	.525	3346	.08?	.40	.92
94	3200	154	12.8	134	13.1	251	12.6	0	1.81	.08	1	.090	1.66	.104	.869	1109	.23	.32	.32
95	2400	251	12.6	227	12.7	359	12.7	0	2.00	.08	1	.090	1.66	.044	.904	686	.35	.16	.19
98	3000	343	12.7	309	13.0	---	---	0	1.44	.08	1	.080	1.66	.109	.901	813	.30	.24	.23
96	1320	165	11.9	165	11.9	313	12.6	0	.00*	.08	0	6.26	1.25	.001	1.000	88	1.00?	.00	.00
ALTERNATE		1	STORM	4															
29	3800	104	12.6	64	13.4	313	12.9	0	2.66	.08	1	.040	1.66	1.005	.616	2517	.11?	.24	.76
33	2640	313	12.9	313	12.9	553	12.9	0	2.71	.08	0	7.53	1.25	.010	1.000	133	1.00?	.00	.00
33	3000	298	12.8	297	12.9	---	---	0	2.83	.08	1	6.29	1.25	.018	.999	176	.90?	.08	.05
93	2640	114	13.1	114	13.5	423	12.6	0	.00*	.08	1	5.24	1.25	.002	1.000	218	.80?	.40	.06
92	1320	274	12.6	261	12.6	469	12.6	0	1.56	.08	1	.080	1.66	.102	.951	391	.54	.08	.11
98	2500	469	12.6	436	12.8	---	---	0	2.32	.08	1	.080	1.66	.114	.929	598	.39	.08	.17
95	1320	149	11.9	149	11.9	---	---	0	.00*	.08	0	6.26	1.25	.001	1.000	89	1.00?	.00	.00
32	3400	116	12.6	72	13.4	244	12.9	0	2.66	.08	1	.030	1.66	.916	.619	2561	.11	.40	.78
94	3200	244	12.9	221	13.1	366	12.6	0	2.64	.08	1	.090	1.66	.088	.907	924	.27	.24	.26
95	2400	366	12.6	338	12.7	518	12.7	0	2.87	.08	1	.090	1.66	.035	.925	590	.39	.16	.17
98	3000	502	12.7	463	13.0	---	---	0	2.26	.08	1	.080	1.66	.075	.923	698	.34	.24	.20
96	1320	165	11.8	165	11.8	368	12.6	0	.00*	.08	0	6.26	1.25	.001	1.000	88	1.00?	.00	.00

SUMMARY TABLE 3 - DISCHARGE (CFS) AT XSECTIONS AND STRUCTURES FOR ALL STORMS AND ALTERNATES

XSECTION/ STRUCTURE ID	DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 1	2	3	4
STRUCTURE 33	.80				
ALTERNATE 1		87.54	106.55	113.98	131.58
XSECTION 12	.07				
ALTERNATE 1		32.53	60.86	74.48	105.26
XSECTION 29	.32				
ALTERNATE 1		81.61	163.07	210.66	312.64
XSECTION 30	.25				
ALTERNATE 1		89.50	169.84	208.97	298.17
XSECTION 31	.08				
ALTERNATE 1		34.54	65.99	81.11	115.86
XSECTION 32	.26				
ALTERNATE 1		58.74	120.32	154.88	244.89
XSECTION 33	.00				
ALTERNATE 1		87.54	106.55	113.98	114.00
XSECTION 92	.32				
ALTERNATE 1		87.51	226.19	304.19	473.45
XSECTION 93	.00				
ALTERNATE 1		150.02	149.00	149.00	149.00
XSECTION 94	.40				
ALTERNATE 1		106.76	203.78	251.01	365.85
XSECTION 95	.00				
ALTERNATE 1		165.00	165.00	165.00	165.00
XSECTION 96	.00				
ALTERNATE 1		185.00	185.00	185.00	185.00
XSECTION 97	.13				
ALTERNATE 1		50.81	103.52	128.27	183.49
XSECTION 98	.85				
ALTERNATE 1		157.97	435.18	577.10	897.70

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******************80-80 LIST OF INPUT DATA FOR TR-20 HYDROLOGY******************

JOB TR-20                                          SUMMARY   NOPLOTS
TITLE 000 EAST FORK CAVE CREEK - BENEFIT COST ANALYSIS
TITLE 000 J.N.: P81-194-015  FILENAME: BENCOST.DAT *FUTURE CONDITONS (2002)*
 5 RAINFL 1            .0208
 8          0.         .004       .008       .0130      .018
 8          .022       .026       .031       .035       .04
 8          .044       .048       .053       .057       .062
 8          .066       .071       .075       .080       .093
 8          .107       .120       .140       .170       .500
 8          .830       .860       .880       .893       .907
 8          .920       .924       .928       .933       .937
 8          .942       .947       .951       .956       .960
 8          .964       .969       .973       .978       .982
 8          .987       .991       .995       1.00       1.00
 9 ENDTBL
 6 RUNOFF 1 012       5 .07        82.        .42
 6 REACH  3 029   5   6 3800.      .04        1.66
 6 RUNOFF 1 029       5 .25        81.        1.03
 6 ADDHYD 4 029   5 6 7
 6 REACH  3 033   7   6 2640.      7.53       1.25
 6 RUNOFF 1 033       5 .234       80.        1.14
 6 ADDHYD 4 033   5 6 7                                .97
 6 RUNOFF 1 030       5 .125 .25   79.        .83
 6 REACH  3 032   5   6 3000.      6.29       1.25 1.66
 6 ADDHYD 4 033   6 7 5   2000     .04
 6 RESVOR 2    33 5   4 1458.
 6 DIVERT 6 033   4 7 5 114.                   92.        1 1   1
 6 REACH  3 093   7   6 2640.      5.24       1.25
 6 RUNOFF 1 093       5 .195       84.        .45
 6 ADDHYD 4 093   5 6 7
 6 DIVERT 6 093   7 5 2 149.                   92.        1 1   1
 6 REACH  3 092   2   6 1320.      .08        1.66
 6 RUNOFF 1 092       4 .125       86.        .47
 6 ADDHYD 4 092   4 6 7
 6 REACH  3 098   7   2 2500.      .08        1.66
 6 REACH  3 095   5   4 1320.      6.26       1.25
 6 RUNOFF 1 032       5 .109       80.        .81
 6 REACH  3 094   5   6 3200.      .09        1.66
 6 RUNOFF 1 094       5 .139       84.        .34
 6 ADDHYD 4 094   5 6 7
 6 REACH  3 095   7   6 2400.      .09        1.66
 6 RUNOFF 1 095       5 .125       86.        .98
 6 ADDHYD 4 095   5 6 7
 6 ADDHYD 4 095   4 7 5
 6 DIVERT 6 095   5 7 4 165.                   98.        1 1   1
```

surface elev. (ft) that routing begins.

Coefficient X in $Q = X A^m$

Exponent m in $Q = X A^m$

~~NO Stage/Storage/Discharge Curve~~

See page 18, pass 5 for table.

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**********************80-80 LIST OF INPUT DATA (CONTINUED)**********************

 6 REACH  3 098   4   5 3000.       .08         1.66
 6 ADDHYD 4 098   2 5 4
 6 REACH  3 096   7   6 1320.       6.26        1.25
 6 RUNOFF 1 096       5 .125        82.         .51
 6 ADDHYD 4 096   5 6 7
 6 DIVERT 6 096   7 5 6 185.                    97.         1 1   1
   ENDATA
 7 INCREM 6             .08
 7 COMPUT 7 012   096               2.53        24.         1 2  01  01
   ENDCMP 1
 7 COMPUT 7 012   096               3.57        24.         1 2  01  02
   ENDCMP 1
 7 COMPUT 7 012   096               4.04        24.         1 2  01  03
   ENDCMP 1
 7 COMPUT 7 012   096               5.07        24.         1 2  01  04
   ENDCMP 1
 3 STRUCT      33
 8                     1462.       0.          0.
 8                     1464.       21.         1.38
 8                     1465.       44.         3.5
 8                     1466.       68.         6.91
 8                     1467.       86.         12.
 8                     1468.       95.         18.53
 8                     1469.       102.        26.3
 8                     1470.       108.        35.6
 9 ENDTBL
 7 COMPUT 7 012   096               2.53        24.         1 2  01  01
   ENDCMP 1
 7 COMPUT 7 012   096               3.57        24.         1 2  01  02
   ENDCMP 1
 7 COMPUT 7 012   096               4.04        24.         1 2  01  03
   ENDCMP 1
 7 COMPUT 7 012   096               5.07        24.         1 2  01  04
   ENDCMP 1
   ENDJOB 2

*******************************END OF 80-80 LIST*******************************


MAIN - UNEXPECTED RECORD FOUND(IGNORED) >>>                                  <<<
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EXECUTIVE CONTROL OPERATION INCREM MAIN TIME INCREMENT = .08 HOURS RECORD ID

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 12 TO XSECTION 96 RECORD ID
STARTING TIME = .00 RAIN DEPTH = 2.53 RAIN DURATION= 24.00 RAIN TABLE NO.= 1 ANT. MOIST. COND= 2
ALTERNATE NO.= 1 STORM NO.= 1 MAIN TIME INCREMENT = .08 HOURS

*** WARNING REACH 29 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH ***

*** WARNING REACH 33 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 32 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION DIVERT CROSS SECTION 33

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.48	114.00*	(DIVERT) * FIRST POINT OF FLAT PEAK

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

11.20	DISCHG	.00	.00	.00	.00	.01	.05	.34	1.25	3.34	7.37
12.00	DISCHG	14.17	24.46	38.55	56.43	77.60	101.46	114.00	114.00	114.00	114.00
12.80	DISCHG	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00
13.60	DISCHG	111.40	99.90	90.14	81.59	74.06	67.36	61.41	56.19	51.67	47.76
14.40	DISCHG	44.39	41.52	39.09	37.03	35.27	33.77	32.44	31.26	30.19	29.17
15.20	DISCHG	28.16	27.11	25.96	24.67	23.27	21.79	20.32	18.89	17.56	16.36
16.00	DISCHG	15.30	14.38	13.59	12.94	12.39	11.93	11.55	11.24	10.98	10.75
16.80	DISCHG	10.53	10.31	10.09	9.85	9.62	9.40	9.20	9.04	8.92	8.83
17.60	DISCHG	8.77	8.74	8.72	8.70	8.69	8.67	8.65	8.61	8.56	8.48
18.40	DISCHG	8.39	8.27	8.13	8.00	7.87	7.76	7.69	7.65	7.64	7.64
19.20	DISCHG	7.66	7.66	7.65	7.61	7.54	7.45	7.35	7.24	7.14	7.04
20.00	DISCHG	6.96	6.88	6.83	6.80	6.80	6.82	6.87	6.94	7.01	7.08
20.80	DISCHG	7.13	7.15	7.14	7.10	7.05	6.99	6.95	6.92	6.93	6.97
21.60	DISCHG	7.02	7.08	7.12	7.15	7.15	7.11	7.06	7.00	6.95	6.91
22.40	DISCHG	6.91	6.93	6.97	7.03	7.09	7.13	7.14	7.12	7.08	7.01
23.20	DISCHG	6.93	6.85	6.77	6.70	6.64	6.59	6.57	6.56	6.58	6.63

RUNOFF VOLUME ABOVE BASEFLOW = .91 WATERSHED INCHES, 323.57 CFS-HRS, 26.74 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.93	113.30	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 92

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .68 SQ.MI.

12.00	DISCHG	.00	.00	.00	.00	.00	.00	13.17	39.49	64.52	86.24

12.80	DISCHG	102.65	111.82	112.80	106.35	94.25	78.54	61.02	43.13	26.26	10.92
13.60	DISCHG	.00									

RUNOFF VOLUME ABOVE BASEFLOW = .17 WATERSHED INCHES, 76.14 CFS-HRS, 6.29 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 93 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION DIVERT CROSS SECTION 93

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.32	149.00*	(DIVERT) * FIRST POINT OF FLAT PEAK

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

11.20	DISCHG	.00	.01	.04	.12	.39	2.06	6.67	15.37	28.58	44.68
12.00	DISCHG	62.96	83.10	105.52	130.49	149.00	149.00	149.00	149.00	149.00	149.00
12.80	DISCHG	149.00	149.00	149.00	145.10	138.67	133.92	130.54	128.06	126.34	125.24
13.60	DISCHG	124.34	121.36	110.85	100.32	90.94	82.82	75.71	69.48	64.08	59.42
14.40	DISCHG	55.39	51.91	48.92	46.34	44.11	42.19	40.54	39.11	37.77	36.31
15.20	DISCHG	34.56	32.71	30.89	29.20	27.58	25.97	24.37	22.80	21.30	19.90
16.00	DISCHG	18.65	17.56	16.65	15.92	15.32	14.81	14.38	14.00	13.64	13.29
16.80	DISCHG	12.97	12.67	12.40	12.15	11.94	11.77	11.64	11.52	11.40	11.31
17.60	DISCHG	11.24	11.19	11.16	11.14	11.13	11.12	11.07	10.99	10.87	10.73
18.40	DISCHG	10.59	10.45	10.32	10.22	10.16	10.12	10.08	10.06	10.03	9.99
19.20	DISCHG	9.92	9.85	9.77	9.70	9.64	9.55	9.45	9.35	9.24	9.13
20.00	DISCHG	9.03	8.97	8.96	8.99	9.05	9.11	9.18	9.23	9.26	9.26
20.80	DISCHG	9.24	9.22	9.20	9.18	9.17	9.19	9.22	9.26	9.29	9.32
21.60	DISCHG	9.34	9.32	9.29	9.26	9.23	9.20	9.17	9.17	9.20	9.23
22.40	DISCHG	9.26	9.29	9.32	9.32	9.30	9.26	9.23	9.20	9.16	9.10
23.20	DISCHG	9.03	8.95	8.86	8.78	8.71	8.69	8.71	8.78	8.85	8.94

RUNOFF VOLUME ABOVE BASEFLOW = 3.70 WATERSHED INCHES, 431.49 CFS-HRS, 35.66 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.58	88.66	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 92

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .19 SQ.MI.

12.00	DISCHG	.00	.00	.00	.00	8.83	38.48	69.94	87.63	83.41	65.18
12.80	DISCHG	41.70	20.56	5.23	.00						

RUNOFF VOLUME ABOVE BASEFLOW = .27 WATERSHED INCHES, 33.82 CFS-HRS, 2.79 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 95 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION DIVERT CROSS SECTION 95

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)	
12.24	165.00*	(DIVERT)	* FIRST POINT OF FLAT PEAK
19.09	14.21	(DIVERT)	

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

10.40	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02
11.20	DISCHG	.05	.09	.17	.31	.70	2.68	7.99	18.02	33.87	55.01
12.00	DISCHG	81.37	112.52	148.24	165.00	165.00	165.00	165.00	165.00	165.00	165.00
12.80	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
13.60	DISCHG	165.00	165.00	165.00	155.22	141.89	130.00	119.34	109.81	101.38	93.97
14.40	DISCHG	87.47	81.78	76.81	72.46	68.62	65.24	62.27	59.62	57.16	54.69
15.20	DISCHG	52.00	49.22	46.41	43.60	40.80	38.05	35.43	32.95	30.67	28.59
16.00	DISCHG	26.75	25.15	23.81	22.70	21.77	20.99	20.35	19.79	19.27	18.78
16.80	DISCHG	18.31	17.87	17.44	17.02	16.66	16.36	16.12	15.93	15.79	15.69
17.60	DISCHG	15.63	15.60	15.58	15.58	15.58	15.57	15.53	15.45	15.32	15.17
18.40	DISCHG	14.98	14.78	14.58	14.42	14.31	14.23	14.20	14.19	14.21	14.21
19.20	DISCHG	14.19	14.13	14.06	13.95	13.83	13.69	13.54	13.38	13.23	13.08
20.00	DISCHG	12.96	12.87	12.85	12.88	12.94	13.04	13.16	13.28	13.37	13.41
20.80	DISCHG	13.42	13.40	13.35	13.29	13.24	13.22	13.23	13.27	13.33	13.41
21.60	DISCHG	13.49	13.53	13.53	13.51	13.46	13.39	13.31	13.27	13.26	13.28
22.40	DISCHG	13.33	13.40	13.48	13.54	13.56	13.55	13.51	13.44	13.35	13.24
23.20	DISCHG	13.11	12.99	12.87	12.75	12.66	12.62	12.63	12.70	12.79	12.92

RUNOFF VOLUME ABOVE BASEFLOW = 2.89 WATERSHED INCHES, 573.78 CFS-HRS, 47.42 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.85	136.35	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 98

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .37 SQ.MI.

12.00	DISCHG	.00	.00	.00	23.02	57.12	72.93	88.48	103.08	116.22	127.41
12.80	DISCHG	135.04	135.73	128.97	113.61	94.38	77.50	63.39	51.63	41.94	34.16
13.60	DISCHG	27.64	19.77	4.86	.00						

RUNOFF VOLUME ABOVE BASEFLOW = .50 WATERSHED INCHES, 121.43 CFS-HRS, 10.04 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 96 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION DIVERT CROSS SECTION 96

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)	
12.16	185.00*	(DIVERT)	* FIRST POINT OF FLAT PEAK
17.91	17.04	(DIVERT)	
19.08	15.63	(DIVERT)	
22.66	14.97	(DIVERT)	

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

10.40	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02
11.20	DISCHG	.05	.09	.17	.31	.75	3.11	9.76	22.81	43.85	71.89
12.00	DISCHG	106.14	145.50	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00
12.80	DISCHG	185.00	185.00	185.00	185.00	182.93	179.52	176.94	175.03	173.63	172.63
13.60	DISCHG	171.89	171.23	170.61	160.29	146.51	134.29	123.43	113.80	105.34	97.93
14.40	DISCHG	91.44	85.77	80.81	76.44	72.57	69.15	66.13	63.45	60.93	58.27
15.20	DISCHG	55.25	52.04	48.78	45.59	42.53	39.60	36.85	34.29	31.95	29.83
16.00	DISCHG	27.97	26.37	25.04	23.96	23.08	22.35	21.73	21.19	20.66	20.14
16.80	DISCHG	19.64	19.15	18.68	18.25	17.89	17.62	17.42	17.27	17.17	17.10
17.60	DISCHG	17.06	17.04	17.03	17.03	17.04	17.03	16.99	16.88	16.71	16.50
18.40	DISCHG	16.27	16.03	15.82	15.67	15.59	15.55	15.56	15.59	15.63	15.63
19.20	DISCHG	15.57	15.48	15.36	15.22	15.07	14.91	14.75	14.58	14.42	14.28
20.00	DISCHG	14.15	14.08	14.08	14.15	14.27	14.41	14.57	14.70	14.78	14.80
20.80	DISCHG	14.76	14.70	14.62	14.54	14.49	14.50	14.55	14.64	14.74	14.84
21.60	DISCHG	14.92	14.94	14.90	14.84	14.75	14.65	14.56	14.54	14.57	14.64
22.40	DISCHG	14.73	14.83	14.92	14.97	14.95	14.90	14.82	14.72	14.60	14.47
23.20	DISCHG	14.34	14.20	14.08	13.96	13.87	13.84	13.89	14.01	14.15	14.32

RUNOFF VOLUME ABOVE BASEFLOW = 8.12 WATERSHED INCHES, 626.13 CFS-HRS, 51.74 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.58	50.81	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 97

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .13 SQ.MI.

12.00	DISCHG	.00	.00	4.27	28.64	35.63	42.02	47.52	50.72	49.38	42.00
12.80	DISCHG	30.84	19.43	9.73	2.72	.00					

RUNOFF VOLUME ABOVE BASEFLOW = .36 WATERSHED INCHES, 29.25 CFS-HRS, 2.42 ACRE-FEET; BASEFLOW = .00 CFS

EXECUTIVE CONTROL OPERATION ENDCMP COMPUTATIONS COMPLETED FOR PASS 1 RECORD ID

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 12 TO XSECTION 96 RECORD ID
STARTING TIME = .00 RAIN DEPTH = 3.57 RAIN DURATION= 24.00 RAIN TABLE NO.= 1 ANT. MOIST. COND= 2
ALTERNATE NO.= 1 STORM NO.= 2 MAIN TIME INCREMENT = .08 HOURS

*** WARNING REACH 29 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH ***

*** WARNING REACH 33 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 32 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION DIVERT CROSS SECTION 33

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)	
12.24	114.00*	(DIVERT)	* FIRST POINT OF FLAT PEAK
18.15	12.43	(DIVERT)	
19.34	11.57	(DIVERT)	

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

10.40	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
11.20	DISCHG	.04	.10	.19	.34	.64	1.41	3.42	7.74	15.71	28.83
12.00	DISCHG	48.27	74.42	106.83	114.00	114.00	114.00	114.00	114.00	114.00	114.00
12.80	DISCHG	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00
13.60	DISCHG	114.00	114.00	114.00	114.00	114.00	114.00	108.32	98.17	89.40	81.83
14.40	DISCHG	75.31	69.72	64.95	60.90	57.46	54.50	51.93	49.65	47.60	45.70
15.20	DISCHG	43.84	41.95	39.92	37.68	35.27	32.78	30.32	27.96	25.75	23.75
16.00	DISCHG	21.96	20.39	19.07	17.97	17.08	16.35	15.77	15.31	14.93	14.61
16.80	DISCHG	14.32	14.03	13.74	13.43	13.14	12.86	12.62	12.43	12.30	12.23
17.60	DISCHG	12.21	12.22	12.25	12.29	12.34	12.38	12.42	12.43	12.41	12.35
18.40	DISCHG	12.25	12.12	11.95	11.78	11.63	11.51	11.43	11.41	11.42	11.47
19.20	DISCHG	11.52	11.56	11.57	11.54	11.47	11.36	11.24	11.10	10.97	10.84
20.00	DISCHG	10.72	10.62	10.55	10.52	10.53	10.59	10.69	10.82	10.96	11.08
20.80	DISCHG	11.18	11.23	11.24	11.20	11.13	11.07	11.01	10.99	11.02	11.08
21.60	DISCHG	11.17	11.26	11.34	11.39	11.40	11.36	11.28	11.20	11.13	11.08
22.40	DISCHG	11.08	11.12	11.19	11.28	11.36	11.43	11.45	11.43	11.36	11.27
23.20	DISCHG	11.15	11.03	10.91	10.79	10.69	10.60	10.55	10.54	10.58	10.65

RUNOFF VOLUME ABOVE BASEFLOW = 1.69 WATERSHED INCHES, 432.55 CFS-HRS, 35.75 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.91	322.32	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 92

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .68 SQ.MI.

12.00	DISCHG	.00	.00	.00	30.60	72.44	117.08	163.18	208.72	250.53	285.30
12.80	DISCHG	309.97	321.60	319.04	304.02	279.86	250.10	217.62	184.39	152.22	121.98
13.60	DISCHG	94.61	71.10	51.24	34.10	19.13	5.95	.00			

RUNOFF VOLUME ABOVE BASEFLOW = .71 WATERSHED INCHES, 309.32 CFS-HRS, 25.56 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 93 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION DIVERT CROSS SECTION 93

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)	
12.08	149.00*	(DIVERT)	* FIRST POINT OF FLAT PEAK
18.05	16.14	(DIVERT)	

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

9.60	DISCHG	.00	.00	.00	.00	.00	.00	.00	.01	.04	.08
10.40	DISCHG	.14	.21	.29	.41	.56	.74	.94	1.14	1.36	1.64
11.20	DISCHG	2.03	2.52	3.05	3.59	4.78	10.18	23.22	44.99	74.20	107.50
12.00	DISCHG	143.81	149.00	149.00	149.00	149.00	149.00	149.00	149.00	149.00	149.00
12.80	DISCHG	149.00	149.00	149.00	149.00	149.00	146.10	140.56	136.51	133.70	131.90
13.60	DISCHG	130.44	128.97	127.48	126.20	125.25	124.73	124.42	119.76	110.76	102.00
14.40	DISCHG	94.25	87.51	81.68	76.65	72.29	68.55	65.35	62.58	60.01	57.35
15.20	DISCHG	54.27	51.08	47.96	45.08	42.31	39.57	36.88	34.26	31.77	29.47
16.00	DISCHG	27.39	25.55	24.01	22.75	21.73	20.90	20.20	19.61	19.07	18.56
16.80	DISCHG	18.09	17.67	17.30	16.97	16.70	16.50	16.36	16.23	16.13	16.05
17.60	DISCHG	15.99	15.98	16.00	16.04	16.08	16.13	16.14	16.08	15.96	15.80
18.40	DISCHG	15.64	15.47	15.33	15.22	15.17	15.14	15.13	15.13	15.12	15.10
19.20	DISCHG	15.03	14.95	14.87	14.79	14.71	14.61	14.49	14.36	14.22	14.08
20.00	DISCHG	13.95	13.86	13.86	13.93	14.03	14.15	14.27	14.38	14.45	14.47
20.80	DISCHG	14.46	14.45	14.43	14.42	14.43	14.48	14.55	14.62	14.68	14.74
21.60	DISCHG	14.78	14.76	14.72	14.68	14.63	14.59	14.56	14.58	14.63	14.69
22.40	DISCHG	14.75	14.80	14.85	14.85	14.81	14.76	14.72	14.67	14.61	14.52
23.20	DISCHG	14.42	14.29	14.16	14.04	13.93	13.88	13.91	14.00	14.12	14.25

RUNOFF VOLUME ABOVE BASEFLOW = 5.41 WATERSHED INCHES, 569.58 CFS-HRS, 47.07 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.53	178.00	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 92

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .19 SQ.MI.

12.00	DISCHG	.00	33.99	77.15	124.22	149.90	164.18	174.91	176.84	162.64	130.27
12.80	DISCHG	90.89	55.90	30.60	15.51	4.90	.00				

RUNOFF VOLUME ABOVE BASEFLOW = .89 WATERSHED INCHES, 111.68 CFS-HRS, 9.23 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 95 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION DIVERT CROSS SECTION 95

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)	
12.00	165.00*	(DIVERT)	* FIRST POINT OF FLAT PEAK
18.08	23.09	(DIVERT)	
19.13	21.79	(DIVERT)	
22.69	21.55	(DIVERT)	

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

9.60	DISCHG	.00	.00	.01	.02	.04	.06	.09	.14	.20	.29
10.40	DISCHG	.41	.55	.72	.94	1.21	1.54	1.93	2.34	2.80	3.35
11.20	DISCHG	4.04	4.88	5.85	6.92	8.79	15.29	30.43	57.20	97.22	147.88
12.00	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
12.80	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
13.60	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	163.11	149.75
14.40	DISCHG	138.01	127.83	119.02	111.39	104.77	99.03	94.06	89.73	85.81	81.93
15.20	DISCHG	77.71	73.21	68.55	63.97	59.56	55.34	51.34	47.59	44.12	40.96
16.00	DISCHG	38.12	35.64	33.54	31.82	30.43	29.31	28.40	27.63	26.93	26.27
16.80	DISCHG	25.63	25.02	24.45	23.93	23.50	23.18	22.96	22.82	22.75	22.71
17.60	DISCHG	22.71	22.75	22.81	22.89	22.98	23.06	23.09	23.05	22.92	22.71
18.40	DISCHG	22.46	22.19	21.94	21.74	21.63	21.60	21.62	21.69	21.75	21.79
19.20	DISCHG	21.77	21.69	21.56	21.40	21.23	21.05	20.85	20.65	20.45	20.25
20.00	DISCHG	20.08	19.96	19.93	20.01	20.16	20.37	20.59	20.80	20.96	21.04
20.80	DISCHG	21.04	20.99	20.91	20.82	20.77	20.78	20.85	20.97	21.12	21.27
21.60	DISCHG	21.39	21.44	21.42	21.35	21.24	21.12	21.01	20.97	20.99	21.08
22.40	DISCHG	21.20	21.33	21.47	21.54	21.55	21.49	21.39	21.27	21.12	20.96
23.20	DISCHG	20.78	20.59	20.41	20.23	20.08	20.00	20.02	20.13	20.32	20.54

RUNOFF VOLUME ABOVE BASEFLOW = 4.30 WATERSHED INCHES, 735.82 CFS-HRS, 60.81 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.77	264.45	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 98

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .37 SQ.MI.

12.00	DISCHG	41.75	72.61	99.71	127.12	154.08	180.15	204.88	227.53	247.36	261.59
12.80	DISCHG	263.61	252.00	231.84	209.39	188.07	165.88	143.01	123.24	106.20	91.83
13.60	DISCHG	79.26	67.76	57.06	47.10	38.01	30.04	23.03	12.39	.00	

RUNOFF VOLUME ABOVE BASEFLOW = 1.24 WATERSHED INCHES, 299.47 CFS-HRS, 24.75 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 96 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 96 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 20.54 CFS, 12.45 % OF PEAK.

OPERATION DIVERT CROSS SECTION 96

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)	
11.92	185.00*	(DIVERT)	* FIRST POINT OF FLAT PEAK
18.06	25.42	(DIVERT)	
19.11	24.06	(DIVERT)	
22.64	23.81	(DIVERT)	

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

9.60	DISCHG	.00	.00	.01	.02	.04	.06	.09	.14	.20	.29
10.40	DISCHG	.41	.55	.72	.94	1.22	1.57	1.99	2.47	3.01	3.67
11.20	DISCHG	4.51	5.53	6.72	8.03	10.45	18.87	38.85	74.36	126.60	185.00
12.00	DISCHG	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00
12.80	DISCHG	185.00	185.00	185.00	185.00	185.00	185.00	184.78	181.53	179.17	177.50
13.60	DISCHG	176.24	175.15	174.13	173.23	172.49	171.95	171.62	171.46	169.52	156.15
14.40	DISCHG	144.43	134.27	125.46	117.82	111.14	105.33	100.29	95.91	91.87	87.70
15.20	DISCHG	82.94	77.74	72.36	67.17	62.34	57.83	53.63	49.74	46.18	42.95
16.00	DISCHG	40.08	37.59	35.51	33.85	32.53	31.48	30.62	29.88	29.17	28.46
16.80	DISCHG	27.76	27.08	26.45	25.90	25.48	25.19	25.04	24.98	24.96	24.97
17.60	DISCHG	25.00	25.06	25.14	25.22	25.32	25.40	25.42	25.33	25.13	24.85
18.40	DISCHG	24.52	24.19	23.92	23.74	23.68	23.71	23.81	23.93	24.02	24.06
19.20	DISCHG	23.99	23.84	23.64	23.42	23.21	23.00	22.78	22.57	22.36	22.16
20.00	DISCHG	21.99	21.89	21.90	22.05	22.28	22.56	22.84	23.08	23.22	23.25
20.80	DISCHG	23.18	23.06	22.92	22.81	22.77	22.82	22.96	23.16	23.36	23.54
21.60	DISCHG	23.67	23.69	23.61	23.46	23.29	23.12	23.00	22.99	23.07	23.23
22.40	DISCHG	23.42	23.61	23.76	23.81	23.77	23.64	23.48	23.29	23.11	22.92
23.20	DISCHG	22.72	22.52	22.33	22.15	22.01	21.95	22.03	22.22	22.48	22.77

RUNOFF VOLUME ABOVE BASEFLOW = 10.95 WATERSHED INCHES, 805.34 CFS-HRS, 66.55 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.56	103.52	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 97

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .13 SQ.MI.

11.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.30
12.00	DISCHG	37.75	51.30	63.69	74.83	84.58	93.17	100.22	103.51	99.47	85.78
12.80	DISCHG	66.25	46.60	30.05	18.11	9.95	4.14	.00			

RUNOFF VOLUME ABOVE BASEFLOW = .96 WATERSHED INCHES, 77.84 CFS-HRS, 6.43 ACRE-FEET; BASEFLOW = .00 CFS

EXECUTIVE CONTROL OPERATION ENDCMP COMPUTATIONS COMPLETED FOR PASS 2 RECORD ID

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 12 TO XSECTION 96 RECORD ID
STARTING TIME = .00 RAIN DEPTH = 4.04 RAIN DURATION= 24.00 RAIN TABLE NO.= 1 ANT. MOIST. COND= 2
ALTERNATE NO.= 1 STORM NO.= 3 MAIN TIME INCREMENT = .08 HOURS

*** WARNING REACH 29 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH ***

*** WARNING REACH 33 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 32 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION DIVERT CROSS SECTION 33

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)	
12.08	114.00*	(DIVERT)	* FIRST POINT OF FLAT PEAK
18.16	14.31	(DIVERT)	
19.32	13.49	(DIVERT)	
22.85	13.44	(DIVERT)	

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

10.40	DISCHG	.00	.00	.00	.01	.03	.07	.13	.21	.34	.53
11.20	DISCHG	.80	1.15	1.61	2.20	3.13	5.23	9.67	17.92	31.84	53.15
12.00	DISCHG	82.63	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00
12.80	DISCHG	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00
13.60	DISCHG	114.00	114.00	114.00	114.00	114.00	114.00	114.00	111.55	101.38	92.63
14.40	DISCHG	85.11	78.70	73.26	68.65	64.73	61.36	58.42	55.82	53.48	51.27
15.20	DISCHG	49.08	46.82	44.36	41.65	38.79	35.90	33.09	30.41	27.94	25.70
16.00	DISCHG	23.72	22.02	20.61	19.45	18.53	17.79	17.22	16.78	16.41	16.10
16.80	DISCHG	15.81	15.52	15.21	14.90	14.60	14.33	14.11	13.95	13.86	13.83
17.60	DISCHG	13.85	13.91	13.98	14.07	14.15	14.23	14.28	14.31	14.29	14.22
18.40	DISCHG	14.10	13.94	13.75	13.57	13.42	13.30	13.25	13.25	13.30	13.37
19.20	DISCHG	13.44	13.48	13.48	13.44	13.34	13.22	13.07	12.91	12.75	12.60
20.00	DISCHG	12.47	12.37	12.31	12.30	12.33	12.43	12.57	12.73	12.90	13.04
20.80	DISCHG	13.14	13.18	13.17	13.11	13.03	12.96	12.91	12.90	12.95	13.04
21.60	DISCHG	13.15	13.26	13.34	13.38	13.37	13.30	13.21	13.12	13.04	13.00
22.40	DISCHG	13.01	13.08	13.17	13.28	13.37	13.43	13.44	13.40	13.30	13.18
23.20	DISCHG	13.04	12.89	12.74	12.61	12.49	12.41	12.37	12.37	12.43	12.54

RUNOFF VOLUME ABOVE BASEFLOW = 2.08 WATERSHED INCHES, 471.28 CFS-HRS, 38.95 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.87	426.47	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 92

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .68 SQ.MI.

12.00	DISCHG	.00	5.96	50.02	99.44	152.69	208.16	263.95	316.90	363.04	398.87
12.80	DISCHG	420.91	426.19	414.80	390.07	356.38	317.49	276.26	234.71	194.98	158.64
13.60	DISCHG	126.72	99.43	76.19	56.04	38.39	22.89	9.33	.00		

RUNOFF VOLUME ABOVE BASEFLOW = 1.00 WATERSHED INCHES, 438.17 CFS-HRS, 36.21 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 93 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 93 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 12.54 CFS, 11.00 % OF PEAK.

OPERATION DIVERT CROSS SECTION 93

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)	
12.00	149.00*	(DIVERT)	* FIRST POINT OF FLAT PEAK
18.07	18.59	(DIVERT)	
19.07	17.57	(DIVERT)	
22.62	17.42	(DIVERT)	

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

9.60	DISCHG	.00	.01	.04	.08	.16	.25	.36	.46	.57	.67
10.40	DISCHG	.77	.87	1.00	1.18	1.44	1.75	2.08	2.41	2.77	3.28
11.20	DISCHG	4.00	4.89	5.88	6.93	8.90	16.69	34.92	64.72	103.85	148.23
12.00	DISCHG	149.00	149.00	149.00	149.00	149.00	149.00	149.00	149.00	149.00	149.00
12.80	DISCHG	149.00	149.00	149.00	149.00	149.00	149.00	145.11	140.35	137.04	134.93
13.60	DISCHG	133.20	131.48	129.74	128.24	127.12	126.52	126.16	126.00	124.05	115.63
14.40	DISCHG	107.00	99.29	92.61	86.87	81.90	77.63	73.98	70.81	67.89	64.83
15.20	DISCHG	61.26	57.52	53.84	50.39	47.08	43.82	40.68	37.67	34.84	32.25
16.00	DISCHG	29.91	27.87	26.20	24.86	23.80	22.95	22.25	21.67	21.13	20.61
16.80	DISCHG	20.13	19.70	19.31	18.96	18.69	18.51	18.39	18.30	18.24	18.20
17.60	DISCHG	18.20	18.23	18.30	18.38	18.47	18.55	18.59	18.54	18.41	18.23
18.40	DISCHG	18.04	17.85	17.67	17.56	17.51	17.50	17.52	17.55	17.57	17.56
19.20	DISCHG	17.51	17.42	17.32	17.23	17.13	17.01	16.86	16.70	16.53	16.37
20.00	DISCHG	16.22	16.13	16.14	16.24	16.38	16.54	16.70	16.86	16.96	16.98
20.80	DISCHG	16.97	16.94	16.91	16.87	16.87	16.93	17.01	17.10	17.19	17.27
21.60	DISCHG	17.34	17.33	17.28	17.22	17.15	17.09	17.03	17.05	17.11	17.18
22.40	DISCHG	17.26	17.34	17.41	17.42	17.38	17.32	17.26	17.19	17.09	16.98
23.20	DISCHG	16.84	16.69	16.53	16.38	16.25	16.20	16.24	16.37	16.52	16.69

RUNOFF VOLUME ABOVE BASEFLOW = 6.12 WATERSHED INCHES, 616.84 CFS-HRS, 50.98 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.52	218.09	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 92

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .19 SQ.MI.

12.00	DISCHG	47.55	99.37	150.97	175.18	191.32	204.29	215.18	216.27	198.69	160.04
12.80	DISCHG	113.40	72.07	42.19	24.37	11.85	2.64	.00			

RUNOFF VOLUME ABOVE BASEFLOW = 1.22 WATERSHED INCHES, 153.58 CFS-HRS, 12.69 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 95 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 95 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 16.69 CFS, 11.20 % OF PEAK.

OPERATION DIVERT CROSS SECTION 95

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)	
11.92	165.00*	(DIVERT)	* FIRST POINT OF FLAT PEAK
18.09	26.68	(DIVERT)	
19.15	25.39	(DIVERT)	
22.69	25.24	(DIVERT)	

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

8.80	DISCHG	.00	.00	.00	.00	.00	.00	.01	.01	.03	.04
9.60	DISCHG	.07	.11	.18	.28	.43	.61	.83	1.06	1.30	1.55
10.40	DISCHG	1.79	2.04	2.31	2.64	3.08	3.60	4.21	4.87	5.59	6.47
11.20	DISCHG	7.60	8.98	10.59	12.37	15.27	24.53	45.54	82.05	135.65	165.00
12.00	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
12.80	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
13.60	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
14.40	DISCHG	160.44	148.32	137.81	128.73	120.86	114.03	108.12	102.97	98.33	93.76
15.20	DISCHG	88.77	83.44	77.88	72.41	67.15	62.16	57.51	53.22	49.28	45.72
16.00	DISCHG	42.54	39.77	37.46	35.57	34.07	32.88	31.92	31.11	30.37	29.66
16.80	DISCHG	28.96	28.29	27.65	27.07	26.61	26.28	26.08	25.98	25.95	25.98
17.60	DISCHG	26.04	26.13	26.25	26.37	26.50	26.62	26.68	26.65	26.50	26.27
18.40	DISCHG	25.97	25.65	25.36	25.15	25.04	25.03	25.09	25.21	25.32	25.38
19.20	DISCHG	25.38	25.28	25.12	24.93	24.72	24.49	24.25	24.02	23.79	23.57
20.00	DISCHG	23.38	23.25	23.23	23.33	23.53	23.80	24.08	24.35	24.55	24.63
20.80	DISCHG	24.63	24.54	24.43	24.31	24.23	24.25	24.34	24.50	24.69	24.89
21.60	DISCHG	25.05	25.11	25.09	24.98	24.84	24.67	24.53	24.47	24.50	24.61
22.40	DISCHG	24.77	24.95	25.13	25.22	25.23	25.16	25.02	24.85	24.66	24.45
23.20	DISCHG	24.23	24.01	23.79	23.59	23.42	23.33	23.37	23.51	23.74	24.03

RUNOFF VOLUME ABOVE BASEFLOW = 4.90 WATERSHED INCHES, 796.26 CFS-HRS, 65.80 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.76	316.76	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 98

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .37 SQ.MI.

11.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	.00	37.78
12.00	DISCHG	67.30	99.07	131.71	163.96	195.06	224.64	252.35	277.47	299.27	314.44
12.80	DISCHG	315.04	299.59	274.52	247.57	222.78	201.05	178.09	156.24	137.47	121.57
13.60	DISCHG	107.45	94.23	81.61	69.63	58.51	48.63	39.84	32.12	23.47	9.17
14.40	DISCHG	.00									

RUNOFF VOLUME ABOVE BASEFLOW = 1.59 WATERSHED INCHES, 382.87 CFS-HRS, 31.64 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 96 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 96 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 24.03 CFS, 14.56 % OF PEAK.

OPERATION DIVERT CROSS SECTION 96

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)	
11.92	185.00*	(DIVERT)	* FIRST POINT OF FLAT PEAK
18.07	29.40	(DIVERT)	
19.12	28.04	(DIVERT)	
22.65	27.88	(DIVERT)	

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

8.80	DISCHG	.00	.00	.00	.00	.00	.00	.01	.01	.03	.04
9.60	DISCHG	.07	.11	.18	.28	.43	.61	.83	1.06	1.31	1.57
10.40	DISCHG	1.84	2.12	2.44	2.84	3.37	4.00	4.74	5.53	6.40	7.47
11.20	DISCHG	8.83	10.50	12.42	14.55	18.23	30.18	57.85	106.01	175.33	185.00
12.00	DISCHG	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00
12.80	DISCHG	185.00	185.00	185.00	185.00	185.00	185.00	185.00	184.52	181.71	179.72
13.60	DISCHG	178.23	176.94	175.73	174.67	173.80	173.16	172.77	172.58	172.52	172.51
14.40	DISCHG	167.98	155.88	145.37	136.27	128.33	121.42	115.42	110.21	105.43	100.52
15.20	DISCHG	94.90	88.75	82.36	76.16	70.40	65.07	60.20	55.74	51.70	48.06
16.00	DISCHG	44.84	42.06	39.77	37.95	36.54	35.43	34.52	33.74	32.99	32.22
16.80	DISCHG	31.45	30.69	29.99	29.38	28.92	28.63	28.51	28.50	28.55	28.62
17.60	DISCHG	28.72	28.83	28.96	29.10	29.24	29.35	29.40	29.32	29.09	28.77
18.40	DISCHG	28.39	28.00	27.68	27.48	27.43	27.50	27.65	27.82	27.97	28.04
19.20	DISCHG	27.98	27.80	27.56	27.29	27.03	26.77	26.51	26.26	26.02	25.80
20.00	DISCHG	25.60	25.50	25.53	25.72	26.01	26.36	26.71	27.01	27.19	27.22
20.80	DISCHG	27.13	26.96	26.79	26.64	26.57	26.63	26.81	27.05	27.31	27.55
21.60	DISCHG	27.72	27.74	27.64	27.45	27.23	27.01	26.85	26.83	26.93	27.13
22.40	DISCHG	27.37	27.61	27.80	27.88	27.83	27.67	27.46	27.22	26.98	26.74
23.20	DISCHG	26.50	26.27	26.04	25.84	25.67	25.61	25.71	25.95	26.27	26.64

RUNOFF VOLUME ABOVE BASEFLOW = 12.09 WATERSHED INCHES, 872.22 CFS-HRS, 72.08 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.55	128.27	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 97

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .13 SQ.MI.

11.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	.00	37.17
12.00	DISCHG	54.49	70.41	84.65	97.24	108.05	117.46	125.03	128.20	122.78	106.09
12.80	DISCHG	82.63	59.16	39.43	25.21	15.49	8.56	3.37	.00		

RUNOFF VOLUME ABOVE BASEFLOW = 1.28 WATERSHED INCHES, 103.24 CFS-HRS, 8.53 ACRE-FEET; BASEFLOW = .00 CFS

EXECUTIVE CONTROL OPERATION ENDCMP COMPUTATIONS COMPLETED FOR PASS 3 RECORD ID

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 12 TO XSECTION 96 RECORD ID
STARTING TIME = .00 RAIN DEPTH = 5.07 RAIN DURATION= 24.00 RAIN TABLE NO.= 1 ANT. MOIST. COND= 2
ALTERNATE NO.= 1 STORM NO.= 4 MAIN TIME INCREMENT = .08 HOURS

*** WARNING REACH 33 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 32 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION DIVERT CROSS SECTION 33

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)	
12.00	114.00*	(DIVERT)	* FIRST POINT OF FLAT PEAK
18.20	18.75	(DIVERT)	
19.35	17.84	(DIVERT)	
22.86	17.83	(DIVERT)	

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

9.60	DISCHG	.00	.01	.01	.03	.07	.12	.21	.32	.47	.65
10.40	DISCHG	.87	1.13	1.42	1.76	2.16	2.61	3.15	3.77	4.47	5.28
11.20	DISCHG	6.22	7.31	8.57	10.01	12.05	16.12	24.13	38.37	61.60	96.15
12.00	DISCHG	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00
12.80	DISCHG	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00
13.60	DISCHG	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00
14.40	DISCHG	108.32	99.74	92.55	86.51	81.43	77.12	73.40	70.15	67.23	64.49
15.20	DISCHG	61.77	58.93	55.83	52.41	48.76	45.04	41.35	37.81	34.54	31.61
16.00	DISCHG	29.06	26.91	25.16	23.75	22.65	21.80	21.17	20.70	20.34	20.04
16.80	DISCHG	19.77	19.49	19.18	18.85	18.52	18.22	17.98	17.81	17.74	17.75
17.60	DISCHG	17.83	17.96	18.11	18.28	18.44	18.58	18.69	18.74	18.74	18.68
18.40	DISCHG	18.54	18.34	18.11	17.87	17.66	17.51	17.43	17.44	17.51	17.61
19.20	DISCHG	17.72	17.81	17.84	17.79	17.67	17.50	17.30	17.08	16.86	16.65
20.00	DISCHG	16.48	16.34	16.26	16.25	16.30	16.43	16.62	16.84	17.07	17.27
20.80	DISCHG	17.43	17.50	17.49	17.42	17.31	17.20	17.11	17.09	17.15	17.26
21.60	DISCHG	17.41	17.56	17.69	17.75	17.74	17.67	17.54	17.41	17.29	17.22
22.40	DISCHG	17.22	17.30	17.43	17.57	17.71	17.80	17.83	17.77	17.65	17.48
23.20	DISCHG	17.28	17.06	16.85	16.66	16.50	16.39	16.33	16.34	16.42	16.57

RUNOFF VOLUME ABOVE BASEFLOW = 2.95 WATERSHED INCHES, 545.58 CFS-HRS, 45.09 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.85	671.77	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 92

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .68 SQ.MI.

12.00	DISCHG	28.62	86.06	152.85	226.77	305.09	384.80	462.84	534.94	595.94	641.52
12.80	DISCHG	667.44	670.11	650.04	611.59	559.86	499.47	435.22	371.34	311.74	258.48
13.60	DISCHG	212.31	173.17	140.06	111.57	86.83	65.28	46.55	30.35	16.42	4.48
14.40	DISCHG	.00									

RUNOFF VOLUME ABOVE BASEFLOW = 1.71 WATERSHED INCHES, 747.29 CFS-HRS, 61.76 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 93 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 93 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 16.57 CFS, 14.53 % OF PEAK.

OPERATION DIVERT CROSS SECTION 93

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)	
11.84	149.00*	(DIVERT)	* FIRST POINT OF FLAT PEAK
14.36	130.45	(DIVERT)	
18.10	24.27	(DIVERT)	
19.08	23.09	(DIVERT)	
22.62	22.97	(DIVERT)	

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

8.00	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
8.80	DISCHG	.02	.03	.05	.08	.12	.21	.34	.49	.65	.81
9.60	DISCHG	.98	1.17	1.36	1.56	1.77	1.99	2.21	2.44	2.68	2.94
10.40	DISCHG	3.24	3.58	4.01	4.61	5.41	6.34	7.32	8.31	9.36	10.69
11.20	DISCHG	12.40	14.41	16.54	18.73	22.42	35.55	65.11	111.81	149.00	149.00
12.00	DISCHG	149.00	149.00	149.00	149.00	149.00	149.00	149.00	149.00	149.00	149.00
12.80	DISCHG	149.00	149.00	149.00	149.00	149.00	149.00	149.00	148.74	144.34	141.53
13.60	DISCHG	139.24	136.96	134.67	132.69	131.22	130.43	129.95	129.74	129.75	129.83
14.40	DISCHG	129.92	125.47	117.72	110.34	103.86	98.33	93.63	89.61	85.92	82.06
15.20	DISCHG	77.53	72.77	68.09	63.70	59.47	55.32	51.27	47.34	43.61	40.18
16.00	DISCHG	37.12	34.49	32.36	30.70	29.41	28.40	27.61	26.96	26.36	25.80
16.80	DISCHG	25.28	24.83	24.43	24.06	23.79	23.62	23.52	23.45	23.41	23.40
17.60	DISCHG	23.45	23.54	23.68	23.85	24.02	24.18	24.27	24.24	24.10	23.89
18.40	DISCHG	23.67	23.43	23.22	23.07	23.01	23.00	23.01	23.05	23.08	23.08
19.20	DISCHG	23.02	22.92	22.82	22.72	22.61	22.45	22.26	22.05	21.82	21.59
20.00	DISCHG	21.39	21.26	21.26	21.39	21.57	21.79	22.01	22.21	22.35	22.39
20.80	DISCHG	22.40	22.38	22.36	22.32	22.32	22.39	22.49	22.59	22.69	22.79
21.60	DISCHG	22.87	22.86	22.81	22.74	22.67	22.60	22.53	22.54	22.61	22.69
22.40	DISCHG	22.78	22.86	22.95	22.97	22.92	22.86	22.79	22.71	22.59	22.44
23.20	DISCHG	22.25	22.04	21.82	21.60	21.42	21.34	21.39	21.55	21.75	21.97

RUNOFF VOLUME ABOVE BASEFLOW = 7.63 WATERSHED INCHES, 713.93 CFS-HRS, 59.00 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.51	305.19	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 92

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .19 SQ.MI.

11.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	21.88	87.31
12.00	DISCHG	157.33	208.75	238.61	260.73	277.93	292.15	303.99	303.18	278.01	225.44
12.80	DISCHG	162.82	107.54	67.61	43.79	27.05	14.77	6.07	.00		

RUNOFF VOLUME ABOVE BASEFLOW = 1.96 WATERSHED INCHES, 246.94 CFS-HRS, 20.41 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 95 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 95 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 21.97 CFS, 14.74 % OF PEAK.

OPERATION DIVERT CROSS SECTION 95

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)	
11.84	165.00*	(DIVERT)	* FIRST POINT OF FLAT PEAK
18.12	34.89	(DIVERT)	
19.16	33.32	(DIVERT)	
22.69	33.20	(DIVERT)	

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

7.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.01	.01	.02
8.00	DISCHG	.03	.04	.05	.06	.07	.08	.10	.11	.12	.14
8.80	DISCHG	.16	.19	.23	.29	.37	.51	.71	.98	1.30	1.65
9.60	DISCHG	2.03	2.44	2.88	3.34	3.81	4.29	4.78	5.27	5.76	6.26
10.40	DISCHG	6.77	7.32	7.96	8.79	9.86	11.17	12.68	14.29	16.00	18.01
11.20	DISCHG	20.46	23.36	26.63	30.14	35.46	51.01	85.06	142.93	165.00	165.00
12.00	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
12.80	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
13.60	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
14.40	DISCHG	165.00	165.00	165.00	159.30	149.61	141.29	134.16	128.05	122.56	117.14
15.20	DISCHG	111.13	104.57	97.63	90.75	84.13	77.85	71.97	66.47	61.36	56.72
16.00	DISCHG	52.60	49.05	46.12	43.79	42.00	40.62	39.55	38.67	37.89	37.14
16.80	DISCHG	36.40	35.68	35.00	34.39	33.91	33.58	33.40	33.36	33.40	33.50
17.60	DISCHG	33.64	33.82	34.04	34.28	34.52	34.73	34.87	34.87	34.72	34.44
18.40	DISCHG	34.07	33.65	33.28	33.00	32.86	32.84	32.92	33.07	33.21	33.31
19.20	DISCHG	33.31	33.21	33.02	32.78	32.52	32.24	31.93	31.61	31.29	30.99
20.00	DISCHG	30.72	30.54	30.50	30.63	30.90	31.27	31.66	32.02	32.29	32.42
20.80	DISCHG	32.43	32.34	32.21	32.06	31.97	31.98	32.09	32.29	32.53	32.77
21.60	DISCHG	32.98	33.06	33.03	32.91	32.72	32.51	32.33	32.25	32.28	32.41
22.40	DISCHG	32.61	32.84	33.05	33.17	33.19	33.10	32.93	32.72	32.47	32.20
23.20	DISCHG	31.90	31.60	31.29	31.00	30.76	30.63	30.66	30.85	31.16	31.54

RUNOFF VOLUME ABOVE BASEFLOW = 6.21 WATERSHED INCHES, 918.64 CFS-HRS, 75.92 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.75	460.33	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 98

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .37 SQ.MI.

11.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	39.13	75.64
12.00	DISCHG	119.88	166.68	213.15	257.94	300.42	340.39	377.48	410.84	439.47	458.58
12.80	DISCHG	456.62	432.04	394.65	355.46	319.64	287.83	259.20	232.56	203.81	179.01
13.60	DISCHG	156.95	136.67	117.82	100.39	84.65	71.00	59.19	49.09	40.56	33.36
14.40	DISCHG	27.29	17.62	5.45	.00						

RUNOFF VOLUME ABOVE BASEFLOW = 2.40 WATERSHED INCHES, 577.44 CFS-HRS, 47.72 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 96 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 96 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 31.54 CFS, 19.12 % OF PEAK.

OPERATION DIVERT CROSS SECTION 96

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)	
11.84	185.00*	(DIVERT)	* FIRST POINT OF FLAT PEAK
14.52	175.72	(DIVERT)	
18.09	38.46	(DIVERT)	
19.13	36.80	(DIVERT)	
21.66	36.52	(DIVERT)	
22.65	36.67	(DIVERT)	

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

7.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.01	.01	.02
8.00	DISCHG	.03	.04	.05	.06	.07	.08	.10	.11	.12	.14
8.80	DISCHG	.16	.19	.23	.29	.37	.51	.71	.98	1.31	1.69
9.60	DISCHG	2.12	2.59	3.10	3.64	4.21	4.80	5.39	5.97	6.55	7.14
10.40	DISCHG	7.73	8.37	9.10	10.08	11.36	12.92	14.69	16.56	18.55	20.88
11.20	DISCHG	23.75	27.17	31.01	35.10	41.77	61.88	106.95	183.43	185.00	185.00
12.00	DISCHG	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00
12.80	DISCHG	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	184.59
13.60	DISCHG	182.59	180.85	179.24	177.82	176.66	175.81	175.29	175.04	174.95	174.94
14.40	DISCHG	174.97	175.00	175.00	169.27	159.49	151.06	143.82	137.62	131.95	126.09
15.20	DISCHG	119.23	111.59	103.54	95.71	88.43	81.71	75.52	69.80	64.55	59.81
16.00	DISCHG	55.63	52.06	49.17	46.94	45.25	43.98	42.98	42.15	41.35	40.53
16.80	DISCHG	39.68	38.86	38.09	37.43	36.96	36.69	36.62	36.68	36.82	36.98
17.60	DISCHG	37.17	37.39	37.63	37.88	38.13	38.35	38.46	38.40	38.14	37.73
18.40	DISCHG	37.25	36.75	36.34	36.08	36.01	36.10	36.29	36.52	36.71	36.80

19.20	DISCHG	36.74	36.53	36.23	35.90	35.57	35.24	34.91	34.57	34.24	33.92
20.00	DISCHG	33.65	33.50	33.53	33.78	34.17	34.65	35.12	35.52	35.77	35.82
20.80	DISCHG	35.72	35.53	35.31	35.12	35.04	35.12	35.34	35.64	35.97	36.28
21.60	DISCHG	36.48	36.52	36.39	36.15	35.87	35.60	35.39	35.36	35.48	35.72
22.40	DISCHG	36.02	36.33	36.57	36.67	36.60	36.40	36.13	35.83	35.52	35.21
23.20	DISCHG	34.89	34.57	34.25	33.95	33.71	33.62	33.74	34.05	34.48	34.97

RUNOFF VOLUME ABOVE BASEFLOW = 14.51 WATERSHED INCHES, 1010.96 CFS-HRS, 83.55 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.54	183.49	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 97

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .13 SQ.MI.

11.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	44.39	69.75
12.00	DISCHG	93.70	114.69	132.73	148.19	161.05	171.96	180.43	183.09	174.45	151.01
12.80	DISCHG	118.84	86.89	60.13	40.86	27.68	18.29	11.27	6.07	2.28	.00

RUNOFF VOLUME ABOVE BASEFLOW = 1.98 WATERSHED INCHES, 159.42 CFS-HRS, 13.17 ACRE-FEET; BASEFLOW = .00 CFS

EXECUTIVE CONTROL OPERATION ENDCMP COMPUTATIONS COMPLETED FOR PASS 4 RECORD ID

CHANGES TO TABULAR DATA FOLLOW

STRUCTURE DATA, STRUCTURE NO. 33

	ELEVATION	DISCHARGE	STORAGE
8	1462.00	.00	.00
8	1464.00	21.00	1.38
8	1465.00	44.00	3.50
8	1466.00	68.00	6.91
8	1467.00	86.00	12.00
8	1468.00	95.00	18.53
8	1469.00	102.00	26.30
8	1470.00	108.00	35.60
9 ENDTBL			

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 12 TO XSECTION 96 RECORD ID
STARTING TIME = .00 RAIN DEPTH = 2.53 RAIN DURATION= 24.00 RAIN TABLE NO.= 1 ANT. MOIST. COND= 2
ALTERNATE NO.= 1 STORM NO.= 1 MAIN TIME INCREMENT = .08 HOURS

*** WARNING REACH 29 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH ***

*** WARNING REACH 33 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 32 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION DIVERT CROSS SECTION 33

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.79	86.99	(DIVERT)

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

11.20	DISCHG	.00	.00	.00	.00	.00	.00	.02	.10	.31	.79
12.00	DISCHG	1.75	3.43	6.12	10.08	15.54	22.17	28.55	36.29	44.84	51.41
12.80	DISCHG	58.55	65.95	70.66	74.20	77.44	80.28	82.67	84.60	86.03	86.45
13.60	DISCHG	86.74	86.91	86.99	86.98	86.89	86.75	86.54	86.29	85.99	85.16
14.40	DISCHG	84.25	83.30	82.31	81.28	80.24	79.18	78.12	77.05	75.98	74.91
15.20	DISCHG	73.84	72.77	71.70	70.63	69.55	68.47	66.76	64.62	62.51	60.44
16.00	DISCHG	58.41	56.43	54.50	52.62	50.80	49.05	47.35	45.71	44.14	41.91
16.80	DISCHG	39.75	37.71	35.81	34.02	32.34	30.76	29.27	27.88	26.57	25.34
17.60	DISCHG	24.20	23.13	22.13	21.20	20.08	18.99	18.00	17.10	16.29	15.54
18.40	DISCHG	14.86	14.24	13.66	13.12	12.62	12.16	11.74	11.35	10.99	10.67
19.20	DISCHG	10.38	10.12	9.89	9.67	9.47	9.28	9.10	8.93	8.76	8.60
20.00	DISCHG	8.45	8.30	8.16	8.03	7.91	7.81	7.72	7.64	7.57	7.52
20.80	DISCHG	7.48	7.45	7.42	7.39	7.36	7.33	7.29	7.26	7.23	7.20
21.60	DISCHG	7.18	7.17	7.16	7.16	7.16	7.16	7.15	7.14	7.12	7.10

22.40	DISCHG	7.09	7.07	7.06	7.05	7.05	7.06	7.07	7.07	7.07	7.07
23.20	DISCHG	7.06	7.05	7.02	7.00	6.96	6.93	6.90	6.87	6.84	6.82

RUNOFF VOLUME ABOVE BASEFLOW = .90 WATERSHED INCHES, 394.29 CFS-HRS, 32.58 ACRE-FEET; BASEFLOW = .00 CFS

----- HYDROGRAPH CONTAINS NO FLOW -----

RUNOFF VOLUME ABOVE BASEFLOW = .00 WATERSHED INCHES, .00 CFS-HRS, .00 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 93 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION DIVERT CROSS SECTION 93

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.60	149.66	(DIVERT)
13.54	96.81	(DIVERT)

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

11.20	DISCHG	.00	.01	.04	.12	.39	2.06	6.63	15.11	27.61	42.06
12.00	DISCHG	57.17	71.99	86.46	100.70	114.74	129.11	143.71	149.00	149.00	142.71
12.80	DISCHG	126.07	112.00	103.99	100.18	97.69	96.34	95.93	95.98	96.32	96.80
13.60	DISCHG	96.59	96.05	95.35	94.65	94.07	93.68	93.37	93.10	92.87	92.62
14.40	DISCHG	91.96	91.13	90.20	89.19	88.11	86.99	85.87	84.75	83.56	82.14
15.20	DISCHG	80.35	78.44	76.60	74.97	73.54	72.22	70.99	69.33	67.25	65.13
16.00	DISCHG	63.03	60.99	59.05	57.19	55.39	53.62	51.90	50.20	48.52	46.86
16.80	DISCHG	44.69	42.47	40.36	38.39	36.59	34.94	33.42	31.98	30.62	29.32
17.60	DISCHG	28.10	26.94	25.86	24.85	23.91	22.83	21.71	20.64	19.63	18.70
18.40	DISCHG	17.86	17.11	16.45	15.89	15.42	14.99	14.60	14.22	13.83	13.45
19.20	DISCHG	13.05	12.67	12.32	12.01	11.76	11.53	11.32	11.13	10.95	10.77
20.00	DISCHG	10.61	10.48	10.40	10.35	10.31	10.27	10.20	10.12	10.01	9.86
20.80	DISCHG	9.72	9.60	9.52	9.47	9.46	9.50	9.56	9.60	9.63	9.62
21.60	DISCHG	9.59	9.50	9.40	9.31	9.25	9.21	9.20	9.25	9.33	9.40
22.40	DISCHG	9.45	9.47	9.47	9.42	9.33	9.25	9.18	9.13	9.11	9.09
23.20	DISCHG	9.08	9.06	9.04	9.02	9.00	9.00	9.05	9.11	9.17	9.21

RUNOFF VOLUME ABOVE BASEFLOW = 4.26 WATERSHED INCHES, 535.18 CFS-HRS, 44.23 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING-MAIN TIME INCREMENT MAY BE TOO LARGE.
COMPUTED PEAK(4.72) AT XSECTION 93 EXCEEDS MAX. ADJACENT HYDROGRAPH COORDINATE BY 10 %.

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.60	4.72	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 92

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .19 SQ.MI.

12.00	DISCHG	.00	.00	.00	.00	.00	.00	.00	4.05	4.26	.00

RUNOFF VOLUME ABOVE BASEFLOW = .01 WATERSHED INCHES, .72 CFS-HRS, .06 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 92 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH ***

*** WARNING-NO PEAK FOUND, MAXIMUM DISCHARGE = .23 CFS.

*** WARNING REACH 95 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION DIVERT CROSS SECTION 95

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.32	165.00*	(DIVERT) * FIRST POINT OF FLAT PEAK

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

10.40	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02
11.20	DISCHG	.05	.09	.17	.31	.70	2.68	7.95	17.76	32.89	52.39
12.00	DISCHG	75.58	101.41	129.18	158.23	165.00	165.00	165.00	165.00	165.00	165.00
12.80	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
13.60	DISCHG	164.88	159.46	154.36	149.55	145.02	140.86	136.99	133.43	130.17	127.17
14.40	DISCHG	124.04	121.00	118.10	115.31	112.62	110.05	107.59	105.26	102.96	100.52
15.20	DISCHG	97.79	94.96	92.12	89.37	86.76	84.31	82.05	79.49	76.62	73.81
16.00	DISCHG	71.13	68.59	66.21	63.97	61.84	59.81	57.87	55.99	54.15	52.34
16.80	DISCHG	50.04	47.66	45.39	43.27	41.31	39.53	37.90	36.40	35.01	33.71
17.60	DISCHG	32.49	31.35	30.29	29.29	28.35	27.28	26.17	25.10	24.08	23.13
18.40	DISCHG	22.25	21.44	20.71	20.09	19.56	19.11	18.71	18.35	18.01	17.67
19.20	DISCHG	17.31	16.95	16.60	16.26	15.95	15.67	15.40	15.16	14.94	14.73
20.00	DISCHG	14.54	14.39	14.29	14.23	14.20	14.19	14.18	14.16	14.11	14.01
20.80	DISCHG	13.90	13.78	13.67	13.58	13.53	13.53	13.56	13.62	13.67	13.72
21.60	DISCHG	13.74	13.71	13.64	13.56	13.48	13.40	13.35	13.35	13.39	13.45
22.40	DISCHG	13.52	13.59	13.63	13.63	13.59	13.53	13.45	13.37	13.30	13.23
23.20	DISCHG	13.16	13.10	13.04	12.99	12.94	12.93	12.97	13.03	13.10	13.19

RUNOFF VOLUME ABOVE BASEFLOW = 3.32 WATERSHED INCHES, 717.13 CFS-HRS, 59.26 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.71	121.27	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 98

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .37 SQ.MI.

12.00	DISCHG	.00	.00	.00	.00	22.86	53.04	83.18	103.08	116.22	121.12
12.80	DISCHG	112.11	98.73	83.96	68.69	53.41	39.93	28.78	19.55	11.93	5.72
13.60	DISCHG	.00									

RUNOFF VOLUME ABOVE BASEFLOW = .34 WATERSHED INCHES, 81.72 CFS-HRS, 6.75 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 96 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION DIVERT CROSS SECTION 96

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.24	185.00*	(DIVERT) * FIRST POINT OF FLAT PEAK

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

10.40	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02
11.20	DISCHG	.05	.09	.17	.31	.75	3.11	9.71	22.55	42.88	69.27
12.00	DISCHG	100.36	134.40	170.21	185.00	185.00	185.00	185.00	185.00	185.00	185.00
12.80	DISCHG	185.00	185.00	185.00	185.00	182.93	179.52	176.94	175.03	173.63	172.63
13.60	DISCHG	171.77	165.70	159.97	154.62	149.64	145.15	141.08	137.42	134.13	131.13
14.40	DISCHG	128.01	124.99	122.09	119.29	116.57	113.95	111.46	109.09	106.72	104.10
15.20	DISCHG	101.04	97.78	94.49	91.37	88.49	85.86	83.47	80.83	77.90	75.06
16.00	DISCHG	72.35	69.80	67.44	65.23	63.15	61.16	59.25	57.39	55.54	53.71
16.80	DISCHG	51.36	48.95	46.64	44.50	42.55	40.79	39.20	37.74	36.39	35.12
17.60	DISCHG	33.92	32.79	31.74	30.74	29.81	28.74	27.62	26.52	25.46	24.46
18.40	DISCHG	23.54	22.69	21.95	21.34	20.84	20.43	20.07	19.75	19.43	19.09
19.20	DISCHG	18.70	18.30	17.90	17.53	17.19	16.89	16.61	16.36	16.13	15.92
20.00	DISCHG	15.74	15.59	15.52	15.51	15.53	15.57	15.59	15.59	15.53	15.40
20.80	DISCHG	15.24	15.08	14.93	14.83	14.78	14.81	14.89	14.98	15.08	15.15
21.60	DISCHG	15.17	15.12	15.01	14.89	14.76	14.66	14.60	14.62	14.70	14.80
22.40	DISCHG	14.91	15.01	15.07	15.06	14.99	14.88	14.76	14.65	14.55	14.46
23.20	DISCHG	14.38	14.32	14.26	14.20	14.15	14.16	14.23	14.34	14.47	14.59

RUNOFF VOLUME ABOVE BASEFLOW = 9.90 WATERSHED INCHES, 770.42 CFS-HRS, 63.67 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.58	50.81	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 97

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .13 SQ.MI.

12.00	DISCHG	.00	.00	.00	21.86	35.63	42.02	47.52	50.72	49.38	42.00
12.80	DISCHG	30.84	19.43	9.73	2.72	.00					

RUNOFF VOLUME ABOVE BASEFLOW = .35 WATERSHED INCHES, 28.30 CFS-HRS, 2.34 ACRE-FEET; BASEFLOW = .00 CFS

EXECUTIVE CONTROL OPERATION ENDCMP COMPUTATIONS COMPLETED FOR PASS 5 RECORD ID

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 12 TO XSECTION 96 RECORD ID
STARTING TIME = .00 RAIN DEPTH = 3.57 RAIN DURATION= 24.00 RAIN TABLE NO.= 1 ANT. MOIST. COND= 2
ALTERNATE NO.= 1 STORM NO.= 2 MAIN TIME INCREMENT = .08 HOURS

*** WARNING REACH 29 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH ***

*** WARNING REACH 33 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 32 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION DIVERT CROSS SECTION 33

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.11	105.23	(DIVERT)

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

11.20	DISCHG	.00	.01	.02	.05	.09	.18	.39	.89	1.93	3.88
12.00	DISCHG	7.20	12.38	19.88	27.52	37.07	47.26	56.67	67.73	74.24	81.35
12.80	DISCHG	87.17	90.28	93.40	95.92	97.77	99.44	100.91	102.13	102.90	103.53
13.60	DISCHG	104.03	104.43	104.73	104.95	105.10	105.19	105.23	105.22	105.18	105.09
14.40	DISCHG	104.98	104.84	104.68	104.50	104.31	104.10	103.89	103.66	103.43	103.19
15.20	DISCHG	102.94	102.68	102.42	102.15	101.82	101.41	101.00	100.57	100.13	99.69
16.00	DISCHG	99.23	98.77	98.30	97.82	97.35	96.87	96.39	95.91	95.43	94.92
16.80	DISCHG	94.19	93.47	92.75	92.03	91.31	90.60	89.90	89.19	88.50	87.81
17.60	DISCHG	87.12	86.44	85.41	83.72	82.07	80.46	78.89	77.35	75.85	74.38
18.40	DISCHG	72.95	71.54	70.17	68.82	67.02	64.50	62.08	59.78	57.58	55.48
19.20	DISCHG	53.48	51.58	49.76	48.02	46.36	44.77	42.85	40.66	38.61	36.69
20.00	DISCHG	34.90	33.22	31.65	30.19	28.83	27.56	26.39	25.31	24.31	23.39
20.80	DISCHG	22.54	21.75	21.03	20.10	19.24	18.46	17.75	17.10	16.52	16.00
21.60	DISCHG	15.53	15.12	14.75	14.43	14.14	13.87	13.63	13.40	13.18	12.99
22.40	DISCHG	12.80	12.64	12.50	12.38	12.28	12.19	12.12	12.05	11.99	11.93
23.20	DISCHG	11.86	11.78	11.71	11.62	11.54	11.45	11.37	11.29	11.22	11.16

RUNOFF VOLUME ABOVE BASEFLOW = 1.67 WATERSHED INCHES, 733.01 CFS-HRS, 60.58 ACRE-FEET; BASEFLOW = .00 CFS

----- HYDROGRAPH CONTAINS NO FLOW -----

RUNOFF VOLUME ABOVE BASEFLOW = .00 WATERSHED INCHES, .00 CFS-HRS, .00 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 93 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 93 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 11.16 CFS, 10.61 % OF PEAK.

OPERATION DIVERT CROSS SECTION 93

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)	
12.16	149.00*	(DIVERT)	* FIRST POINT OF FLAT PEAK
14.34	115.53	(DIVERT)	

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

9.60	DISCHG	.00	.00	.00	.00	.00	.00	.00	.01	.04	.08
10.40	DISCHG	.14	.21	.29	.41	.56	.74	.94	1.14	1.36	1.64
11.20	DISCHG	2.02	2.48	2.97	3.45	4.52	9.69	22.14	42.36	68.20	95.29
12.00	DISCHG	121.44	145.69	149.00	149.00	149.00	149.00	149.00	149.00	149.00	149.00
12.80	DISCHG	149.00	149.00	149.00	143.04	135.11	129.32	125.52	123.01	121.49	120.57
13.60	DISCHG	119.78	118.85	117.80	116.84	116.13	115.78	115.59	115.50	115.51	115.53
14.40	DISCHG	115.53	115.47	115.34	115.14	114.85	114.53	114.21	113.91	113.49	112.70
15.20	DISCHG	111.33	109.76	108.28	107.14	106.29	105.60	104.98	104.42	103.89	103.40
16.00	DISCHG	102.92	102.47	102.09	101.75	101.42	101.05	100.65	100.20	99.67	99.08
16.80	DISCHG	98.45	97.65	96.85	96.09	95.41	94.80	94.22	93.64	93.03	92.39
17.60	DISCHG	91.73	91.07	90.41	89.46	87.93	86.31	84.65	82.98	81.29	79.64
18.40	DISCHG	78.05	76.53	75.10	73.77	72.52	70.95	68.72	66.41	64.11	61.85
19.20	DISCHG	59.62	57.46	55.41	53.47	51.66	49.94	48.31	46.44	44.31	42.24
20.00	DISCHG	40.29	38.50	36.89	35.44	34.09	32.82	31.60	30.43	29.27	28.13
20.80	DISCHG	27.05	26.07	25.19	24.41	23.56	22.81	22.14	21.54	20.96	20.41
21.60	DISCHG	19.85	19.27	18.71	18.21	17.77	17.42	17.14	16.97	16.87	16.79
22.40	DISCHG	16.69	16.57	16.42	16.21	15.97	15.72	15.52	15.37	15.25	15.15
23.20	DISCHG	15.07	14.99	14.91	14.82	14.75	14.73	14.76	14.83	14.88	14.92

RUNOFF VOLUME ABOVE BASEFLOW = 7.80 WATERSHED INCHES, 923.24 CFS-HRS, 76.30 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.58	117.50	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 92

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .19 SQ.MI.

12.00	DISCHG	.00	.00	20.12	43.29	64.47	85.44	105.62	116.98	113.49	88.53
12.80	DISCHG	56.32	27.44	5.87	.00						

RUNOFF VOLUME ABOVE BASEFLOW = .46 WATERSHED INCHES, 58.17 CFS-HRS, 4.81 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 95 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 95 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 14.92 CFS, 10.01 % OF PEAK.

OPERATION DIVERT CROSS SECTION 95

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)	
12.00	165.00*	(DIVERT)	* FIRST POINT OF FLAT PEAK

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

9.60	DISCHG	.00	.00	.01	.02	.04	.06	.09	.14	.20	.29
10.40	DISCHG	.41	.55	.72	.94	1.21	1.54	1.93	2.34	2.80	3.35
11.20	DISCHG	4.03	4.84	5.77	6.77	8.52	14.80	29.35	54.57	91.22	135.67
12.00	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
12.80	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
13.60	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	163.28
14.40	DISCHG	159.29	155.79	152.68	149.88	147.33	145.01	142.92	141.07	139.28	137.28
15.20	DISCHG	134.77	131.90	128.87	126.03	123.54	121.36	119.44	117.75	116.24	114.88
16.00	DISCHG	113.65	112.56	111.62	110.82	110.11	109.47	108.85	108.22	107.53	106.79
16.80	DISCHG	105.99	105.00	104.00	103.06	102.21	101.47	100.82	100.23	99.65	99.06
17.60	DISCHG	98.45	97.84	97.22	96.32	94.83	93.23	91.61	89.95	88.26	86.55
18.40	DISCHG	84.87	83.25	81.71	80.29	78.99	77.40	75.21	72.96	70.74	68.55
19.20	DISCHG	66.36	64.20	62.10	60.08	58.18	56.37	54.66	52.73	50.54	48.42
20.00	DISCHG	46.43	44.60	42.96	41.52	40.22	39.04	37.92	36.85	35.78	34.70
20.80	DISCHG	33.63	32.61	31.66	30.82	29.90	29.11	28.45	27.89	27.40	26.93
21.60	DISCHG	26.47	25.95	25.41	24.88	24.38	23.94	23.59	23.36	23.23	23.17
22.40	DISCHG	23.14	23.11	23.04	22.90	22.70	22.45	22.20	21.96	21.76	21.58
23.20	DISCHG	21.43	21.28	21.15	21.02	20.91	20.85	20.87	20.96	21.08	21.21

RUNOFF VOLUME ABOVE BASEFLOW = 5.77 WATERSHED INCHES, 1103.66 CFS-HRS, 91.21 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.77	264.45	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 98

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .37 SQ.MI.

12.00	DISCHG	19.38	69.31	99.71	127.12	154.08	180.15	204.88	227.53	247.36	261.59
12.80	DISCHG	263.61	252.00	231.84	203.43	174.18	149.11	127.98	109.74	93.99	80.50
13.60	DISCHG	68.61	57.65	47.37	37.74	28.90	21.10	14.19	8.13	2.87	.00

RUNOFF VOLUME ABOVE BASEFLOW = 1.19 WATERSHED INCHES, 285.33 CFS-HRS, 23.58 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 96 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 96 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 21.21 CFS, 12.86 % OF PEAK.

OPERATION DIVERT CROSS SECTION 96

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)	
12.00	185.00*	(DIVERT)	* FIRST POINT OF FLAT PEAK
22.46	25.38	(DIVERT)	

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

9.60	DISCHG	.00	.00	.01	.02	.04	.06	.09	.14	.20	.29

10.40	DISCHG	.41	.55	.72	.94	1.22	1.57	1.99	2.47	3.01	3.67
11.20	DISCHG	4.50	5.50	6.64	7.88	10.18	18.37	37.78	71.73	120.60	179.09
12.00	DISCHG	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00
12.80	DISCHG	185.00	185.00	185.00	185.00	185.00	185.00	184.78	181.53	179.17	177.50
13.60	DISCHG	176.24	175.15	174.13	173.23	172.49	171.95	171.62	171.46	171.41	169.68
14.40	DISCHG	165.71	162.23	159.12	156.31	153.70	151.31	149.16	147.24	145.34	143.06
15.20	DISCHG	140.00	136.43	132.68	129.24	126.32	123.85	121.73	119.90	118.30	116.88
16.00	DISCHG	115.61	114.51	113.60	112.85	112.21	111.64	111.07	110.47	109.77	108.98
16.80	DISCHG	108.11	107.06	106.00	105.03	104.19	103.49	102.90	102.38	101.86	101.32
17.60	DISCHG	100.74	100.15	99.54	98.65	97.17	95.57	93.93	92.23	90.47	88.69
18.40	DISCHG	86.93	85.25	83.69	82.28	81.03	79.52	77.39	75.20	73.01	70.81
19.20	DISCHG	68.58	66.36	64.18	62.10	60.16	58.33	56.60	54.65	52.45	50.32
20.00	DISCHG	48.33	46.52	44.93	43.56	42.34	41.23	40.17	39.12	38.04	36.91
20.80	DISCHG	35.77	34.68	33.68	32.81	31.90	31.15	30.56	30.08	29.64	29.21
21.60	DISCHG	28.75	28.20	27.60	26.99	26.43	25.95	25.59	25.38	25.31	25.33
22.40	DISCHG	25.36	25.38	25.33	25.18	24.92	24.60	24.28	23.99	23.75	23.55
23.20	DISCHG	23.37	23.22	23.08	22.94	22.83	22.80	22.88	23.04	23.24	23.45

RUNOFF VOLUME ABOVE BASEFLOW = 15.51 WATERSHED INCHES, 1173.85 CFS-HRS, 97.01 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.56	103.52	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 97

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .13 SQ.MI.

12.00	DISCHG	37.75	51.30	63.69	74.83	84.58	93.17	100.22	103.51	99.47	85.78
12.80	DISCHG	66.25	46.60	30.05	18.11	9.95	4.14	.00			

RUNOFF VOLUME ABOVE BASEFLOW = .96 WATERSHED INCHES, 77.17 CFS-HRS, 6.38 ACRE-FEET; BASEFLOW = .00 CFS

EXECUTIVE CONTROL OPERATION ENDCMP COMPUTATIONS COMPLETED FOR PASS 6 RECORD ID

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 12 TO XSECTION 96 RECORD ID
STARTING TIME = .00 RAIN DEPTH = 4.04 RAIN DURATION= 24.00 RAIN TABLE NO.= 1 ANT. MOIST. COND= 2
ALTERNATE NO.= 1 STORM NO.= 3 MAIN TIME INCREMENT = .08 HOURS

*** WARNING REACH 29 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH ***

*** WARNING REACH 33 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 32 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION DIVERT CROSS SECTION 33

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.16	111.77	(DIVERT)

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

10.40	DISCHG	.00	.00	.00	.00	.00	.01	.02	.03	.05	.09
11.20	DISCHG	.15	.23	.34	.49	.70	1.03	1.64	2.81	4.92	8.52
12.00	DISCHG	14.21	22.12	30.42	41.38	51.32	62.37	71.79	79.48	86.84	90.54
12.80	DISCHG	94.47	97.28	99.88	102.25	103.89	105.37	106.67	107.79	108.73	109.50
13.60	DISCHG	110.13	110.63	111.02	111.31	111.52	111.66	111.74	111.77	111.74	111.68
14.40	DISCHG	111.58	111.46	111.31	111.14	110.95	110.74	110.53	110.30	110.06	109.82
15.20	DISCHG	109.56	109.30	109.03	108.75	108.46	108.15	107.84	107.52	107.18	106.84
16.00	DISCHG	106.49	106.14	105.77	105.41	105.04	104.67	104.30	103.93	103.56	103.19
16.80	DISCHG	102.81	102.44	102.07	101.58	101.07	100.55	100.04	99.53	99.02	98.52
17.60	DISCHG	98.01	97.51	97.02	96.53	96.04	95.55	95.07	94.37	93.64	92.92
18.40	DISCHG	92.21	91.50	90.80	90.10	89.40	88.71	88.03	87.35	86.68	86.01
19.20	DISCHG	84.35	82.71	81.11	79.55	78.02	76.52	75.06	73.62	72.22	70.84
20.00	DISCHG	69.50	68.18	65.81	63.38	61.05	58.84	56.73	54.73	52.82	51.01
20.80	DISCHG	49.28	47.64	46.07	44.58	42.70	40.64	38.72	36.93	35.27	33.73
21.60	DISCHG	32.30	30.98	29.75	28.62	27.56	26.58	25.66	24.79	23.98	23.22
22.40	DISCHG	22.51	21.86	21.25	20.58	19.89	19.27	18.71	18.20	17.74	17.31
23.20	DISCHG	16.90	16.53	16.17	15.84	15.52	15.23	14.95	14.71	14.49	14.29

RUNOFF VOLUME ABOVE BASEFLOW = 2.05 WATERSHED INCHES, 897.98 CFS-HRS, 74.21 ACRE-FEET; BASEFLOW = .00 CFS

----- HYDROGRAPH CONTAINS NO FLOW -----

RUNOFF VOLUME ABOVE BASEFLOW = .00 WATERSHED INCHES, .00 CFS-HRS, .00 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 93 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 93 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 14.29 CFS, 12.79 % OF PEAK.

OPERATION DIVERT CROSS SECTION 93

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)	
12.00	149.00*	(DIVERT)	* FIRST POINT OF FLAT PEAK
14.39	123.84	(DIVERT)	

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

9.60	DISCHG	.00	.01	.04	.08	.16	.25	.36	.46	.57	.67
10.40	DISCHG	.77	.87	1.00	1.18	1.43	1.72	2.02	2.31	2.61	3.02
11.20	DISCHG	3.60	4.29	5.02	5.74	7.29	14.42	31.11	57.55	90.35	124.04
12.00	DISCHG	149.00	149.00	149.00	149.00	149.00	149.00	149.00	149.00	149.00	149.00

12.80	DISCHG	149.00	149.00	149.00	149.00	148.47	141.06	136.08	132.67	130.53	129.40
13.60	DISCHG	128.50	127.43	126.23	125.15	124.35	123.98	123.78	123.72	123.76	123.82
14.40	DISCHG	123.84	123.81	123.70	123.49	123.19	122.85	122.51	122.19	121.74	120.86
15.20	DISCHG	119.30	117.50	115.81	114.51	113.57	112.84	112.27	111.78	111.34	110.93
16.00	DISCHG	110.55	110.21	109.95	109.74	109.54	109.30	109.02	108.69	108.26	107.76
16.80	DISCHG	107.23	106.72	106.26	105.84	105.42	105.03	104.68	104.31	103.91	103.47
17.60	DISCHG	103.00	102.53	102.05	101.56	101.08	100.59	100.06	99.46	98.65	97.77
18.40	DISCHG	96.92	96.11	95.38	94.73	94.16	93.63	93.07	92.48	91.84	91.13
19.20	DISCHG	90.34	88.73	86.98	85.27	83.64	82.06	80.53	79.04	77.58	76.16
20.00	DISCHG	74.78	73.47	72.26	70.27	68.06	65.87	63.72	61.60	59.52	57.44
20.80	DISCHG	55.45	53.57	51.81	50.19	48.72	47.04	45.19	43.40	41.68	40.04
21.60	DISCHG	38.45	36.88	35.38	33.98	32.70	31.56	30.56	29.71	28.98	28.31
22.40	DISCHG	27.67	27.02	26.37	25.68	24.88	24.04	23.27	22.61	22.03	21.51
23.20	DISCHG	21.05	20.62	20.23	19.86	19.53	19.28	19.12	19.01	18.92	18.82

RUNOFF VOLUME ABOVE BASEFLOW = 9.51 WATERSHED INCHES, 1096.71 CFS-HRS, 90.63 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.56	171.56	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 92

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .19 SQ.MI.

12.00	DISCHG	7.08	36.63	65.01	91.09	116.35	139.07	160.75	171.55	162.07	130.93
12.80	DISCHG	88.78	51.49	24.68	9.56	.00					

RUNOFF VOLUME ABOVE BASEFLOW = .80 WATERSHED INCHES, 100.55 CFS-HRS, 8.31 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 95 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 95 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 18.82 CFS, 12.63 % OF PEAK.

OPERATION DIVERT CROSS SECTION 95

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
11.92	165.00*	(DIVERT) * FIRST POINT OF FLAT PEAK

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

8.80	DISCHG	.00	.00	.00	.00	.00	.00	.01	.01	.03	.04
9.60	DISCHG	.07	.11	.18	.28	.43	.61	.83	1.06	1.30	1.55
10.40	DISCHG	1.79	2.04	2.31	2.64	3.07	3.58	4.16	4.77	5.42	6.21
11.20	DISCHG	7.19	8.38	9.73	11.18	13.67	22.26	41.73	74.88	122.15	165.00
12.00	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
12.80	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
13.60	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
14.40	DISCHG	165.00	165.00	165.00	165.00	162.15	159.25	156.65	154.36	152.18	149.78
15.20	DISCHG	146.81	143.42	139.86	136.53	133.64	131.18	129.10	127.33	125.78	124.41

16.00	DISCHG	123.19	122.11	121.21	120.45	119.81	119.24	118.69	118.13	117.50	116.80
16.80	DISCHG	116.06	115.31	114.60	113.95	113.33	112.80	112.36	111.99	111.62	111.25
17.60	DISCHG	110.85	110.43	109.99	109.55	109.10	108.65	108.14	107.57	106.75	105.81
18.40	DISCHG	104.85	103.92	103.07	102.32	101.69	101.15	100.65	100.14	99.59	98.95
19.20	DISCHG	98.21	96.59	94.78	92.97	91.23	89.54	87.92	86.36	84.84	83.36
20.00	DISCHG	81.93	80.59	79.34	77.37	75.22	73.13	71.10	69.10	67.11	65.10
20.80	DISCHG	63.11	61.17	59.33	57.63	56.08	54.36	52.52	50.80	49.19	47.66
21.60	DISCHG	46.16	44.67	43.18	41.74	40.39	39.15	38.05	37.14	36.38	35.74
22.40	DISCHG	35.18	34.64	34.09	33.48	32.73	31.87	31.04	30.27	29.59	28.98
23.20	DISCHG	28.44	27.94	27.49	27.07	26.70	26.42	26.24	26.16	26.14	26.16

RUNOFF VOLUME ABOVE BASEFLOW = 6.89 WATERSHED INCHES, 1281.22 CFS-HRS, 105.88 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.76	316.76	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 98

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .37 SQ.MI.

11.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	.00	13.59
12.00	DISCHG	67.30	99.07	131.71	163.96	195.06	224.64	252.35	277.47	299.27	314.44
12.80	DISCHG	315.04	299.59	274.52	247.57	222.25	193.11	169.06	148.56	130.96	116.05
13.60	DISCHG	102.74	90.18	78.10	66.54	55.74	46.09	37.46	29.84	23.18	17.36
14.40	DISCHG	12.29	7.83	3.89	.36	.00					

RUNOFF VOLUME ABOVE BASEFLOW = 1.57 WATERSHED INCHES, 377.78 CFS-HRS, 31.22 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 96 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 96 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 26.16 CFS, 15.85 % OF PEAK.

OPERATION DIVERT CROSS SECTION 96

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)	
11.92	185.00*	(DIVERT)	* FIRST POINT OF FLAT PEAK
14.53	172.56	(DIVERT)	

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

8.80	DISCHG	.00	.00	.00	.00	.00	.00	.01	.01	.03	.04
9.60	DISCHG	.07	.11	.18	.28	.43	.61	.83	1.06	1.31	1.57
10.40	DISCHG	1.84	2.12	2.44	2.84	3.36	3.98	4.68	5.43	6.24	7.20
11.20	DISCHG	8.42	9.90	11.56	13.35	16.63	27.91	54.04	98.84	161.83	185.00
12.00	DISCHG	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00
12.80	DISCHG	185.00	185.00	185.00	185.00	185.00	185.00	185.00	184.52	181.71	179.72
13.60	DISCHG	178.23	176.94	175.73	174.67	173.80	173.16	172.77	172.58	172.52	172.51
14.40	DISCHG	172.53	172.56	172.56	172.53	169.62	166.64	163.96	161.60	159.28	156.55
15.20	DISCHG	152.94	148.73	144.33	140.29	136.89	134.09	131.79	129.85	128.19	126.75

16.00	DISCHG	125.48	124.39	123.52	122.83	122.28	121.78	121.30	120.76	120.12	119.37
16.80	DISCHG	118.55	117.72	116.94	116.26	115.65	115.16	114.80	114.51	114.22	113.89
17.60	DISCHG	113.52	113.13	112.71	112.28	111.84	111.39	110.87	110.24	109.34	108.30
18.40	DISCHG	107.26	106.27	105.39	104.66	104.08	103.62	103.20	102.76	102.24	101.60
19.20	DISCHG	100.81	99.11	97.22	95.34	93.54	91.83	90.18	88.60	87.07	85.59
20.00	DISCHG	84.16	82.83	81.65	79.75	77.70	75.69	73.73	71.76	69.75	67.68
20.80	DISCHG	65.61	63.59	61.69	59.96	58.42	56.75	54.99	53.35	51.81	50.32
21.60	DISCHG	48.83	47.29	45.74	44.21	42.78	41.49	40.38	39.50	38.81	38.26
22.40	DISCHG	37.78	37.30	36.77	36.14	35.33	34.39	33.47	32.64	31.91	31.27
23.20	DISCHG	30.71	30.20	29.74	29.32	28.95	28.69	28.58	28.59	28.67	28.77

RUNOFF VOLUME ABOVE BASEFLOW = 18.10 WATERSHED INCHES, 1357.18 CFS-HRS, 112.16 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.55	128.27	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 97

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .13 SQ.MI.

11.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	.00	37.17
12.00	DISCHG	54.49	70.41	84.65	97.24	108.05	117.46	125.03	128.20	122.78	106.09
12.80	DISCHG	82.63	59.16	39.43	25.21	15.49	8.56	3.37	.00		

RUNOFF VOLUME ABOVE BASEFLOW = 1.28 WATERSHED INCHES, 103.24 CFS-HRS, 8.53 ACRE-FEET; BASEFLOW = .00 CFS

EXECUTIVE CONTROL OPERATION ENDCMP COMPUTATIONS COMPLETED FOR PASS 7 RECORD ID

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 12 TO XSECTION 96 RECORD ID
STARTING TIME = .00 RAIN DEPTH = 5.07 RAIN DURATION= 24.00 RAIN TABLE NO.= 1 ANT. MOIST. COND= 2
ALTERNATE NO.= 1 STORM NO.= 4 MAIN TIME INCREMENT = .08 HOURS

*** WARNING REACH 33 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 32 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION DIVERT CROSS SECTION 33

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.12	114.00*	(DIVERT) * FIRST POINT OF FLAT PEAK

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

9.60	DISCHG	.00	.00	.00	.00	.01	.02	.03	.05	.09	.13
10.40	DISCHG	.19	.27	.37	.48	.62	.79	.99	1.23	1.51	1.83

11.20	DISCHG	2.20	2.64	3.15	3.74	4.44	5.36	6.77	9.12	13.03	19.34
12.00	DISCHG	26.73	36.74	48.18	59.80	71.23	80.19	87.87	92.63	96.94	100.71
12.80	DISCHG	103.92	106.81	109.65	112.35	114.00	114.00	114.00	114.00	114.00	114.00
13.60	DISCHG	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00
14.40	DISCHG	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00
15.20	DISCHG	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00
16.00	DISCHG	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00
16.80	DISCHG	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	114.00	113.92
17.60	DISCHG	113.51	113.11	112.70	112.30	111.90	111.50	111.11	110.71	110.32	109.93
18.40	DISCHG	109.54	109.16	108.77	108.38	108.00	107.61	107.23	106.85	106.47	106.09
19.20	DISCHG	105.71	105.34	104.96	104.59	104.22	103.85	103.49	103.12	102.75	102.39
20.00	DISCHG	102.02	101.52	101.02	100.51	100.01	99.52	99.02	98.53	98.05	97.57
20.80	DISCHG	97.09	96.62	96.15	95.68	95.22	94.62	93.92	93.22	92.53	91.85
21.60	DISCHG	91.18	90.51	89.85	89.19	88.54	87.90	87.26	86.63	86.00	84.42
22.40	DISCHG	82.86	81.35	79.87	78.43	77.02	75.65	74.32	73.01	71.73	70.48
23.20	DISCHG	69.25	68.05	65.77	63.54	61.41	59.36	57.41	55.54	53.76	52.06

RUNOFF VOLUME ABOVE BASEFLOW = 2.82 WATERSHED INCHES, 1200.21 CFS-HRS, 99.19 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.26	13.20	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 92

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .68 SQ.MI.

12.80	DISCHG	.00	.00	.00	.00	.85	3.10	5.08	6.77	8.20	9.38
13.60	DISCHG	10.34	11.12	11.74	12.22	12.59	12.86	13.04	13.15	13.20	13.18
14.40	DISCHG	13.13	13.03	12.90	12.74	12.56	12.35	12.14	11.91	11.66	11.41
15.20	DISCHG	11.14	10.87	10.58	10.28	9.97	9.64	9.29	8.94	8.57	8.19
16.00	DISCHG	7.80	7.40	6.99	6.58	6.17	5.75	5.33	4.91	4.49	4.08
16.80	DISCHG	3.66	3.24	2.82	2.41	1.99	1.58	1.16	.75	.33	.00

RUNOFF VOLUME ABOVE BASEFLOW = .08 WATERSHED INCHES, 36.45 CFS-HRS, 3.01 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 93 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 93 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 52.06 CFS, 45.67 % OF PEAK.

OPERATION DIVERT CROSS SECTION 93

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)	
11.92	149.00*	(DIVERT)	* FIRST POINT OF FLAT PEAK
14.53	130.01	(DIVERT)	
17.56	119.65	(DIVERT)	

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

8.00	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01

8.80	DISCHG	.02	.03	.05	.08	.12	.21	.34	.49	.65	.81
9.60	DISCHG	.98	1.17	1.36	1.55	1.74	1.93	2.11	2.28	2.43	2.59
10.40	DISCHG	2.75	2.94	3.19	3.61	4.19	4.87	5.57	6.24	6.92	7.83
11.20	DISCHG	9.07	10.53	12.04	13.50	16.36	28.25	55.05	95.94	144.36	149.00
12.00	DISCHG	149.00	149.00	149.00	149.00	149.00	149.00	149.00	149.00	149.00	149.00
12.80	DISCHG	149.00	149.00	149.00	149.00	149.00	149.00	149.00	148.72	144.34	141.53
13.60	DISCHG	139.24	136.96	134.67	132.69	131.22	130.43	129.95	129.74	129.75	129.83
14.40	DISCHG	129.92	129.99	130.00	129.92	129.74	129.53	129.35	129.21	128.90	128.06
15.20	DISCHG	126.33	124.31	122.43	121.09	120.21	119.64	119.28	119.05	118.89	118.80
16.00	DISCHG	118.74	118.75	118.87	119.07	119.28	119.45	119.57	119.61	119.53	119.36
16.80	DISCHG	119.16	118.99	118.86	118.80	118.85	119.01	119.22	119.41	119.55	119.64
17.60	DISCHG	119.63	119.33	118.96	118.58	118.19	117.79	117.33	116.79	116.19	115.58
18.40	DISCHG	115.01	114.50	114.09	113.77	113.56	113.38	113.17	112.92	112.58	112.15
19.20	DISCHG	111.61	111.03	110.47	109.95	109.50	109.07	108.67	108.28	107.90	107.52
20.00	DISCHG	107.16	106.85	106.52	106.24	105.96	105.64	105.25	104.79	104.22	103.55
20.80	DISCHG	102.87	102.21	101.62	101.11	100.69	100.39	100.03	99.55	98.99	98.36
21.60	DISCHG	97.66	96.83	95.96	95.10	94.30	93.56	92.91	92.40	91.96	91.54
22.40	DISCHG	90.31	88.89	87.40	85.82	84.19	82.57	81.02	79.55	78.16	76.82
23.20	DISCHG	75.53	74.28	73.06	70.99	68.81	66.75	64.86	63.11	61.43	59.79

RUNOFF VOLUME ABOVE BASEFLOW = 12.81 WATERSHED INCHES, 1414.08 CFS-HRS, 116.86 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.54	275.71	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 92

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .19 SQ.MI.

11.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	.00	43.24
12.00	DISCHG	87.19	124.96	160.02	192.31	220.84	246.46	267.76	274.99	255.26	207.22
12.80	DISCHG	148.53	96.60	59.65	38.70	24.70	14.29	5.97	.00		

RUNOFF VOLUME ABOVE BASEFLOW = 1.57 WATERSHED INCHES, 197.81 CFS-HRS, 16.35 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 95 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 95 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 59.79 CFS, 40.13 % OF PEAK.

OPERATION DIVERT CROSS SECTION 95

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)	
11.84	165.00*	(DIVERT)	* FIRST POINT OF FLAT PEAK
17.58	129.83	(DIVERT)	

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

7.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.01	.01	.02
8.00	DISCHG	.03	.04	.05	.06	.07	.08	.10	.11	.12	.14

8.80	DISCHG	.16	.19	.23	.29	.37	.51	.71	.98	1.30	1.65
9.60	DISCHG	2.03	2.44	2.88	3.33	3.78	4.24	4.69	5.11	5.52	5.90
10.40	DISCHG	6.29	6.68	7.14	7.78	8.63	9.71	10.93	12.21	13.56	15.15
11.20	DISCHG	17.13	19.48	22.12	24.91	29.40	43.71	75.00	127.06	165.00	165.00
12.00	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
12.80	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
13.60	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
14.40	DISCHG	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	163.14
15.20	DISCHG	159.92	156.11	151.98	148.14	144.87	142.18	139.99	138.17	136.64	135.33
16.00	DISCHG	134.22	133.31	132.63	132.16	131.86	131.67	131.51	131.33	131.06	130.70
16.80	DISCHG	130.28	129.84	129.44	129.13	128.97	128.97	129.10	129.31	129.54	129.73
17.60	DISCHG	129.82	129.61	129.32	129.01	128.68	128.34	127.93	127.42	126.81	126.12
18.40	DISCHG	125.41	124.73	124.15	123.71	123.41	123.22	123.08	122.94	122.72	122.38
19.20	DISCHG	121.91	121.32	120.66	120.01	119.41	118.86	118.33	117.84	117.37	116.92
20.00	DISCHG	116.49	116.13	115.76	115.49	115.29	115.12	114.90	114.60	114.16	113.58
20.80	DISCHG	112.90	112.17	111.47	110.84	110.34	109.98	109.64	109.25	108.83	108.35
21.60	DISCHG	107.77	107.03	106.19	105.27	104.35	103.48	102.71	102.11	101.63	101.26
22.40	DISCHG	100.14	98.86	97.50	96.02	94.45	92.81	91.16	89.56	88.03	86.58
23.20	DISCHG	85.18	83.84	82.53	80.39	78.15	76.04	74.13	72.41	70.84	69.36

RUNOFF VOLUME ABOVE BASEFLOW = 9.12 WATERSHED INCHES, 1614.50 CFS-HRS, 133.42 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.75	460.33	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 98

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .37 SQ.MI.

11.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	34.49	75.64
12.00	DISCHG	119.88	166.68	213.15	257.94	300.42	340.39	377.48	410.84	439.47	458.58
12.80	DISCHG	456.62	432.04	394.65	355.46	319.64	287.83	259.20	232.54	203.81	179.01
13.60	DISCHG	156.95	136.67	117.82	100.39	84.65	71.00	59.19	49.09	40.56	33.36
14.40	DISCHG	27.29	22.14	17.73	13.89	10.49	7.49	4.89	2.65	.55	.00

RUNOFF VOLUME ABOVE BASEFLOW = 2.42 WATERSHED INCHES, 581.67 CFS-HRS, 48.07 ACRE-FEET; BASEFLOW = .00 CFS

*** WARNING REACH 96 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - REACH 96 INFLOW HYDROGRAPH VOLUME TRUNCATED ABOVE BASEFLOW AT 69.36 CFS, 42.04 % OF PEAK.

OPERATION DIVERT CROSS SECTION 96

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)	
11.84	185.00*	(DIVERT)	* FIRST POINT OF FLAT PEAK
14.53	175.01	(DIVERT)	
17.59	133.36	(DIVERT)	

OUTPUT #1 HYDROGRAPH

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

7.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.01	.01	.02
8.00	DISCHG	.03	.04	.05	.06	.07	.08	.10	.11	.12	.14
8.80	DISCHG	.16	.19	.23	.29	.37	.51	.71	.98	1.31	1.69
9.60	DISCHG	2.12	2.59	3.10	3.63	4.18	4.74	5.29	5.81	6.31	6.78
10.40	DISCHG	7.25	7.73	8.29	9.07	10.14	11.46	12.94	14.49	16.10	18.02
11.20	DISCHG	20.42	23.30	26.50	29.87	35.71	54.59	96.90	167.56	185.00	185.00
12.00	DISCHG	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00
12.80	DISCHG	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	184.59
13.60	DISCHG	182.59	180.85	179.24	177.82	176.66	175.81	175.29	175.04	174.95	174.94
14.40	DISCHG	174.97	175.00	175.00	174.97	174.88	174.77	174.66	174.57	174.39	172.09
15.20	DISCHG	168.03	163.12	157.89	153.10	149.17	146.03	143.53	141.51	139.83	138.42
16.00	DISCHG	137.25	136.32	135.68	135.30	135.12	135.02	134.95	134.80	134.52	134.09
16.80	DISCHG	133.56	133.01	132.53	132.17	132.02	132.08	132.32	132.64	132.96	133.22
17.60	DISCHG	133.36	133.18	132.91	132.61	132.29	131.95	131.52	130.95	130.23	129.41
18.40	DISCHG	128.59	127.82	127.21	126.78	126.56	126.48	126.45	126.39	126.22	125.87
19.20	DISCHG	125.33	124.64	123.87	123.13	122.46	121.86	121.31	120.80	120.32	119.85
20.00	DISCHG	119.43	119.09	118.79	118.63	118.56	118.50	118.36	118.09	117.64	116.98
20.80	DISCHG	116.19	115.36	114.57	113.91	113.41	113.12	112.88	112.60	112.27	111.85
21.60	DISCHG	111.27	110.49	109.54	108.51	107.50	106.56	105.78	105.21	104.83	104.57
22.40	DISCHG	103.55	102.35	101.02	99.52	97.87	96.11	94.36	92.67	91.09	89.59
23.20	DISCHG	88.17	86.81	85.49	83.34	81.10	79.03	77.21	75.61	74.17	72.79

RUNOFF VOLUME ABOVE BASEFLOW = 23.13 WATERSHED INCHES, 1706.82 CFS-HRS, 141.05 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.54	183.49	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 97

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .13 SQ.MI.

11.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	44.39	69.75
12.00	DISCHG	93.70	114.69	132.73	148.19	161.05	171.96	180.43	183.09	174.45	151.01
12.80	DISCHG	118.84	86.89	60.13	40.86	27.68	18.29	11.27	6.07	2.28	.00

RUNOFF VOLUME ABOVE BASEFLOW = 1.98 WATERSHED INCHES, 159.42 CFS-HRS, 13.17 ACRE-FEET; BASEFLOW = .00 CFS

EXECUTIVE CONTROL OPERATION ENDCMP COMPUTATIONS COMPLETED FOR PASS 8 RECORD ID

EXECUTIVE CONTROL OPERATION ENDJOB RECORD ID

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .00 SQ.MI.

7.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.01	.01	.02
8.00	DISCHG	.03	.04	.05	.06	.07	.08	.10	.11	.12	.14
8.80	DISCHG	.16	.19	.23	.29	.37	.51	.71	.98	1.31	1.69
9.60	DISCHG	2.12	2.59	3.10	3.63	4.18	4.74	5.29	5.81	6.31	6.78
10.40	DISCHG	7.25	7.73	8.29	9.07	10.14	11.46	12.94	14.49	16.10	18.02
11.20	DISCHG	20.42	23.30	26.50	29.87	35.71	54.59	96.90	167.56	185.00	185.00
12.00	DISCHG	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00
12.80	DISCHG	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	185.00	184.59
13.60	DISCHG	182.59	180.85	179.24	177.82	176.66	175.81	175.29	175.04	174.95	174.94
14.40	DISCHG	174.97	175.00	175.00	174.97	174.88	174.77	174.66	174.57	174.39	172.09
15.20	DISCHG	168.03	163.12	157.89	153.10	149.17	146.03	143.53	141.51	139.83	138.42
16.00	DISCHG	137.25	136.32	135.68	135.30	135.12	135.02	134.95	134.80	134.52	134.09
16.80	DISCHG	133.56	133.01	132.53	132.17	132.02	132.08	132.32	132.64	132.96	133.22
17.60	DISCHG	133.36	133.18	132.91	132.61	132.29	131.95	131.52	130.95	130.23	129.41
18.40	DISCHG	128.59	127.82	127.21	126.78	126.56	126.48	126.45	126.39	126.22	125.87
19.20	DISCHG	125.33	124.64	123.87	123.13	122.46	121.86	121.31	120.80	120.32	119.85
20.00	DISCHG	119.43	119.09	118.79	118.63	118.56	118.50	118.36	118.09	117.64	116.98
20.80	DISCHG	116.19	115.36	114.57	113.91	113.41	113.12	112.88	112.60	112.27	111.85
21.60	DISCHG	111.27	110.49	109.54	108.51	107.50	106.56	105.78	105.21	104.83	104.57
22.40	DISCHG	103.55	102.35	101.02	99.52	97.87	96.11	94.36	92.67	91.09	89.59
23.20	DISCHG	88.17	86.81	85.49	83.34	81.10	79.03	77.21	75.61	74.17	72.79

RUNOFF VOLUME ABOVE BASEFLOW = 23.13 WATERSHED INCHES, 1706.82 CFS-HRS, 141.05 ACRE-FEET; BASEFLOW = .00 CFS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.54	183.49	(DIVERT)

OUTPUT #2 DIVERTED HYDROGRAPH, CROSS SECTION = 97

TIME(HRS) FIRST HYDROGRAPH POINT = .00 HOURS TIME INCREMENT = .08 HOURS DRAINAGE AREA = .13 SQ.MI.

11.20	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	44.39	69.75
12.00	DISCHG	93.70	114.69	132.73	148.19	161.05	171.96	180.43	183.09	174.45	151.01
12.80	DISCHG	118.84	86.89	60.13	40.86	27.68	18.29	11.27	6.07	2.28	.00

RUNOFF VOLUME ABOVE BASEFLOW = 1.98 WATERSHED INCHES, 159.42 CFS-HRS, 13.17 ACRE-FEET; BASEFLOW = .00 CFS

EXECUTIVE CONTROL OPERATION ENDCMP COMPUTATIONS COMPLETED FOR PASS 8 RECORD ID

EXECUTIVE CONTROL OPERATION ENDJOB RECORD ID

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION BEGIN (HR)	PRECIPITATION AMOUNT (IN)	PRECIPITATION DURATION (HR)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 1 STORM 1													
XSECTION 12	RUNOFF	.07	1	2	.08	.0	2.53	24.00	1.01	---	12.54	42.07	601.0
XSECTION 29	REACH	.07	1	2	.08	.0	2.53	24.00	.97	---	13.76	14.53	207.6
XSECTION 29	RUNOFF	.25	1	2	.08	.0	2.53	24.00	.95	---	12.87	97.59	390.4
XSECTION 29	ADDHYD	.32	1	2	.08	.0	2.53	24.00	.95	---	12.89	99.59	311.2
XSECTION 33	REACH	.32	1	2	.08	.0	2.53	24.00	.95	---	12.97	99.45	310.8
XSECTION 33	RUNOFF	.23	1	2	.08	.0	2.53	24.00	.89	---	12.94	80.56	344.3
XSECTION 33	ADDHYD	.55	1	2	.08	.0	2.53	24.00	.93	---	12.96	179.85	324.6
XSECTION 30	RUNOFF	.13	1	2	.08	.0	2.53	24.00	.85	---	12.76	49.21	393.7
XSECTION 32	REACH	.13	1	2	.08	.0	2.53	24.00	.84	---	12.86	48.61	388.9
XSECTION 33	ADDHYD	.68	1	2	.08	.0	2.53	24.00	.91	---	12.93	227.30	334.8
STRUCTURE 33	RESVOR	.68	1	2	.08	.0	2.53	24.00	.91	---	12.93	227.30	334.8
XSECTION 33	DIVERT	.00	1	2	.08	.0	2.53	24.00	.91	---	12.48*	114.00	**********
XSECTION 92	DIVERT	.68	1	2	.08	.0	2.53	24.00	.17	---	12.93	113.30	166.9
XSECTION 93	REACH	.00	1	2	.08	.0	2.53	24.00	.17	---	13.04*	114.00	**********
XSECTION 93	RUNOFF	.19	1	2	.08	.0	2.53	24.00	1.13	---	12.54	126.61	649.3
XSECTION 93	ADDHYD	.19	1	2	.08	.0	2.53	24.00	3.70	---	12.58	237.66	1218.8
XSECTION 93	DIVERT	.00	1	2	.08	.0	2.53	24.00	3.70	---	12.32*	149.00	**********
XSECTION 92	DIVERT	.19	1	2	.08	.0	2.53	24.00	.27	---	12.58	88.66	454.7
XSECTION 92	REACH	.19	1	2	.08	.0	2.53	24.00	.27	---	12.76	67.61	346.7
XSECTION 92	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.26	---	12.54	87.51	700.1
XSECTION 92	ADDHYD	.32	1	2	.08	.0	2.53	24.00	.65	---	12.67	140.36	438.6
XSECTION 98	REACH	.32	1	2	.08	.0	2.53	24.00	.65	---	12.96	112.36	351.1
XSECTION 95	REACH	.00	1	2	.08	.0	2.53	24.00	.65	---	12.32*	149.00	**********
XSECTION 32	RUNOFF	.11	1	2	.08	.0	2.53	24.00	.90	---	12.74	46.03	422.3
XSECTION 94	REACH	.11	1	2	.08	.0	2.53	24.00	.89	---	13.26	32.79	300.8
XSECTION 94	RUNOFF	.14	1	2	.08	.0	2.53	24.00	1.13	---	12.51	94.72	681.5
XSECTION 94	ADDHYD	.25	1	2	.08	.0	2.53	24.00	1.02	---	12.53	104.32	420.6
XSECTION 95	REACH	.25	1	2	.08	.0	2.53	24.00	1.02	---	12.87	86.85	350.2
XSECTION 95	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.25	---	12.80	66.12	529.0
XSECTION 95	ADDHYD	.37	1	2	.08	.0	2.53	24.00	1.10	---	12.85	152.35	408.4
XSECTION 95	ADDHYD	.37	1	2	.08	.0	2.53	24.00	2.89	---	12.85	301.35	807.9
XSECTION 95	DIVERT	.00	1	2	.08	.0	2.53	24.00	2.89	---	12.24*	165.00	**********

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION BEGIN (HR)	PRECIPITATION AMOUNT (IN)	PRECIPITATION DURATION (HR)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 1 STORM 1													
XSECTION 98	DIVERT	.37	1	2	.08	.0	2.53	24.00	.50	---	12.85	136.35	365.5
XSECTION 98	REACH	.37	1	2	.08	.0	2.53	24.00	.50	---	13.18	109.51	293.6
XSECTION 98	ADDHYD	.69	1	2	.08	.0	2.53	24.00	.57	---	13.05	211.12	304.6
XSECTION 96	REACH	.00	1	2	.08	.0	2.53	24.00	.57	---	12.24*	165.00	**********
XSECTION 96	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.01	---	12.58	70.81	566.5
XSECTION 96	ADDHYD	.13	1	2	.08	.0	2.53	24.00	8.12	---	12.58	235.81	1886.5
XSECTION 96	DIVERT	.00	1	2	.08	.0	2.53	24.00	8.12	---	12.16*	185.00	**********
XSECTION 97	DIVERT	.13	1	2	.08	.0	2.53	24.00	.36	---	12.58	50.81	406.5
ALTERNATE 1 STORM 2													
XSECTION 12	RUNOFF	.07	1	2	.08	.0	3.57	24.00	1.83	---	12.53	72.64	1037.7
XSECTION 29	REACH	.07	1	2	.08	.0	3.57	24.00	1.79	---	13.42	36.93	527.5
XSECTION 29	RUNOFF	.25	1	2	.08	.0	3.57	24.00	1.74	---	12.83	179.25	717.0
XSECTION 29	ADDHYD	.32	1	2	.08	.0	3.57	24.00	1.75	---	12.88	196.45	613.9
XSECTION 33	REACH	.32	1	2	.08	.0	3.57	24.00	1.75	---	12.96	196.43	613.8
XSECTION 33	RUNOFF	.23	1	2	.08	.0	3.57	24.00	1.67	---	12.90	151.37	646.9
XSECTION 33	ADDHYD	.55	1	2	.08	.0	3.57	24.00	1.71	---	12.94	346.95	626.3
XSECTION 30	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.60	---	12.73	92.57	740.5
XSECTION 32	REACH	.13	1	2	.08	.0	3.57	24.00	1.60	---	12.83	91.88	735.0
XSECTION 33	ADDHYD	.68	1	2	.08	.0	3.57	24.00	1.69	---	12.91	436.32	642.6
STRUCTURE 33	RESVOR	.68	1	2	.08	.0	3.57	24.00	1.69	---	12.91	436.32	642.6
XSECTION 33	DIVERT	.00	1	2	.08	.0	3.57	24.00	1.69	---	12.24*	114.00	**********
XSECTION 92	DIVERT	.68	1	2	.08	.0	3.57	24.00	.71	---	12.91	322.32	474.7
XSECTION 93	REACH	.00	1	2	.08	.0	3.57	24.00	.71	---	12.80*	114.00	**********
XSECTION 93	RUNOFF	.19	1	2	.08	.0	3.57	24.00	1.98	---	12.53	213.06	1092.6
XSECTION 93	ADDHYD	.19	1	2	.08	.0	3.57	24.00	5.41	---	12.53	327.00	1676.9
XSECTION 93	DIVERT	.00	1	2	.08	.0	3.57	24.00	5.41	---	12.08*	149.00	**********
XSECTION 92	DIVERT	.19	1	2	.08	.0	3.57	24.00	.89	---	12.53	178.00	912.8
XSECTION 92	REACH	.19	1	2	.08	.0	3.57	24.00	.89	---	12.75	166.36	853.1
XSECTION 92	RUNOFF	.13	1	2	.08	.0	3.57	24.00	2.15	---	12.53	143.49	1147.9
XSECTION 92	ADDHYD	.32	1	2	.08	.0	3.57	24.00	1.38	---	12.64	289.47	904.6
XSECTION 98	REACH	.32	1	2	.08	.0	3.57	24.00	1.37	---	12.92	256.25	800.8
XSECTION 95	REACH	.00	1	2	.08	.0	3.57	24.00	1.37	---	12.08*	149.00	**********
XSECTION 32	RUNOFF	.11	1	2	.08	.0	3.57	24.00	1.67	---	12.71	84.98	779.6
XSECTION 94	REACH	.11	1	2	.08	.0	3.57	24.00	1.66	---	13.10	67.28	617.2
XSECTION 94	RUNOFF	.14	1	2	.08	.0	3.57	24.00	1.99	---	12.49	157.60	1133.8
XSECTION 94	ADDHYD	.25	1	2	.08	.0	3.57	24.00	1.84	---	12.53	189.97	766.0

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A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION BEGIN (HR)	PRECIPITATION AMOUNT (IN)	PRECIPITATION DURATION (HR)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 1 STORM 2													
XSECTION 95	REACH	.25	1	2	.08	.0	3.57	24.00	1.83	---	12.77	168.81	680.7
XSECTION 95	RUNOFF	.13	1	2	.08	.0	3.57	24.00	2.13	---	12.78	111.65	893.2
XSECTION 95	ADDHYD	.37	1	2	.08	.0	3.57	24.00	1.93	---	12.77	280.45	751.9
XSECTION 95	ADDHYD	.37	1	2	.08	.0	3.57	24.00	4.30	---	12.77	429.45	1151.3
XSECTION 95	DIVERT	.00	1	2	.08	.0	3.57	24.00	4.30	---	12.00*	165.00	**********
XSECTION 98	DIVERT	.37	1	2	.08	.0	3.57	24.00	1.24	---	12.77	264.45	709.0
XSECTION 98	REACH	.37	1	2	.08	.0	3.57	24.00	1.25	---	13.00	232.07	622.2
XSECTION 98	ADDHYD	.69	1	2	.08	.0	3.57	24.00	1.30	---	12.95	485.76	701.0
XSECTION 96	REACH	.00	1	2	.08	.0	3.57	24.00	1.30	---	12.00*	165.00	**********
XSECTION 96	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.83	---	12.56	123.52	988.2
XSECTION 96	ADDHYD	.13	1	2	.08	.0	3.57	24.00	10.95	---	12.56	288.52	2308.2
XSECTION 96	DIVERT	.00	1	2	.08	.0	3.57	24.00	10.95	---	11.92*	185.00	**********
XSECTION 97	DIVERT	.13	1	2	.08	.0	3.57	24.00	.96	---	12.56	103.52	828.2
ALTERNATE 1 STORM 3													
XSECTION 12	RUNOFF	.07	1	2	.08	.0	4.04	24.00	2.22	---	12.52	86.92	1241.7
XSECTION 29	REACH	.07	1	2	.08	.0	4.04	24.00	2.18	---	13.39	49.58	708.3
XSECTION 29	RUNOFF	.25	1	2	.08	.0	4.04	24.00	2.13	---	12.82	218.50	874.0
XSECTION 29	ADDHYD	.32	1	2	.08	.0	4.04	24.00	2.14	---	12.88	243.13	759.8
XSECTION 33	REACH	.32	1	2	.08	.0	4.04	24.00	2.14	---	12.88	243.13	759.8
XSECTION 33	RUNOFF	.23	1	2	.08	.0	4.04	24.00	2.04	---	12.89	185.73	793.7
XSECTION 33	ADDHYD	.55	1	2	.08	.0	4.04	24.00	2.10	---	12.88	428.84	774.1
XSECTION 30	RUNOFF	.13	1	2	.08	.0	4.04	24.00	1.97	---	12.72	113.58	908.6
XSECTION 32	REACH	.13	1	2	.08	.0	4.04	24.00	1.97	---	12.82	112.87	903.0
XSECTION 33	ADDHYD	.68	1	2	.08	.0	4.04	24.00	2.08	---	12.87	540.47	796.0
STRUCTURE 33	RESVOR	.68	1	2	.08	.0	4.04	24.00	2.08	---	12.87	540.47	796.0
XSECTION 33	DIVERT	.00	1	2	.08	.0	4.04	24.00	2.08	---	12.08*	114.00	**********
XSECTION 92	DIVERT	.68	1	2	.08	.0	4.04	24.00	1.00	---	12.87	426.47	628.1
XSECTION 93	REACH	.00	1	2	.08	.0	4.04	24.00	1.00	---	12.64*	114.00	**********
XSECTION 93	RUNOFF	.19	1	2	.08	.0	4.04	24.00	2.39	---	12.52	253.10	1297.9
XSECTION 93	ADDHYD	.19	1	2	.08	.0	4.04	24.00	6.12	---	12.52	367.09	1882.5
XSECTION 93	DIVERT	.00	1	2	.08	.0	4.04	24.00	6.12	---	12.00*	149.00	**********
XSECTION 92	DIVERT	.19	1	2	.08	.0	4.04	24.00	1.22	---	12.52	218.09	1118.4
XSECTION 92	REACH	.19	1	2	.08	.0	4.04	24.00	1.22	---	12.73	208.44	1068.9
XSECTION 92	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.57	---	12.52	169.21	1353.7
XSECTION 92	ADDHYD	.32	1	2	.08	.0	4.04	24.00	1.75	---	12.62	358.56	1120.5
XSECTION 98	REACH	.32	1	2	.08	.0	4.04	24.00	1.75	---	12.80	326.92	1021.6

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A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION BEGIN (HR)	PRECIPITATION AMOUNT (IN)	PRECIPITATION DURATION (HR)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 1 STORM 3													
XSECTION 95	REACH	.00	1	2	.08	.0	4.04	24.00	1.75	---	12.00*	149.00	**********
XSECTION 32	RUNOFF	.11	1	2	.08	.0	4.04	24.00	2.05	---	12.71	103.71	951.4
XSECTION 94	REACH	.11	1	2	.08	.0	4.04	24.00	2.04	---	13.15	84.52	775.5
XSECTION 94	RUNOFF	.14	1	2	.08	.0	4.04	24.00	2.39	---	12.49	186.62	1342.6
XSECTION 94	ADDHYD	.25	1	2	.08	.0	4.04	24.00	2.24	---	12.53	221.63	893.7
XSECTION 95	REACH	.25	1	2	.08	.0	4.04	24.00	2.23	---	12.76	199.93	806.2
XSECTION 95	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.55	---	12.77	132.85	1062.8
XSECTION 95	ADDHYD	.37	1	2	.08	.0	4.04	24.00	2.34	---	12.76	332.76	892.1
XSECTION 95	ADDHYD	.37	1	2	.08	.0	4.04	24.00	4.90	---	12.76	481.76	1291.6
XSECTION 95	DIVERT	.00	1	2	.08	.0	4.04	24.00	4.90	---	11.92*	165.00	**********
XSECTION 98	DIVERT	.37	1	2	.08	.0	4.04	24.00	1.59	---	12.76	316.76	849.2
XSECTION 98	REACH	.37	1	2	.08	.0	4.04	24.00	1.59	---	13.06	283.11	759.0
XSECTION 98	ADDHYD	.69	1	2	.08	.0	4.04	24.00	1.66	---	12.90	580.45	837.6
XSECTION 96	REACH	.00	1	2	.08	.0	4.04	24.00	1.66	---	11.92*	165.00	**********
XSECTION 96	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.22	---	12.55	148.27	1186.2
XSECTION 96	ADDHYD	.13	1	2	.08	.0	4.04	24.00	12.09	---	12.55	313.27	2506.2
XSECTION 96	DIVERT	.00	1	2	.08	.0	4.04	24.00	12.09	---	11.92*	185.00	**********
XSECTION 97	DIVERT	.13	1	2	.08	.0	4.04	24.00	1.28	---	12.55	128.27	1026.2
ALTERNATE 1 STORM 4													
XSECTION 12	RUNOFF	.07	1	2	.08	.0	5.07	24.00	3.12	---	12.51	118.01	1685.9
XSECTION 29	REACH	.07	1	2	.08	.0	5.07	24.00	3.08	---	13.19	77.06	1100.8
XSECTION 29	RUNOFF	.25	1	2	.08	.0	5.07	24.00	3.01	---	12.81	307.29	1229.1
XSECTION 29	ADDHYD	.32	1	2	.08	.0	5.07	24.00	3.03	---	12.87	363.16	1134.9
XSECTION 33	REACH	.32	1	2	.08	.0	5.07	24.00	3.03	---	12.87	363.16	1134.9
XSECTION 33	RUNOFF	.23	1	2	.08	.0	5.07	24.00	2.91	---	12.87	263.91	1127.8
XSECTION 33	ADDHYD	.55	1	2	.08	.0	5.07	24.00	2.98	---	12.87	627.06	1131.9
XSECTION 30	RUNOFF	.13	1	2	.08	.0	5.07	24.00	2.83	---	12.70	161.33	1290.6
XSECTION 32	REACH	.13	1	2	.08	.0	5.07	24.00	2.83	---	12.80	160.63	1285.0
XSECTION 33	ADDHYD	.68	1	2	.08	.0	5.07	24.00	2.95	---	12.85	785.77	1157.3
STRUCTURE 33	RESVOR	.68	1	2	.08	.0	5.07	24.00	2.95	---	12.85	785.77	1157.3
XSECTION 33	DIVERT	.00	1	2	.08	.0	5.07	24.00	2.95	---	12.00*	114.00	**********
XSECTION 92	DIVERT	.68	1	2	.08	.0	5.07	24.00	1.71	---	12.85	671.77	989.4
XSECTION 93	REACH	.00	1	2	.08	.0	5.07	24.00	1.71	---	12.56*	114.00	**********
XSECTION 93	RUNOFF	.19	1	2	.08	.0	5.07	24.00	3.31	---	12.51	340.19	1744.6
XSECTION 93	ADDHYD	.19	1	2	.08	.0	5.07	24.00	7.63	---	12.51	454.19	2329.2
XSECTION 93	DIVERT	.00	1	2	.08	.0	5.07	24.00	7.63	---	11.84*	149.00	**********

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION BEGIN (HR)	PRECIPITATION AMOUNT (IN)	PRECIPITATION DURATION (HR)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 1 STORM 4													
XSECTION 92	DIVERT	.19	1	2	.08	.0	5.07	24.00	1.96	---	12.51	305.19	1565.1
XSECTION 92	REACH	.19	1	2	.08	.0	5.07	24.00	1.96	---	12.63	298.50	1530.8
XSECTION 92	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.51	---	12.51	224.95	1799.6
XSECTION 92	ADDHYD	.32	1	2	.08	.0	5.07	24.00	2.57	---	12.57	516.05	1612.7
XSECTION 98	REACH	.32	1	2	.08	.0	5.07	24.00	2.56	---	12.73	487.77	1524.3
XSECTION 95	REACH	.00	1	2	.08	.0	5.07	24.00	2.56	---	11.84*	149.00	**********
XSECTION 32	RUNOFF	.11	1	2	.08	.0	5.07	24.00	2.92	---	12.69	146.08	1340.2
XSECTION 94	REACH	.11	1	2	.08	.0	5.07	24.00	2.91	---	13.04	124.30	1140.4
XSECTION 94	RUNOFF	.14	1	2	.08	.0	5.07	24.00	3.32	---	12.48	250.68	1803.5
XSECTION 94	ADDHYD	.25	1	2	.08	.0	5.07	24.00	3.14	---	12.53	320.94	1294.1
XSECTION 95	REACH	.25	1	2	.08	.0	5.07	24.00	3.13	---	12.75	296.49	1195.5
XSECTION 95	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.49	---	12.76	179.85	1438.8
XSECTION 95	ADDHYD	.37	1	2	.08	.0	5.07	24.00	3.25	---	12.75	476.33	1277.0
XSECTION 95	ADDHYD	.37	1	2	.08	.0	5.07	24.00	6.21	---	12.75	625.33	1676.5
XSECTION 95	DIVERT	.00	1	2	.08	.0	5.07	24.00	6.21	---	11.84*	165.00	**********
XSECTION 98	DIVERT	.37	1	2	.08	.0	5.07	24.00	2.40	---	12.75	460.33	1234.1
XSECTION 98	REACH	.37	1	2	.08	.0	5.07	24.00	2.40	---	12.95	423.09	1134.3
XSECTION 98	ADDHYD	.69	1	2	.08	.0	5.07	24.00	2.48	---	12.80	877.59	1266.4
XSECTION 96	REACH	.00	1	2	.08	.0	5.07	24.00	2.48	---	11.84*	165.00	**********
XSECTION 96	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.12	---	12.54	203.49	1627.9
XSECTION 96	ADDHYD	.13	1	2	.08	.0	5.07	24.00	14.51	---	12.54	368.49	2947.9
XSECTION 96	DIVERT	.00	1	2	.08	.0	5.07	24.00	14.51	---	11.84*	185.00	**********
XSECTION 97	DIVERT	.13	1	2	.08	.0	5.07	24.00	1.98	---	12.54	183.49	1467.9
ALTERNATE 1 STORM 1													
XSECTION 12	RUNOFF	.07	1	2	.08	.0	2.53	24.00	1.01	---	12.54	42.07	601.0
XSECTION 29	REACH	.07	1	2	.08	.0	2.53	24.00	.97	---	13.76	14.53	207.6
XSECTION 29	RUNOFF	.25	1	2	.08	.0	2.53	24.00	.95	---	12.87	97.59	390.4
XSECTION 29	ADDHYD	.32	1	2	.08	.0	2.53	24.00	.95	---	12.89	99.59	311.2
XSECTION 33	REACH	.32	1	2	.08	.0	2.53	24.00	.95	---	12.97	99.45	310.8
XSECTION 33	RUNOFF	.23	1	2	.08	.0	2.53	24.00	.89	---	12.94	80.56	344.3
XSECTION 33	ADDHYD	.55	1	2	.08	.0	2.53	24.00	.93	---	12.96	179.85	324.6
XSECTION 30	RUNOFF	.13	1	2	.08	.0	2.53	24.00	.85	---	12.76	49.21	393.7
XSECTION 32	REACH	.13	1	2	.08	.0	2.53	24.00	.84	---	12.86	48.61	388.9
XSECTION 33	ADDHYD	.68	1	2	.08	.0	2.53	24.00	.91	---	12.93	227.30	334.8
STRUCTURE 33	RESVOR	.68	1	2	.08	.0	2.53	24.00	.90	1467.11	13.79	86.99	128.1
XSECTION 33	DIVERT	.00	1	2	.08	.0	2.53	24.00	.90	---	13.79	86.99	**********

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION BEGIN (HR)	PRECIPITATION AMOUNT (IN)	PRECIPITATION DURATION (HR)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 1 STORM 1													
XSECTION 92	DIVERT	.68	1	2	.08	.0	2.53	24.00	.00	---	.00	.00	.0
XSECTION 93	REACH	.00	1	2	.08	.0	2.53	24.00	.00	---	13.90	86.97	**********
XSECTION 93	RUNOFF	.19	1	2	.08	.0	2.53	24.00	1.13	---	12.54	126.61	649.3
XSECTION 93	ADDHYD	.19	1	2	.08	.0	2.53	24.00	4.26	---	12.60	154.50	792.3
XSECTION 93	DIVERT	.00	1	2	.08	.0	2.53	24.00	4.26	---	12.60	149.66	**********
XSECTION 92	DIVERT	.19	1	2	.08	.0	2.53	24.00	.01	---	12.60	4.72	24.2
XSECTION 92	REACH	.19	1	2	.08	.0	2.53	24.00	.00	---	13.44?	.23?	1.2
XSECTION 92	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.26	---	12.54	87.51	700.1
XSECTION 92	ADDHYD	.32	1	2	.08	.0	2.53	24.00	.49	---	12.54	87.51	273.5
XSECTION 98	REACH	.32	1	2	.08	.0	2.53	24.00	.49	---	12.92	71.60	223.7
XSECTION 95	REACH	.00	1	2	.08	.0	2.53	24.00	.49	---	12.60	149.66	**********
XSECTION 32	RUNOFF	.11	1	2	.08	.0	2.53	24.00	.90	---	12.74	46.03	422.3
XSECTION 94	REACH	.11	1	2	.08	.0	2.53	24.00	.89	---	13.26	32.79	300.8
XSECTION 94	RUNOFF	.14	1	2	.08	.0	2.53	24.00	1.13	---	12.51	94.72	681.5
XSECTION 94	ADDHYD	.25	1	2	.08	.0	2.53	24.00	1.02	---	12.53	104.32	420.6
XSECTION 95	REACH	.25	1	2	.08	.0	2.53	24.00	1.02	---	12.87	86.85	350.2
XSECTION 95	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.25	---	12.80	66.12	529.0
XSECTION 95	ADDHYD	.37	1	2	.08	.0	2.53	24.00	1.10	---	12.85	152.35	408.4
XSECTION 95	ADDHYD	.37	1	2	.08	.0	2.53	24.00	3.32	---	12.71	286.27	767.5
XSECTION 95	DIVERT	.00	1	2	.08	.0	2.53	24.00	3.32	---	12.32*	165.00	**********
XSECTION 98	DIVERT	.37	1	2	.08	.0	2.53	24.00	.34	---	12.71	121.27	325.1
XSECTION 98	REACH	.37	1	2	.08	.0	2.53	24.00	.34	---	13.16	85.05	228.0
XSECTION 98	ADDHYD	.69	1	2	.08	.0	2.53	24.00	.41	---	13.06	148.77	214.7
XSECTION 96	REACH	.00	1	2	.08	.0	2.53	24.00	.41	---	12.32*	165.00	**********
XSECTION 96	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.01	---	12.58	70.81	566.5
XSECTION 96	ADDHYD	.13	1	2	.08	.0	2.53	24.00	9.90	---	12.58	235.81	1886.5
XSECTION 96	DIVERT	.00	1	2	.08	.0	2.53	24.00	9.90	---	12.24*	185.00	**********
XSECTION 97	DIVERT	.13	1	2	.08	.0	2.53	24.00	.35	---	12.58	50.81	406.5
ALTERNATE 1 STORM 2													
XSECTION 12	RUNOFF	.07	1	2	.08	.0	3.57	24.00	1.83	---	12.53	72.64	1037.7
XSECTION 29	REACH	.07	1	2	.08	.0	3.57	24.00	1.79	---	13.42	36.93	527.5
XSECTION 29	RUNOFF	.25	1	2	.08	.0	3.57	24.00	1.74	---	12.83	179.25	717.0
XSECTION 29	ADDHYD	.32	1	2	.08	.0	3.57	24.00	1.75	---	12.88	196.45	613.9
XSECTION 33	REACH	.32	1	2	.08	.0	3.57	24.00	1.75	---	12.96	196.43	613.8
XSECTION 33	RUNOFF	.23	1	2	.08	.0	3.57	24.00	1.67	---	12.90	151.37	646.9
XSECTION 33	ADDHYD	.55	1	2	.08	.0	3.57	24.00	1.71	---	12.94	346.95	626.3

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A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION BEGIN (HR)	PRECIPITATION AMOUNT (IN)	PRECIPITATION DURATION (HR)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 1 STORM 2													
XSECTION 30	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.60	---	12.73	92.57	740.5
XSECTION 32	REACH	.13	1	2	.08	.0	3.57	24.00	1.60	---	12.83	91.88	735.0
XSECTION 33	ADDHYD	.68	1	2	.08	.0	3.57	24.00	1.69	---	12.91	436.32	642.6
STRUCTURE 33	RESVOR	.68	1	2	.08	.0	3.57	24.00	1.67	1469.54	14.11	105.23	155.0
XSECTION 33	DIVERT	.00	1	2	.08	.0	3.57	24.00	1.67	---	14.11	105.23	**********
XSECTION 92	DIVERT	.68	1	2	.08	.0	3.57	24.00	.00	---	.00	.00	.0
XSECTION 93	REACH	.00	1	2	.08	.0	3.57	24.00	.00	---	14.21	105.23	**********
XSECTION 93	RUNOFF	.19	1	2	.08	.0	3.57	24.00	1.98	---	12.53	213.06	1092.6
XSECTION 93	ADDHYD	.19	1	2	.08	.0	3.57	24.00	7.80	---	12.58	266.50	1366.7
XSECTION 93	DIVERT	.00	1	2	.08	.0	3.57	24.00	7.80	---	12.16*	149.00	**********
XSECTION 92	DIVERT	.19	1	2	.08	.0	3.57	24.00	.46	---	12.58	117.50	602.6
XSECTION 92	REACH	.19	1	2	.08	.0	3.57	24.00	.46	---	12.73	102.41	525.2
XSECTION 92	RUNOFF	.13	1	2	.08	.0	3.57	24.00	2.15	---	12.53	143.49	1147.9
XSECTION 92	ADDHYD	.32	1	2	.08	.0	3.57	24.00	1.12	---	12.63	228.66	714.6
XSECTION 98	REACH	.32	1	2	.08	.0	3.57	24.00	1.12	---	12.89	198.66	620.8
XSECTION 95	REACH	.00	1	2	.08	.0	3.57	24.00	1.12	---	12.16*	149.00	**********
XSECTION 32	RUNOFF	.11	1	2	.08	.0	3.57	24.00	1.67	---	12.71	84.98	779.6
XSECTION 94	REACH	.11	1	2	.08	.0	3.57	24.00	1.66	---	13.10	67.28	617.2
XSECTION 94	RUNOFF	.14	1	2	.08	.0	3.57	24.00	1.99	---	12.49	157.60	1133.8
XSECTION 94	ADDHYD	.25	1	2	.08	.0	3.57	24.00	1.84	---	12.53	189.97	766.0
XSECTION 95	REACH	.25	1	2	.08	.0	3.57	24.00	1.83	---	12.77	168.81	680.7
XSECTION 95	RUNOFF	.13	1	2	.08	.0	3.57	24.00	2.13	---	12.78	111.65	893.2
XSECTION 95	ADDHYD	.37	1	2	.08	.0	3.57	24.00	1.93	---	12.77	280.45	751.9
XSECTION 95	ADDHYD	.37	1	2	.08	.0	3.57	24.00	5.77	---	12.77	429.45	1151.3
XSECTION 95	DIVERT	.00	1	2	.08	.0	3.57	24.00	5.77	---	12.00*	165.00	**********
XSECTION 98	DIVERT	.37	1	2	.08	.0	3.57	24.00	1.19	---	12.77	264.45	709.0
XSECTION 98	REACH	.37	1	2	.08	.0	3.57	24.00	1.18	---	13.00	232.09	622.2
XSECTION 98	ADDHYD	.69	1	2	.08	.0	3.57	24.00	1.15	---	12.94	426.31	615.2
XSECTION 96	REACH	.00	1	2	.08	.0	3.57	24.00	1.15	---	12.00*	165.00	**********
XSECTION 96	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.83	---	12.56	123.52	988.2
XSECTION 96	ADDHYD	.13	1	2	.08	.0	3.57	24.00	15.51	---	12.56	288.52	2308.2
XSECTION 96	DIVERT	.00	1	2	.08	.0	3.57	24.00	15.51	---	12.00*	185.00	**********
XSECTION 97	DIVERT	.13	1	2	.08	.0	3.57	24.00	.96	---	12.56	103.52	828.2
ALTERNATE 1 STORM 3													
XSECTION 12	RUNOFF	.07	1	2	.08	.0	4.04	24.00	2.22	---	12.52	86.92	1241.7
XSECTION 29	REACH	.07	1	2	.08	.0	4.04	24.00	2.18	---	13.39	49.58	708.3

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SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION BEGIN (HR)	PRECIPITATION AMOUNT (IN)	PRECIPITATION DURATION (HR)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 1 STORM 3													
XSECTION 29	RUNOFF	.25	1	2	.08	.0	4.04	24.00	2.13	---	12.82	218.50	874.0
XSECTION 29	ADDHYD	.32	1	2	.08	.0	4.04	24.00	2.14	---	12.88	243.13	759.8
XSECTION 33	REACH	.32	1	2	.08	.0	4.04	24.00	2.14	---	12.88	243.13	759.8
XSECTION 33	RUNOFF	.23	1	2	.08	.0	4.04	24.00	2.04	---	12.89	185.73	793.7
XSECTION 33	ADDHYD	.55	1	2	.08	.0	4.04	24.00	2.10	---	12.88	428.84	774.1
XSECTION 30	RUNOFF	.13	1	2	.08	.0	4.04	24.00	1.97	---	12.72	113.58	908.6
XSECTION 32	REACH	.13	1	2	.08	.0	4.04	24.00	1.97	---	12.82	112.87	903.0
XSECTION 33	ADDHYD	.68	1	2	.08	.0	4.04	24.00	2.08	---	12.87	540.47	796.0
STRUCTURE 33	RESVOR	.68	1	2	.08	.0	4.04	24.00	2.05	1470.63	14.16	111.77	164.6
XSECTION 33	DIVERT	.00	1	2	.08	.0	4.04	24.00	2.05	---	14.16	111.77	**********
XSECTION 92	DIVERT	.68	1	2	.08	.0	4.04	24.00	.00	---	.00	.00	.0
XSECTION 93	REACH	.00	1	2	.08	.0	4.04	24.00	.00	---	14.26	111.76	**********
XSECTION 93	RUNOFF	.19	1	2	.08	.0	4.04	24.00	2.39	---	12.52	253.10	1297.9
XSECTION 93	ADDHYD	.19	1	2	.08	.0	4.04	24.00	9.51	---	12.56	320.56	1643.9
XSECTION 93	DIVERT	.00	1	2	.08	.0	4.04	24.00	9.51	---	12.00*	149.00	**********
XSECTION 92	DIVERT	.19	1	2	.08	.0	4.04	24.00	.80	---	12.56	171.56	879.8
XSECTION 92	REACH	.19	1	2	.08	.0	4.04	24.00	.80	---	12.70	157.18	806.1
XSECTION 92	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.57	---	12.52	169.21	1353.7
XSECTION 92	ADDHYD	.32	1	2	.08	.0	4.04	24.00	1.49	---	12.62	310.29	969.7
XSECTION 98	REACH	.32	1	2	.08	.0	4.04	24.00	1.48	---	12.87	276.96	865.5
XSECTION 95	REACH	.00	1	2	.08	.0	4.04	24.00	1.48	---	12.00*	149.00	**********
XSECTION 32	RUNOFF	.11	1	2	.08	.0	4.04	24.00	2.05	---	12.71	103.71	951.4
XSECTION 94	REACH	.11	1	2	.08	.0	4.04	24.00	2.04	---	13.15	84.52	775.5
XSECTION 94	RUNOFF	.14	1	2	.08	.0	4.04	24.00	2.39	---	12.49	186.62	1342.6
XSECTION 94	ADDHYD	.25	1	2	.08	.0	4.04	24.00	2.24	---	12.53	221.63	893.7
XSECTION 95	REACH	.25	1	2	.08	.0	4.04	24.00	2.23	---	12.76	199.93	806.2
XSECTION 95	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.55	---	12.77	132.85	1062.8
XSECTION 95	ADDHYD	.37	1	2	.08	.0	4.04	24.00	2.34	---	12.76	332.76	892.1
XSECTION 95	ADDHYD	.37	1	2	.08	.0	4.04	24.00	6.89	---	12.76	481.76	1291.6
XSECTION 95	DIVERT	.00	1	2	.08	.0	4.04	24.00	6.89	---	11.92*	165.00	**********
XSECTION 98	DIVERT	.37	1	2	.08	.0	4.04	24.00	1.57	---	12.76	316.76	849.2
XSECTION 98	REACH	.37	1	2	.08	.0	4.04	24.00	1.57	---	13.06	283.01	758.7
XSECTION 98	ADDHYD	.69	1	2	.08	.0	4.04	24.00	1.53	---	12.94	543.78	784.7
XSECTION 96	REACH	.00	1	2	.08	.0	4.04	24.00	1.53	---	11.92*	165.00	**********
XSECTION 96	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.22	---	12.55	148.27	1186.2
XSECTION 96	ADDHYD	.13	1	2	.08	.0	4.04	24.00	18.10	---	12.55	313.27	2506.2

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION BEGIN (HR)	PRECIPITATION AMOUNT (IN)	PRECIPITATION DURATION (HR)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 1 STORM 3													
XSECTION 96	DIVERT	.00	1	2	.08	.0	4.04	24.00	18.10	---	11.92*	185.00	**********
XSECTION 97	DIVERT	.13	1	2	.08	.0	4.04	24.00	1.28	---	12.55	128.27	1026.2
ALTERNATE 1 STORM 4													
XSECTION 12	RUNOFF	.07	1	2	.08	.0	5.07	24.00	3.12	---	12.51	118.01	1685.9
XSECTION 29	REACH	.07	1	2	.08	.0	5.07	24.00	3.08	---	13.19	77.06	1100.8
XSECTION 29	RUNOFF	.25	1	2	.08	.0	5.07	24.00	3.01	---	12.81	307.29	1229.1
XSECTION 29	ADDHYD	.32	1	2	.08	.0	5.07	24.00	3.03	---	12.87	363.16	1134.9
XSECTION 33	REACH	.32	1	2	.08	.0	5.07	24.00	3.03	---	12.87	363.16	1134.9
XSECTION 33	RUNOFF	.23	1	2	.08	.0	5.07	24.00	2.91	---	12.87	263.91	1127.8
XSECTION 33	ADDHYD	.55	1	2	.08	.0	5.07	24.00	2.98	---	12.87	627.06	1131.9
XSECTION 30	RUNOFF	.13	1	2	.08	.0	5.07	24.00	2.83	---	12.70	161.33	1290.6
XSECTION 32	REACH	.13	1	2	.08	.0	5.07	24.00	2.83	---	12.80	160.63	1285.0
XSECTION 33	ADDHYD	.68	1	2	.08	.0	5.07	24.00	2.95	---	12.85	785.77	1157.3
STRUCTURE 33	RESVOR	.68	1	2	.08	.0	5.07	24.00	2.82	1473.20	14.26	127.20	187.3
XSECTION 33	DIVERT	.00	1	2	.08	.0	5.07	24.00	2.82	---	13.12*	114.00	**********
XSECTION 92	DIVERT	.68	1	2	.08	.0	5.07	24.00	.08	---	14.26	13.20	19.4
XSECTION 93	REACH	.00	1	2	.08	.0	5.07	24.00	.08	---	13.60*	114.00	**********
XSECTION 93	RUNOFF	.19	1	2	.08	.0	5.07	24.00	3.31	---	12.51	340.19	1744.6
XSECTION 93	ADDHYD	.19	1	2	.08	.0	5.07	24.00	12.81	---	12.54	424.71	2178.0
XSECTION 93	DIVERT	.00	1	2	.08	.0	5.07	24.00	12.81	---	11.92*	149.00	**********
XSECTION 92	DIVERT	.19	1	2	.08	.0	5.07	24.00	1.57	---	12.54	275.71	1413.9
XSECTION 92	REACH	.19	1	2	.08	.0	5.07	24.00	1.57	---	12.66	262.91	1348.2
XSECTION 92	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.51	---	12.51	224.95	1799.6
XSECTION 92	ADDHYD	.32	1	2	.08	.0	5.07	24.00	2.33	---	12.60	475.04	1484.5
XSECTION 98	REACH	.32	1	2	.08	.0	5.07	24.00	2.32	---	12.84	440.28	1375.9
XSECTION 95	REACH	.00	1	2	.08	.0	5.07	24.00	2.32	---	11.92*	149.00	**********
XSECTION 32	RUNOFF	.11	1	2	.08	.0	5.07	24.00	2.92	---	12.69	146.08	1340.2
XSECTION 94	REACH	.11	1	2	.08	.0	5.07	24.00	2.91	---	13.04	124.30	1140.4
XSECTION 94	RUNOFF	.14	1	2	.08	.0	5.07	24.00	3.32	---	12.48	250.68	1803.5
XSECTION 94	ADDHYD	.25	1	2	.08	.0	5.07	24.00	3.14	---	12.53	320.94	1294.1
XSECTION 95	REACH	.25	1	2	.08	.0	5.07	24.00	3.13	---	12.75	296.49	1195.5
XSECTION 95	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.49	---	12.76	179.85	1438.8
XSECTION 95	ADDHYD	.37	1	2	.08	.0	5.07	24.00	3.25	---	12.75	476.33	1277.0
XSECTION 95	ADDHYD	.37	1	2	.08	.0	5.07	24.00	9.12	---	12.75	625.33	1676.5
XSECTION 95	DIVERT	.00	1	2	.08	.0	5.07	24.00	9.12	---	11.84*	165.00	**********
XSECTION 98	DIVERT	.37	1	2	.08	.0	5.07	24.00	2.42	---	12.75	460.33	1234.1

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION BEGIN (HR)	PRECIPITATION AMOUNT (IN)	PRECIPITATION DURATION (HR)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 1 STORM 4													
XSECTION 98	REACH	.37	1	2	.08	.0	5.07	24.00	2.42	---	12.95	423.08	1134.3
XSECTION 98	ADDHYD	.69	1	2	.08	.0	5.07	24.00	2.37	---	12.88	855.38	1234.3
XSECTION 96	REACH	.00	1	2	.08	.0	5.07	24.00	2.37	---	11.84*	165.00	**********
XSECTION 96	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.12	---	12.54	203.49	1627.9
XSECTION 96	ADDHYD	.13	1	2	.08	.0	5.07	24.00	23.13	---	12.54	368.49	2947.9
XSECTION 96	DIVERT	.00	1	2	.08	.0	5.07	24.00	23.13	---	11.84*	185.00	**********
XSECTION 97	DIVERT	.13	1	2	.08	.0	5.07	24.00	1.98	---	12.54	183.49	1467.9

SUMMARY TABLE 2 - SELECTED MODIFIED ATT-KIN REACH ROUTINGS IN ORDER OF STANDARD EXECUTIVE CONTROL INSTRUCTIONS
(A STAR(*) AFTER VOLUME ABOVE BASE(IN) INDICATES A HYDROGRAPH TRUNCATED AT A VALUE EXCEEDING BASE + 10% OF PEAK
A QUESTION MARK(?) AFTER COEFF.(C) INDICATES PARAMETERS OUTSIDE ACCEPTABLE LIMITS, SEE PREVIOUS WARNINGS)

		HYDROGRAPH INFORMATION							ROUTING PARAMETERS									PEAK	
		INFLOW		OUTFLOW		OUTFLOW+ INTERV.AREA						Q AND A EQUATION						TRAVEL TIME	
XSEC ID	REACH LENGTH (FT)	PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)	BASE-FLOW (CFS)	VOLUME ABOVE BASE (IN)	MAIN TIME INCR (HR)	ITER-ATION #	COEFF (X)	POWER (M)	LENGTH FACTOR (K*)	PEAK RATIO O/I (Q*)	S/Q @PEAK (K) (SEC)	ATT-KIN COEFF (C)	STOR-AGE (HR)	KINE-MATIC (HR)
ALTERNATE		1	STORM	1															
29	3800	42	12.6	15	13.8	100	12.9	0	1.01	.08	1	.040	1.66	2.013	.346	5686	.05?	.40	1.20
33	2640	100	12.9	99	13.0	180	13.0	0	.95	.08	1	7.53	1.25	.012	.998	167	.93?	.08	.05
32	3000	49	12.7	49	12.9	---	---	0	.85	.08	1	6.29	1.25	.032	.992	253	.73?	.16	.07
93	2640	114	12.5	114	13.0	237	12.6	0	.00	.08	1	5.24	1.25	.011	1.000	218	.80?	.56	.06
92	1320	88	12.6	66	12.7	139	12.6	0	.27	.08	1	.080	1.66	.602	.759	615	.38	.16	.18
98	2500	139	12.6	112	13.0	---	---	0	.65	.08	1	.080	1.66	.275	.808	970	.26	.24	.28
95	1320	149	12.3	149	12.3	---	---	0	.00	.08	0	6.26	1.25	.003	1.000	89	1.00?	.00	.00
94	3200	46	12.7	33	13.3	104	12.6	0	.90	.08	1	.090	1.66	.431	.713	1795	.15	.40	.53
95	2400	104	12.6	87	12.9	152	12.9	0	1.02	.08	1	.090	1.66	.124	.838	975	.26	.16	.28
98	3000	136	12.9	109	13.2	---	---	0	.50	.08	1	.080	1.66	.435	.806	1175	.22	.24	.34
96	1320	165	12.2	165	12.2	236	12.6	0	.00	.08	0	6.26	1.25	.003	1.000	88	1.00?	.00	.00
ALTERNATE		1	STORM	2															
29	3800	72	12.6	37	13.4	196	12.9	0	1.83	.08	1	.040	1.66	1.297	.512	3481	.08?	.32	.91
33	2640	196	12.9	196	13.0	347	13.0	0	1.75	.08	1	7.53	1.25	.011	1.000	146	.99?	.08	.04
32	3000	93	12.7	92	12.8	---	---	0	1.60	.08	1	6.29	1.25	.027	.990	223	.79?	.08	.06
93	2640	114	12.2	114	12.8	326	12.6	0	.00	.08	1	5.24	1.25	.007	1.000	218	.80?	.56	.06
92	1320	177	12.6	166	12.7	289	12.6	0	.89	.08	1	.080	1.66	.167	.936	465	.47	.08	.13
98	2500	289	12.6	255	12.9	---	---	0	1.38	.08	1	.080	1.66	.167	.881	724	.33	.16	.21
95	1320	149	12.1	149	12.1	---	---	0	.00	.08	0	6.26	1.25	.002	1.000	89	1.00?	.00	.00
94	3200	85	12.7	67	13.1	189	12.6	0	1.67	.08	1	.090	1.66	.283	.791	1406	.19	.32	.41
95	2400	189	12.6	168	12.8	280	12.8	0	1.84	.08	1	.090	1.66	.085	.890	768	.32	.16	.22
98	3000	264	12.8	231	13.0	---	---	0	1.24	.08	1	.080	1.66	.189	.878	902	.28	.24	.26
96	1320	165	12.0	165	12.0	289	12.6	0	.00*	.08	0	6.26	1.25	.002	1.000	88	1.00?	.00	.00
ALTERNATE		1	STORM	3															
29	3800	86	12.6	49	13.4	243	12.9	0	2.22	.08	1	.040	1.66	1.120	.575	2935	.09?	.24	.83
33	2640	243	12.9	243	12.9	429	12.9	0	2.14	.08	0	7.53	1.25	.011	1.000	140	1.00?	.00	.00
32	3000	114	12.7	113	12.8	---	---	0	1.97	.08	1	6.29	1.25	.025	.993	214	.80?	.08	.06
93	2640	114	12.1	114	12.6	365	12.6	0	.00*	.08	1	5.24	1.25	.007	1.000	218	.80?	.56	.06
92	1320	216	12.6	208	12.7	358	12.6	0	1.22	.08	1	.080	1.66	.120	.963	429	.50	.08	.12
98	2500	358	12.6	327	12.8	---	---	0	1.75	.08	1	.080	1.66	.139	.914	666	.36	.16	.19
95	1320	149	12.0	149	12.0	---	---	0	.00*	.08	0	6.26	1.25	.002	1.000	89	1.00?	.00	.00

SUMMARY TABLE 2 - SELECTED MODIFIED ATT-KIN REACH ROUTINGS IN ORDER OF STANDARD EXECUTIVE CONTROL INSTRUCTIONS
(A STAR(*) AFTER VOLUME ABOVE BASE(IN) INDICATES A HYDROGRAPH TRUNCATED AT A VALUE EXCEEDING BASE + 10% OF PEAK
A QUESTION MARK(?) AFTER COEFF.(C) INDICATES PARAMETERS OUTSIDE ACCEPTABLE LIMITS, SEE PREVIOUS WARNINGS)

		HYDROGRAPH INFORMATION							ROUTING PARAMETERS									PEAK	
		INFLOW		OUTFLOW		OUTFLOW+ INTERV.AREA		BASE-	VOLUME ABOVE	MAIN TIME	ITER- ATION	Q AND A EQUATION		LENGTH	PEAK RATIO	S/Q @PEAK	ATT- KIN	TRAVEL TIME STOR-	KINE-
XSEC ID	REACH LENGTH (FT)	PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)	FLOW (CFS)	BASE (IN)	INCR (HR)	#	COEFF (X)	POWER (M)	FACTOR (K*)	O/I (Q*)	(K) (SEC)	COEFF (C)	AGE (HR)	MATIC (HR)
ALTERNATE		1	STORM	3															
94	3200	104	12.7	84	13.1	220	12.6	0	2.05	.08	1	.090	1.66	.246	.814	1299	.20	.24	.38
95	2400	220	12.6	199	12.8	331	12.8	0	2.24	.08	1	.090	1.66	.072	.902	722	.33	.16	.20
98	3000	315	12.8	283	13.0	---	---	0	1.59	.08	1	.080	1.66	.150	.898	840	.29	.16	.24
96	1320	165	11.9	165	11.9	313	12.6	0	.00*	.08	0	6.26	1.25	.002	1.000	88	1.00?	.00	.00
ALTERNATE		1	STORM	4															
29	3800	118	12.5	77	13.2	363	12.9	0	3.12	.08	1	.040	1.66	.871	.655	2391	.11	.32	.72
33	2640	363	12.9	363	12.9	627	12.9	0	3.03	.08	0	7.53	1.25	.010	1.000	129	1.00?	.00	.00
32	3000	161	12.7	161	12.8	---	---	0	2.83	.08	1	6.29	1.25	.023	.996	199	.84?	.08	.06
93	2640	114	12.0	114	12.6	453	12.5	0	.00*	.08	1	5.24	1.25	.006	1.000	218	.80?	.56	.06
92	1320	304	12.5	298	12.6	516	12.6	0	1.96	.08	1	.080	1.66	.077	.981	375	.55	.16	.10
98	2500	516	12.6	488	12.7	---	---	0	2.57	.08	1	.080	1.66	.106	.945	576	.40	.16	.16
95	1320	149	11.8	149	11.8	---	---	0	.00*	.08	0	6.26	1.25	.002	1.000	89	1.00?	.00	.00
94	3200	146	12.7	124	13.0	319	12.6	0	2.92	.08	1	.090	1.66	.192	.853	1135	.23	.24	.33
95	2400	319	12.6	295	12.7	475	12.7	0	3.14	.08	1	.090	1.66	.059	.925	623	.38	.08	.18
98	3000	459	12.7	423	13.0	---	---	0	2.40	.08	1	.080	1.66	.110	.922	724	.33	.24	.20
96	1320	165	11.8	165	11.8	368	12.6	0	.00*	.08	0	6.26	1.25	.001	1.000	88	1.00?	.00	.00
ALTERNATE		1	STORM	1															
29	3800	42	12.6	15	13.8	100	12.9	0	1.01	.08	1	.040	1.66	2.013	.346	5686	.05?	.40	1.20
33	2640	100	12.9	99	13.0	180	13.0	0	.95	.08	1	7.53	1.25	.012	.998	167	.93?	.08	.05
32	3000	49	12.7	49	12.9	---	---	0	.85	.08	1	6.29	1.25	.032	.992	253	.73?	.16	.07
93	2640	87	13.8	87	13.9	153	12.6	0	.00	.08	1	5.24	1.25	.006	1.000	230	.77?	.16	.06
92	1320	4	12.6	0	13.4	87	12.6	0	.01	.08	1	.080	1.66	20.097	.053	10210	.03?	.08	.83
98	2500	87	12.6	71	12.9	---	---	0	.49	.08	1	.080	1.66	.276	.815	1166	.22	.16	.34
95	1320	149	12.6	149	12.6	---	---	0	.00	.08	0	6.26	1.25	.003	1.000	89	1.00?	.00	.00
94	3200	46	12.7	33	13.3	104	12.6	0	.90	.08	1	.090	1.66	.431	.713	1795	.15	.40	.53
95	2400	104	12.6	87	12.9	152	12.9	0	1.02	.08	1	.090	1.66	.124	.838	975	.26	.16	.28
98	3000	121	12.7	85	13.1	---	---	0	.34	.08	1	.080	1.66	.749	.699	1229	.21	.24	.37
96	1320	165	12.3	165	12.3	236	12.6	0	.00	.08	0	6.26	1.25	.002	1.000	88	1.00?	.00	.00
ALTERNATE		1	STORM	2															
29	3800	72	12.6	37	13.4	196	12.9	0	1.83	.08	1	.040	1.66	1.297	.512	3481	.08?	.32	.91
33	2640	196	12.9	196	13.0	347	13.0	0	1.75	.08	1	7.53	1.25	.011	1.000	146	.99?	.08	.04

SUMMARY TABLE 2 - SELECTED MODIFIED ATT-KIN REACH ROUTINGS IN ORDER OF STANDARD EXECUTIVE CONTROL INSTRUCTIONS
(A STAR(*) AFTER VOLUME ABOVE BASE(IN) INDICATES A HYDROGRAPH TRUNCATED AT A VALUE EXCEEDING BASE + 10% OF PEAK
A QUESTION MARK(?) AFTER COEFF.(C) INDICATES PARAMETERS OUTSIDE ACCEPTABLE LIMITS, SEE PREVIOUS WARNINGS)

		HYDROGRAPH INFORMATION							ROUTING PARAMETERS									PEAK	
		INFLOW		OUTFLOW		OUTFLOW+ INTERV.AREA						Q AND A EQUATION						TRAVEL TIME	
XSEC ID	REACH LENGTH (FT)	PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)	BASE-FLOW (CFS)	VOLUME ABOVE BASE (IN)	MAIN TIME INCR (HR)	ITER-ATION #	COEFF (X)	POWER (M)	LENGTH FACTOR (K*)	PEAK RATIO O/I (Q*)	S/Q @PEAK (K) (SEC)	ATT-KIN COEFF (C)	STOR-AGE (HR)	KINE-MATIC (HR)
ALTERNATE		1	STORM	2															
32	3000	93	12.7	92	12.8	---	---	0	1.60	.08	1	6.29	1.25	.027	.990	223	.79?	.08	.06
93	2640	105	14.1	105	14.2	266	12.6	0	.00*	.08	1	5.24	1.25	.004	1.000	221	.79?	.16	.06
92	1320	117	12.6	102	12.7	229	12.6	0	.46	.08	1	.080	1.66	.326	.875	548	.42	.16	.16
98	2500	229	12.6	198	12.9	---	---	0	1.12	.08	1	.080	1.66	.186	.869	796	.31	.16	.23
95	1320	149	12.2	149	12.2	---	---	0	.00*	.08	0	6.26	1.25	.001	1.000	89	1.00?	.00	.00
94	3200	85	12.7	67	13.1	189	12.6	0	1.67	.08	1	.090	1.66	.283	.791	1406	.19	.32	.41
95	2400	189	12.6	168	12.8	280	12.8	0	1.84	.08	1	.090	1.66	.085	.890	768	.32	.16	.22
98	3000	264	12.8	231	13.0	---	---	0	1.19	.08	1	.080	1.66	.204	.877	902	.28	.24	.26
96	1320	165	12.0	165	12.0	289	12.6	0	.00*	.08	0	6.26	1.25	.001	1.000	88	1.00?	.00	.00
ALTERNATE		1	STORM	3															
29	3800	86	12.6	49	13.4	243	12.9	0	2.22	.08	1	.040	1.66	1.120	.575	2935	.09?	.24	.83
33	2640	243	12.9	243	12.9	429	12.9	0	2.14	.08	0	7.53	1.25	.011	1.000	140	1.00?	.00	.00
32	3000	114	12.7	113	12.8	---	---	0	1.97	.08	1	6.29	1.25	.025	.993	214	.80?	.08	.06
93	2640	112	14.2	112	14.2	321	12.6	0	.00*	.08	1	5.24	1.25	.003	1.000	219	.79?	.08	.06
92	1320	172	12.6	157	12.7	310	12.6	0	.80	.08	1	.080	1.66	.192	.914	471	.47	.16	.13
98	2500	310	12.6	277	12.9	---	---	0	1.49	.08	1	.080	1.66	.157	.895	705	.34	.16	.20
95	1320	149	12.0	149	12.0	---	---	0	.00*	.08	0	6.26	1.25	.001	1.000	89	1.00?	.00	.00
94	3200	104	12.7	84	13.1	220	12.6	0	2.05	.08	1	.090	1.66	.246	.814	1299	.20	.24	.38
95	2400	220	12.6	199	12.8	331	12.8	0	2.24	.08	1	.090	1.66	.072	.902	722	.33	.16	.20
98	3000	315	12.8	283	13.0	---	---	0	1.57	.08	1	.080	1.66	.153	.897	840	.29	.16	.24
96	1320	165	11.9	165	11.9	313	12.6	0	.00*	.08	0	6.26	1.25	.001	1.000	88	1.00?	.00	.00
ALTERNATE		1	STORM	4															
29	3800	118	12.5	77	13.2	363	12.9	0	3.12	.08	1	.040	1.66	.871	.655	2391	.11	.32	.72
33	2640	363	12.9	363	12.9	627	12.9	0	3.03	.08	0	7.53	1.25	.010	1.000	129	1.00?	.00	.00
32	3000	161	12.7	161	12.8	---	---	0	2.83	.08	1	6.29	1.25	.023	.996	199	.84?	.08	.06
93	2640	114	13.1	114	13.6	424	12.6	0	.00*	.08	1	5.24	1.25	.002	1.000	218	.80?	.48	.06
92	1320	275	12.6	262	12.6	471	12.6	0	1.57	.08	1	.080	1.66	.100	.953	390	.54	.08	.11
98	2500	471	12.6	438	12.8	---	---	0	2.33	.08	1	.080	1.66	.114	.931	597	.39	.08	.17
95	1320	149	11.9	149	11.9	---	---	0	.00*	.08	0	6.26	1.25	.001	1.000	89	1.00?	.00	.00
94	3200	146	12.7	124	13.0	319	12.6	0	2.92	.08	1	.090	1.66	.192	.853	1135	.23	.24	.33
95	2400	319	12.6	295	12.7	475	12.7	0	3.14	.08	1	.090	1.66	.059	.925	623	.38	.08	.18
98	3000	459	12.7	423	13.0	---	---	0	2.42	.08	1	.080	1.66	.109	.922	724	.33	.24	.20

SUMMARY TABLE 2 - SELECTED MODIFIED ATT-KIN REACH ROUTINGS IN ORDER OF STANDARD EXECUTIVE CONTROL INSTRUCTIONS
(A STAR(*) AFTER VOLUME ABOVE BASE(IN) INDICATES A HYDROGRAPH TRUNCATED AT A VALUE EXCEEDING BASE + 10% OF PEAK
A QUESTION MARK(?) AFTER COEFF.(C) INDICATES PARAMETERS OUTSIDE ACCEPTABLE LIMITS, SEE PREVIOUS WARNINGS)

		HYDROGRAPH INFORMATION							ROUTING PARAMETERS										PEAK	
		INFLOW		OUTFLOW		OUTFLOW+ INTERV.AREA						Q AND A EQUATION							TRAVEL TIME	
XSEC ID	REACH LENGTH (FT)	PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)	BASE-FLOW (CFS)	VOLUME ABOVE BASE (IN)	MAIN TIME INCR (HR)	ITER-ATION #	COEFF (X)	POWER (M)	LENGTH FACTOR (K*)	PEAK RATIO O/I (Q*)	S/Q @PEAK (K) (SEC)	ATT-KIN COEFF (C)	STOR-AGE (HR)	KINE-MATIC (HR)
ALTERNATE		1	STORM	4															
96	1320	165	11.8	165	11.8	368	12.6	0	.00*	.08	0	6.26	1.25	.001	1.000	88	1.00?	.00	.00

SUMMARY TABLE 3 - DISCHARGE (CFS) AT XSECTIONS AND STRUCTURES FOR ALL STORMS AND ALTERNATES

XSECTION/ STRUCTURE ID	DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 1	2	3	4
STRUCTURE 33	.68				
ALTERNATE 1		86.99	105.23	111.77	127.20
XSECTION 12	.07				
ALTERNATE 1		42.07	72.64	86.92	118.01
XSECTION 29	.32				
ALTERNATE 1		99.59	196.45	243.13	363.16
XSECTION 30	.13				
ALTERNATE 1		49.21	92.57	113.58	161.33
XSECTION 32	.11				
ALTERNATE 1		46.03	84.98	103.71	146.08
XSECTION 33	.00				
ALTERNATE 1		86.99	105.23	111.77	114.00
XSECTION 92	.32				
ALTERNATE 1		87.51	228.66	310.29	475.04
XSECTION 93	.00				
ALTERNATE 1		149.66	149.00	149.00	149.00
XSECTION 94	.25				
ALTERNATE 1		104.32	189.97	221.63	320.94
XSECTION 95	.00				
ALTERNATE 1		165.00	165.00	165.00	165.00
XSECTION 96	.00				
ALTERNATE 1		185.00	185.00	185.00	185.00
XSECTION 97	.13				
ALTERNATE 1		50.81	103.52	128.27	183.49
XSECTION 98	.69				
ALTERNATE 1		148.77	426.31	543.78	855.38

END OF 1 JOBS IN THIS RUN

Existing Conditions
10 YR Q
No detention

10-9-89
10YREX. DIF

TIMESTEP(HOUR) = .00500
NUMBER OF TIMESTEPS = 4800
OUTPUT INTERVAL(TIMESTEPS) = 2600
NUMBER OF NODAL POINTS = 96
UNIFORM GRID SIDE(FEET) = 660.00

NODAL POINT DATA ENTRY:

NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS FRICTION FACTOR
ELEV = NODAL POINT ELEVATION
DEPTH = WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV	DEPTH
1	.0	2.0	9.0	.0	.8000	1447.0	.0
2	.0	3.0	10.0	1.0	.8000	1450.0	.0
3	.0	4.0	11.0	2.0	.8000	1449.0	.0
4	.0	5.0	12.0	3.0	.8000	1452.0	.0
5	.0	6.0	13.0	4.0	.8000	1455.0	.0
6	.0	7.0	14.0	5.0	.8000	1458.0	.0
7	.0	8.0	15.0	6.0	.8000	1461.0	.0
8	.0	.0	16.0	7.0	.8000	1463.0	.0
9	1.0	10.0	17.0	.0	.8000	1443.0	.0
10	2.0	11.0	18.0	9.0	.8000	1446.0	.0
11	3.0	12.0	19.0	10.0	.8000	1446.0	.0
12	4.0	13.0	20.0	11.0	.8000	1448.0	.0
13	5.0	14.0	21.0	12.0	.8000	1451.0	.0
14	6.0	15.0	22.0	13.0	.8000	1456.0	.0
15	7.0	16.0	23.0	14.0	.8000	1458.0	.0
16	8.0	.0	24.0	15.0	.8000	1459.0	.0
17	9.0	18.0	25.0	.0	.8000	1438.0	.0
18	10.0	19.0	26.0	17.0	.8000	1440.0	.0
19	11.0	20.0	27.0	18.0	.8000	1443.0	.0
20	12.0	21.0	28.0	19.0	.8000	1445.0	.0
21	13.0	22.0	29.0	20.0	.8000	1449.0	.0
22	14.0	23.0	30.0	21.0	.8000	1452.0	.0
23	15.0	24.0	31.0	22.0	.8000	1454.0	.0
24	16.0	.0	32.0	23.0	.8000	1457.0	.0
25	17.0	26.0	33.0	.0	.8000	1435.0	.0
26	18.0	27.0	34.0	25.0	.8000	1436.0	.0
27	19.0	28.0	35.0	26.0	.8000	1439.0	.0
28	20.0	29.0	36.0	27.0	.8000	1444.0	.0
29	21.0	30.0	37.0	28.0	.8000	1446.0	.0
30	22.0	31.0	38.0	29.0	.8000	1447.0	.0
31	23.0	32.0	39.0	30.0	.8000	1451.0	.0
32	24.0	.0	40.0	31.0	.8000	1453.0	.0
33	25.0	34.0	41.0	.0	.8000	1430.0	.0
34	26.0	35.0	42.0	33.0	.8000	1433.0	.0
35	27.0	36.0	43.0	34.0	.8000	1437.0	.0
36	28.0	37.0	44.0	35.0	.8000	1441.0	.0
37	29.0	38.0	45.0	36.0	.8000	1443.0	.0
38	30.0	39.0	46.0	37.0	.8000	1445.0	.0
39	31.0	40.0	47.0	38.0	.8000	1448.0	.0
40	32.0	.0	48.0	39.0	.8000	1452.0	.0
41	33.0	42.0	49.0	.0	.8000	1427.0	.0
42	34.0	43.0	50.0	41.0	.8000	1433.0	.0
43	35.0	44.0	51.0	42.0	.8000	1435.0	.0

44	36.0	45.0	52.0	43.0	.8000	1437.0	.0
45	37.0	46.0	53.0	44.0	.8000	1440.0	.0
46	38.0	47.0	54.0	45.0	.8000	1442.0	.0
47	39.0	48.0	55.0	46.0	.8000	1445.0	.0
48	40.0	.0	56.0	47.0	.8000	1448.0	.0
49	41.0	50.0	57.0	.0	.8000	1427.0	.0
50	42.0	51.0	58.0	49.0	.8000	1430.0	.0
51	43.0	52.0	59.0	50.0	.8000	1433.0	.0
52	44.0	53.0	60.0	51.0	.8000	1435.0	.0
53	45.0	54.0	61.0	52.0	.8000	1437.0	.0
54	46.0	55.0	62.0	53.0	.8000	1439.0	.0
55	47.0	56.0	63.0	54.0	.8000	1443.0	.0
56	48.0	.0	64.0	55.0	.8000	1444.0	.0
57	49.0	58.0	65.0	.0	.8000	1425.0	.0
58	50.0	59.0	66.0	57.0	.8000	1427.0	.0
59	51.0	60.0	67.0	58.0	.8000	1430.0	.0
60	52.0	61.0	68.0	59.0	.8000	1432.0	.0
61	53.0	62.0	69.0	60.0	.8000	1435.0	.0
62	54.0	63.0	70.0	61.0	.8000	1439.0	.0
63	55.0	64.0	71.0	62.0	.8000	1440.0	.0
64	56.0	.0	72.0	63.0	.8000	1441.0	.0
65	57.0	66.0	73.0	.0	.8000	1423.0	.0
66	58.0	67.0	74.0	65.0	.8000	1425.0	.0
67	59.0	68.0	75.0	66.0	.8000	1428.0	.0
68	60.0	69.0	76.0	67.0	.8000	1431.0	.0
69	61.0	70.0	77.0	68.0	.8000	1434.0	.0
70	62.0	71.0	78.0	69.0	.8000	1436.0	.0
71	63.0	72.0	79.0	70.0	.8000	1437.0	.0
72	64.0	.0	80.0	71.0	.8000	1439.0	.0
73	65.0	74.0	81.0	.0	.8000	1422.0	.0
74	66.0	75.0	82.0	73.0	.8000	1425.0	.0
75	67.0	76.0	83.0	74.0	.8000	1428.0	.0
76	68.0	77.0	84.0	75.0	.8000	1430.0	.0
77	69.0	78.0	85.0	76.0	.8000	1432.0	.0
78	70.0	79.0	86.0	77.0	.8000	1433.0	.0
79	71.0	80.0	87.0	78.0	.8000	1434.0	.0
80	72.0	.0	88.0	79.0	.8000	1435.0	.0
81	73.0	82.0	89.0	.0	.8000	1422.0	.0
82	74.0	83.0	90.0	81.0	.8000	1425.0	.0
83	75.0	84.0	91.0	82.0	.8000	1427.0	.0
84	76.0	85.0	92.0	83.0	.8000	1429.0	.0
85	77.0	86.0	93.0	84.0	.8000	1430.0	.0
86	78.0	87.0	94.0	85.0	.8000	1431.0	.0
87	79.0	88.0	95.0	86.0	.8000	1431.0	.0
88	80.0	.0	96.0	87.0	.8000	1433.0	.0
89	81.0	90.0	.0	.0	.8000	1424.0	.0
90	82.0	91.0	.0	89.0	.8000	1425.0	.0
91	83.0	92.0	.0	90.0	.8000	1426.0	.0
92	84.0	93.0	.0	91.0	.8000	1427.0	.0
93	85.0	94.0	.0	92.0	.8000	1428.0	.0
94	86.0	95.0	.0	93.0	.8000	1428.0	.0
95	87.0	96.0	.0	94.0	.8000	1428.0	.0
96	88.0	.0	.0	95.0	.8000	1430.0	.0

NUMBER OF BOUNDARY CONDITION NODAL POINTS = 4

BOUNDARY CONDITION NODE NUMBERS:

8 32 48 64

NUMBER OF HYDROGRAPH RATE ENTRIES = 20

LINEAR FUCTION IN FLOWRATE(CFS) IN GRID ELEMENT:

HOUR	FLOWRATE/EACH BC NODE									
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11.8	1.0	27.5	7.2	10.0	.0	.0	.0	.0	.0	.0
12.0	4.8	56.5	24.3	24.8	.0	.0	.0	.0	.0	.0
12.2	14.9	83.5	51.1	41.0	.0	.0	.0	.0	.0	.0
12.3	34.0	105.7	82.2	55.6	.0	.0	.0	.0	.0	.0
12.5	62.5	123.4	113.6	67.5	.0	.0	.0	.0	.0	.0
12.6	97.2	119.2	141.3	69.4	.0	.0	.0	.0	.0	.0
12.8	131.0	76.7	155.1	50.8	.0	.0	.0	.0	.0	.0
13.0	154.9	40.2	142.0	29.7	.0	.0	.0	.0	.0	.0
13.1	164.4	24.7	120.2	17.9	.0	.0	.0	.0	.0	.0
13.3	161.6	16.5	101.7	11.9	.0	.0	.0	.0	.0	.0
13.4	150.8	12.3	87.2	8.6	.0	.0	.0	.0	.0	.0
13.6	136.4	10.3	76.4	6.9	.0	.0	.0	.0	.0	.0
13.8	122.3	8.5	67.9	5.6	.0	.0	.0	.0	.0	.0
13.9	109.0	7.1	60.2	4.6	.0	.0	.0	.0	.0	.0
14.1	96.5	6.6	53.3	4.1	.0	.0	.0	.0	.0	.0
14.2	85.2	6.5	47.6	4.0	.0	.0	.0	.0	.0	.0
14.4	75.3	6.6	43.0	4.0	.0	.0	.0	.0	.0	.0
14.6	66.8	6.6	39.2	4.0	.0	.0	.0	.0	.0	.0

NUMBER OF CRITICAL-DEPTH OUTFLOW NODES = 16

CRITICAL-DEPTH OUTFLOW NODE NUMBERS:

25 33 41 49 57 65 73 81 89 90

91 92 93 94 95 96

UNIFORM EFFECTIVE RAINFALL ON DOMAIN AS LINEAR FU BETWEEN POINTS

HOUR	RAINFALL (IN/HR)
.00	.00
1.00	.00
2.00	.00
3.00	.00
4.00	.00
9.00	.00
10.00	.03
11.00	.03
12.00	.37
13.00	.37
14.00	.03
15.00	.03
16.00	.00
17.00	.00
18.00	.00
19.00	.00
20.00	.00
21.00	.00
24.00	.00
25.00	.00

MODEL TIME(HOURS) = 13.0002 INFLOW(CFS/LF) = .0405

1 N = .8000PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.059	1447.059	.000	.000	.000	.000	.000	.000	.000
2	.059	1450.059	.000	.000	.000	.000	.000	.000	.000
3	.059	1449.059	.000	.000	.000	.000	.000	.000	.000
4	.059	1452.059	.000	.000	.000	.000	.000	.000	.000
5	.059	1455.059	.000	.000	.000	.000	.000	.000	.000
6	.060	1458.060	-.026	.000	.026	.009	.002	-1.029	.000
7	.157	1461.157	-.099	-.010	.100	.024	.016	-10.286	-1.058
8	.705	1463.705	-.020	-.029	.035	.005	.025	-9.257	-13.393
9	.059	1443.059	.000	.000	.000	.000	.000	.000	.000
10	.059	1446.059	.000	.000	.000	.000	.000	.000	.000
11	.059	1446.059	.000	.000	.000	.000	.000	.000	.000
12	.059	1448.059	.000	.000	.000	.000	.000	.000	.000
13	.059	1451.059	.000	.000	.000	.000	.000	.000	.000
14	.059	1456.059	.000	.000	.000	.000	.000	.000	.000
15	.064	1458.064	-.021	-.025	.033	.016	.002	-.872	-1.058
16	.202	1459.202	-.007	-.110	.110	.023	.022	-.872	-14.586
17	.059	1438.059	.000	.000	.000	.000	.000	.000	.000
18	.059	1440.059	.000	.000	.000	.000	.000	.000	.000
19	.059	1443.059	.000	.000	.000	.000	.000	.000	.000
20	.059	1445.059	.000	.000	.000	.000	.000	.000	.000
21	.059	1449.059	.000	.000	.000	.000	.000	.000	.000
22	.059	1452.059	.000	.000	.000	.000	.000	.000	.000
23	.059	1454.059	.000	.000	.000	.000	.000	.000	.000
24	.064	1457.064	.000	-.028	.028	.010	.002	.000	-1.193
25	.010	1435.010	.000	.000	.000	.000	.000	.000	.000
26	.059	1436.059	.000	.000	.000	.000	.000	.000	.000
27	.059	1439.059	.000	.000	.000	.000	.000	.000	.000
28	.099	1444.099	-.034	.000	.034	.010	.003	-2.259	.000
29	.286	1446.286	-.046	-.017	.049	.010	.014	-8.708	-3.211
30	.563	1447.563	-.059	-.020	.062	.009	.035	-21.953	-7.395
31	.464	1451.464	-.129	-.021	.131	.019	.061	-39.693	-6.506
32	1.050	1454.050	-.035	-.022	.041	.005	.043	-24.189	-15.263
33	.010	1430.010	.000	.000	.000	.000	.000	.000	.000
34	.059	1433.059	.000	.000	.000	.000	.000	.000	.000
35	.059	1437.059	.000	.000	.000	.000	.000	.000	.000
36	.059	1441.059	.000	.000	.000	.000	.000	.000	.000
37	.141	1443.141	-.020	-.082	.084	.024	.012	-1.819	-7.578
38	.203	1445.203	-.033	-.118	.123	.029	.025	-4.415	-15.849
39	.178	1448.178	-.050	-.116	.127	.035	.023	-5.912	-13.651
40	.224	1452.224	-.022	-.240	.241	.049	.054	-3.316	-35.462
41	.010	1427.010	.000	.000	.000	.000	.000	.000	.000
42	.059	1433.059	.000	.000	.000	.000	.000	.000	.000
43	.059	1435.059	.000	.000	.000	.000	.000	.000	.000
44	.119	1437.119	-.057	.000	.057	.014	.007	-4.449	.000
45	.393	1440.393	-.060	-.043	.074	.014	.029	-15.532	-11.223
46	.602	1442.602	-.069	-.074	.101	.016	.061	-27.375	-29.325
47	.550	1445.550	-.130	-.035	.135	.020	.074	-47.226	-12.860
48	1.059	1449.059	-.044	-.062	.076	.009	.081	-30.933	-43.553
49	.010	1427.010	.000	.000	.000	.000	.000	.000	.000
50	.059	1430.059	.000	.000	.000	.000	.000	.000	.000
51	.059	1433.059	.000	.000	.000	.000	.000	.000	.000

52	.070	1435.070	-.042	.000	.042	.014	.003	-1.938	.000
53	.282	1437.282	-.077	-.049	.091	.021	.026	-14.228	-9.092
54	.746	1439.746	-.046	-.053	.070	.010	.052	-22.693	-26.086
55	.100	1443.100	-.171	-.145	.224	.088	.022	-11.288	-9.588
56	.172	1444.172	-.008	-.306	.306	.067	.053	-.886	-34.777
57	.010	1425.010	.000	.000	.000	.000	.000	.000	.000
58	.059	1427.059	.000	.000	.000	.000	.000	.000	.000
59	.059	1430.059	.000	.000	.000	.000	.000	.000	.000
60	.059	1432.059	.000	.000	.000	.000	.000	.000	.000
61	.103	1435.103	-.038	-.033	.051	.020	.005	-2.603	-2.236
62	.244	1439.244	-.040	-.062	.074	.018	.018	-6.454	-9.925
63	.398	1440.398	-.062	-.063	.089	.017	.035	-16.391	-16.530
64	.824	1441.824	-.023	-.046	.051	.007	.042	-12.540	-24.882
65	.010	1423.010	.000	.000	.000	.000	.000	.000	.000
66	.059	1425.059	.000	.000	.000	.000	.000	.000	.000
67	.059	1428.059	.000	.000	.000	.000	.000	.000	.000
68	.059	1431.059	.000	.000	.000	.000	.000	.000	.000
69	.081	1434.081	-.042	.000	.042	.013	.003	-2.277	.000
70	.304	1436.304	-.048	-.041	.063	.014	.019	-9.616	-8.175
71	.607	1437.607	-.037	-.071	.080	.012	.048	-14.669	-28.327
72	.243	1439.243	-.046	-.120	.128	.030	.031	-7.331	-19.259
73	.010	1422.010	.000	.000	.000	.000	.000	.000	.000
74	.059	1425.059	.000	.000	.000	.000	.000	.000	.000
75	.059	1428.059	.000	.000	.000	.000	.000	.000	.000
76	.059	1430.059	.000	.000	.000	.000	.000	.000	.000
77	.059	1432.059	.000	.000	.000	.000	.000	.000	.000
78	.142	1433.142	-.044	-.037	.058	.019	.008	-4.165	-3.463
79	.500	1434.500	-.028	-.068	.073	.012	.037	-9.115	-22.333
80	.325	1435.325	-.023	-.042	.048	.010	.016	-4.951	-9.060
81	.010	1422.010	.000	.000	.000	.000	.000	.000	.000
82	.059	1425.059	.000	.000	.000	.000	.000	.000	.000
83	.059	1427.059	.000	.000	.000	.000	.000	.000	.000
84	.059	1429.059	.000	.000	.000	.000	.000	.000	.000
85	.059	1430.059	.000	.000	.000	.000	.000	.000	.000
86	.059	1431.059	-.004	.000	.004	.002	.000	-.163	.000
87	.149	1431.149	-.016	-.068	.070	.019	.010	-1.620	-6.663
88	.155	1433.155	-.014	-.032	.035	.010	.005	-1.457	-3.260
89	.010	1424.010	.000	.000	.000	.000	.000	.000	.000
90	.010	1425.010	.000	.000	.000	.000	.000	.000	.000
91	.010	1426.010	.000	.000	.000	.000	.000	.000	.000
92	.010	1427.010	.000	.000	.000	.000	.000	.000	.000
93	.010	1428.010	.000	.000	.000	.000	.000	.000	.000
94	.010	1428.010	.000	.000	.000	.000	.000	.000	.000
95	.010	1428.010	.000	.000	.000	.000	.000	.000	.000
96	.010	1430.010	.000	.000	.000	.000	.000	.000	.000

10 yr

NODE	DEPTH	ELEVATION	TIME
1	.086	1447.086	23.999
2	.086	1450.086	23.999
3	.086	1449.086	23.999
4	.100	1452.100	17.480
5	.120	1455.120	16.045
6	.227	1458.227	16.020
7	.509	1461.509	14.740
8	1.124	1464.124	13.800
9	.086	1443.086	23.999
10	.092	1446.092	23.999
11	.120	1446.120	22.149

10 YR

12	.158	1448.158	21.089
13	.274	1451.274	19.440
14	.313	1456.313	17.740
15	.592	1458.592	16.435
16	.860	1459.860	15.060
17	.086	1438.086	23.999
18	.100	1440.100	23.879
19	.116	1443.116	21.244
20	.155	1445.155	23.999
21	.100	1449.100	18.815
22	.101	1452.101	17.955
23	.396	1454.396	18.480
24	.158	1457.158	16.240
25	.010	1435.010	13.000
26	.123	1436.123	18.430
27	.151	1439.151	22.504
28	.154	1444.154	20.045
29	.335	1446.335	18.600
30	.627	1447.627	18.505
31	.473	1451.473	13.265
32	1.090	1454.090	12.790
33	.013	1430.013	23.999
34	.386	1433.386	23.999
35	.134	1437.134	22.924
36	.309	1441.309	22.564
37	.485	1443.485	21.664
38	.255	1445.255	20.270
39	.250	1448.250	8.165
40	.241	1452.241	12.660
41	.010	1427.010	13.000
42	.149	1433.149	23.999
43	.152	1435.152	23.999
44	.255	1437.255	15.370
45	.425	1440.425	13.630
46	.664	1442.664	12.025
47	.901	1445.901	14.245
48	1.160	1449.160	13.375
49	.010	1427.010	13.000
50	.160	1430.160	18.500
51	.257	1433.257	17.500
52	.570	1435.570	16.625
53	.899	1437.899	15.640
54	.919	1439.919	14.810
55	.210	1443.210	10.745
56	.461	1444.461	14.620
57	.017	1425.017	20.145
58	.512	1427.512	19.995
59	.686	1430.686	19.095
60	1.014	1433.014	18.105
61	.734	1435.734	16.645
62	.276	1439.276	14.070
63	.408	1440.408	10.930
64	.824	1441.824	13.015
65	.054	1423.054	22.219
66	1.339	1426.339	22.114
67	.855	1428.855	20.155
68	.647	1431.647	18.940
69	.379	1434.379	17.125
70	.408	1436.408	14.470
71	.609	1437.609	12.760

72	.371	1439.371	9.370
73	.038	1422.038	23.139
74	.920	1425.920	23.009
75	.362	1428.362	21.024
76	.446	1430.446	20.055
77	.377	1432.376	17.910
78	.569	1433.569	16.180
79	.621	1434.621	14.195
80	.327	1435.327	12.665
81	.022	1422.021	23.999
82	.590	1425.590	23.999
83	.420	1427.420	23.009
84	.464	1429.464	21.874
85	.587	1430.587	20.460
86	.569	1431.569	18.300
87	.758	1431.758	16.715
88	.187	1433.187	13.980
89	.010	1424.010	13.000
90	.011	1425.011	23.999
91	.011	1426.011	23.114
92	.015	1427.015	22.064
93	.020	1428.020	20.630
94	.022	1428.021	18.460
95	.030	1428.030	16.895
96	.010	1430.010	13.000

10 YR

Existing Conditions
50 YR Q
No detention

10-9-89
50YREX.DIF

TIMESTEP(HOUR) = .00500
NUMBER OF TIMESTEPS = 4800
OUTPUT INTERVAL(TIMESTEPS) = 2600
NUMBER OF NODAL POINTS = 96
UNIFORM GRID SIDE(FEET) = 660.00

NODAL POINT DATA ENTRY:

NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS FRICTION FACTOR
ELEV = NODAL POINT ELEVATION
DEPTH = WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV	DEPTH
1	.0	2.0	9.0	.0	.8000	1447.0	.0
2	.0	3.0	10.0	1.0	.8000	1450.0	.0
3	.0	4.0	11.0	2.0	.8000	1449.0	.0
4	.0	5.0	12.0	3.0	.8000	1452.0	.0
5	.0	6.0	13.0	4.0	.8000	1455.0	.0
6	.0	7.0	14.0	5.0	.8000	1458.0	.0
7	.0	8.0	15.0	6.0	.8000	1461.0	.0
8	.0	.0	16.0	7.0	.8000	1463.0	.0
9	1.0	10.0	17.0	.0	.8000	1443.0	.0
10	2.0	11.0	18.0	9.0	.8000	1446.0	.0
11	3.0	12.0	19.0	10.0	.8000	1446.0	.0
12	4.0	13.0	20.0	11.0	.8000	1448.0	.0
13	5.0	14.0	21.0	12.0	.8000	1451.0	.0
14	6.0	15.0	22.0	13.0	.8000	1456.0	.0
15	7.0	16.0	23.0	14.0	.8000	1458.0	.0
16	8.0	.0	24.0	15.0	.8000	1459.0	.0
17	9.0	18.0	25.0	.0	.8000	1438.0	.0
18	10.0	19.0	26.0	17.0	.8000	1440.0	.0
19	11.0	20.0	27.0	18.0	.8000	1443.0	.0
20	12.0	21.0	28.0	19.0	.8000	1445.0	.0
21	13.0	22.0	29.0	20.0	.8000	1449.0	.0
22	14.0	23.0	30.0	21.0	.8000	1452.0	.0
23	15.0	24.0	31.0	22.0	.8000	1454.0	.0
24	16.0	.0	32.0	23.0	.8000	1457.0	.0
25	17.0	26.0	33.0	.0	.8000	1435.0	.0
26	18.0	27.0	34.0	25.0	.8000	1436.0	.0
27	19.0	28.0	35.0	26.0	.8000	1439.0	.0
28	20.0	29.0	36.0	27.0	.8000	1444.0	.0
29	21.0	30.0	37.0	28.0	.8000	1446.0	.0
30	22.0	31.0	38.0	29.0	.8000	1447.0	.0
31	23.0	32.0	39.0	30.0	.8000	1451.0	.0
32	24.0	.0	40.0	31.0	.8000	1453.0	.0
33	25.0	34.0	41.0	.0	.8000	1430.0	.0
34	26.0	35.0	42.0	33.0	.8000	1433.0	.0
35	27.0	36.0	43.0	34.0	.8000	1437.0	.0
36	28.0	37.0	44.0	35.0	.8000	1441.0	.0
37	29.0	38.0	45.0	36.0	.8000	1443.0	.0
38	30.0	39.0	46.0	37.0	.8000	1445.0	.0
39	31.0	40.0	47.0	38.0	.8000	1448.0	.0
40	32.0	.0	48.0	39.0	.8000	1452.0	.0
41	33.0	42.0	49.0	.0	.8000	1427.0	.0
42	34.0	43.0	50.0	41.0	.8000	1433.0	.0
43	35.0	44.0	51.0	42.0	.8000	1435.0	.0

44	36.0	45.0	52.0	43.0	.8000	1437.0	.0
45	37.0	46.0	53.0	44.0	.8000	1440.0	.0
46	38.0	47.0	54.0	45.0	.8000	1442.0	.0
47	39.0	48.0	55.0	46.0	.8000	1445.0	.0
48	40.0	.0	56.0	47.0	.8000	1448.0	.0
49	41.0	50.0	57.0	.0	.8000	1427.0	.0
50	42.0	51.0	58.0	49.0	.8000	1430.0	.0
51	43.0	52.0	59.0	50.0	.8000	1433.0	.0
52	44.0	53.0	60.0	51.0	.8000	1435.0	.0
53	45.0	54.0	61.0	52.0	.8000	1437.0	.0
54	46.0	55.0	62.0	53.0	.8000	1439.0	.0
55	47.0	56.0	63.0	54.0	.8000	1443.0	.0
56	48.0	.0	64.0	55.0	.8000	1444.0	.0
57	49.0	58.0	65.0	.0	.8000	1425.0	.0
58	50.0	59.0	66.0	57.0	.8000	1427.0	.0
59	51.0	60.0	67.0	58.0	.8000	1430.0	.0
60	52.0	61.0	68.0	59.0	.8000	1432.0	.0
61	53.0	62.0	69.0	60.0	.8000	1435.0	.0
62	54.0	63.0	70.0	61.0	.8000	1439.0	.0
63	55.0	64.0	71.0	62.0	.8000	1440.0	.0
64	56.0	.0	72.0	63.0	.8000	1441.0	.0
65	57.0	66.0	73.0	.0	.8000	1423.0	.0
66	58.0	67.0	74.0	65.0	.8000	1425.0	.0
67	59.0	68.0	75.0	66.0	.8000	1428.0	.0
68	60.0	69.0	76.0	67.0	.8000	1431.0	.0
69	61.0	70.0	77.0	68.0	.8000	1434.0	.0
70	62.0	71.0	78.0	69.0	.8000	1436.0	.0
71	63.0	72.0	79.0	70.0	.8000	1437.0	.0
72	64.0	.0	80.0	71.0	.8000	1439.0	.0
73	65.0	74.0	81.0	.0	.8000	1422.0	.0
74	66.0	75.0	82.0	73.0	.8000	1425.0	.0
75	67.0	76.0	83.0	74.0	.8000	1428.0	.0
76	68.0	77.0	84.0	75.0	.8000	1430.0	.0
77	69.0	78.0	85.0	76.0	.8000	1432.0	.0
78	70.0	79.0	86.0	77.0	.8000	1433.0	.0
79	71.0	80.0	87.0	78.0	.8000	1434.0	.0
80	72.0	.0	88.0	79.0	.8000	1435.0	.0
81	73.0	82.0	89.0	.0	.8000	1422.0	.0
82	74.0	83.0	90.0	81.0	.8000	1425.0	.0
83	75.0	84.0	91.0	82.0	.8000	1427.0	.0
84	76.0	85.0	92.0	83.0	.8000	1429.0	.0
85	77.0	86.0	93.0	84.0	.8000	1430.0	.0
86	78.0	87.0	94.0	85.0	.8000	1431.0	.0
87	79.0	88.0	95.0	86.0	.8000	1431.0	.0
88	80.0	.0	96.0	87.0	.8000	1433.0	.0
89	81.0	90.0	.0	.0	.8000	1424.0	.0
90	82.0	91.0	.0	89.0	.8000	1425.0	.0
91	83.0	92.0	.0	90.0	.8000	1426.0	.0
92	84.0	93.0	.0	91.0	.8000	1427.0	.0
93	85.0	94.0	.0	92.0	.8000	1428.0	.0
94	86.0	95.0	.0	93.0	.8000	1428.0	.0
95	87.0	96.0	.0	94.0	.8000	1428.0	.0
96	88.0	.0	.0	95.0	.8000	1430.0	.0

NUMBER OF BOUNDARY CONDITION NODAL POINTS = 4

BOUNDARY CONDITION NODE NUMBERS:

8 32 48 64

NUMBER OF HYDROGRAPH RATE ENTRIES = 20

LINEAR FUCTION IN FLOWRATE(CFS) IN GRID ELEMENT:

HOUR	FLOWRATE/EACH BC NODE									
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11.8	5.9	67.4	23.2	29.4	.0	.0	.0	.0	.0	.0
12.0	20.7	118.0	63.7	57.8	.0	.0	.0	.0	.0	.0
12.2	51.7	158.0	117.2	83.7	.0	.0	.0	.0	.0	.0
12.3	101.4	188.0	172.8	104.6	.0	.0	.0	.0	.0	.0
12.5	167.5	210.0	225.8	120.2	.0	.0	.0	.0	.0	.0
12.6	241.5	197.6	271.8	119.5	.0	.0	.0	.0	.0	.0
12.8	309.0	125.9	292.7	86.3	.0	.0	.0	.0	.0	.0
13.0	353.3	65.6	266.0	50.0	.0	.0	.0	.0	.0	.0
13.1	366.0	39.9	227.6	30.0	.0	.0	.0	.0	.0	.0
13.3	351.4	26.6	195.9	19.8	.0	.0	.0	.0	.0	.0
13.4	319.8	19.7	169.8	14.2	.0	.0	.0	.0	.0	.0
13.6	281.2	16.4	149.0	11.2	.0	.0	.0	.0	.0	.0
13.8	243.4	13.5	131.8	9.1	.0	.0	.0	.0	.0	.0
13.9	209.3	11.3	116.2	7.5	.0	.0	.0	.0	.0	.0
14.1	179.1	10.4	102.3	6.6	.0	.0	.0	.0	.0	.0
14.2	153.0	10.3	90.3	6.4	.0	.0	.0	.0	.0	.0
14.4	131.2	10.4	80.2	6.4	.0	.0	.0	.0	.0	.0
14.6	113.2	10.5	71.8	6.4	.0	.0	.0	.0	.0	.0

NUMBER OF CRITICAL-DEPTH OUTFLOW NODES = 16

CRITICAL-DEPTH OUTFLOW NODE NUMBERS:

25 33 41 49 57 65 73 81 89 90

91 92 93 94 95 96

UNIFORM EFFECTIVE RAINFALL ON DOMAIN AS LINEAR FU BETWEEN POINTS

HOUR	RAINFALL (IN/HR)
.00	.00
1.00	.01
2.00	.02
3.00	.01
4.00	.02
9.00	.02
10.00	.05
11.00	.06
12.00	.67
13.00	.67
14.00	.06
15.00	.05
16.00	.01
17.00	.02
18.00	.02
19.00	.02
20.00	.01
21.00	.02
24.00	.02
25.00	.00

MODEL TIME(HOURS) = 13.0002 INFLOW(CFS/LF) = .0682

1 N = .8000PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.105	1447.105	-.013	-.016	.021	.008	.002	-.940	-1.131
2	.102	1450.102	-.006	-.016	.017	.006	.002	-.392	-1.071
3	.107	1449.107	-.006	-.014	.015	.005	.002	-.429	-.991
4	.105	1452.105	-.029	-.016	.034	.012	.004	-2.032	-1.138
5	.116	1455.116	-.038	-.018	.042	.014	.005	-2.886	-1.365
6	.190	1458.190	-.047	-.016	.050	.013	.009	-5.925	-2.030
7	.306	1461.306	-.172	-.035	.175	.033	.054	-34.680	-7.140
8	1.365	1464.365	-.034	-.056	.066	.007	.090	-30.586	-50.810
9	.107	1443.107	-.014	-.034	.037	.013	.004	-.967	-2.429
10	.104	1446.104	-.014	-.035	.038	.014	.004	-.967	-2.431
11	.107	1446.107	-.012	-.028	.030	.011	.003	-.817	-1.962
12	.108	1448.108	-.027	-.030	.040	.015	.004	-1.932	-2.124
13	.121	1451.121	-.042	-.028	.051	.018	.006	-3.402	-2.230
14	.181	1456.181	-.057	-.032	.066	.019	.012	-6.805	-3.842
15	.401	1458.401	-.049	-.046	.067	.013	.027	-13.045	-12.047
16	.620	1459.620	-.021	-.141	.142	.018	.088	-8.526	-57.667
17	.109	1438.109	-.011	-.018	.021	.008	.002	-.816	-1.298
18	.106	1440.106	-.025	-.037	.045	.017	.005	-1.780	-2.579
19	.104	1443.104	-.025	-.040	.047	.018	.005	-1.746	-2.757
20	.105	1445.105	-.027	-.036	.044	.017	.005	-1.854	-2.471
21	.100	1449.100	-.016	-.084	.086	.028	.009	-1.072	-5.550
22	.100	1452.100	.000	-.028	.028	.008	.003	.000	-1.812
23	.101	1454.101	-.013	-.074	.075	.024	.008	-.895	-4.908
24	.099	1457.099	-.014	-.510	.511	.147	.051	-.895	-33.472
25	.015	1435.015	.000	.000	.000	.000	.000	.000	.000
26	.116	1436.116	-.022	-.030	.037	.014	.004	-1.690	-2.331
27	.177	1439.177	-.057	-.028	.063	.018	.011	-6.595	-3.228
28	.298	1444.298	-.061	-.029	.067	.014	.020	-11.918	-5.640
29	.463	1446.463	-.072	-.052	.089	.016	.041	-22.149	-15.981
30	.903	1447.903	-.092	-.031	.097	.011	.088	-54.941	-18.663
31	.893	1451.893	-.156	-.027	.158	.017	.141	-91.899	-16.123
32	1.501	1454.501	-.053	-.058	.078	.008	.118	-52.095	-57.617
33	.015	1430.015	.000	.000	.000	.000	.000	.000	.000
34	.113	1433.113	-.018	-.015	.023	.009	.003	-1.354	-1.111
35	.124	1437.124	-.045	-.032	.055	.019	.007	-3.678	-2.608
36	.202	1441.202	-.059	-.059	.083	.023	.017	-7.912	-7.796
37	.456	1443.456	-.046	-.066	.080	.015	.037	-13.848	-19.741
38	.411	1445.411	-.049	-.136	.145	.026	.060	-13.349	-36.987
39	.173	1448.173	-.091	-.308	.321	.085	.056	-10.448	-35.150
40	.358	1452.358	-.023	-.303	.304	.048	.109	-5.360	-71.498
41	.015	1427.015	.000	.000	.000	.000	.000	.000	.000
42	.110	1433.110	-.015	-.017	.023	.008	.002	-1.078	-1.221
43	.143	1435.143	-.033	-.040	.052	.017	.007	-3.145	-3.813
44	.227	1437.227	-.045	-.079	.091	.023	.021	-6.675	-11.836
45	.306	1440.306	-.102	-.123	.160	.036	.049	-20.663	-24.782
46	.883	1442.883	-.112	-.097	.149	.020	.131	-65.475	-56.795
47	1.269	1446.269	-.160	-.050	.168	.016	.213	-133.928	-41.680
48	1.690	1449.690	-.076	-.090	.118	.011	.199	-84.508	-100.563
49	.015	1427.015	.000	.000	.000	.000	.000	.000	.000
50	.134	1430.134	-.038	-.029	.048	.016	.006	-3.347	-2.588
51	.303	1433.303	-.075	-.040	.085	.019	.026	-15.057	-8.096

52	.701	1435.701	-.080	-.083	.115	.017	.081	-36.838	-38.466
53	.923	1437.923	-.098	-.075	.124	.016	.114	-59.958	-45.902
54	1.073	1440.073	-.074	-.069	.101	.012	.108	-52.066	-48.972
55	.108	1443.108	-.285	-.441	.525	.195	.057	-20.281	-31.320
56	.430	1444.430	-.011	-.307	.307	.043	.132	-3.044	-87.126
57	.015	1425.015	.000	.000	.000	.000	.000	.000	.000
58	.126	1427.126	-.037	-.028	.047	.016	.006	-3.091	-2.352
59	.292	1430.292	-.116	-.043	.124	.026	.036	-22.383	-8.259
60	1.017	1433.017	-.086	-.070	.111	.014	.113	-57.974	-47.292
61	.925	1435.925	-.091	-.076	.119	.015	.110	-55.321	-46.664
62	.203	1439.203	-.186	-.108	.215	.057	.044	-24.964	-14.408
63	.734	1440.734	-.080	-.071	.107	.015	.078	-38.656	-34.173
64	1.288	1442.288	-.036	-.073	.081	.008	.105	-30.330	-62.113
65	.015	1423.015	.000	.000	.000	.000	.000	.000	.000
66	.114	1425.114	-.019	-.013	.023	.008	.003	-1.436	-.985
67	.152	1428.152	-.064	-.030	.071	.021	.011	-6.482	-2.973
68	.403	1431.403	-.067	-.078	.102	.020	.041	-17.756	-20.641
69	.569	1434.569	-.054	-.081	.098	.016	.056	-20.308	-30.521
70	.287	1436.287	-.093	-.085	.126	.029	.036	-17.628	-16.116
71	.771	1437.771	-.052	-.086	.101	.014	.078	-26.651	-43.999
72	.579	1439.579	-.044	-.135	.142	.021	.082	-16.621	-51.727
73	.015	1422.015	.000	.000	.000	.000	.000	.000	.000
74	.108	1425.108	-.015	.000	.015	.004	.002	-1.044	.000
75	.112	1428.112	-.036	-.010	.038	.012	.004	-2.699	-.767
76	.212	1430.212	-.068	-.035	.077	.020	.016	-9.562	-4.894
77	.586	1432.586	-.053	-.060	.080	.013	.047	-20.410	-23.219
78	.721	1433.721	-.043	-.070	.082	.012	.059	-20.428	-33.066
79	.425	1434.425	-.051	-.145	.154	.027	.065	-14.435	-40.714
80	.479	1435.479	-.021	-.067	.071	.011	.034	-6.511	-21.324
81	.015	1422.015	.000	.000	.000	.000	.000	.000	.000
82	.107	1425.107	-.012	.000	.012	.003	.001	-.821	.000
83	.109	1427.109	-.025	-.008	.026	.009	.003	-1.769	-.605
84	.126	1429.126	-.039	-.015	.042	.013	.005	-3.215	-1.274
85	.336	1430.336	-.060	-.053	.080	.017	.027	-13.370	-11.820
86	.795	1431.795	-.041	-.060	.073	.010	.058	-21.756	-31.552
87	1.054	1432.054	-.029	-.057	.064	.007	.068	-20.408	-39.934
88	.100	1433.100	-.148	-.070	.164	.061	.016	-9.756	-4.651
89	.015	1424.015	.000	.000	.000	.000	.000	.000	.000
90	.015	1425.015	.000	.000	.000	.000	.000	.000	.000
91	.015	1426.015	.000	.000	.000	.000	.000	.000	.000
92	.015	1427.015	.000	.000	.000	.000	.000	.000	.000
93	.019	1428.019	.000	-.160	.160	.102	.003	.000	-2.023
94	.037	1428.037	.000	-.435	.435	.198	.016	.000	-10.696
95	.050	1428.050	.000	-.538	.538	.212	.027	.000	-17.714
96	.015	1430.015	.000	.000	.000	.000	.000	.000	.000

NODE	DEPTH	ELEVATION	TIME
1	.126	1447.126	13.690
2	.103	1450.103	13.200
3	.141	1449.141	13.995
4	.116	1452.116	13.595
5	.137	1455.137	14.800
6	.368	1458.368	14.890
7	.778	1461.778	14.160
8	1.810	1464.810	13.510
9	.148	1443.148	14.045
10	.113	1446.113	13.515
11	.351	1446.351	20.415

12	.395	1448.395	18.535
13	.695	1451.695	17.160
14	.712	1456.712	15.845
15	1.208	1459.208	14.995
16	1.540	1460.540	14.370
17	.284	1438.284	15.875
18	.134	1440.134	13.855
19	.145	1443.145	22.749
20	.382	1445.382	21.159
21	.101	1449.101	17.155
22	.102	1452.102	16.375
23	.944	1454.944	16.695
24	.380	1457.380	15.235
25	.015	1435.015	13.000
26	.223	1436.223	14.945
27	.447	1439.447	19.705
28	.310	1444.310	13.495
29	.676	1446.676	17.360
30	1.206	1448.206	16.735
31	.905	1451.905	13.190
32	1.616	1454.616	12.725
33	.029	1430.029	20.685
34	.732	1433.732	20.510
35	.241	1437.241	15.675
36	.584	1441.584	19.705
37	.897	1443.897	18.785
38	.537	1445.537	18.025
39	.328	1448.328	5.795
40	.390	1452.390	12.645
41	.022	1427.022	22.579
42	.485	1433.485	22.424
43	.428	1435.428	22.214
44	.600	1437.600	21.269
45	.526	1440.526	14.720
46	1.149	1443.149	14.135
47	1.513	1446.513	13.705
48	1.719	1449.719	13.140
49	.015	1427.015	13.000
50	.290	1430.290	23.999
51	.350	1433.350	13.605
52	.727	1435.727	16.340
53	1.416	1438.416	15.470
54	1.511	1440.511	14.855
55	.298	1443.298	7.580
56	.852	1444.852	14.205
57	.026	1425.026	16.140
58	.727	1427.727	16.000
59	.938	1430.938	17.975
60	1.479	1433.479	16.975
61	.990	1435.990	16.115
62	.386	1439.386	15.195
63	.764	1440.764	13.450
64	1.307	1442.307	12.845
65	.086	1423.086	18.765
66	1.925	1426.925	18.695
67	1.191	1429.191	15.840
68	.919	1431.919	14.675
69	.570	1434.570	13.105
70	.558	1436.558	16.205
71	1.044	1438.044	14.575

72	.588	1439.588	13.230
73	.069	1422.069	18.960
74	1.513	1426.513	18.935
75	.584	1428.584	16.480
76	.714	1430.714	15.495
77	.646	1432.646	13.610
78	.817	1433.817	12.040
79	.823	1434.823	10.040
80	.598	1435.598	14.495
81	.056	1422.056	20.045
82	1.276	1426.276	19.940
83	.731	1427.731	17.960
84	.807	1429.807	17.060
85	.937	1430.937	15.605
86	.881	1431.881	13.870
87	1.145	1432.145	15.975
88	.184	1433.183	10.095
89	.015	1424.015	13.000
90	.037	1425.037	20.070
91	.022	1426.022	18.115
92	.029	1427.029	17.195
93	.035	1428.035	15.680
94	.039	1428.039	13.435
95	.050	1428.050	13.140
96	.015	1430.015	13.000

TIMESTEP(HOUR) = .00500
NUMBER OF TIMESTEPS = 4800
OUTPUT INTERVAL(TIMESTEPS) = 2600
NUMBER OF NODAL POINTS = 96
UNIFORM GRID SIDE(FEET) = 660.00

Existing Conditions
100 YR Q
No detention

10-2-97
100YREX.DIF

NODAL POINT DATA ENTRY:

NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS FRICTION FACTOR
ELEV = NODAL POINT ELEVATION
DEPTH = WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV	DEPTH
1	.0	2.0	9.0	.0	.8000	1447.0	.0
2	.0	3.0	10.0	1.0	.8000	1450.0	.0
3	.0	4.0	11.0	2.0	.8000	1449.0	.0
4	.0	5.0	12.0	3.0	.8000	1452.0	.0
5	.0	6.0	13.0	4.0	.8000	1455.0	.0
6	.0	7.0	14.0	5.0	.8000	1458.0	.0
7	.0	8.0	15.0	6.0	.8000	1461.0	.0
8	.0	.0	16.0	7.0	.8000	1463.0	.0
9	1.0	10.0	17.0	.0	.8000	1443.0	.0
10	2.0	11.0	18.0	9.0	.8000	1446.0	.0
11	3.0	12.0	19.0	10.0	.8000	1446.0	.0
12	4.0	13.0	20.0	11.0	.8000	1448.0	.0
13	5.0	14.0	21.0	12.0	.8000	1451.0	.0
14	6.0	15.0	22.0	13.0	.8000	1456.0	.0
15	7.0	16.0	23.0	14.0	.8000	1458.0	.0
16	8.0	.0	24.0	15.0	.8000	1459.0	.0
17	9.0	18.0	25.0	.0	.8000	1438.0	.0
18	10.0	19.0	26.0	17.0	.8000	1440.0	.0
19	11.0	20.0	27.0	18.0	.8000	1443.0	.0
20	12.0	21.0	28.0	19.0	.8000	1445.0	.0
21	13.0	22.0	29.0	20.0	.8000	1449.0	.0
22	14.0	23.0	30.0	21.0	.8000	1452.0	.0
23	15.0	24.0	31.0	22.0	.8000	1454.0	.0
24	16.0	.0	32.0	23.0	.8000	1457.0	.0
25	17.0	26.0	33.0	.0	.8000	1435.0	.0
26	18.0	27.0	34.0	25.0	.8000	1436.0	.0
27	19.0	28.0	35.0	26.0	.8000	1439.0	.0
28	20.0	29.0	36.0	27.0	.8000	1444.0	.0
29	21.0	30.0	37.0	28.0	.8000	1446.0	.0
30	22.0	31.0	38.0	29.0	.8000	1447.0	.0
31	23.0	32.0	39.0	30.0	.8000	1451.0	.0
32	24.0	.0	40.0	31.0	.8000	1453.0	.0
33	25.0	34.0	41.0	.0	.8000	1430.0	.0
34	26.0	35.0	42.0	33.0	.8000	1433.0	.0
35	27.0	36.0	43.0	34.0	.8000	1437.0	.0
36	28.0	37.0	44.0	35.0	.8000	1441.0	.0
37	29.0	38.0	45.0	36.0	.8000	1443.0	.0
38	30.0	39.0	46.0	37.0	.8000	1445.0	.0
39	31.0	40.0	47.0	38.0	.8000	1448.0	.0
40	32.0	.0	48.0	39.0	.8000	1452.0	.0
41	33.0	42.0	49.0	.0	.8000	1427.0	.0
42	34.0	43.0	50.0	41.0	.8000	1433.0	.0
43	35.0	44.0	51.0	42.0	.8000	1435.0	.0

44	36.0	45.0	52.0	43.0	.8000	1437.0	.0
45	37.0	46.0	53.0	44.0	.8000	1440.0	.0
46	38.0	47.0	54.0	45.0	.8000	1442.0	.0
47	39.0	48.0	55.0	46.0	.8000	1445.0	.0
48	40.0	.0	56.0	47.0	.8000	1448.0	.0
49	41.0	50.0	57.0	.0	.8000	1427.0	.0
50	42.0	51.0	58.0	49.0	.8000	1430.0	.0
51	43.0	52.0	59.0	50.0	.8000	1433.0	.0
52	44.0	53.0	60.0	51.0	.8000	1435.0	.0
53	45.0	54.0	61.0	52.0	.8000	1437.0	.0
54	46.0	55.0	62.0	53.0	.8000	1439.0	.0
55	47.0	56.0	63.0	54.0	.8000	1443.0	.0
56	48.0	.0	64.0	55.0	.8000	1444.0	.0
57	49.0	58.0	65.0	.0	.8000	1425.0	.0
58	50.0	59.0	66.0	57.0	.8000	1427.0	.0
59	51.0	60.0	67.0	58.0	.8000	1430.0	.0
60	52.0	61.0	68.0	59.0	.8000	1432.0	.0
61	53.0	62.0	69.0	60.0	.8000	1435.0	.0
62	54.0	63.0	70.0	61.0	.8000	1439.0	.0
63	55.0	64.0	71.0	62.0	.8000	1440.0	.0
64	56.0	.0	72.0	63.0	.8000	1441.0	.0
65	57.0	66.0	73.0	.0	.8000	1423.0	.0
66	58.0	67.0	74.0	65.0	.8000	1425.0	.0
67	59.0	68.0	75.0	66.0	.8000	1428.0	.0
68	60.0	69.0	76.0	67.0	.8000	1431.0	.0
69	61.0	70.0	77.0	68.0	.8000	1434.0	.0
70	62.0	71.0	78.0	69.0	.8000	1436.0	.0
71	63.0	72.0	79.0	70.0	.8000	1437.0	.0
72	64.0	.0	80.0	71.0	.8000	1439.0	.0
73	65.0	74.0	81.0	.0	.8000	1422.0	.0
74	66.0	75.0	82.0	73.0	.8000	1425.0	.0
75	67.0	76.0	83.0	74.0	.8000	1428.0	.0
76	68.0	77.0	84.0	75.0	.8000	1430.0	.0
77	69.0	78.0	85.0	76.0	.8000	1432.0	.0
78	70.0	79.0	86.0	77.0	.8000	1433.0	.0
79	71.0	80.0	87.0	78.0	.8000	1434.0	.0
80	72.0	.0	88.0	79.0	.8000	1435.0	.0
81	73.0	82.0	89.0	.0	.8000	1422.0	.0
82	74.0	83.0	90.0	81.0	.8000	1425.0	.0
83	75.0	84.0	91.0	82.0	.8000	1427.0	.0
84	76.0	85.0	92.0	83.0	.8000	1429.0	.0
85	77.0	86.0	93.0	84.0	.8000	1430.0	.0
86	78.0	87.0	94.0	85.0	.8000	1431.0	.0
87	79.0	88.0	95.0	86.0	.8000	1431.0	.0
88	80.0	.0	96.0	87.0	.8000	1433.0	.0
89	81.0	90.0	.0	.0	.8000	1424.0	.0
90	82.0	91.0	.0	89.0	.8000	1425.0	.0
91	83.0	92.0	.0	90.0	.8000	1426.0	.0
92	84.0	93.0	.0	91.0	.8000	1427.0	.0
93	85.0	94.0	.0	92.0	.8000	1428.0	.0
94	86.0	95.0	.0	93.0	.8000	1428.0	.0
95	87.0	96.0	.0	94.0	.8000	1428.0	.0
96	88.0	.0	.0	95.0	.8000	1430.0	.0

NUMBER OF BOUNDARY CONDITION NODAL POINTS = 4

BOUNDARY CONDITION NODE NUMBERS:

8 32 48 64

NUMBER OF HYDROGRAPH RATE ENTRIES = 20

LINEAR FUCTION IN FLOWRATE(CFS) IN GRID ELEMENT:

HOUR	FLOWRATE/EACH BC NODE									
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11.8	10.1	87.8	47.6	39.7	.0	.0	.0	.0	.0	.0
12.0	32.0	148.4	106.0	74.5	.0	.0	.0	.0	.0	.0
12.2	74.9	193.8	172.1	104.7	.0	.0	.0	.0	.0	.0
12.3	140.6	226.6	237.7	128.1	.0	.0	.0	.0	.0	.0
12.5	225.4	250.2	299.8	145.0	.0	.0	.0	.0	.0	.0
12.6	318.8	233.7	350.4	142.8	.0	.0	.0	.0	.0	.0
12.8	402.6	148.4	351.3	102.6	.0	.0	.0	.0	.0	.0
13.0	456.6	77.2	312.5	59.4	.0	.0	.0	.0	.0	.0
13.1	470.4	46.8	273.1	35.5	.0	.0	.0	.0	.0	.0
13.3	450.2	31.1	238.6	23.4	.0	.0	.0	.0	.0	.0
13.4	407.6	23.0	207.9	16.7	.0	.0	.0	.0	.0	.0
13.6	354.3	19.2	182.4	13.2	.0	.0	.0	.0	.0	.0
13.8	302.4	15.7	160.2	10.7	.0	.0	.0	.0	.0	.0
13.9	256.6	13.1	139.6	8.8	.0	.0	.0	.0	.0	.0
14.1	216.8	12.2	121.4	7.8	.0	.0	.0	.0	.0	.0
14.2	183.2	12.0	105.8	7.5	.0	.0	.0	.0	.0	.0
14.4	155.3	12.1	92.7	7.5	.0	.0	.0	.0	.0	.0
14.6	132.6	12.2	81.8	7.6	.0	.0	.0	.0	.0	.0

NUMBER OF CRITICAL-DEPTH OUTFLOW NODES = 16

CRITICAL-DEPTH OUTFLOW NODE NUMBERS:

25 33 41 49 57 65 73 81 89 90

91 92 93 94 95 96

UNIFORM EFFECTIVE RAINFALL ON DOMAIN AS LINEAR FU BETWEEN POINTS

HOUR	RAINFALL (IN/HR)
.00	.00
1.00	.02
2.00	.02
3.00	.02
4.00	.02
9.00	.02
10.00	.06
11.00	.07
12.00	.81
13.00	.81
14.00	.07
15.00	.06
16.00	.02
17.00	.02
18.00	.02
19.00	.02
20.00	.02
21.00	.02
24.00	.02
25.00	.00

MODEL TIME(HOURS) = 13.0002 INFLOW(CFS/LF) = .0809

1 N = .8000PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.126	1447.126	-.014	-.019	.023	.008	.003	-1.155	-1.571
2	.109	1450.109	-.006	-.018	.019	.006	.002	-.467	-1.264
3	.131	1449.131	-.007	-.016	.018	.006	.002	-.616	-1.422
4	.121	1452.121	-.033	-.019	.039	.013	.005	-2.672	-1.554
5	.138	1455.138	-.041	-.026	.048	.016	.007	-3.717	-2.348
6	.218	1458.218	-.050	-.026	.057	.014	.012	-7.190	-3.787
7	.332	1461.332	-.227	-.045	.232	.042	.077	-49.721	-9.915
8	1.709	1464.709	-.040	-.069	.080	.007	.136	-44.879	-77.841
9	.133	1443.133	-.015	-.040	.043	.013	.006	-1.293	-3.538
10	.118	1446.118	-.018	-.039	.043	.015	.005	-1.389	-3.035
11	.134	1446.134	-.015	-.031	.034	.011	.005	-1.294	-2.707
12	.136	1448.136	-.036	-.033	.049	.016	.007	-3.245	-2.940
13	.193	1451.193	-.061	-.029	.068	.018	.013	-7.819	-3.746
14	.331	1456.331	-.067	-.035	.075	.016	.025	-14.620	-7.569
15	.540	1458.540	-.065	-.049	.081	.014	.044	-23.216	-17.425
16	.833	1459.833	-.026	-.162	.164	.018	.136	-14.368	-88.779
17	.144	1438.144	-.013	-.021	.024	.008	.003	-1.204	-1.967
18	.128	1440.128	-.029	-.044	.052	.018	.007	-2.429	-3.684
19	.115	1443.115	-.029	-.059	.065	.023	.008	-2.211	-4.453
20	.125	1445.125	-.027	-.038	.047	.016	.006	-2.231	-3.127
21	.100	1449.100	-.019	-.112	.113	.036	.011	-1.246	-7.375
22	.100	1452.100	.000	-.057	.057	.016	.006	.000	-3.781
23	.100	1454.100	.000	-.316	.316	.088	.032	.000	-20.849
24	.100	1457.100	.000	-.166	.166	.046	.017	.000	-10.937
25	.017	1435.017	.000	.000	.000	.000	.000	.000	.000
26	.164	1436.164	-.032	-.036	.048	.015	.008	-3.462	-3.882
27	.284	1439.284	-.057	-.035	.067	.015	.019	-10.699	-6.470
28	.319	1444.319	-.077	-.043	.088	.019	.028	-16.284	-9.031
29	.560	1446.560	-.093	-.061	.111	.018	.062	-34.278	-22.388
30	1.219	1448.219	-.102	-.036	.108	.011	.132	-82.085	-28.768
31	1.035	1452.035	-.175	-.051	.183	.020	.189	-119.702	-34.945
32	1.641	1454.641	-.058	-.034	.067	.006	.110	-62.847	-36.935
33	.017	1430.017	.000	.000	.000	.000	.000	.000	.000
34	.159	1433.159	-.027	-.020	.034	.010	.005	-2.829	-2.130
35	.208	1437.208	-.068	-.039	.079	.021	.016	-9.393	-5.389
36	.393	1441.393	-.067	-.059	.089	.018	.035	-17.479	-15.246
37	.595	1443.595	-.055	-.080	.097	.015	.058	-21.447	-31.546
38	.427	1445.427	-.059	-.179	.189	.032	.081	-16.717	-50.608
39	.227	1448.227	-.087	-.307	.319	.073	.072	-13.045	-45.987
40	.389	1452.389	-.027	-.327	.328	.050	.128	-6.859	-84.041
41	.017	1427.017	.000	.000	.000	.000	.000	.000	.000
42	.129	1433.129	-.017	-.023	.029	.010	.004	-1.406	-1.977
43	.167	1435.167	-.039	-.042	.057	.017	.010	-4.310	-4.627
44	.285	1437.285	-.062	-.080	.101	.023	.029	-11.669	-15.103
45	.490	1440.490	-.102	-.131	.166	.029	.081	-32.908	-42.284
46	1.034	1443.034	-.131	-.109	.170	.021	.176	-89.499	-74.326
47	1.493	1446.493	-.174	-.056	.183	.017	.273	-171.285	-54.961
48	1.897	1449.897	-.085	-.107	.137	.012	.259	-105.929	-134.315
49	.017	1427.017	.000	.000	.000	.000	.000	.000	.000
50	.180	1430.180	-.029	-.054	.062	.017	.011	-3.396	-6.473
51	.263	1433.263	-.065	-.108	.126	.030	.033	-11.199	-18.730

52	.536	1435.536	-.109	-.111	.155	.026	.083	-38.423	-39.279
53	1.197	1438.197	-.105	-.081	.133	.015	.159	-83.223	-64.218
54	1.356	1440.356	-.086	-.079	.117	.012	.158	-76.564	-70.841
55	.123	1443.123	-.393	-.508	.642	.226	.079	-31.929	-41.227
56	.773	1444.773	-.016	-.260	.261	.028	.201	-7.968	-132.742
57	.022	1425.022	-.170	.000	.170	.102	.004	-2.423	.000
58	.373	1427.373	-.105	-.039	.112	.021	.042	-25.753	-9.503
59	.974	1430.974	-.110	-.068	.129	.016	.126	-70.811	-43.741
60	1.356	1433.356	-.101	-.077	.127	.013	.172	-90.236	-69.215
61	.812	1435.812	-.114	-.093	.147	.020	.119	-60.954	-49.575
62	.353	1439.353	-.131	-.115	.174	.036	.061	-30.480	-26.709
63	.840	1440.840	-.098	-.089	.132	.018	.111	-54.317	-49.481
64	1.550	1442.550	-.041	-.091	.099	.009	.154	-42.035	-92.592
65	.019	1423.019	-.096	.000	.096	.062	.002	-1.190	.000
66	.244	1425.244	-.092	-.033	.098	.022	.024	-14.848	-5.325
67	.745	1428.745	-.101	-.066	.121	.017	.090	-49.657	-32.683
68	1.047	1432.047	-.084	-.086	.120	.015	.125	-57.847	-59.256
69	.417	1434.417	-.108	-.085	.138	.026	.057	-29.752	-23.344
70	.421	1436.421	-.104	-.073	.127	.024	.053	-28.896	-20.274
71	1.152	1438.152	-.059	-.098	.115	.013	.132	-44.846	-74.794
72	.628	1439.628	-.058	-.170	.180	.025	.113	-23.853	-70.673
73	.017	1422.017	.000	.000	.000	.000	.000	.000	.000
74	.147	1425.147	-.027	-.006	.028	.008	.004	-2.630	-.573
75	.235	1428.235	-.085	-.043	.096	.023	.023	-13.269	-6.751
76	.707	1430.707	-.059	-.068	.090	.013	.064	-27.497	-31.822
77	.628	1432.628	-.063	-.077	.099	.016	.062	-26.178	-31.757
78	.541	1433.541	-.053	-.086	.101	.017	.054	-18.904	-30.515
79	.598	1434.598	-.055	-.173	.181	.026	.108	-21.548	-68.118
80	.690	1435.690	-.026	-.070	.075	.010	.052	-11.964	-31.843
81	.017	1422.017	.000	.000	.000	.000	.000	.000	.000
82	.136	1425.136	-.015	-.001	.015	.004	.002	-1.362	-.094
83	.156	1427.156	-.049	-.016	.051	.014	.008	-5.021	-1.620
84	.359	1429.359	-.078	-.050	.093	.019	.033	-18.575	-11.922
85	.956	1430.956	-.059	-.053	.079	.010	.076	-37.175	-33.653
86	.961	1431.961	-.059	-.053	.080	.010	.077	-37.652	-33.648
87	1.257	1432.257	-.032	-.068	.075	.008	.095	-26.954	-56.506
88	.104	1433.104	-.168	-.119	.206	.078	.021	-11.560	-8.228
89	.017	1424.017	.000	.000	.000	.000	.000	.000	.000
90	.017	1425.017	.000	.000	.000	.000	.000	.000	.000
91	.017	1426.017	.000	.000	.000	.000	.000	.000	.000
92	.021	1427.021	.000	-.161	.161	.097	.003	.000	-2.272
93	.042	1428.042	.000	-.462	.462	.199	.019	.000	-12.735
94	.047	1428.047	.000	-.485	.485	.197	.023	.000	-15.052
95	.061	1428.061	.000	-.607	.607	.217	.037	.000	-24.347
96	.017	1430.017	.000	.000	.000	.000	.000	.000	.000

NODE	DEPTH	ELEVATION	TIME
1	.150	1447.150	13.760
2	.110	1450.110	13.195
3	.172	1449.172	13.930
4	.132	1452.132	13.510
5	.149	1455.149	13.545
6	.397	1458.397	14.710
7	.903	1461.903	14.035
8	2.121	1465.121	13.435
9	.180	1443.180	14.140
10	.127	1446.127	13.485
11	.454	1446.454	19.090

100YR

12	.491	1448.491	17.575
13	.862	1451.862	16.440
14	.845	1456.845	15.370
15	1.425	1459.425	14.710
16	1.832	1460.832	14.145
17	.394	1438.394	16.185
18	.152	1440.152	13.705
19	.194	1443.194	20.969
20	.502	1445.502	19.730
21	.121	1449.121	16.775
22	.155	1452.156	16.320
23	1.156	1455.156	16.150
24	.490	1457.490	14.950
25	.017	1435.017	13.430
26	.291	1436.291	14.870
27	.613	1439.613	19.280
28	.319	1444.319	13.065
29	.795	1446.795	17.015
30	1.397	1448.397	16.780
31	1.035	1452.035	13.005
32	1.781	1454.781	12.715
33	.036	1430.036	20.300
34	.885	1433.885	20.210
35	.358	1437.358	14.710
36	.680	1441.680	18.930
37	1.035	1444.035	18.035
38	.675	1445.675	17.590
39	.251	1448.251	5.120
40	.435	1452.435	12.525
41	.030	1427.030	21.249
42	.628	1433.628	21.119
43	.500	1435.500	20.820
44	.761	1437.761	20.235
45	.605	1440.605	14.390
46	1.274	1443.274	14.070
47	1.691	1446.691	13.560
48	1.900	1449.900	13.045
49	.018	1427.018	13.185
50	.354	1430.354	23.999
51	.293	1433.293	12.395
52	.901	1435.901	15.680
53	1.543	1438.543	14.990
54	1.656	1440.656	14.710
55	.378	1443.378	6.340
56	1.081	1445.081	13.855
57	.028	1425.028	14.615
58	.775	1427.775	14.485
59	1.144	1431.144	16.905
60	1.697	1433.697	16.005
61	1.129	1436.129	15.300
62	.431	1439.431	8.710
63	.855	1440.855	13.340
64	1.568	1442.568	12.855
65	.103	1423.103	18.330
66	2.205	1427.205	18.260
67	1.368	1429.368	14.215
68	1.159	1432.159	16.895
69	.638	1434.638	16.065
70	.728	1436.728	14.935
71	1.206	1438.206	13.630

100 YR

72	.646	1439.646	5.475
73	.083	1422.083	18.235
74	1.755	1426.755	18.190
75	.757	1428.757	14.805
76	.865	1430.865	13.795
77	.735	1432.735	12.165
78	.942	1433.942	10.305
79	.956	1434.956	8.695
80	.751	1435.751	13.910
81	.069	1422.069	18.635
82	1.515	1426.515	18.545
83	.914	1427.914	16.140
84	.944	1429.944	15.145
85	1.096	1431.096	13.940
86	1.045	1432.045	16.335
87	1.390	1432.390	15.110
88	.199	1433.199	8.630
89	.017	1424.017	13.000
90	.047	1425.047	18.650
91	.029	1426.029	16.275
92	.036	1427.036	15.230
93	.045	1428.045	13.575
94	.047	1428.047	13.005
95	.063	1428.063	15.130
96	.017	1430.017	13.000

TIMESTEP(HOUR) = .00500
NUMBER OF TIMESTEPS = 4800
OUTPUT INTERVAL(TIMESTEPS) = 2600
NUMBER OF NODAL POINTS = 96
UNIFORM GRID SIDE(FEET) = 660.00

Existing conditions 10-9-89
500 YR Q
No detention
500 YR EX. DIF

NODAL POINT DATA ENTRY:

NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS FRICTION FACTOR
ELEV = NODAL POINT ELEVATION
DEPTH = WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV	DEPTH
1	.0	2.0	9.0	.0	.8000	1447.0	.0
2	.0	3.0	10.0	1.0	.8000	1450.0	.0
3	.0	4.0	11.0	2.0	.8000	1449.0	.0
4	.0	5.0	12.0	3.0	.8000	1452.0	.0
5	.0	6.0	13.0	4.0	.8000	1455.0	.0
6	.0	7.0	14.0	5.0	.8000	1458.0	.0
7	.0	8.0	15.0	6.0	.8000	1461.0	.0
8	.0	.0	16.0	7.0	.8000	1463.0	.0
9	1.0	10.0	17.0	.0	.8000	1443.0	.0
10	2.0	11.0	18.0	9.0	.8000	1446.0	.0
11	3.0	12.0	19.0	10.0	.8000	1446.0	.0
12	4.0	13.0	20.0	11.0	.8000	1448.0	.0
13	5.0	14.0	21.0	12.0	.8000	1451.0	.0
14	6.0	15.0	22.0	13.0	.8000	1456.0	.0
15	7.0	16.0	23.0	14.0	.8000	1458.0	.0
16	8.0	.0	24.0	15.0	.8000	1459.0	.0
17	9.0	18.0	25.0	.0	.8000	1438.0	.0
18	10.0	19.0	26.0	17.0	.8000	1440.0	.0
19	11.0	20.0	27.0	18.0	.8000	1443.0	.0
20	12.0	21.0	28.0	19.0	.8000	1445.0	.0
21	13.0	22.0	29.0	20.0	.8000	1449.0	.0
22	14.0	23.0	30.0	21.0	.8000	1452.0	.0
23	15.0	24.0	31.0	22.0	.8000	1454.0	.0
24	16.0	.0	32.0	23.0	.8000	1457.0	.0
25	17.0	26.0	33.0	.0	.8000	1435.0	.0
26	18.0	27.0	34.0	25.0	.8000	1436.0	.0
27	19.0	28.0	35.0	26.0	.8000	1439.0	.0
28	20.0	29.0	36.0	27.0	.8000	1444.0	.0
29	21.0	30.0	37.0	28.0	.8000	1446.0	.0
30	22.0	31.0	38.0	29.0	.8000	1447.0	.0
31	23.0	32.0	39.0	30.0	.8000	1451.0	.0
32	24.0	.0	40.0	31.0	.8000	1453.0	.0
33	25.0	34.0	41.0	.0	.8000	1430.0	.0
34	26.0	35.0	42.0	33.0	.8000	1433.0	.0
35	27.0	36.0	43.0	34.0	.8000	1437.0	.0
36	28.0	37.0	44.0	35.0	.8000	1441.0	.0
37	29.0	38.0	45.0	36.0	.8000	1443.0	.0
38	30.0	39.0	46.0	37.0	.8000	1445.0	.0
39	31.0	40.0	47.0	38.0	.8000	1448.0	.0
40	32.0	.0	48.0	39.0	.8000	1452.0	.0
41	33.0	42.0	49.0	.0	.8000	1427.0	.0
42	34.0	43.0	50.0	41.0	.8000	1433.0	.0
43	35.0	44.0	51.0	42.0	.8000	1435.0	.0

44	36.0	45.0	52.0	43.0	.8000	1437.0	.0
45	37.0	46.0	53.0	44.0	.8000	1440.0	.0
46	38.0	47.0	54.0	45.0	.8000	1442.0	.0
47	39.0	48.0	55.0	46.0	.8000	1445.0	.0
48	40.0	.0	56.0	47.0	.8000	1448.0	.0
49	41.0	50.0	57.0	.0	.8000	1427.0	.0
50	42.0	51.0	58.0	49.0	.8000	1430.0	.0
51	43.0	52.0	59.0	50.0	.8000	1433.0	.0
52	44.0	53.0	60.0	51.0	.8000	1435.0	.0
53	45.0	54.0	61.0	52.0	.8000	1437.0	.0
54	46.0	55.0	62.0	53.0	.8000	1439.0	.0
55	47.0	56.0	63.0	54.0	.8000	1443.0	.0
56	48.0	.0	64.0	55.0	.8000	1444.0	.0
57	49.0	58.0	65.0	.0	.8000	1425.0	.0
58	50.0	59.0	66.0	57.0	.8000	1427.0	.0
59	51.0	60.0	67.0	58.0	.8000	1430.0	.0
60	52.0	61.0	68.0	59.0	.8000	1432.0	.0
61	53.0	62.0	69.0	60.0	.8000	1435.0	.0
62	54.0	63.0	70.0	61.0	.8000	1439.0	.0
63	55.0	64.0	71.0	62.0	.8000	1440.0	.0
64	56.0	.0	72.0	63.0	.8000	1441.0	.0
65	57.0	66.0	73.0	.0	.8000	1423.0	.0
66	58.0	67.0	74.0	65.0	.8000	1425.0	.0
67	59.0	68.0	75.0	66.0	.8000	1428.0	.0
68	60.0	69.0	76.0	67.0	.8000	1431.0	.0
69	61.0	70.0	77.0	68.0	.8000	1434.0	.0
70	62.0	71.0	78.0	69.0	.8000	1436.0	.0
71	63.0	72.0	79.0	70.0	.8000	1437.0	.0
72	64.0	.0	80.0	71.0	.8000	1439.0	.0
73	65.0	74.0	81.0	.0	.8000	1422.0	.0
74	66.0	75.0	82.0	73.0	.8000	1425.0	.0
75	67.0	76.0	83.0	74.0	.8000	1428.0	.0
76	68.0	77.0	84.0	75.0	.8000	1430.0	.0
77	69.0	78.0	85.0	76.0	.8000	1432.0	.0
78	70.0	79.0	86.0	77.0	.8000	1433.0	.0
79	71.0	80.0	87.0	78.0	.8000	1434.0	.0
80	72.0	.0	88.0	79.0	.8000	1435.0	.0
81	73.0	82.0	89.0	.0	.8000	1422.0	.0
82	74.0	83.0	90.0	81.0	.8000	1425.0	.0
83	75.0	84.0	91.0	82.0	.8000	1427.0	.0
84	76.0	85.0	92.0	83.0	.8000	1429.0	.0
85	77.0	86.0	93.0	84.0	.8000	1430.0	.0
86	78.0	87.0	94.0	85.0	.8000	1431.0	.0
87	79.0	88.0	95.0	86.0	.8000	1431.0	.0
88	80.0	.0	96.0	87.0	.8000	1433.0	.0
89	81.0	90.0	.0	.0	.8000	1424.0	.0
90	82.0	91.0	.0	89.0	.8000	1425.0	.0
91	83.0	92.0	.0	90.0	.8000	1426.0	.0
92	84.0	93.0	.0	91.0	.8000	1427.0	.0
93	85.0	94.0	.0	92.0	.8000	1428.0	.0
94	86.0	95.0	.0	93.0	.8000	1428.0	.0
95	87.0	96.0	.0	94.0	.8000	1428.0	.0
96	88.0	.0	.0	95.0	.8000	1430.0	.0

NUMBER OF BOUNDARY CONDITION NODAL POINTS = 4

BOUNDARY CONDITION NODE NUMBERS:

8 32 48 64

NUMBER OF HYDROGRAPH RATE ENTRIES = 20

LINEAR FUCTION IN FLOWRATE(CFS) IN GRID ELEMENT:

HOUR	FLOWRATE/EACH BC NODE									
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11.8	26.3	135.8	81.8	64.4	.0	.0	.0	.0	.0	.0
12.0	67.0	218.3	170.6	113.7	.0	.0	.0	.0	.0	.0
12.2	141.6	274.7	264.2	152.7	.0	.0	.0	.0	.0	.0
12.3	249.6	313.0	354.1	181.1	.0	.0	.0	.0	.0	.0
12.5	381.9	339.0	438.4	200.4	.0	.0	.0	.0	.0	.0
12.6	521.8	313.0	507.3	194.4	.0	.0	.0	.0	.0	.0
12.8	641.6	197.8	506.0	138.8	.0	.0	.0	.0	.0	.0
13.0	712.0	102.6	452.9	80.1	.0	.0	.0	.0	.0	.0
13.1	719.4	62.0	402.2	47.7	.0	.0	.0	.0	.0	.0
13.3	675.2	41.1	356.5	31.3	.0	.0	.0	.0	.0	.0
13.4	599.1	30.3	312.5	22.3	.0	.0	.0	.0	.0	.0
13.6	509.2	25.2	272.2	17.6	.0	.0	.0	.0	.0	.0
13.8	424.6	20.7	234.3	14.2	.0	.0	.0	.0	.0	.0
13.9	352.2	17.2	198.6	11.7	.0	.0	.0	.0	.0	.0
14.1	291.1	15.9	167.4	10.3	.0	.0	.0	.0	.0	.0
14.2	240.7	15.8	141.3	9.9	.0	.0	.0	.0	.0	.0
14.4	200.0	15.9	120.1	10.0	.0	.0	.0	.0	.0	.0
14.6	167.7	16.0	103.0	10.0	.0	.0	.0	.0	.0	.0

NUMBER OF CRITICAL-DEPTH OUTFLOW NODES = 16

CRITICAL-DEPTH OUTFLOW NODE NUMBERS:

25 33 41 49 57 65 73 81 89 90

91 92 93 94 95 96

UNIFORM EFFECTIVE RAINFALL ON DOMAIN AS LINEAR FU BETWEEN POINTS

HOUR	RAINFALL (IN/HR)
.00	.00
1.00	.03
2.00	.03
3.00	.03
4.00	.03
9.00	.03
10.00	.09
11.00	.10
12.00	1.13
13.00	1.13
14.00	.10
15.00	.09
16.00	.03
17.00	.03
18.00	.03
19.00	.03
20.00	.03
21.00	.03
24.00	.03
25.00	.00

MODEL TIME(HOURS) = 13.0002 INFLOW(CFS/LF) = .1090

1 N = .8000PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.171	1447.171	-.015	-.024	.029	.008	.005	-1.741	-2.762
2	.130	1450.130	-.008	-.021	.023	.007	.003	-.680	-1.809
3	.185	1449.185	-.008	-.023	.024	.006	.004	-.928	-2.781
4	.141	1452.141	-.035	-.043	.055	.018	.008	-3.235	-4.002
5	.105	1455.105	-.039	-.124	.130	.044	.014	-2.683	-8.562
6	.161	1458.161	-.084	-.046	.096	.029	.016	-8.964	-4.936
7	.540	1461.540	-.272	-.058	.278	.040	.150	-96.890	-20.721
8	2.417	1465.417	-.056	-.099	.114	.009	.274	-89.365	-157.496
9	.192	1443.192	-.017	-.052	.055	.014	.011	-2.176	-6.637
10	.152	1446.152	-.025	-.045	.052	.016	.008	-2.519	-4.565
11	.213	1446.213	-.029	-.036	.047	.012	.010	-4.128	-5.076
12	.319	1448.319	-.079	-.040	.088	.018	.028	-16.531	-8.379
13	.641	1451.641	-.079	-.038	.088	.013	.056	-33.620	-16.044
14	.508	1456.508	-.118	-.035	.123	.019	.062	-39.447	-11.814
15	.831	1458.831	-.101	-.065	.120	.016	.100	-55.361	-35.887
16	1.433	1460.433	-.039	-.196	.200	.017	.286	-36.788	-185.251
17	.225	1438.225	-.015	-.035	.038	.009	.009	-2.205	-5.207
18	.169	1440.169	-.036	-.060	.070	.021	.012	-4.010	-6.719
19	.138	1443.138	-.039	-.084	.093	.029	.013	-3.540	-7.672
20	.197	1445.197	-.030	-.054	.061	.017	.012	-3.865	-6.956
21	.116	1449.115	-.028	-.241	.243	.070	.028	-2.130	-18.392
22	.101	1452.101	-.014	-.104	.104	.033	.011	-.916	-6.878
23	.130	1454.130	-.024	-.380	.380	.099	.049	-2.050	-32.486
24	.102	1457.102	-.017	-.967	.967	.271	.099	-1.134	-65.236
25	.026	1435.026	-.070	-.078	.105	.081	.003	-1.202	-1.332
26	.286	1436.286	-.045	-.050	.068	.016	.019	-8.507	-9.492
27	.414	1439.414	-.067	-.049	.083	.016	.034	-18.175	-13.453
28	.360	1444.360	-.116	-.053	.128	.025	.046	-27.539	-12.630
29	.866	1446.866	-.102	-.076	.127	.017	.110	-58.402	-43.177
30	1.533	1448.533	-.119	-.049	.129	.012	.197	-120.545	-49.555
31	1.233	1452.233	-.205	-.062	.214	.021	.264	-166.817	-50.051
32	1.990	1454.990	-.067	-.070	.097	.009	.193	-88.004	-92.206
33	.025	1430.025	-.135	.000	.135	.075	.003	-2.263	.000
34	.317	1433.317	-.056	-.030	.064	.014	.020	-11.774	-6.357
35	.439	1437.439	-.081	-.057	.099	.018	.043	-23.394	-16.513
36	.511	1441.511	-.099	-.089	.133	.023	.068	-33.296	-29.870
37	.859	1443.859	-.074	-.108	.131	.017	.112	-42.106	-60.978
38	.747	1445.747	-.076	-.184	.199	.027	.149	-37.570	-90.783
39	.380	1448.380	-.109	-.274	.295	.055	.112	-27.492	-68.882
40	.510	1452.510	-.037	-.350	.352	.048	.180	-12.616	-117.840
41	.024	1427.024	-.107	.000	.107	.060	.003	-1.707	.000
42	.214	1433.214	-.050	-.019	.054	.013	.012	-7.108	-2.752
43	.434	1435.433	-.066	-.049	.082	.015	.036	-18.990	-14.020
44	.687	1437.687	-.082	-.093	.124	.019	.085	-36.995	-42.375
45	.731	1440.731	-.139	-.151	.205	.030	.150	-66.924	-72.997
46	1.407	1443.407	-.158	-.131	.205	.021	.289	-146.673	-121.736
47	1.905	1446.905	-.204	-.070	.216	.017	.411	-256.661	-87.530
48	2.323	1450.323	-.100	-.131	.165	.013	.384	-153.507	-201.342
49	.021	1427.021	.000	.000	.000	.000	.000	.000	.000
50	.100	1430.100	-.031	-.186	.189	.061	.019	-2.076	-12.321
51	.229	1433.229	-.122	-.147	.191	.050	.044	-18.466	-22.166

52	.955	1435.955	-.116	-.127	.172	.022	.165	-73.326	-80.112
53	1.572	1438.572	-.129	-.104	.166	.016	.260	-133.564	-107.869
54	1.660	1440.660	-.102	-.100	.143	.014	.237	-112.021	-109.333
55	.248	1443.248	-.333	-.427	.542	.134	.135	-54.535	-70.044
56	1.193	1445.193	-.024	-.272	.273	.024	.326	-19.144	-214.093
57	.042	1425.042	-.379	.000	.379	.163	.016	-10.461	.000
58	.853	1427.853	-.088	-.089	.125	.017	.107	-49.480	-50.096
59	1.044	1431.044	-.153	-.088	.176	.021	.184	-105.244	-60.908
60	1.708	1433.708	-.122	-.096	.155	.015	.265	-137.156	-108.541
61	1.213	1436.213	-.129	-.113	.171	.019	.207	-103.109	-90.089
62	.468	1439.468	-.173	-.155	.232	.042	.109	-53.397	-47.903
63	1.133	1441.133	-.117	-.100	.154	.018	.175	-87.733	-74.875
64	1.955	1442.955	-.052	-.116	.127	.011	.247	-66.516	-149.183
65	.089	1423.089	-.796	.000	.796	.235	.071	-46.639	.000
66	1.915	1426.915	-.111	-.065	.129	.011	.246	-140.328	-81.921
67	1.502	1429.502	-.148	-.069	.163	.016	.246	-146.753	-68.698
68	.964	1431.964	-.126	-.113	.170	.022	.164	-80.449	-72.126
69	.653	1434.653	-.114	-.087	.143	.022	.093	-49.086	-37.390
70	.842	1436.842	-.098	-.090	.134	.018	.113	-54.727	-50.195
71	1.321	1438.321	-.076	-.126	.147	.015	.194	-66.077	-109.607
72	.830	1439.830	-.060	-.203	.212	.025	.176	-33.051	-111.295
73	.042	1422.042	-.464	.000	.464	.200	.019	-12.789	.000
74	.883	1425.883	-.089	-.085	.123	.016	.109	-51.785	-49.791
75	1.026	1429.026	-.099	-.070	.122	.015	.125	-67.200	-47.511
76	.826	1430.827	-.073	-.074	.104	.014	.086	-39.682	-40.404
77	.317	1432.317	-.112	-.129	.171	.038	.054	-23.424	-26.987
78	.847	1433.847	-.058	-.112	.126	.016	.107	-32.267	-62.814
79	.928	1434.928	-.068	-.176	.188	.022	.175	-41.379	-107.647
80	.928	1435.928	-.034	-.086	.093	.011	.086	-21.058	-52.960
81	.025	1422.025	-.137	.000	.137	.076	.003	-2.286	.000
82	.320	1425.320	-.083	-.039	.092	.019	.029	-17.484	-8.245
83	.842	1427.842	-.092	-.056	.108	.014	.091	-51.120	-31.202
84	1.150	1430.150	-.090	-.049	.103	.011	.118	-68.646	-37.268
85	1.219	1431.219	-.081	-.045	.092	.010	.113	-64.950	-36.180
86	1.195	1432.195	-.076	-.068	.102	.012	.122	-59.686	-53.980
87	1.620	1432.620	-.040	-.087	.096	.009	.155	-42.734	-93.052
88	.191	1433.191	-.121	-.127	.175	.050	.034	-15.273	-16.000
89	.021	1424.021	.000	.000	.000	.000	.000	.000	.000
90	.022	1425.022	.000	-.046	.046	.027	.001	.000	-.675
91	.035	1426.035	.000	-.345	.345	.161	.012	.000	-8.063
92	.054	1427.054	.000	-.505	.505	.192	.027	.000	-18.004
93	.057	1428.057	.000	-.529	.529	.195	.030	.000	-20.078
94	.060	1428.060	.000	-.562	.562	.202	.034	.000	-22.285
95	.082	1428.082	.000	-.716	.716	.220	.059	.000	-38.800
96	.023	1430.023	.000	-.068	.068	.040	.002	.000	-1.019

NODE	DEPTH	ELEVATION	TIME
1	.199	1447.199	13.720
2	.131	1450.131	13.155
3	.225	1449.225	13.775
4	.141	1452.141	13.095
5	.121	1455.121	12.310
6	.500	1458.500	14.565
7	1.234	1462.234	13.810
8	2.701	1465.701	13.300
9	.248	1443.248	13.920
10	.163	1446.163	13.460
11	.612	1446.612	16.665

12	.648	1448.648	16.025
13	1.117	1452.117	15.575
14	1.049	1457.049	14.845
15	1.911	1459.911	14.235
16	2.408	1461.408	13.810
17	.638	1438.638	16.000
18	.185	1440.185	13.485
19	.355	1443.355	17.420
20	.718	1445.718	17.465
21	.155	1449.155	15.965
22	.356	1452.356	15.730
23	1.589	1455.589	15.290
24	.713	1457.713	14.490
25	.027	1435.026	16.065
26	.391	1436.391	14.140
27	1.072	1440.072	18.370
28	.419	1444.419	16.480
29	1.050	1447.050	16.540
30	1.876	1448.876	16.135
31	1.233	1452.233	12.990
32	2.190	1455.190	12.690
33	.057	1430.057	19.880
34	1.297	1434.297	19.860
35	.491	1437.491	13.630
36	.790	1441.790	17.780
37	1.326	1444.327	17.300
38	1.040	1446.040	16.960
39	.380	1448.380	13.000
40	.557	1452.557	12.600
41	.044	1427.044	20.090
42	.875	1433.875	19.990
43	.771	1435.771	14.965
44	1.120	1438.120	18.745
45	.930	1440.930	14.220
46	1.635	1443.635	13.750
47	2.036	1447.036	13.375
48	2.323	1450.323	12.985
49	.021	1427.021	12.995
50	.519	1430.519	21.969
51	.661	1433.661	15.990
52	1.225	1436.225	15.105
53	1.874	1438.874	14.710
54	2.060	1441.060	14.340
55	.572	1443.572	14.000
56	1.472	1445.472	13.640
57	.054	1425.054	17.225
58	1.334	1428.334	17.125
59	1.424	1431.424	15.915
60	1.997	1433.997	15.495
61	1.400	1436.400	15.220
62	.646	1439.646	14.695
63	1.193	1441.193	13.645
64	1.998	1442.998	12.800
65	.135	1423.135	17.200
66	2.728	1427.728	17.135
67	1.617	1429.617	12.355
68	1.434	1432.434	15.700
69	.818	1434.818	15.085
70	.865	1436.865	13.650
71	1.392	1438.392	13.820

500 14

72	.844	1439.844	13.215
73	.113	1422.113	17.545
74	2.223	1427.223	17.475
75	1.028	1429.028	12.925
76	1.084	1431.084	16.645
77	.880	1432.880	10.065
78	1.155	1434.155	8.565
79	1.154	1435.154	7.210
80	.980	1435.980	13.720
81	.092	1422.092	17.890
82	1.908	1426.908	17.815
83	1.205	1428.205	13.980
84	1.249	1430.249	17.260
85	1.316	1431.316	15.795
86	1.394	1432.394	15.290
87	1.739	1432.739	14.790
88	.239	1433.239	7.300
89	.021	1424.021	12.995
90	.066	1425.066	17.905
91	.044	1426.044	13.800
92	.054	1427.054	13.050
93	.057	1428.057	13.000
94	.063	1428.063	15.285
95	.083	1428.083	13.375
96	.023	1430.023	13.060

500 YR

Existing Conditions
10 YR Q 10-18-89
w/ Detention 10YRXD.DIF

(B)

TIMESTEP(HOUR) = .00500
NUMBER OF TIMESTEPS = 4800
OUTPUT INTERVAL(TIMESTEPS) = 2600
NUMBER OF NODAL POINTS = 96
UNIFORM GRID SIDE(FEET) = 660.00

NODAL POINT DATA ENTRY:

NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS FRICTION FACTOR
ELEV = NODAL POINT ELEVATION
DEPTH = WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV	DEPTH
1	.0	2.0	9.0	.0	.8000	1447.0	.0
2	.0	3.0	10.0	1.0	.8000	1450.0	.0
3	.0	4.0	11.0	2.0	.8000	1449.0	.0
4	.0	5.0	12.0	3.0	.8000	1452.0	.0
5	.0	6.0	13.0	4.0	.8000	1455.0	.0
6	.0	7.0	14.0	5.0	.8000	1458.0	.0
7	.0	8.0	15.0	6.0	.8000	1461.0	.0
8	.0	.0	16.0	7.0	.8000	1463.0	.0
9	1.0	10.0	17.0	.0	.8000	1443.0	.0
10	2.0	11.0	18.0	9.0	.8000	1446.0	.0
11	3.0	12.0	19.0	10.0	.8000	1446.0	.0
12	4.0	13.0	20.0	11.0	.8000	1448.0	.0
13	5.0	14.0	21.0	12.0	.8000	1451.0	.0
14	6.0	15.0	22.0	13.0	.8000	1456.0	.0
15	7.0	16.0	23.0	14.0	.8000	1458.0	.0
16	8.0	.0	24.0	15.0	.8000	1459.0	.0
17	9.0	18.0	25.0	.0	.8000	1438.0	.0
18	10.0	19.0	26.0	17.0	.8000	1440.0	.0
19	11.0	20.0	27.0	18.0	.8000	1443.0	.0
20	12.0	21.0	28.0	19.0	.8000	1445.0	.0
21	13.0	22.0	29.0	20.0	.8000	1449.0	.0
22	14.0	23.0	30.0	21.0	.8000	1452.0	.0
23	15.0	24.0	31.0	22.0	.8000	1454.0	.0
24	16.0	.0	32.0	23.0	.8000	1457.0	.0
25	17.0	26.0	33.0	.0	.8000	1435.0	.0
26	18.0	27.0	34.0	25.0	.8000	1436.0	.0
27	19.0	28.0	35.0	26.0	.8000	1439.0	.0
28	20.0	29.0	36.0	27.0	.8000	1444.0	.0
29	21.0	30.0	37.0	28.0	.8000	1446.0	.0
30	22.0	31.0	38.0	29.0	.8000	1447.0	.0
31	23.0	32.0	39.0	30.0	.8000	1451.0	.0
32	24.0	.0	40.0	31.0	.8000	1453.0	.0
33	25.0	34.0	41.0	.0	.8000	1430.0	.0
34	26.0	35.0	42.0	33.0	.8000	1433.0	.0
35	27.0	36.0	43.0	34.0	.8000	1437.0	.0
36	28.0	37.0	44.0	35.0	.8000	1441.0	.0
37	29.0	38.0	45.0	36.0	.8000	1443.0	.0
38	30.0	39.0	46.0	37.0	.8000	1445.0	.0
39	31.0	40.0	47.0	38.0	.8000	1448.0	.0
40	32.0	.0	48.0	39.0	.8000	1452.0	.0
41	33.0	42.0	49.0	.0	.8000	1427.0	.0
42	34.0	43.0	50.0	41.0	.8000	1433.0	.0
43	35.0	44.0	51.0	42.0	.8000	1435.0	.0

44	36.0	45.0	52.0	43.0	.8000	1437.0	.0
45	37.0	46.0	53.0	44.0	.8000	1440.0	.0
46	38.0	47.0	54.0	45.0	.8000	1442.0	.0
47	39.0	48.0	55.0	46.0	.8000	1445.0	.0
48	40.0	.0	56.0	47.0	.8000	1448.0	.0
49	41.0	50.0	57.0	.0	.8000	1427.0	.0
50	42.0	51.0	58.0	49.0	.8000	1430.0	.0
51	43.0	52.0	59.0	50.0	.8000	1433.0	.0
52	44.0	53.0	60.0	51.0	.8000	1435.0	.0
53	45.0	54.0	61.0	52.0	.8000	1437.0	.0
54	46.0	55.0	62.0	53.0	.8000	1439.0	.0
55	47.0	56.0	63.0	54.0	.8000	1443.0	.0
56	48.0	.0	64.0	55.0	.8000	1444.0	.0
57	49.0	58.0	65.0	.0	.8000	1425.0	.0
58	50.0	59.0	66.0	57.0	.8000	1427.0	.0
59	51.0	60.0	67.0	58.0	.8000	1430.0	.0
60	52.0	61.0	68.0	59.0	.8000	1432.0	.0
61	53.0	62.0	69.0	60.0	.8000	1435.0	.0
62	54.0	63.0	70.0	61.0	.8000	1439.0	.0
63	55.0	64.0	71.0	62.0	.8000	1440.0	.0
64	56.0	.0	72.0	63.0	.8000	1441.0	.0
65	57.0	66.0	73.0	.0	.8000	1423.0	.0
66	58.0	67.0	74.0	65.0	.8000	1425.0	.0
67	59.0	68.0	75.0	66.0	.8000	1428.0	.0
68	60.0	69.0	76.0	67.0	.8000	1431.0	.0
69	61.0	70.0	77.0	68.0	.8000	1434.0	.0
70	62.0	71.0	78.0	69.0	.8000	1436.0	.0
71	63.0	72.0	79.0	70.0	.8000	1437.0	.0
72	64.0	.0	80.0	71.0	.8000	1439.0	.0
73	65.0	74.0	81.0	.0	.8000	1422.0	.0
74	66.0	75.0	82.0	73.0	.8000	1425.0	.0
75	67.0	76.0	83.0	74.0	.8000	1428.0	.0
76	68.0	77.0	84.0	75.0	.8000	1430.0	.0
77	69.0	78.0	85.0	76.0	.8000	1432.0	.0
78	70.0	79.0	86.0	77.0	.8000	1433.0	.0
79	71.0	80.0	87.0	78.0	.8000	1434.0	.0
80	72.0	.0	88.0	79.0	.8000	1435.0	.0
81	73.0	82.0	89.0	.0	.8000	1422.0	.0
82	74.0	83.0	90.0	81.0	.8000	1425.0	.0
83	75.0	84.0	91.0	82.0	.8000	1427.0	.0
84	76.0	85.0	92.0	83.0	.8000	1429.0	.0
85	77.0	86.0	93.0	84.0	.8000	1430.0	.0
86	78.0	87.0	94.0	85.0	.8000	1431.0	.0
87	79.0	88.0	95.0	86.0	.8000	1431.0	.0
88	80.0	.0	96.0	87.0	.8000	1433.0	.0
89	81.0	90.0	.0	.0	.8000	1424.0	.0
90	82.0	91.0	.0	89.0	.8000	1425.0	.0
91	83.0	92.0	.0	90.0	.8000	1426.0	.0
92	84.0	93.0	.0	91.0	.8000	1427.0	.0
93	85.0	94.0	.0	92.0	.8000	1428.0	.0
94	86.0	95.0	.0	93.0	.8000	1428.0	.0
95	87.0	96.0	.0	94.0	.8000	1428.0	.0
96	88.0	.0	.0	95.0	.8000	1430.0	.0

NUMBER OF BOUNDARY CONDITION NODAL POINTS = 4

BOUNDARY CONDITION NODE NUMBERS:

8 32 48 64

NUMBER OF HYDROGRAPH RATE ENTRIES = 14

LINEAR FUCTION IN FLOWRATE(CFS) IN GRID ELEMENT:

HOUR	FLOWRATE/EACH BC NODE									
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12.3	.0	.0	30.0	35.6	.0	.0	.0	.0	.0	.0
12.5	.0	.0	89.3	47.5	.0	.0	.0	.0	.0	.0
12.6	.0	.0	125.3	49.4	.0	.0	.0	.0	.0	.0
12.8	.0	.0	113.9	30.8	.0	.0	.0	.0	.0	.0
13.0	.0	.0	79.3	9.7	.0	.0	.0	.0	.0	.0
13.1	.0	.0	52.5	.0	.0	.0	.0	.0	.0	.0
13.3	.0	.0	32.8	.0	.0	.0	.0	.0	.0	.0
13.4	.0	.0	19.2	.0	.0	.0	.0	.0	.0	.0
13.6	.0	.0	8.5	.0	.0	.0	.0	.0	.0	.0
13.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

NUMBER OF CRITICAL-DEPTH OUTFLOW NODES = 16

CRITICAL-DEPTH OUTFLOW NODE NUMBERS:

25 33 41 49 57 65 73 81 89 90

91 92 93 94 95 96

UNIFORM EFFECTIVE RAINFALL ON DOMAIN AS LINEAR FU BETWEEN POINTS

HOUR	RAINFALL (IN/HR)
.00	.00
1.00	.00
2.00	.00
3.00	.00
4.00	.00
9.00	.00
10.00	.03
11.00	.03
12.00	.37
13.00	.37
14.00	.03
15.00	.03
16.00	.00
17.00	.00
18.00	.00
19.00	.00
20.00	.00
21.00	.00
24.00	.00
25.00	.00

MODEL TIME(HOURS) = 13.0002 INFLOW(CFS/LF) = .0110

1 N = .8000PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.059	1447.059	.000	.000	.000	.000	.000	.000	.000
2	.059	1450.059	.000	.000	.000	.000	.000	.000	.000
3	.059	1449.059	.000	.000	.000	.000	.000	.000	.000
4	.059	1452.059	.000	.000	.000	.000	.000	.000	.000
5	.059	1455.059	.000	.000	.000	.000	.000	.000	.000
6	.059	1458.059	.000	.000	.000	.000	.000	.000	.000
7	.059	1461.059	.000	.000	.000	.000	.000	.000	.000
8	.059	1463.059	.000	.000	.000	.000	.000	.000	.000
9	.059	1443.059	.000	.000	.000	.000	.000	.000	.000
10	.059	1446.059	.000	.000	.000	.000	.000	.000	.000
11	.059	1446.059	.000	.000	.000	.000	.000	.000	.000
12	.059	1448.059	.000	.000	.000	.000	.000	.000	.000
13	.059	1451.059	.000	.000	.000	.000	.000	.000	.000
14	.059	1456.059	.000	.000	.000	.000	.000	.000	.000
15	.059	1458.059	.000	.000	.000	.000	.000	.000	.000
16	.059	1459.059	.000	.000	.000	.000	.000	.000	.000
17	.059	1438.059	.000	.000	.000	.000	.000	.000	.000
18	.059	1440.059	.000	.000	.000	.000	.000	.000	.000
19	.059	1443.059	.000	.000	.000	.000	.000	.000	.000
20	.059	1445.059	.000	.000	.000	.000	.000	.000	.000
21	.059	1449.059	.000	.000	.000	.000	.000	.000	.000
22	.059	1452.059	.000	.000	.000	.000	.000	.000	.000
23	.059	1454.059	.000	.000	.000	.000	.000	.000	.000
24	.059	1457.059	.000	.000	.000	.000	.000	.000	.000
25	.010	1435.010	.000	.000	.000	.000	.000	.000	.000
26	.059	1436.059	.000	.000	.000	.000	.000	.000	.000
27	.059	1439.059	.000	.000	.000	.000	.000	.000	.000
28	.059	1444.059	.000	.000	.000	.000	.000	.000	.000
29	.059	1446.059	.000	.000	.000	.000	.000	.000	.000
30	.059	1447.059	.000	.000	.000	.000	.000	.000	.000
31	.059	1451.059	.000	.000	.000	.000	.000	.000	.000
32	.059	1453.059	.000	.000	.000	.000	.000	.000	.000
33	.010	1430.010	.000	.000	.000	.000	.000	.000	.000
34	.059	1433.059	.000	.000	.000	.000	.000	.000	.000
35	.059	1437.059	.000	.000	.000	.000	.000	.000	.000
36	.059	1441.059	.000	.000	.000	.000	.000	.000	.000
37	.059	1443.059	.000	.000	.000	.000	.000	.000	.000
38	.059	1445.059	.000	.000	.000	.000	.000	.000	.000
39	.059	1448.059	.000	.000	.000	.000	.000	.000	.000
40	.059	1452.059	.000	.000	.000	.000	.000	.000	.000
41	.010	1427.010	.000	.000	.000	.000	.000	.000	.000
42	.059	1433.059	.000	.000	.000	.000	.000	.000	.000
43	.059	1435.059	.000	.000	.000	.000	.000	.000	.000
44	.059	1437.059	.000	.000	.000	.000	.000	.000	.000
45	.059	1440.059	.000	.000	.000	.000	.000	.000	.000
46	.059	1442.059	.000	.000	.000	.000	.000	.000	.000
47	.088	1445.088	-.112	.000	.112	.033	.010	-6.533	.000
48	.548	1448.548	-.018	-.021	.027	.005	.015	-6.533	-7.498
49	.010	1427.010	.000	.000	.000	.000	.000	.000	.000
50	.059	1430.059	.000	.000	.000	.000	.000	.000	.000
51	.059	1433.059	.000	.000	.000	.000	.000	.000	.000
52	.059	1435.059	.000	.000	.000	.000	.000	.000	.000
53	.059	1437.059	.000	.000	.000	.000	.000	.000	.000
54	.059	1439.059	.000	.000	.000	.000	.000	.000	.000
55	.059	1443.059	.000	.000	.000	.000	.000	.000	.000
56	.093	1444.093	.000	-.122	.122	.035	.011	.000	-7.498
57	.010	1425.010	.000	.000	.000	.000	.000	.000	.000

58	.059	1427.059	.000	.000	.000	.000	.000	.000	.000
59	.059	1430.059	.000	.000	.000	.000	.000	.000	.000
60	.059	1432.059	.000	.000	.000	.000	.000	.000	.000
61	.059	1435.059	.000	.000	.000	.000	.000	.000	.000
62	.059	1439.059	.000	.000	.000	.000	.000	.000	.000
63	.066	1440.066	-.030	.000	.030	.010	.002	-1.313	.000
64	.267	1441.267	-.007	-.010	.013	.003	.003	-1.313	-1.800
65	.010	1423.010	.000	.000	.000	.000	.000	.000	.000
66	.059	1425.059	.000	.000	.000	.000	.000	.000	.000
67	.059	1428.059	.000	.000	.000	.000	.000	.000	.000
68	.059	1431.059	.000	.000	.000	.000	.000	.000	.000
69	.059	1434.059	.000	.000	.000	.000	.000	.000	.000
70	.059	1436.059	.000	.000	.000	.000	.000	.000	.000
71	.059	1437.059	.000	.000	.000	.000	.000	.000	.000
72	.069	1439.069	.000	-.040	.040	.013	.003	.000	-1.800
73	.010	1422.010	.000	.000	.000	.000	.000	.000	.000
74	.059	1425.059	.000	.000	.000	.000	.000	.000	.000
75	.059	1428.059	.000	.000	.000	.000	.000	.000	.000
76	.059	1430.059	.000	.000	.000	.000	.000	.000	.000
77	.059	1432.059	.000	.000	.000	.000	.000	.000	.000
78	.059	1433.059	.000	.000	.000	.000	.000	.000	.000
79	.059	1434.059	.000	.000	.000	.000	.000	.000	.000
80	.059	1435.059	.000	.000	.000	.000	.000	.000	.000
81	.010	1422.010	.000	.000	.000	.000	.000	.000	.000
82	.059	1425.059	.000	.000	.000	.000	.000	.000	.000
83	.059	1427.059	.000	.000	.000	.000	.000	.000	.000
84	.059	1429.059	.000	.000	.000	.000	.000	.000	.000
85	.059	1430.059	.000	.000	.000	.000	.000	.000	.000
86	.059	1431.059	.000	.000	.000	.000	.000	.000	.000
87	.059	1431.059	.000	.000	.000	.000	.000	.000	.000
88	.059	1433.059	.000	.000	.000	.000	.000	.000	.000
89	.010	1424.010	.000	.000	.000	.000	.000	.000	.000
90	.010	1425.010	.000	.000	.000	.000	.000	.000	.000
91	.010	1426.010	.000	.000	.000	.000	.000	.000	.000
92	.010	1427.010	.000	.000	.000	.000	.000	.000	.000
93	.010	1428.010	.000	.000	.000	.000	.000	.000	.000
94	.010	1428.010	.000	.000	.000	.000	.000	.000	.000
95	.010	1428.010	.000	.000	.000	.000	.000	.000	.000
96	.010	1430.010	.000	.000	.000	.000	.000	.000	.000

NODE	DEPTH	ELEVATION	TIME
1	.086	1447.086	23.999
2	.086	1450.086	23.999
3	.086	1449.086	23.999
4	.086	1452.086	23.999
5	.086	1455.086	23.999
6	.086	1458.086	23.999
7	.086	1461.086	23.999
8	.086	1463.086	23.999
9	.086	1443.086	23.999
10	.086	1446.086	23.999
11	.086	1446.086	23.999
12	.086	1448.086	23.999
13	.086	1451.086	23.999
14	.086	1456.086	23.999
15	.086	1458.086	23.999
16	.086	1459.086	23.999
17	.086	1438.086	23.999

10 YR

18	.086	1440.086	23.999
19	.086	1443.086	23.999
20	.086	1445.086	23.999
21	.086	1449.086	23.999
22	.086	1452.086	23.999
23	.086	1454.086	23.999
24	.086	1457.086	23.999
25	.010	1435.010	13.000
26	.086	1436.086	23.999
27	.086	1439.086	23.999
28	.086	1444.086	23.999
29	.086	1446.086	23.999
30	.086	1447.086	23.999
31	.086	1451.086	23.999
32	.086	1453.086	23.999
33	.010	1430.010	13.000
34	.086	1433.086	23.999
35	.086	1437.086	23.999
36	.086	1441.086	23.999
37	.086	1443.086	23.999
38	.086	1445.086	23.999
39	.086	1448.086	23.999
40	.086	1452.086	23.999
41	.010	1427.010	13.000
42	.086	1433.086	23.999
43	.086	1435.086	23.999
44	.086	1437.086	23.999
45	.107	1440.107	17.090
46	.132	1442.132	16.105
47	.235	1445.235	14.995
48	.598	1448.598	13.280
49	.010	1427.010	13.000
50	.086	1430.086	23.999
51	.086	1433.086	23.999
52	.113	1435.113	20.015
53	.142	1437.142	18.700
54	.197	1439.197	18.530
55	.133	1443.133	15.870
56	.218	1444.218	14.810
57	.010	1425.010	13.000
58	.089	1427.089	23.999
59	.115	1430.115	23.804
60	.149	1432.149	22.869
61	.120	1435.120	19.690
62	.113	1439.113	17.885
63	.183	1440.183	17.915
64	.277	1441.277	13.905
65	.010	1423.010	13.000
66	.114	1425.114	23.999
67	.137	1428.137	23.994
68	.120	1431.120	21.709
69	.118	1434.118	19.625
70	.124	1436.124	18.750
71	.179	1437.179	19.070
72	.135	1439.135	15.515
73	.010	1422.010	13.000
74	.086	1425.086	23.999
75	.113	1428.113	23.999
76	.120	1430.120	22.979
77	.120	1432.120	21.219

10 YR

78	.140	1433.140	20.919
79	.145	1434.145	19.635
80	.122	1435.122	16.975
81	.010	1422.010	13.000
82	.086	1425.086	23.999
83	.101	1427.101	23.999
84	.126	1429.126	23.999
85	.155	1430.155	23.999
86	.162	1431.162	23.999
87	.224	1431.224	22.814
88	.106	1433.105	18.645
89	.010	1424.010	13.000
90	.010	1425.010	13.000
91	.010	1426.010	13.000
92	.010	1427.010	13.000
93	.010	1428.010	13.000
94	.010	1428.010	13.000
95	.010	1428.010	13.000
96	.010	1430.010	13.000

10 YR

Existing Conditions
50 YR Q 10-18-89
W/ Detention 50YRXD.DIF

TIMESTEP(HOUR) = .00500
NUMBER OF TIMESTEPS = 4800
OUTPUT INTERVAL(TIMESTEPS) = 2600
NUMBER OF NODAL POINTS = 96
UNIFORM GRID SIDE(FEET) = 660.00

NODAL POINT DATA ENTRY:

NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS FRICTION FACTOR
ELEV = NODAL POINT ELEVATION
DEPTH = WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV	DEPTH
1	.0	2.0	9.0	.0	.8000	1447.0	.0
2	.0	3.0	10.0	1.0	.8000	1450.0	.0
3	.0	4.0	11.0	2.0	.8000	1449.0	.0
4	.0	5.0	12.0	3.0	.8000	1452.0	.0
5	.0	6.0	13.0	4.0	.8000	1455.0	.0
6	.0	7.0	14.0	5.0	.8000	1458.0	.0
7	.0	8.0	15.0	6.0	.8000	1461.0	.0
8	.0	.0	16.0	7.0	.8000	1463.0	.0
9	1.0	10.0	17.0	.0	.8000	1443.0	.0
10	2.0	11.0	18.0	9.0	.8000	1446.0	.0
11	3.0	12.0	19.0	10.0	.8000	1446.0	.0
12	4.0	13.0	20.0	11.0	.8000	1448.0	.0
13	5.0	14.0	21.0	12.0	.8000	1451.0	.0
14	6.0	15.0	22.0	13.0	.8000	1456.0	.0
15	7.0	16.0	23.0	14.0	.8000	1458.0	.0
16	8.0	.0	24.0	15.0	.8000	1459.0	.0
17	9.0	18.0	25.0	.0	.8000	1438.0	.0
18	10.0	19.0	26.0	17.0	.8000	1440.0	.0
19	11.0	20.0	27.0	18.0	.8000	1443.0	.0
20	12.0	21.0	28.0	19.0	.8000	1445.0	.0
21	13.0	22.0	29.0	20.0	.8000	1449.0	.0
22	14.0	23.0	30.0	21.0	.8000	1452.0	.0
23	15.0	24.0	31.0	22.0	.8000	1454.0	.0
24	16.0	.0	32.0	23.0	.8000	1457.0	.0
25	17.0	26.0	33.0	.0	.8000	1435.0	.0
26	18.0	27.0	34.0	25.0	.8000	1436.0	.0
27	19.0	28.0	35.0	26.0	.8000	1439.0	.0
28	20.0	29.0	36.0	27.0	.8000	1444.0	.0
29	21.0	30.0	37.0	28.0	.8000	1446.0	.0
30	22.0	31.0	38.0	29.0	.8000	1447.0	.0
31	23.0	32.0	39.0	30.0	.8000	1451.0	.0
32	24.0	.0	40.0	31.0	.8000	1453.0	.0
33	25.0	34.0	41.0	.0	.8000	1430.0	.0
34	26.0	35.0	42.0	33.0	.8000	1433.0	.0
35	27.0	36.0	43.0	34.0	.8000	1437.0	.0
36	28.0	37.0	44.0	35.0	.8000	1441.0	.0
37	29.0	38.0	45.0	36.0	.8000	1443.0	.0
38	30.0	39.0	46.0	37.0	.8000	1445.0	.0
39	31.0	40.0	47.0	38.0	.8000	1448.0	.0
40	32.0	.0	48.0	39.0	.8000	1452.0	.0
41	33.0	42.0	49.0	.0	.8000	1427.0	.0
42	34.0	43.0	50.0	41.0	.8000	1433.0	.0
43	35.0	44.0	51.0	42.0	.8000	1435.0	.0

44	36.0	45.0	52.0	43.0	.8000	1437.0	.0
45	37.0	46.0	53.0	44.0	.8000	1440.0	.0
46	38.0	47.0	54.0	45.0	.8000	1442.0	.0
47	39.0	48.0	55.0	46.0	.8000	1445.0	.0
48	40.0	.0	56.0	47.0	.8000	1448.0	.0
49	41.0	50.0	57.0	.0	.8000	1427.0	.0
50	42.0	51.0	58.0	49.0	.8000	1430.0	.0
51	43.0	52.0	59.0	50.0	.8000	1433.0	.0
52	44.0	53.0	60.0	51.0	.8000	1435.0	.0
53	45.0	54.0	61.0	52.0	.8000	1437.0	.0
54	46.0	55.0	62.0	53.0	.8000	1439.0	.0
55	47.0	56.0	63.0	54.0	.8000	1443.0	.0
56	48.0	.0	64.0	55.0	.8000	1444.0	.0
57	49.0	58.0	65.0	.0	.8000	1425.0	.0
58	50.0	59.0	66.0	57.0	.8000	1427.0	.0
59	51.0	60.0	67.0	58.0	.8000	1430.0	.0
60	52.0	61.0	68.0	59.0	.8000	1432.0	.0
61	53.0	62.0	69.0	60.0	.8000	1435.0	.0
62	54.0	63.0	70.0	61.0	.8000	1439.0	.0
63	55.0	64.0	71.0	62.0	.8000	1440.0	.0
64	56.0	.0	72.0	63.0	.8000	1441.0	.0
65	57.0	66.0	73.0	.0	.8000	1423.0	.0
66	58.0	67.0	74.0	65.0	.8000	1425.0	.0
67	59.0	68.0	75.0	66.0	.8000	1428.0	.0
68	60.0	69.0	76.0	67.0	.8000	1431.0	.0
69	61.0	70.0	77.0	68.0	.8000	1434.0	.0
70	62.0	71.0	78.0	69.0	.8000	1436.0	.0
71	63.0	72.0	79.0	70.0	.8000	1437.0	.0
72	64.0	.0	80.0	71.0	.8000	1439.0	.0
73	65.0	74.0	81.0	.0	.8000	1422.0	.0
74	66.0	75.0	82.0	73.0	.8000	1425.0	.0
75	67.0	76.0	83.0	74.0	.8000	1428.0	.0
76	68.0	77.0	84.0	75.0	.8000	1430.0	.0
77	69.0	78.0	85.0	76.0	.8000	1432.0	.0
78	70.0	79.0	86.0	77.0	.8000	1433.0	.0
79	71.0	80.0	87.0	78.0	.8000	1434.0	.0
80	72.0	.0	88.0	79.0	.8000	1435.0	.0
81	73.0	82.0	89.0	.0	.8000	1422.0	.0
82	74.0	83.0	90.0	81.0	.8000	1425.0	.0
83	75.0	84.0	91.0	82.0	.8000	1427.0	.0
84	76.0	85.0	92.0	83.0	.8000	1429.0	.0
85	77.0	86.0	93.0	84.0	.8000	1430.0	.0
86	78.0	87.0	94.0	85.0	.8000	1431.0	.0
87	79.0	88.0	95.0	86.0	.8000	1431.0	.0
88	80.0	.0	96.0	87.0	.8000	1433.0	.0
89	81.0	90.0	.0	.0	.8000	1424.0	.0
90	82.0	91.0	.0	89.0	.8000	1425.0	.0
91	83.0	92.0	.0	90.0	.8000	1426.0	.0
92	84.0	93.0	.0	91.0	.8000	1427.0	.0
93	85.0	94.0	.0	92.0	.8000	1428.0	.0
94	86.0	95.0	.0	93.0	.8000	1428.0	.0
95	87.0	96.0	.0	94.0	.8000	1428.0	.0
96	88.0	.0	.0	95.0	.8000	1430.0	.0

NUMBER OF BOUNDARY CONDITION NODAL POINTS = 4

BOUNDARY CONDITION NODE NUMBERS:

8 32 48 64

NUMBER OF HYDROGRAPH RATE ENTRIES = 20

LINEAR FUCTION IN FLOWRATE(CFS) IN GRID ELEMENT:

HOUR	FLOWRATE/EACH BC NODE									
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12.0	.0	.0	19.1	37.8	.0	.0	.0	.0	.0	.0
12.2	.0	17.9	101.2	63.7	.0	.0	.0	.0	.0	.0
12.3	.0	61.8	156.8	84.6	.0	.0	.0	.0	.0	.0
12.5	.0	103.4	209.8	100.2	.0	.0	.0	.0	.0	.0
12.6	.0	111.6	255.8	99.5	.0	.0	.0	.0	.0	.0
12.8	.0	55.8	276.7	66.3	.0	.0	.0	.0	.0	.0
13.0	.0	6.0	250.0	30.0	.0	.0	.0	.0	.0	.0
13.1	.0	.0	198.2	9.9	.0	.0	.0	.0	.0	.0
13.3	.0	.0	157.2	.0	.0	.0	.0	.0	.0	.0
13.4	.0	.0	127.1	.0	.0	.0	.0	.0	.0	.0
13.6	.0	.0	104.7	.0	.0	.0	.0	.0	.0	.0
13.8	.0	.0	85.7	.0	.0	.0	.0	.0	.0	.0
13.9	.0	.0	68.5	.0	.0	.0	.0	.0	.0	.0
14.1	.0	.0	54.1	.0	.0	.0	.0	.0	.0	.0
14.2	.0	.0	42.2	.0	.0	.0	.0	.0	.0	.0
14.4	.0	.0	32.1	.0	.0	.0	.0	.0	.0	.0
14.6	.0	.0	23.5	.0	.0	.0	.0	.0	.0	.0
14.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

NUMBER OF CRITICAL-DEPTH OUTFLOW NODES = 16

CRITICAL-DEPTH OUTFLOW NODE NUMBERS:

25 33 41 49 57 65 73 81 89 90

91 92 93 94 95 96

UNIFORM EFFECTIVE RAINFALL ON DOMAIN AS LINEAR FU BETWEEN POINTS

HOUR	RAINFALL (IN/HR)
.00	.00
1.00	.01
2.00	.02
3.00	.01
4.00	.02
9.00	.02
10.00	.05
11.00	.06
12.00	.67
13.00	.67
14.00	.06
15.00	.05
16.00	.01
17.00	.02
18.00	.02
19.00	.02
20.00	.01
21.00	.02
24.00	.02
25.00	.00

MODEL TIME(HOURS) = 13.0002 INFLOW(CFS/LF) = .0379

1 N = .8000PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.105	1447.105	-.013	-.016	.021	.008	.002	-.940	-1.131
2	.102	1450.102	-.006	-.016	.017	.006	.002	-.393	-1.071
3	.107	1449.107	-.006	-.014	.015	.005	.002	-.419	-.988
4	.104	1452.104	-.028	-.016	.032	.012	.003	-1.911	-1.111
5	.104	1455.104	-.028	-.016	.032	.012	.003	-1.897	-1.115
6	.104	1458.104	-.028	-.011	.030	.011	.003	-1.900	-.779
7	.104	1461.104	-.025	-.014	.029	.011	.003	-1.715	-.954
8	.103	1463.103	-.011	-.016	.020	.008	.002	-.765	-1.095
9	.107	1443.107	-.014	-.034	.037	.013	.004	-.967	-2.429
10	.104	1446.104	-.014	-.036	.038	.014	.004	-.967	-2.432
11	.107	1446.107	-.011	-.028	.030	.011	.003	-.804	-1.965
12	.106	1448.106	-.025	-.030	.039	.015	.004	-1.787	-2.096
13	.107	1451.107	-.032	-.027	.042	.016	.004	-2.235	-1.911
14	.104	1456.104	-.030	-.027	.040	.015	.004	-2.035	-1.872
15	.105	1458.105	-.019	-.029	.035	.013	.004	-1.341	-2.035
16	.105	1459.105	-.008	-.027	.028	.009	.003	-.558	-1.854
17	.109	1438.109	-.011	-.018	.021	.008	.002	-.817	-1.298
18	.106	1440.106	-.025	-.036	.044	.017	.005	-1.789	-2.503
19	.105	1443.105	-.025	-.030	.040	.015	.004	-1.771	-2.105
20	.107	1445.107	-.027	-.022	.035	.013	.004	-1.925	-1.548
21	.105	1449.105	-.030	-.026	.040	.015	.004	-2.078	-1.813
22	.103	1452.103	-.025	-.051	.056	.021	.006	-1.704	-3.461
23	.101	1454.101	-.025	-.068	.073	.026	.007	-1.652	-4.573
24	.100	1457.099	-.014	-.165	.166	.050	.017	-.899	-10.853
25	.015	1435.015	.000	.000	.000	.000	.000	.000	.000
26	.108	1436.108	-.014	-.030	.033	.012	.004	-.993	-2.152
27	.107	1439.107	-.032	-.027	.042	.016	.004	-2.251	-1.926
28	.105	1444.105	-.030	-.022	.037	.014	.004	-2.090	-1.516
29	.112	1446.112	-.027	-.027	.038	.014	.004	-2.005	-2.025
30	.208	1447.208	-.053	-.028	.060	.016	.012	-7.232	-3.895
31	.367	1451.367	-.081	-.030	.086	.016	.032	-19.492	-7.290
32	.729	1453.729	-.028	-.036	.045	.007	.033	-13.433	-17.104
33	.015	1430.015	.000	.000	.000	.000	.000	.000	.000
34	.109	1433.109	-.016	-.014	.021	.008	.002	-1.149	-1.010
35	.106	1437.106	-.032	-.024	.040	.015	.004	-2.253	-1.656
36	.104	1441.104	-.027	-.043	.051	.019	.005	-1.872	-2.940
37	.103	1443.104	-.022	-.052	.057	.020	.006	-1.515	-3.562
38	.100	1445.100	-.011	-.106	.107	.033	.011	-.747	-6.992
39	.100	1448.100	.000	-.057	.057	.016	.006	.000	-3.798
40	.100	1452.100	.000	-.106	.106	.029	.011	.000	-7.010
41	.015	1427.015	.000	.000	.000	.000	.000	.000	.000
42	.106	1433.106	-.012	-.014	.019	.007	.002	-.866	-.997
43	.116	1435.116	-.032	-.023	.039	.014	.005	-2.417	-1.770
44	.196	1437.196	-.042	-.033	.053	.015	.010	-5.377	-4.315
45	.280	1440.280	-.063	-.069	.093	.022	.026	-11.612	-12.782
46	.523	1442.523	-.115	-.077	.138	.023	.072	-39.537	-26.469
47	1.100	1446.100	-.137	-.024	.139	.014	.153	-99.366	-17.716
48	1.492	1449.492	-.069	-.051	.086	.009	.128	-67.615	-50.277
49	.015	1427.015	.000	.000	.000	.000	.000	.000	.000
50	.108	1430.108	-.015	-.028	.032	.011	.003	-1.057	-2.008
51	.114	1433.114	-.036	-.026	.044	.016	.005	-2.689	-1.980

52	.208	1435.208	-.073	-.034	.081	.021	.017	-10.076	-4.706
53	.618	1437.618	-.073	-.052	.090	.014	.055	-29.981	-21.033
54	.860	1439.860	-.060	-.050	.078	.010	.067	-34.308	-28.385
55	.106	1443.106	-.226	-.372	.435	.161	.046	-15.846	-26.129
56	.434	1444.434	-.011	-.265	.265	.037	.115	-3.075	-75.812
57	.015	1425.015	.000	.000	.000	.000	.000	.000	.000
58	.108	1427.108	-.014	-.026	.030	.011	.003	-1.021	-1.842
59	.110	1430.110	-.030	-.027	.040	.015	.004	-2.167	-1.943
60	.152	1432.152	-.055	-.034	.065	.020	.010	-5.508	-3.460
61	.358	1435.358	-.055	-.061	.082	.017	.029	-12.928	-14.523
62	.357	1439.357	-.078	-.064	.101	.021	.036	-18.454	-15.153
63	.718	1440.718	-.079	-.076	.110	.016	.079	-37.223	-36.210
64	1.206	1442.206	-.034	-.071	.079	.008	.095	-27.335	-56.354
65	.015	1423.015	.000	.000	.000	.000	.000	.000	.000
66	.110	1425.110	-.015	-.011	.019	.007	.002	-1.072	-.832
67	.115	1428.115	-.034	-.012	.036	.012	.004	-2.607	-.875
68	.162	1431.162	-.047	-.022	.052	.015	.008	-5.001	-2.340
69	.285	1434.285	-.048	-.055	.072	.017	.021	-8.958	-10.271
70	.379	1436.379	-.076	-.087	.116	.023	.044	-19.138	-21.726
71	.887	1437.887	-.053	-.087	.102	.013	.090	-30.784	-51.017
72	.527	1439.527	-.049	-.135	.144	.022	.076	-17.139	-46.971
73	.015	1422.015	.000	.000	.000	.000	.000	.000	.000
74	.108	1425.108	-.014	.000	.014	.004	.002	-1.028	.000
75	.111	1428.111	-.033	-.008	.034	.011	.004	-2.428	-.597
76	.184	1430.184	-.060	-.019	.063	.016	.012	-7.260	-2.358
77	.488	1432.488	-.052	-.046	.070	.012	.034	-16.880	-14.845
78	.700	1433.699	-.043	-.076	.087	.013	.061	-19.690	-35.158
79	.476	1434.476	-.052	-.154	.162	.026	.077	-16.229	-48.261
80	.517	1435.516	-.022	-.063	.066	.010	.034	-7.559	-21.366
81	.015	1422.015	.000	.000	.000	.000	.000	.000	.000
82	.107	1425.107	-.012	.000	.012	.003	.001	-.822	.000
83	.109	1427.109	-.025	-.008	.026	.009	.003	-1.783	-.597
84	.128	1429.128	-.041	-.013	.043	.013	.005	-3.460	-1.098
85	.360	1430.360	-.063	-.044	.077	.016	.028	-15.056	-10.559
86	.850	1431.850	-.044	-.059	.074	.010	.063	-24.508	-33.252
87	1.116	1432.116	-.030	-.061	.068	.008	.076	-22.282	-44.668
88	.100	1433.100	-.156	-.079	.175	.065	.018	-10.331	-5.214
89	.015	1424.015	.000	.000	.000	.000	.000	.000	.000
90	.015	1425.015	.000	.000	.000	.000	.000	.000	.000
91	.015	1426.015	.000	.000	.000	.000	.000	.000	.000
92	.015	1427.015	.000	.000	.000	.000	.000	.000	.000
93	.020	1428.020	.000	-.174	.174	.109	.003	.000	-2.268
94	.040	1428.040	.000	-.459	.459	.203	.018	.000	-12.049
95	.053	1428.053	.000	-.562	.562	.215	.030	.000	-19.627
96	.015	1430.015	.000	.000	.000	.000	.000	.000	.000

NODE	DEPTH	ELEVATION	TIME
1	.126	1447.126	13.690
2	.103	1450.103	13.200
3	.141	1449.141	13.990
4	.114	1452.114	13.575
5	.115	1455.115	13.620
6	.121	1458.121	13.770
7	.115	1461.115	13.605
8	.108	1463.108	13.400
9	.148	1443.148	14.035
10	.113	1446.113	13.520
11	.201	1446.201	16.145

50 YR.

12	.142	1448.141	14.400
13	.158	1451.158	15.020
14	.120	1456.120	13.780
15	.130	1458.130	13.985
16	.131	1459.130	13.940
17	.297	1438.297	15.770
18	.137	1440.137	13.945
19	.146	1443.146	16.840
20	.176	1445.176	15.365
21	.125	1449.125	13.765
22	.109	1452.109	13.325
23	.102	1454.102	13.110
24	.100	1457.100	13.025
25	.015	1435.015	13.000
26	.187	1436.187	15.205
27	.218	1439.218	19.855
28	.121	1444.121	13.815
29	.235	1446.235	17.700
30	.458	1447.458	15.875
31	.432	1451.432	13.735
32	.743	1453.743	12.865
33	.016	1430.016	19.905
34	.441	1433.441	19.705
35	.129	1437.129	13.835
36	.112	1441.112	13.500
37	.211	1443.211	21.339
38	.112	1445.112	19.245
39	.101	1448.101	13.140
40	.101	1452.101	12.840
41	.015	1427.015	13.000
42	.185	1433.185	20.939
43	.168	1435.168	14.995
44	.241	1437.241	13.965
45	.297	1440.297	12.235
46	.708	1442.708	14.350
47	1.266	1446.266	13.610
48	1.500	1449.500	13.070
49	.015	1427.015	13.000
50	.217	1430.217	16.595
51	.229	1433.229	15.925
52	.510	1435.510	15.430
53	.907	1437.907	15.620
54	1.124	1440.124	15.380
55	.212	1443.212	14.330
56	.681	1444.681	13.980
57	.016	1425.016	18.475
58	.473	1427.473	18.315
59	.697	1430.697	17.740
60	1.104	1433.104	16.805
61	.804	1435.804	15.400
62	.374	1439.374	13.470
63	.719	1440.719	13.080
64	1.238	1442.238	12.800
65	.062	1423.062	20.260
66	1.486	1426.486	20.165
67	.825	1428.825	18.565
68	.800	1431.800	17.655
69	.509	1434.509	16.255
70	.529	1436.529	15.080
71	.984	1437.984	13.935

72	.562	1439.562	5.965
73	.043	1422.043	21.519
74	1.019	1426.019	21.409
75	.219	1428.219	18.735
76	.485	1430.485	18.235
77	.519	1432.519	13.565
78	.772	1433.772	11.935
79	.819	1434.819	9.780
80	.578	1435.578	14.000
81	.040	1422.040	22.059
82	.951	1425.951	21.944
83	.699	1427.699	19.555
84	.782	1429.782	18.060
85	.980	1430.980	16.065
86	.933	1431.933	13.925
87	1.163	1432.163	14.475
88	.202	1433.203	9.625
89	.015	1424.015	13.000
90	.024	1425.024	22.089
91	.021	1426.021	19.700
92	.028	1427.028	18.195
93	.037	1428.037	16.175
94	.041	1428.041	13.425
95	.053	1428.053	13.155
96	.015	1430.015	13.000

Existing Conditions
100 YR Q 10-18-89
W/Detention 100YRXD.DIF

TIMESTEP(HOUR) = .00500
NUMBER OF TIMESTEPS = 4800
OUTPUT INTERVAL(TIMESTEPS) = 2600
NUMBER OF NODAL POINTS = 96
UNIFORM GRID SIDE(FEET) = 660.00

NODAL POINT DATA ENTRY:

NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS FRICTION FACTOR
ELEV = NODAL POINT ELEVATION
DEPTH = WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV	DEPTH
1	.0	2.0	9.0	.0	.8000	1447.0	.0
2	.0	3.0	10.0	1.0	.8000	1450.0	.0
3	.0	4.0	11.0	2.0	.8000	1449.0	.0
4	.0	5.0	12.0	3.0	.8000	1452.0	.0
5	.0	6.0	13.0	4.0	.8000	1455.0	.0
6	.0	7.0	14.0	5.0	.8000	1458.0	.0
7	.0	8.0	15.0	6.0	.8000	1461.0	.0
8	.0	.0	16.0	7.0	.8000	1463.0	.0
9	1.0	10.0	17.0	.0	.8000	1443.0	.0
10	2.0	11.0	18.0	9.0	.8000	1446.0	.0
11	3.0	12.0	19.0	10.0	.8000	1446.0	.0
12	4.0	13.0	20.0	11.0	.8000	1448.0	.0
13	5.0	14.0	21.0	12.0	.8000	1451.0	.0
14	6.0	15.0	22.0	13.0	.8000	1456.0	.0
15	7.0	16.0	23.0	14.0	.8000	1458.0	.0
16	8.0	.0	24.0	15.0	.8000	1459.0	.0
17	9.0	18.0	25.0	.0	.8000	1438.0	.0
18	10.0	19.0	26.0	17.0	.8000	1440.0	.0
19	11.0	20.0	27.0	18.0	.8000	1443.0	.0
20	12.0	21.0	28.0	19.0	.8000	1445.0	.0
21	13.0	22.0	29.0	20.0	.8000	1449.0	.0
22	14.0	23.0	30.0	21.0	.8000	1452.0	.0
23	15.0	24.0	31.0	22.0	.8000	1454.0	.0
24	16.0	.0	32.0	23.0	.8000	1457.0	.0
25	17.0	26.0	33.0	.0	.8000	1435.0	.0
26	18.0	27.0	34.0	25.0	.8000	1436.0	.0
27	19.0	28.0	35.0	26.0	.8000	1439.0	.0
28	20.0	29.0	36.0	27.0	.8000	1444.0	.0
29	21.0	30.0	37.0	28.0	.8000	1446.0	.0
30	22.0	31.0	38.0	29.0	.8000	1447.0	.0
31	23.0	32.0	39.0	30.0	.8000	1451.0	.0
32	24.0	.0	40.0	31.0	.8000	1453.0	.0
33	25.0	34.0	41.0	.0	.8000	1430.0	.0
34	26.0	35.0	42.0	33.0	.8000	1433.0	.0
35	27.0	36.0	43.0	34.0	.8000	1437.0	.0
36	28.0	37.0	44.0	35.0	.8000	1441.0	.0
37	29.0	38.0	45.0	36.0	.8000	1443.0	.0
38	30.0	39.0	46.0	37.0	.8000	1445.0	.0
39	31.0	40.0	47.0	38.0	.8000	1448.0	.0
40	32.0	.0	48.0	39.0	.8000	1452.0	.0
41	33.0	42.0	49.0	.0	.8000	1427.0	.0
42	34.0	43.0	50.0	41.0	.8000	1433.0	.0
43	35.0	44.0	51.0	42.0	.8000	1435.0	.0

44	36.0	45.0	52.0	43.0	.8000	1437.0	.0
45	37.0	46.0	53.0	44.0	.8000	1440.0	.0
46	38.0	47.0	54.0	45.0	.8000	1442.0	.0
47	39.0	48.0	55.0	46.0	.8000	1445.0	.0
48	40.0	.0	56.0	47.0	.8000	1448.0	.0
49	41.0	50.0	57.0	.0	.8000	1427.0	.0
50	42.0	51.0	58.0	49.0	.8000	1430.0	.0
51	43.0	52.0	59.0	50.0	.8000	1433.0	.0
52	44.0	53.0	60.0	51.0	.8000	1435.0	.0
53	45.0	54.0	61.0	52.0	.8000	1437.0	.0
54	46.0	55.0	62.0	53.0	.8000	1439.0	.0
55	47.0	56.0	63.0	54.0	.8000	1443.0	.0
56	48.0	.0	64.0	55.0	.8000	1444.0	.0
57	49.0	58.0	65.0	.0	.8000	1425.0	.0
58	50.0	59.0	66.0	57.0	.8000	1427.0	.0
59	51.0	60.0	67.0	58.0	.8000	1430.0	.0
60	52.0	61.0	68.0	59.0	.8000	1432.0	.0
61	53.0	62.0	69.0	60.0	.8000	1435.0	.0
62	54.0	63.0	70.0	61.0	.8000	1439.0	.0
63	55.0	64.0	71.0	62.0	.8000	1440.0	.0
64	56.0	.0	72.0	63.0	.8000	1441.0	.0
65	57.0	66.0	73.0	.0	.8000	1423.0	.0
66	58.0	67.0	74.0	65.0	.8000	1425.0	.0
67	59.0	68.0	75.0	66.0	.8000	1428.0	.0
68	60.0	69.0	76.0	67.0	.8000	1431.0	.0
69	61.0	70.0	77.0	68.0	.8000	1434.0	.0
70	62.0	71.0	78.0	69.0	.8000	1436.0	.0
71	63.0	72.0	79.0	70.0	.8000	1437.0	.0
72	64.0	.0	80.0	71.0	.8000	1439.0	.0
73	65.0	74.0	81.0	.0	.8000	1422.0	.0
74	66.0	75.0	82.0	73.0	.8000	1425.0	.0
75	67.0	76.0	83.0	74.0	.8000	1428.0	.0
76	68.0	77.0	84.0	75.0	.8000	1430.0	.0
77	69.0	78.0	85.0	76.0	.8000	1432.0	.0
78	70.0	79.0	86.0	77.0	.8000	1433.0	.0
79	71.0	80.0	87.0	78.0	.8000	1434.0	.0
80	72.0	.0	88.0	79.0	.8000	1435.0	.0
81	73.0	82.0	89.0	.0	.8000	1422.0	.0
82	74.0	83.0	90.0	81.0	.8000	1425.0	.0
83	75.0	84.0	91.0	82.0	.8000	1427.0	.0
84	76.0	85.0	92.0	83.0	.8000	1429.0	.0
85	77.0	86.0	93.0	84.0	.8000	1430.0	.0
86	78.0	87.0	94.0	85.0	.8000	1431.0	.0
87	79.0	88.0	95.0	86.0	.8000	1431.0	.0
88	80.0	.0	96.0	87.0	.8000	1433.0	.0
89	81.0	90.0	.0	.0	.8000	1424.0	.0
90	82.0	91.0	.0	89.0	.8000	1425.0	.0
91	83.0	92.0	.0	90.0	.8000	1426.0	.0
92	84.0	93.0	.0	91.0	.8000	1427.0	.0
93	85.0	94.0	.0	92.0	.8000	1428.0	.0
94	86.0	95.0	.0	93.0	.8000	1428.0	.0
95	87.0	96.0	.0	94.0	.8000	1428.0	.0
96	88.0	.0	.0	95.0	.8000	1430.0	.0

NUMBER OF BOUNDARY CONDITION NODAL POINTS = 4

BOUNDARY CONDITION NODE NUMBERS:

8 32 48 64

NUMBER OF HYDROGRAPH RATE ENTRIES = 20

LINEAR FUCTION IN FLOWRATE(CFS) IN GRID ELEMENT:

HOUR	FLOWRATE/EACH BC NODE									
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12.0	.0	3.6	90.0	54.5	.0	.0	.0	.0	.0	.0
12.2	.0	58.8	156.1	84.7	.0	.0	.0	.0	.0	.0
12.3	.0	108.7	221.7	108.1	.0	.0	.0	.0	.0	.0
12.5	.0	154.0	283.8	125.0	.0	.0	.0	.0	.0	.0
12.6	.0	158.0	334.4	122.8	.0	.0	.0	.0	.0	.0
12.8	.0	87.1	335.3	82.6	.0	.0	.0	.0	.0	.0
13.0	.0	23.9	296.5	39.4	.0	.0	.0	.0	.0	.0
13.1	.0	.0	256.5	15.5	.0	.0	.0	.0	.0	.0
13.3	.0	.0	210.1	3.4	.0	.0	.0	.0	.0	.0
13.4	.0	.0	174.4	.0	.0	.0	.0	.0	.0	.0
13.6	.0	.0	147.3	.0	.0	.0	.0	.0	.0	.0
13.8	.0	.0	123.0	.0	.0	.0	.0	.0	.0	.0
13.9	.0	.0	100.8	.0	.0	.0	.0	.0	.0	.0
14.1	.0	.0	82.2	.0	.0	.0	.0	.0	.0	.0
14.2	.0	.0	66.8	.0	.0	.0	.0	.0	.0	.0
14.4	.0	.0	53.8	.0	.0	.0	.0	.0	.0	.0
14.6	.0	.0	42.9	.0	.0	.0	.0	.0	.0	.0
14.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

NUMBER OF CRITICAL-DEPTH OUTFLOW NODES = 16

CRITICAL-DEPTH OUTFLOW NODE NUMBERS:

25 33 41 49 57 65 73 81 89 90

91 92 93 94 95 96

UNIFORM EFFECTIVE RAINFALL ON DOMAIN AS LINEAR FU BETWEEN POINTS

HOUR	RAINFALL (IN/HR)
.00	.00
1.00	.02
2.00	.02
3.00	.02
4.00	.02
9.00	.02
10.00	.06
11.00	.07
12.00	.81
13.00	.81
14.00	.07
15.00	.06
16.00	.02
17.00	.02
18.00	.02
19.00	.02
20.00	.02
21.00	.02
24.00	.02
25.00	.00

MODEL TIME(HOURS) = 13.0002 INFLOW(CFS/LF) = .0506

1 N = .8000PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.126	1447.126	-.014	-.019	.023	.008	.003	-1.155	-1.571
2	.109	1450.109	-.007	-.018	.019	.006	.002	-.468	-1.264
3	.131	1449.131	-.007	-.016	.018	.006	.002	-.597	-1.412
4	.119	1452.119	-.031	-.019	.037	.013	.004	-2.469	-1.468
5	.119	1455.119	-.030	-.019	.036	.013	.004	-2.395	-1.493
6	.122	1458.122	-.030	-.013	.033	.011	.004	-2.416	-1.007
7	.119	1461.119	-.027	-.016	.031	.011	.004	-2.139	-1.236
8	.114	1463.114	-.012	-.018	.022	.008	.003	-.932	-1.385
9	.133	1443.133	-.015	-.040	.043	.013	.006	-1.292	-3.539
10	.118	1446.118	-.018	-.039	.043	.015	.005	-1.385	-3.054
11	.134	1446.134	-.014	-.031	.034	.011	.005	-1.235	-2.774
12	.130	1448.130	-.030	-.033	.045	.015	.006	-2.528	-2.858
13	.132	1451.132	-.035	-.029	.046	.016	.006	-3.090	-2.515
14	.122	1456.122	-.034	-.028	.044	.016	.005	-2.736	-2.231
15	.125	1458.125	-.022	-.030	.037	.013	.005	-1.782	-2.493
16	.126	1459.126	-.009	-.027	.029	.009	.004	-.749	-2.276
17	.144	1438.144	-.013	-.021	.024	.008	.004	-1.217	-1.968
18	.130	1440.130	-.030	-.040	.050	.017	.006	-2.542	-3.434
19	.125	1443.125	-.029	-.036	.046	.016	.006	-2.430	-2.934
20	.133	1445.133	-.029	-.026	.039	.013	.005	-2.545	-2.235
21	.113	1449.113	-.019	-.049	.053	.018	.006	-1.441	-3.682
22	.100	1452.100	-.011	-.018	.021	.008	.002	-.728	-1.224
23	.100	1454.100	-.011	-.116	.116	.035	.012	-.728	-7.661
24	.100	1457.100	.000	-.014	.014	.004	.001	.000	-.892
25	.017	1435.017	.000	.000	.000	.000	.000	.000	.000
26	.136	1436.136	-.016	-.036	.039	.012	.005	-1.462	-3.197
27	.134	1439.134	-.038	-.031	.049	.017	.007	-3.375	-2.706
28	.138	1444.138	-.049	-.025	.055	.018	.008	-4.473	-2.264
29	.280	1446.280	-.061	-.032	.068	.015	.019	-11.192	-5.880
30	.700	1447.700	-.068	-.018	.070	.009	.049	-31.224	-8.504
31	.590	1451.590	-.135	-.036	.140	.020	.083	-52.636	-13.947
32	1.142	1454.142	-.040	-.021	.045	.005	.051	-30.042	-15.449
33	.017	1430.017	.000	.000	.000	.000	.000	.000	.000
34	.144	1433.144	-.018	-.018	.025	.008	.004	-1.701	-1.667
35	.128	1437.128	-.038	-.026	.046	.016	.006	-3.228	-2.194
36	.127	1441.127	-.033	-.035	.048	.017	.006	-2.763	-2.956
37	.148	1443.148	-.024	-.054	.059	.018	.009	-2.341	-5.309
38	.111	1445.111	-.028	-.276	.278	.081	.031	-2.076	-20.215
39	.100	1448.099	-.015	-.400	.400	.116	.040	-.971	-26.271
40	.101	1452.101	.000	-.233	.233	.065	.023	.000	-15.449
41	.017	1427.017	.000	.000	.000	.000	.000	.000	.000
42	.125	1433.125	-.013	-.020	.024	.008	.003	-1.044	-1.678
43	.124	1435.124	-.026	-.036	.044	.015	.005	-2.112	-2.944
44	.129	1437.129	-.035	-.064	.073	.024	.009	-2.988	-5.443
45	.188	1440.188	-.134	-.124	.183	.053	.034	-16.658	-15.352
46	.922	1442.922	-.115	-.093	.148	.019	.137	-70.112	-56.854
47	1.368	1446.368	-.159	-.050	.167	.016	.228	-143.520	-45.586
48	1.688	1449.688	-.079	-.066	.103	.010	.174	-88.146	-73.236
49	.017	1427.017	.000	.000	.000	.000	.000	.000	.000
50	.157	1430.157	-.027	-.037	.046	.014	.007	-2.781	-3.805
51	.237	1433.237	-.056	-.062	.083	.021	.020	-8.757	-9.640

52	.450	1435.450	-.087	-.098	.131	.024	.059	-25.698	-29.010
53	.913	1437.913	-.103	-.067	.123	.016	.112	-61.960	-40.101
54	1.268	1440.268	-.078	-.073	.106	.012	.135	-64.924	-60.796
55	.146	1443.146	-.315	-.398	.508	.164	.074	-30.374	-38.463
56	.738	1444.738	-.016	-.239	.240	.026	.177	-7.688	-116.482
57	.017	1425.017	-.072	.000	.072	.048	.001	-.827	.000
58	.194	1427.194	-.067	-.033	.075	.020	.014	-8.595	-4.202
59	.520	1430.520	-.107	-.048	.117	.019	.061	-36.644	-16.339
60	1.159	1433.159	-.087	-.066	.109	.013	.127	-66.482	-50.835
61	.804	1435.804	-.102	-.077	.128	.018	.103	-54.277	-40.830
62	.304	1439.304	-.144	-.131	.195	.044	.059	-28.901	-26.295
63	.868	1440.868	-.093	-.091	.130	.017	.113	-53.112	-52.208
64	1.510	1442.510	-.041	-.088	.097	.009	.147	-40.881	-87.737
65	.017	1423.017	.000	.000	.000	.000	.000	.000	.000
66	.169	1425.169	-.039	-.019	.043	.012	.007	-4.315	-2.120
67	.341	1428.341	-.087	-.043	.096	.019	.033	-19.469	-9.571
68	.720	1431.720	-.072	-.080	.107	.016	.077	-34.027	-38.020
69	.553	1434.553	-.090	-.071	.114	.019	.063	-32.792	-25.900
70	.613	1436.613	-.096	-.071	.119	.019	.073	-38.697	-28.862
71	1.177	1438.177	-.062	-.105	.122	.014	.143	-48.041	-81.254
72	.597	1439.597	-.059	-.174	.184	.027	.110	-23.262	-68.569
73	.017	1422.017	.000	.000	.000	.000	.000	.000	.000
74	.147	1425.147	-.025	-.003	.025	.006	.004	-2.421	-.245
75	.216	1428.216	-.071	-.019	.074	.017	.016	-10.152	-2.717
76	.572	1430.572	-.052	-.057	.078	.013	.044	-19.666	-21.695
77	.510	1432.510	-.064	-.096	.116	.020	.059	-21.483	-32.481
78	.611	1433.611	-.055	-.098	.113	.017	.069	-22.327	-39.682
79	.722	1434.722	-.057	-.169	.178	.023	.129	-27.181	-80.572
80	.746	1435.746	-.029	-.068	.074	.010	.055	-14.402	-33.489
81	.017	1422.017	.000	.000	.000	.000	.000	.000	.000
82	.139	1425.139	-.019	-.000	.019	.005	.003	-1.736	-.085
83	.197	1427.197	-.071	-.018	.073	.018	.014	-9.231	-2.350
84	.576	1429.576	-.082	-.038	.091	.014	.052	-31.238	-14.540
85	1.163	1431.163	-.064	-.051	.082	.009	.095	-49.382	-38.869
86	1.023	1432.023	-.067	-.057	.088	.011	.090	-45.486	-38.287
87	1.392	1432.392	-.035	-.075	.083	.008	.116	-32.400	-69.271
88	.111	1433.111	-.172	-.129	.215	.080	.024	-12.554	-9.411
89	.017	1424.017	.000	.000	.000	.000	.000	.000	.000
90	.017	1425.017	.000	.000	.000	.000	.000	.000	.000
91	.017	1426.017	.000	-.054	.054	.036	.000	.000	-.622
92	.027	1427.027	.000	-.284	.284	.151	.008	.000	-5.135
93	.052	1428.052	.000	-.537	.537	.208	.028	.000	-18.295
94	.050	1428.050	.000	-.512	.512	.202	.025	.000	-16.824
95	.068	1428.068	.000	-.655	.655	.222	.044	.000	-29.348
96	.017	1430.017	.000	.000	.000	.000	.000	.000	.000

NODE	DEPTH	ELEVATION	TIME
1	.150	1447.150	13.760
2	.110	1450.110	13.195
3	.172	1449.172	13.950
4	.129	1452.129	13.520
5	.131	1455.131	13.580
6	.140	1458.140	13.745
7	.131	1461.130	13.565
8	.119	1463.119	13.380
9	.180	1443.180	14.120
10	.127	1446.127	13.470
11	.268	1446.268	16.530

100 YR

12	.172	1448.172	14.685
13	.204	1451.204	15.210
14	.142	1456.142	13.770
15	.157	1458.157	14.150
16	.156	1459.156	13.945
17	.414	1438.414	15.985
18	.162	1440.162	13.870
19	.162	1443.162	16.245
20	.182	1445.182	14.425
21	.116	1449.116	13.235
22	.100	1452.100	12.920
23	.101	1454.101	16.345
24	.100	1457.100	13.005
25	.017	1435.017	16.060
26	.222	1436.222	15.255
27	.364	1439.364	18.515
28	.211	1444.211	15.870
29	.467	1446.467	15.355
30	.853	1447.853	14.225
31	.610	1451.610	13.290
32	1.191	1454.191	12.825
33	.024	1430.024	19.250
34	.622	1433.622	18.970
35	.158	1437.158	13.910
36	.313	1441.313	18.540
37	.398	1443.398	17.835
38	.111	1445.111	13.125
39	.101	1448.101	13.090
40	.102	1452.102	16.395
41	.017	1427.017	13.000
42	.259	1433.259	21.159
43	.161	1435.161	15.515
44	.219	1437.219	23.469
45	.308	1440.308	8.045
46	1.032	1443.032	13.790
47	1.453	1446.453	13.415
48	1.690	1449.690	13.020
49	.017	1427.017	13.000
50	.205	1430.205	23.999
51	.238	1433.238	13.120
52	.552	1435.552	15.810
53	1.316	1438.316	15.050
54	1.480	1440.479	14.380
55	.260	1443.260	5.470
56	.939	1444.938	13.780
57	.021	1425.021	15.325
58	.598	1427.598	15.220
59	.811	1430.811	14.290
60	1.335	1433.335	16.405
61	.920	1435.920	15.590
62	.377	1439.377	14.480
63	.874	1440.874	13.175
64	1.555	1442.555	12.780
65	.080	1423.080	17.925
66	1.813	1426.813	17.840
67	1.158	1429.158	15.160
68	.918	1431.918	14.050
69	.563	1434.563	16.100
70	.690	1436.690	14.255
71	1.183	1438.183	13.275

100 YR

72	.727	1439.727	4.765
73	.067	1422.067	18.125
74	1.469	1426.469	18.080
75	.551	1428.551	15.530
76	.699	1430.699	14.330
77	.640	1432.640	11.260
78	.987	1433.987	9.375
79	1.032	1435.032	7.805
80	.768	1435.768	13.575
81	.059	1422.059	18.640
82	1.334	1426.334	18.535
83	.995	1427.995	16.390
84	1.015	1430.015	14.985
85	1.199	1431.199	13.590
86	1.084	1432.084	15.155
87	1.468	1432.468	13.945
88	.216	1433.216	7.815
89	.017	1424.017	13.000
90	.039	1425.039	18.660
91	.033	1426.033	16.515
92	.039	1427.039	15.070
93	.052	1428.052	13.185
94	.050	1428.050	13.040
95	.069	1428.068	13.380
96	.017	1430.017	13.000

100 YR

Existing Conditions
500 YR Q 10-18-89
W/Detention 500YRXD.DIF

TIMESTEP(HOUR) = .00500
NUMBER OF TIMESTEPS = 4800
OUTPUT INTERVAL(TIMESTEPS) = 2600
NUMBER OF NODAL POINTS = 96
UNIFORM GRID SIDE(FEET) = 660.00

NODAL POINT DATA ENTRY:

NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS FRICTION FACTOR
ELEV = NODAL POINT ELEVATION
DEPTH = WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV	DEPTH
1	.0	2.0	9.0	.0	.8000	1447.0	.0
2	.0	3.0	10.0	1.0	.8000	1450.0	.0
3	.0	4.0	11.0	2.0	.8000	1449.0	.0
4	.0	5.0	12.0	3.0	.8000	1452.0	.0
5	.0	6.0	13.0	4.0	.8000	1455.0	.0
6	.0	7.0	14.0	5.0	.8000	1458.0	.0
7	.0	8.0	15.0	6.0	.8000	1461.0	.0
8	.0	.0	16.0	7.0	.8000	1463.0	.0
9	1.0	10.0	17.0	.0	.8000	1443.0	.0
10	2.0	11.0	18.0	9.0	.8000	1446.0	.0
11	3.0	12.0	19.0	10.0	.8000	1446.0	.0
12	4.0	13.0	20.0	11.0	.8000	1448.0	.0
13	5.0	14.0	21.0	12.0	.8000	1451.0	.0
14	6.0	15.0	22.0	13.0	.8000	1456.0	.0
15	7.0	16.0	23.0	14.0	.8000	1458.0	.0
16	8.0	.0	24.0	15.0	.8000	1459.0	.0
17	9.0	18.0	25.0	.0	.8000	1438.0	.0
18	10.0	19.0	26.0	17.0	.8000	1440.0	.0
19	11.0	20.0	27.0	18.0	.8000	1443.0	.0
20	12.0	21.0	28.0	19.0	.8000	1445.0	.0
21	13.0	22.0	29.0	20.0	.8000	1449.0	.0
22	14.0	23.0	30.0	21.0	.8000	1452.0	.0
23	15.0	24.0	31.0	22.0	.8000	1454.0	.0
24	16.0	.0	32.0	23.0	.8000	1457.0	.0
25	17.0	26.0	33.0	.0	.8000	1435.0	.0
26	18.0	27.0	34.0	25.0	.8000	1436.0	.0
27	19.0	28.0	35.0	26.0	.8000	1439.0	.0
28	20.0	29.0	36.0	27.0	.8000	1444.0	.0
29	21.0	30.0	37.0	28.0	.8000	1446.0	.0
30	22.0	31.0	38.0	29.0	.8000	1447.0	.0
31	23.0	32.0	39.0	30.0	.8000	1451.0	.0
32	24.0	.0	40.0	31.0	.8000	1453.0	.0
33	25.0	34.0	41.0	.0	.8000	1430.0	.0
34	26.0	35.0	42.0	33.0	.8000	1433.0	.0
35	27.0	36.0	43.0	34.0	.8000	1437.0	.0
36	28.0	37.0	44.0	35.0	.8000	1441.0	.0
37	29.0	38.0	45.0	36.0	.8000	1443.0	.0
38	30.0	39.0	46.0	37.0	.8000	1445.0	.0
39	31.0	40.0	47.0	38.0	.8000	1448.0	.0
40	32.0	.0	48.0	39.0	.8000	1452.0	.0
41	33.0	42.0	49.0	.0	.8000	1427.0	.0
42	34.0	43.0	50.0	41.0	.8000	1433.0	.0
43	35.0	44.0	51.0	42.0	.8000	1435.0	.0

44	36.0	45.0	52.0	43.0	.8000	1437.0	.0
45	37.0	46.0	53.0	44.0	.8000	1440.0	.0
46	38.0	47.0	54.0	45.0	.8000	1442.0	.0
47	39.0	48.0	55.0	46.0	.8000	1445.0	.0
48	40.0	.0	56.0	47.0	.8000	1448.0	.0
49	41.0	50.0	57.0	.0	.8000	1427.0	.0
50	42.0	51.0	58.0	49.0	.8000	1430.0	.0
51	43.0	52.0	59.0	50.0	.8000	1433.0	.0
52	44.0	53.0	60.0	51.0	.8000	1435.0	.0
53	45.0	54.0	61.0	52.0	.8000	1437.0	.0
54	46.0	55.0	62.0	53.0	.8000	1439.0	.0
55	47.0	56.0	63.0	54.0	.8000	1443.0	.0
56	48.0	.0	64.0	55.0	.8000	1444.0	.0
57	49.0	58.0	65.0	.0	.8000	1425.0	.0
58	50.0	59.0	66.0	57.0	.8000	1427.0	.0
59	51.0	60.0	67.0	58.0	.8000	1430.0	.0
60	52.0	61.0	68.0	59.0	.8000	1432.0	.0
61	53.0	62.0	69.0	60.0	.8000	1435.0	.0
62	54.0	63.0	70.0	61.0	.8000	1439.0	.0
63	55.0	64.0	71.0	62.0	.8000	1440.0	.0
64	56.0	.0	72.0	63.0	.8000	1441.0	.0
65	57.0	66.0	73.0	.0	.8000	1423.0	.0
66	58.0	67.0	74.0	65.0	.8000	1425.0	.0
67	59.0	68.0	75.0	66.0	.8000	1428.0	.0
68	60.0	69.0	76.0	67.0	.8000	1431.0	.0
69	61.0	70.0	77.0	68.0	.8000	1434.0	.0
70	62.0	71.0	78.0	69.0	.8000	1436.0	.0
71	63.0	72.0	79.0	70.0	.8000	1437.0	.0
72	64.0	.0	80.0	71.0	.8000	1439.0	.0
73	65.0	74.0	81.0	.0	.8000	1422.0	.0
74	66.0	75.0	82.0	73.0	.8000	1425.0	.0
75	67.0	76.0	83.0	74.0	.8000	1428.0	.0
76	68.0	77.0	84.0	75.0	.8000	1430.0	.0
77	69.0	78.0	85.0	76.0	.8000	1432.0	.0
78	70.0	79.0	86.0	77.0	.8000	1433.0	.0
79	71.0	80.0	87.0	78.0	.8000	1434.0	.0
80	72.0	.0	88.0	79.0	.8000	1435.0	.0
81	73.0	82.0	89.0	.0	.8000	1422.0	.0
82	74.0	83.0	90.0	81.0	.8000	1425.0	.0
83	75.0	84.0	91.0	82.0	.8000	1427.0	.0
84	76.0	85.0	92.0	83.0	.8000	1429.0	.0
85	77.0	86.0	93.0	84.0	.8000	1430.0	.0
86	78.0	87.0	94.0	85.0	.8000	1431.0	.0
87	79.0	88.0	95.0	86.0	.8000	1431.0	.0
88	80.0	.0	96.0	87.0	.8000	1433.0	.0
89	81.0	90.0	.0	.0	.8000	1424.0	.0
90	82.0	91.0	.0	89.0	.8000	1425.0	.0
91	83.0	92.0	.0	90.0	.8000	1426.0	.0
92	84.0	93.0	.0	91.0	.8000	1427.0	.0
93	85.0	94.0	.0	92.0	.8000	1428.0	.0
94	86.0	95.0	.0	93.0	.8000	1428.0	.0
95	87.0	96.0	.0	94.0	.8000	1428.0	.0
96	88.0	.0	.0	95.0	.8000	1430.0	.0

NUMBER OF BOUNDARY CONDITION NODAL POINTS = 4

BOUNDARY CONDITION NODE NUMBERS:

8 32 48 64

NUMBER OF HYDROGRAPH RATE ENTRIES = 20

LINEAR FUCTION IN FLOWRATE(CFS) IN GRID ELEMENT:

HOUR	FLOWRATE/EACH BC NODE									
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12.0	.0	83.1	154.6	93.7	.0	.0	.0	.0	.0	.0
12.2	.0	156.1	248.2	132.7	.0	.0	.0	.0	.0	.0
12.3	.0	217.8	338.1	161.1	.0	.0	.0	.0	.0	.0
12.5	.0	266.3	422.4	180.4	.0	.0	.0	.0	.0	.0
12.6	.0	254.9	491.3	174.4	.0	.0	.0	.0	.0	.0
12.8	.0	148.7	490.0	118.8	.0	.0	.0	.0	.0	.0
13.0	.0	60.3	436.9	60.1	.0	.0	.0	.0	.0	.0
13.1	2.4	25.9	386.2	27.7	.0	.0	.0	.0	.0	.0
13.3	7.3	6.0	340.5	11.3	.0	.0	.0	.0	.0	.0
13.4	11.0	.0	291.8	2.3	.0	.0	.0	.0	.0	.0
13.6	13.6	.0	246.4	.0	.0	.0	.0	.0	.0	.0
13.8	15.4	.0	203.9	.0	.0	.0	.0	.0	.0	.0
13.9	16.5	.0	164.8	.0	.0	.0	.0	.0	.0	.0
14.1	17.2	.0	132.4	.0	.0	.0	.0	.0	.0	.0
14.2	17.5	.0	106.0	.0	.0	.0	.0	.0	.0	.0
14.4	17.6	.0	85.0	.0	.0	.0	.0	.0	.0	.0
14.6	17.4	.0	68.0	.0	.0	.0	.0	.0	.0	.0
14.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

NUMBER OF CRITICAL-DEPTH OUTFLOW NODES = 16

CRITICAL-DEPTH OUTFLOW NODE NUMBERS:

25 33 41 49 57 65 73 81 89 90

91 92 93 94 95 96

UNIFORM EFFECTIVE RAINFALL ON DOMAIN AS LINEAR FU BETWEEN POINTS

HOUR	RAINFALL (IN/HR)
.00	.00
1.00	.03
2.00	.03
3.00	.03
4.00	.03
9.00	.03
10.00	.09
11.00	.10
12.00	1.13
13.00	1.13
14.00	.10
15.00	.09
16.00	.03
17.00	.03
18.00	.03
19.00	.03
20.00	.03
21.00	.03
24.00	.03
25.00	.00

MODEL TIME(HOURS) = 13.0002 INFLOW(CFS/LF) = .0787

1 N = .8000PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.171	1447.171	-.015	-.024	.029	.008	.005	-1.742	-2.761
2	.130	1450.130	-.008	-.021	.022	.007	.003	-.673	-1.799
3	.187	1449.187	-.009	-.021	.023	.006	.004	-1.067	-2.630
4	.153	1452.153	-.039	-.024	.046	.014	.007	-3.959	-2.442
5	.155	1455.155	-.037	-.025	.044	.014	.007	-3.739	-2.566
6	.162	1458.162	-.036	-.015	.039	.011	.006	-3.820	-1.647
7	.154	1461.154	-.032	-.020	.038	.012	.006	-3.294	-2.026
8	.142	1463.142	-.015	-.023	.028	.009	.004	-1.389	-2.198
9	.192	1443.192	-.017	-.052	.055	.014	.011	-2.165	-6.643
10	.151	1446.151	-.025	-.047	.053	.016	.008	-2.444	-4.640
11	.198	1446.198	-.018	-.037	.041	.011	.008	-2.402	-4.842
12	.185	1448.185	-.038	-.039	.055	.016	.010	-4.683	-4.788
13	.193	1451.193	-.044	-.031	.054	.015	.010	-5.580	-3.967
14	.165	1456.165	-.044	-.030	.053	.016	.009	-4.778	-3.308
15	.175	1458.175	-.027	-.033	.042	.012	.007	-3.058	-3.782
16	.175	1459.175	-.011	-.030	.032	.009	.006	-1.300	-3.456
17	.225	1438.225	-.015	-.035	.038	.009	.009	-2.279	-5.212
18	.176	1440.176	-.036	-.054	.065	.019	.012	-4.235	-6.301
19	.147	1443.146	-.037	-.072	.081	.025	.012	-3.555	-6.978
20	.174	1445.174	-.014	-.041	.043	.012	.007	-1.598	-4.662
21	.101	1449.101	-.013	-.021	.025	.010	.003	-.893	-1.401
22	.099	1452.099	-.014	-.410	.410	.119	.041	-.893	-26.778
23	.101	1454.101	-.013	-.026	.030	.011	.003	-.892	-1.756
24	.098	1457.098	-.014	-.495	.496	.143	.049	-.892	-32.141
25	.025	1435.025	-.055	-.080	.097	.075	.002	-.912	-1.331
26	.242	1436.242	-.042	-.047	.063	.016	.015	-6.663	-7.483
27	.365	1439.365	-.064	-.043	.077	.016	.028	-15.325	-10.414
28	.350	1444.350	-.093	-.049	.105	.021	.037	-21.464	-11.362
29	.673	1446.673	-.092	-.044	.102	.015	.069	-40.931	-19.544
30	1.282	1448.282	-.101	-.062	.118	.013	.151	-85.347	-52.094
31	.981	1451.981	-.186	-.026	.187	.019	.184	-120.122	-16.896
32	1.691	1454.691	-.057	-.058	.081	.008	.138	-63.815	-64.742
33	.024	1430.024	-.101	.000	.101	.057	.002	-1.601	.000
34	.255	1433.255	-.045	-.027	.052	.012	.013	-7.519	-4.526
35	.316	1437.316	-.077	-.046	.089	.019	.028	-15.998	-9.587
36	.464	1441.464	-.072	-.067	.098	.018	.046	-22.104	-20.388
37	.594	1443.594	-.050	-.089	.102	.016	.061	-19.597	-35.058
38	.268	1445.268	-.056	-.271	.277	.056	.074	-9.973	-47.985
39	.101	1448.101	-.063	-.625	.628	.191	.063	-4.195	-41.687
40	.176	1452.176	-.015	-.668	.669	.144	.118	-1.796	-77.773
41	.022	1427.022	-.092	.000	.092	.055	.002	-1.338	.000
42	.184	1433.184	-.031	-.019	.036	.010	.007	-3.804	-2.265
43	.230	1435.230	-.048	-.039	.062	.016	.014	-7.233	-5.972
44	.377	1437.377	-.063	-.092	.112	.022	.042	-15.603	-22.981
45	.509	1440.509	-.125	-.147	.193	.034	.098	-41.962	-49.287
46	1.230	1443.230	-.148	-.111	.185	.021	.227	-120.072	-89.915
47	1.784	1446.784	-.191	-.061	.200	.017	.357	-224.824	-71.546
48	2.159	1450.159	-.095	-.121	.154	.013	.332	-135.878	-172.227
49	.021	1427.021	.000	.000	.000	.000	.000	.000	.000
50	.115	1430.115	-.017	-.126	.127	.037	.015	-1.307	-9.607
51	.136	1433.136	-.124	-.163	.205	.069	.028	-11.185	-14.672

52	.748	1435.748	-.116	-.115	.164	.024	.122	-57.328	-56.879
53	1.486	1438.486	-.121	-.093	.153	.016	.227	-118.823	-91.697
54	1.599	1440.599	-.101	-.091	.136	.013	.217	-106.291	-96.051
55	.274	1443.274	-.309	-.376	.487	.115	.134	-56.023	-68.092
56	1.246	1445.246	-.026	-.252	.253	.022	.315	-21.106	-206.958
57	.035	1425.035	-.293	.000	.293	.138	.010	-6.803	.000
58	.670	1427.670	-.084	-.090	.123	.019	.082	-36.970	-39.616
59	.944	1430.944	-.140	-.081	.162	.020	.153	-87.265	-50.781
60	1.581	1433.581	-.117	-.087	.145	.014	.230	-121.703	-90.744
61	1.157	1436.157	-.127	-.111	.168	.019	.195	-96.729	-84.612
62	.507	1439.507	-.171	-.144	.223	.039	.113	-57.147	-48.257
63	1.239	1441.239	-.113	-.105	.154	.017	.191	-92.546	-85.781
64	1.940	1442.940	-.053	-.119	.130	.011	.253	-67.523	-152.373
65	.091	1423.091	-.789	.000	.789	.231	.071	-47.120	.000
66	1.923	1426.923	-.105	-.059	.120	.010	.231	-132.701	-74.768
67	1.368	1429.368	-.150	-.065	.164	.016	.224	-135.828	-58.291
68	.977	1431.977	-.128	-.102	.164	.021	.161	-82.857	-66.082
69	.793	1434.793	-.112	-.080	.137	.019	.109	-58.346	-41.818
70	.885	1436.885	-.108	-.101	.148	.020	.131	-63.279	-58.914
71	1.423	1438.423	-.078	-.134	.155	.016	.221	-73.441	-125.989
72	.866	1439.866	-.063	-.204	.213	.025	.185	-35.898	-116.507
73	.052	1422.052	-.551	.000	.551	.214	.028	-18.798	.000
74	1.094	1426.094	-.081	-.077	.112	.013	.122	-58.537	-55.560
75	.901	1428.901	-.106	-.070	.127	.016	.115	-63.081	-41.893
76	.741	1430.741	-.071	-.076	.104	.015	.077	-34.904	-37.311
77	.377	1432.377	-.116	-.135	.178	.036	.067	-28.909	-33.644
78	1.042	1434.042	-.062	-.117	.132	.015	.137	-42.311	-80.231
79	1.025	1435.025	-.074	-.183	.198	.022	.203	-49.995	-124.077
80	1.031	1436.031	-.037	-.091	.098	.011	.101	-25.030	-61.685
81	.034	1422.034	-.324	.000	.324	.156	.011	-7.169	.000
82	.633	1425.633	-.106	-.037	.112	.016	.071	-44.069	-15.444
83	1.306	1428.306	-.097	-.047	.108	.011	.141	-83.442	-40.538
84	1.171	1430.171	-.107	-.046	.117	.012	.137	-82.949	-35.443
85	1.309	1431.309	-.089	-.048	.101	.011	.133	-77.191	-41.384
86	1.389	1432.389	-.079	-.078	.111	.012	.154	-72.307	-71.689
87	1.770	1432.770	-.041	-.093	.101	.009	.180	-48.323	-108.240
88	.250	1433.250	-.102	-.124	.160	.040	.040	-16.800	-20.467
89	.021	1424.021	.000	.000	.000	.000	.000	.000	.000
90	.026	1425.026	.000	-.168	.168	.092	.004	.000	-2.881
91	.054	1426.054	.000	-.525	.525	.199	.028	.000	-18.796
92	.058	1427.058	.000	-.487	.487	.178	.028	.000	-18.713
93	.061	1428.061	.000	-.566	.566	.201	.035	.000	-22.869
94	.070	1428.070	.000	-.635	.635	.212	.044	.000	-29.259
95	.091	1428.091	.000	-.765	.765	.224	.069	.000	-45.707
96	.024	1430.024	.000	-.097	.097	.055	.002	.000	-1.560

NODE	DEPTH	ELEVATION	TIME
1	.199	1447.199	13.720
2	.131	1450.131	13.155
3	.238	1449.238	13.950
4	.163	1452.163	13.410
5	.168	1455.167	13.490
6	.185	1458.185	13.695
7	.167	1461.167	13.510
8	.236	1463.236	14.610
9	.247	1443.247	13.905
10	.160	1446.160	13.410
11	.452	1446.452	16.380

500YR

12	.244	1448.244	14.465
13	.310	1451.310	15.305
14	.192	1456.192	13.730
15	.228	1458.228	15.535
16	.235	1459.235	15.260
17	.626	1438.626	15.915
18	.198	1440.198	13.555
19	.158	1443.158	13.515
20	.225	1445.225	15.615
21	.101	1449.101	12.950
22	.101	1452.101	12.945
23	.134	1454.134	19.340
24	.101	1457.101	12.675
25	.026	1435.026	15.925
26	.372	1436.372	14.450
27	.528	1439.528	17.385
28	.352	1444.352	13.230
29	.741	1446.741	13.810
30	1.341	1448.341	13.530
31	.984	1451.984	13.050
32	1.859	1454.859	12.730
33	.043	1430.043	16.410
34	1.022	1434.022	16.350
35	.427	1437.427	14.035
36	.484	1441.484	13.465
37	.642	1443.642	16.095
38	.307	1445.307	13.695
39	.102	1448.102	12.980
40	.185	1452.185	12.825
41	.030	1427.030	17.730
42	.621	1433.621	17.575
43	.527	1435.527	15.605
44	.553	1437.553	14.665
45	.607	1440.607	14.050
46	1.361	1443.361	13.695
47	1.863	1446.863	13.325
48	2.160	1450.160	12.985
49	.021	1427.021	12.995
50	.237	1430.237	23.999
51	.258	1433.258	16.160
52	.972	1435.972	15.200
53	1.637	1438.637	14.590
54	1.839	1440.839	14.270
55	.510	1443.510	4.795
56	1.427	1445.427	13.555
57	.035	1425.035	13.035
58	.937	1427.937	17.150
59	1.185	1431.185	15.885
60	1.771	1433.771	15.440
61	1.233	1436.233	14.980
62	.581	1439.581	7.185
63	1.245	1441.245	13.155
64	2.020	1443.020	12.730
65	.115	1423.115	17.060
66	2.420	1427.420	16.995
67	1.516	1429.516	12.090
68	1.303	1432.303	15.360
69	.850	1434.850	13.685
70	.942	1436.942	6.455
71	1.451	1438.451	13.450

500 YK

72	.955	1439.955	3.855
73	.099	1422.099	17.180
74	2.001	1427.001	17.105
75	.949	1428.949	12.575
76	1.042	1431.042	16.435
77	.937	1432.937	9.015
78	1.307	1434.307	7.530
79	1.316	1435.316	6.275
80	1.045	1436.045	13.360
81	.084	1422.084	17.125
82	1.775	1426.775	17.040
83	1.362	1428.362	13.390
84	1.271	1430.271	16.770
85	1.433	1431.433	14.995
86	1.490	1432.490	14.375
87	1.848	1432.848	14.135
88	.303	1433.303	13.925
89	.021	1424.021	12.995
90	.060	1425.060	17.145
91	.056	1426.056	13.250
92	.058	1427.058	12.305
93	.061	1428.061	13.065
94	.071	1428.071	13.295
95	.091	1428.091	13.295
96	.024	1430.024	13.025

500 YR

Future Conditions
10 YR Q 10-19-89
No Detention 10YR.DIF

TIMESTEP(HOUR) = .00500
NUMBER OF TIMESTEPS = 4800
OUTPUT INTERVAL(TIMESTEPS) = 2600
NUMBER OF NODAL POINTS = 96
UNIFORM GRID SIDE(FEET) = 660.00

NODAL POINT DATA ENTRY:

NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS FRICTION FACTOR
ELEV = NODAL POINT ELEVATION
DEPTH = WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV	DEPTH
1	.0	2.0	9.0	.0	.8000	1447.0	.0
2	.0	3.0	10.0	1.0	.8000	1450.0	.0
3	.0	4.0	11.0	2.0	.8000	1449.0	.0
4	.0	5.0	12.0	3.0	.8000	1452.0	.0
5	.0	6.0	13.0	4.0	.8000	1455.0	.0
6	.0	7.0	14.0	5.0	.8000	1458.0	.0
7	.0	8.0	15.0	6.0	.8000	1461.0	.0
8	.0	.0	16.0	7.0	.8000	1463.0	.0
9	1.0	10.0	17.0	.0	.8000	1443.0	.0
10	2.0	11.0	18.0	9.0	.8000	1446.0	.0
11	3.0	12.0	19.0	10.0	.8000	1446.0	.0
12	4.0	13.0	20.0	11.0	.8000	1448.0	.0
13	5.0	14.0	21.0	12.0	.8000	1451.0	.0
14	6.0	15.0	22.0	13.0	.8000	1456.0	.0
15	7.0	16.0	23.0	14.0	.8000	1458.0	.0
16	8.0	.0	24.0	15.0	.8000	1459.0	.0
17	9.0	18.0	25.0	.0	.8000	1438.0	.0
18	10.0	19.0	26.0	17.0	.8000	1440.0	.0
19	11.0	20.0	27.0	18.0	.8000	1443.0	.0
20	12.0	21.0	28.0	19.0	.8000	1445.0	.0
21	13.0	22.0	29.0	20.0	.8000	1449.0	.0
22	14.0	23.0	30.0	21.0	.8000	1452.0	.0
23	15.0	24.0	31.0	22.0	.8000	1454.0	.0
24	16.0	.0	32.0	23.0	.8000	1457.0	.0
25	17.0	26.0	33.0	.0	.8000	1435.0	.0
26	18.0	27.0	34.0	25.0	.8000	1436.0	.0
27	19.0	28.0	35.0	26.0	.8000	1439.0	.0
28	20.0	29.0	36.0	27.0	.8000	1444.0	.0
29	21.0	30.0	37.0	28.0	.8000	1446.0	.0
30	22.0	31.0	38.0	29.0	.8000	1447.0	.0
31	23.0	32.0	39.0	30.0	.8000	1451.0	.0
32	24.0	.0	40.0	31.0	.8000	1453.0	.0
33	25.0	34.0	41.0	.0	.8000	1430.0	.0
34	26.0	35.0	42.0	33.0	.8000	1433.0	.0
35	27.0	36.0	43.0	34.0	.8000	1437.0	.0
36	28.0	37.0	44.0	35.0	.8000	1441.0	.0
37	29.0	38.0	45.0	36.0	.8000	1443.0	.0
38	30.0	39.0	46.0	37.0	.8000	1445.0	.0
39	31.0	40.0	47.0	38.0	.8000	1448.0	.0
40	32.0	.0	48.0	39.0	.8000	1452.0	.0
41	33.0	42.0	49.0	.0	.8000	1427.0	.0
42	34.0	43.0	50.0	41.0	.8000	1433.0	.0
43	35.0	44.0	51.0	42.0	.8000	1435.0	.0

44	36.0	45.0	52.0	43.0	.8000	1437.0	.0
45	37.0	46.0	53.0	44.0	.8000	1440.0	.0
46	38.0	47.0	54.0	45.0	.8000	1442.0	.0
47	39.0	48.0	55.0	46.0	.8000	1445.0	.0
48	40.0	.0	56.0	47.0	.8000	1448.0	.0
49	41.0	50.0	57.0	.0	.8000	1427.0	.0
50	42.0	51.0	58.0	49.0	.8000	1430.0	.0
51	43.0	52.0	59.0	50.0	.8000	1433.0	.0
52	44.0	53.0	60.0	51.0	.8000	1435.0	.0
53	45.0	54.0	61.0	52.0	.8000	1437.0	.0
54	46.0	55.0	62.0	53.0	.8000	1439.0	.0
55	47.0	56.0	63.0	54.0	.8000	1443.0	.0
56	48.0	.0	64.0	55.0	.8000	1444.0	.0
57	49.0	58.0	65.0	.0	.8000	1425.0	.0
58	50.0	59.0	66.0	57.0	.8000	1427.0	.0
59	51.0	60.0	67.0	58.0	.8000	1430.0	.0
60	52.0	61.0	68.0	59.0	.8000	1432.0	.0
61	53.0	62.0	69.0	60.0	.8000	1435.0	.0
62	54.0	63.0	70.0	61.0	.8000	1439.0	.0
63	55.0	64.0	71.0	62.0	.8000	1440.0	.0
64	56.0	.0	72.0	63.0	.8000	1441.0	.0
65	57.0	66.0	73.0	.0	.8000	1423.0	.0
66	58.0	67.0	74.0	65.0	.8000	1425.0	.0
67	59.0	68.0	75.0	66.0	.8000	1428.0	.0
68	60.0	69.0	76.0	67.0	.8000	1431.0	.0
69	61.0	70.0	77.0	68.0	.8000	1434.0	.0
70	62.0	71.0	78.0	69.0	.8000	1436.0	.0
71	63.0	72.0	79.0	70.0	.8000	1437.0	.0
72	64.0	.0	80.0	71.0	.8000	1439.0	.0
73	65.0	74.0	81.0	.0	.8000	1422.0	.0
74	66.0	75.0	82.0	73.0	.8000	1425.0	.0
75	67.0	76.0	83.0	74.0	.8000	1428.0	.0
76	68.0	77.0	84.0	75.0	.8000	1430.0	.0
77	69.0	78.0	85.0	76.0	.8000	1432.0	.0
78	70.0	79.0	86.0	77.0	.8000	1433.0	.0
79	71.0	80.0	87.0	78.0	.8000	1434.0	.0
80	72.0	.0	88.0	79.0	.8000	1435.0	.0
81	73.0	82.0	89.0	.0	.8000	1422.0	.0
82	74.0	83.0	90.0	81.0	.8000	1425.0	.0
83	75.0	84.0	91.0	82.0	.8000	1427.0	.0
84	76.0	85.0	92.0	83.0	.8000	1429.0	.0
85	77.0	86.0	93.0	84.0	.8000	1430.0	.0
86	78.0	87.0	94.0	85.0	.8000	1431.0	.0
87	79.0	88.0	95.0	86.0	.8000	1431.0	.0
88	80.0	.0	96.0	87.0	.8000	1433.0	.0
89	81.0	90.0	.0	.0	.8000	1424.0	.0
90	82.0	91.0	.0	89.0	.8000	1425.0	.0
91	83.0	92.0	.0	90.0	.8000	1426.0	.0
92	84.0	93.0	.0	91.0	.8000	1427.0	.0
93	85.0	94.0	.0	92.0	.8000	1428.0	.0
94	86.0	95.0	.0	93.0	.8000	1428.0	.0
95	87.0	96.0	.0	94.0	.8000	1428.0	.0
96	88.0	.0	.0	95.0	.8000	1430.0	.0

NUMBER OF BOUNDARY CONDITION NODAL POINTS = 4

BOUNDARY CONDITION NODE NUMBERS:

8 32 48 64

NUMBER OF HYDROGRAPH RATE ENTRIES = 18

LINEAR FUCTION IN FLOWRATE(CFS) IN GRID ELEMENT:

HOUR	FLOWRATE/EACH BC NODE									
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12.2	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0
12.3	.0	8.8	57.1	35.6	.0	.0	.0	.0	.0	.0
12.5	13.2	69.9	88.5	47.5	.0	.0	.0	.0	.0	.0
12.6	64.5	83.4	116.2	49.4	.0	.0	.0	.0	.0	.0
12.8	102.7	41.7	135.0	30.8	.0	.0	.0	.0	.0	.0
13.0	112.8	5.2	129.0	9.7	.0	.0	.0	.0	.0	.0
13.1	94.3	.0	94.4	.0	.0	.0	.0	.0	.0	.0
13.3	61.0	.0	63.4	.0	.0	.0	.0	.0	.0	.0
13.4	26.3	.0	41.9	.0	.0	.0	.0	.0	.0	.0
13.6	.0	.0	27.6	.0	.0	.0	.0	.0	.0	.0
13.8	.0	.0	4.9	.0	.0	.0	.0	.0	.0	.0
13.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

NUMBER OF CRITICAL-DEPTH OUTFLOW NODES = 16

CRITICAL-DEPTH OUTFLOW NODE NUMBERS:

25 33 41 49 57 65 73 81 89 90

91 92 93 94 95 96

UNIFORM EFFECTIVE RAINFALL ON DOMAIN AS LINEAR FU BETWEEN POINTS

HOUR	RAINFALL (IN/HR)
.00	.00
1.00	.00
2.00	.00
3.00	.00
4.00	.00
9.00	.00
10.00	.03
11.00	.03
12.00	.37
13.00	.37
14.00	.03
15.00	.03
16.00	.00
17.00	.00
18.00	.00
19.00	.00
20.00	.00
21.00	.00
24.00	.00
25.00	.00

MODEL TIME(HOURS) = 13.0002 INFLOW(CFS/LF) = .0110

1 N = .8000PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.059	1447.059	.000	.000	.000	.000	.000	.000	.000
2	.059	1450.059	.000	.000	.000	.000	.000	.000	.000
3	.059	1449.059	.000	.000	.000	.000	.000	.000	.000
4	.059	1452.059	.000	.000	.000	.000	.000	.000	.000
5	.059	1455.059	.000	.000	.000	.000	.000	.000	.000
6	.059	1458.059	.000	.000	.000	.000	.000	.000	.000
7	.067	1461.067	-.069	.000	.069	.023	.005	-3.059	.000
8	.390	1463.391	-.012	-.016	.020	.004	.008	-3.059	-4.222
9	.059	1443.059	.000	.000	.000	.000	.000	.000	.000
10	.059	1446.059	.000	.000	.000	.000	.000	.000	.000
11	.059	1446.059	.000	.000	.000	.000	.000	.000	.000
12	.059	1448.059	.000	.000	.000	.000	.000	.000	.000
13	.059	1451.059	.000	.000	.000	.000	.000	.000	.000
14	.059	1456.059	.000	.000	.000	.000	.000	.000	.000
15	.059	1458.059	.000	.000	.000	.000	.000	.000	.000
16	.070	1459.070	.000	-.091	.091	.030	.006	.000	-4.221
17	.059	1438.059	.000	.000	.000	.000	.000	.000	.000
18	.059	1440.059	.000	.000	.000	.000	.000	.000	.000
19	.059	1443.059	.000	.000	.000	.000	.000	.000	.000
20	.059	1445.059	.000	.000	.000	.000	.000	.000	.000
21	.059	1449.059	.000	.000	.000	.000	.000	.000	.000
22	.059	1452.059	.000	.000	.000	.000	.000	.000	.000
23	.059	1454.059	.000	.000	.000	.000	.000	.000	.000
24	.059	1457.059	.000	.000	.000	.000	.000	.000	.000
25	.010	1435.010	.000	.000	.000	.000	.000	.000	.000
26	.059	1436.059	.000	.000	.000	.000	.000	.000	.000
27	.059	1439.059	.000	.000	.000	.000	.000	.000	.000
28	.059	1444.059	.000	.000	.000	.000	.000	.000	.000
29	.059	1446.059	.000	.000	.000	.000	.000	.000	.000
30	.059	1447.059	.000	.000	.000	.000	.000	.000	.000
31	.071	1451.071	-.048	.000	.048	.016	.003	-2.268	.000
32	.312	1453.312	-.011	-.008	.014	.003	.004	-2.268	-1.667
33	.010	1430.010	.000	.000	.000	.000	.000	.000	.000
34	.059	1433.059	.000	.000	.000	.000	.000	.000	.000
35	.059	1437.059	.000	.000	.000	.000	.000	.000	.000
36	.059	1441.059	.000	.000	.000	.000	.000	.000	.000
37	.059	1443.059	.000	.000	.000	.000	.000	.000	.000
38	.059	1445.059	.000	.000	.000	.000	.000	.000	.000
39	.059	1448.059	.000	.000	.000	.000	.000	.000	.000
40	.068	1452.068	.000	-.037	.037	.013	.003	.000	-1.667
41	.010	1427.010	.000	.000	.000	.000	.000	.000	.000
42	.059	1433.059	.000	.000	.000	.000	.000	.000	.000
43	.059	1435.059	.000	.000	.000	.000	.000	.000	.000
44	.059	1437.059	.000	.000	.000	.000	.000	.000	.000
45	.059	1440.059	.000	.000	.000	.000	.000	.000	.000
46	.059	1442.059	.000	.000	.000	.000	.000	.000	.000
47	.094	1445.094	-.133	.000	.133	.038	.013	-8.288	.000
48	.636	1448.636	-.020	-.023	.030	.005	.019	-8.288	-9.491
49	.010	1427.010	.000	.000	.000	.000	.000	.000	.000
50	.059	1430.059	.000	.000	.000	.000	.000	.000	.000
51	.059	1433.059	.000	.000	.000	.000	.000	.000	.000
52	.059	1435.059	.000	.000	.000	.000	.000	.000	.000
53	.059	1437.059	.000	.000	.000	.000	.000	.000	.000

54	.059	1439.059	.000	.000	.000	.000	.000	.000	.000
55	.059	1443.059	.000	.000	.000	.000	.000	.000	.000
56	.100	1444.099	.000	-.145	.145	.040	.014	.000	-9.491
57	.010	1425.010	.000	.000	.000	.000	.000	.000	.000
58	.059	1427.059	.000	.000	.000	.000	.000	.000	.000
59	.059	1430.059	.000	.000	.000	.000	.000	.000	.000
60	.059	1432.059	.000	.000	.000	.000	.000	.000	.000
61	.059	1435.059	.000	.000	.000	.000	.000	.000	.000
62	.059	1439.059	.000	.000	.000	.000	.000	.000	.000
63	.096	1440.096	-.044	.000	.044	.012	.004	-2.785	.000
64	.412	1441.412	-.010	-.014	.018	.003	.007	-2.785	-3.858
65	.010	1423.010	.000	.000	.000	.000	.000	.000	.000
66	.059	1425.059	.000	.000	.000	.000	.000	.000	.000
67	.059	1428.059	.000	.000	.000	.000	.000	.000	.000
68	.059	1431.059	.000	.000	.000	.000	.000	.000	.000
69	.059	1434.059	.000	.000	.000	.000	.000	.000	.000
70	.059	1436.059	.000	.000	.000	.000	.000	.000	.000
71	.059	1437.059	.000	.000	.000	.000	.000	.000	.000
72	.111	1439.111	.000	-.053	.053	.014	.006	.000	-3.858
73	.010	1422.010	.000	.000	.000	.000	.000	.000	.000
74	.059	1425.059	.000	.000	.000	.000	.000	.000	.000
75	.059	1428.059	.000	.000	.000	.000	.000	.000	.000
76	.059	1430.059	.000	.000	.000	.000	.000	.000	.000
77	.059	1432.059	.000	.000	.000	.000	.000	.000	.000
78	.059	1433.059	.000	.000	.000	.000	.000	.000	.000
79	.059	1434.059	.000	.000	.000	.000	.000	.000	.000
80	.059	1435.059	.000	.000	.000	.000	.000	.000	.000
81	.010	1422.010	.000	.000	.000	.000	.000	.000	.000
82	.059	1425.059	.000	.000	.000	.000	.000	.000	.000
83	.059	1427.059	.000	.000	.000	.000	.000	.000	.000
84	.059	1429.059	.000	.000	.000	.000	.000	.000	.000
85	.059	1430.059	.000	.000	.000	.000	.000	.000	.000
86	.059	1431.059	.000	.000	.000	.000	.000	.000	.000
87	.059	1431.059	.000	.000	.000	.000	.000	.000	.000
88	.059	1433.059	.000	.000	.000	.000	.000	.000	.000
89	.010	1424.010	.000	.000	.000	.000	.000	.000	.000
90	.010	1425.010	.000	.000	.000	.000	.000	.000	.000
91	.010	1426.010	.000	.000	.000	.000	.000	.000	.000
92	.010	1427.010	.000	.000	.000	.000	.000	.000	.000
93	.010	1428.010	.000	.000	.000	.000	.000	.000	.000
94	.010	1428.010	.000	.000	.000	.000	.000	.000	.000
95	.010	1428.010	.000	.000	.000	.000	.000	.000	.000
96	.010	1430.010	.000	.000	.000	.000	.000	.000	.000

NODE	DEPTH	ELEVATION	TIME
1	.086	1447.086	23.999
2	.086	1450.086	23.999
3	.086	1449.086	23.999
4	.086	1452.086	23.999
5	.104	1455.104	17.045
6	.121	1458.121	15.565
7	.177	1461.177	14.865
8	.573	1463.573	13.430
9	.086	1443.086	23.999
10	.086	1446.086	23.999
11	.086	1446.086	23.999
12	.118	1448.118	19.630
13	.126	1451.126	17.885

14	.121	1456.121	16.540
15	.169	1458.169	17.425
16	.274	1459.274	15.905
17	.086	1438.086	23.999
18	.086	1440.086	23.999
19	.086	1443.086	23.999
20	.103	1445.103	21.134
21	.106	1449.106	19.650
22	.111	1452.111	18.100
23	.129	1454.129	18.855
24	.100	1457.100	15.690
25	.010	1435.010	13.000
26	.086	1436.086	23.999
27	.111	1439.111	22.589
28	.117	1444.117	21.099
29	.128	1446.128	20.530
30	.195	1447.195	21.064
31	.133	1451.133	17.715
32	.312	1453.312	12.990
33	.010	1430.010	13.000
34	.087	1433.087	23.999
35	.115	1437.115	23.944
36	.116	1441.116	22.309
37	.121	1443.121	22.224
38	.112	1445.112	19.165
39	.100	1448.100	18.345
40	.100	1452.100	13.695
41	.010	1427.010	13.000
42	.086	1433.086	23.999
43	.110	1435.110	23.999
44	.116	1437.116	22.769
45	.117	1440.117	20.525
46	.169	1442.169	18.155
47	.314	1445.314	15.495
48	.757	1448.757	13.375
49	.010	1427.010	13.000
50	.086	1430.086	23.999
51	.107	1433.107	23.999
52	.125	1435.125	23.874
53	.245	1437.245	22.489
54	.271	1439.271	20.360
55	.151	1443.151	16.095
56	.262	1444.262	14.740
57	.010	1425.010	13.000
58	.104	1427.104	23.999
59	.127	1430.127	23.999
60	.207	1432.207	23.999
61	.150	1435.150	22.309
62	.120	1439.120	16.965
63	.243	1440.243	17.565
64	.414	1441.413	13.090
65	.010	1423.010	13.000
66	.151	1425.151	23.999
67	.161	1428.161	23.999
68	.128	1431.128	23.244
69	.119	1434.119	19.290
70	.140	1436.140	19.010
71	.267	1437.267	19.725
72	.190	1439.190	15.630
73	.010	1422.010	13.000

74	.100	1425.100	23.999
75	.115	1428.115	23.179
76	.126	1430.126	23.349
77	.124	1432.124	20.944
78	.174	1433.174	22.054
79	.191	1434.191	20.090
80	.147	1435.147	17.765
81	.010	1422.010	13.000
82	.090	1425.090	23.999
83	.121	1427.120	23.999
84	.143	1429.143	23.999
85	.199	1430.199	23.999
86	.199	1431.198	23.999
87	.317	1431.317	23.619
88	.112	1433.112	18.260
89	.010	1424.010	13.000
90	.010	1425.010	13.000
91	.010	1426.010	13.000
92	.010	1427.010	13.000
93	.010	1428.010	13.000
94	.010	1428.010	13.000
95	.011	1428.011	23.684
96	.010	1430.010	13.000

Future Conditions
50 YR Q 10-19-89
No Detention 50YR.DIF

TIMESTEP(HOUR) = .00500
NUMBER OF TIMESTEPS = 4800
OUTPUT INTERVAL(TIMESTEPS) = 2600
NUMBER OF NODAL POINTS = 96
UNIFORM GRID SIDE(FEET) = 660.00

NODAL POINT DATA ENTRY:

NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS FRICTION FACTOR
ELEV = NODAL POINT ELEVATION
DEPTH = WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV	DEPTH
1	.0	2.0	9.0	.0	.8000	1447.0	.0
2	.0	3.0	10.0	1.0	.8000	1450.0	.0
3	.0	4.0	11.0	2.0	.8000	1449.0	.0
4	.0	5.0	12.0	3.0	.8000	1452.0	.0
5	.0	6.0	13.0	4.0	.8000	1455.0	.0
6	.0	7.0	14.0	5.0	.8000	1458.0	.0
7	.0	8.0	15.0	6.0	.8000	1461.0	.0
8	.0	.0	16.0	7.0	.8000	1463.0	.0
9	1.0	10.0	17.0	.0	.8000	1443.0	.0
10	2.0	11.0	18.0	9.0	.8000	1446.0	.0
11	3.0	12.0	19.0	10.0	.8000	1446.0	.0
12	4.0	13.0	20.0	11.0	.8000	1448.0	.0
13	5.0	14.0	21.0	12.0	.8000	1451.0	.0
14	6.0	15.0	22.0	13.0	.8000	1456.0	.0
15	7.0	16.0	23.0	14.0	.8000	1458.0	.0
16	8.0	.0	24.0	15.0	.8000	1459.0	.0
17	9.0	18.0	25.0	.0	.8000	1438.0	.0
18	10.0	19.0	26.0	17.0	.8000	1440.0	.0
19	11.0	20.0	27.0	18.0	.8000	1443.0	.0
20	12.0	21.0	28.0	19.0	.8000	1445.0	.0
21	13.0	22.0	29.0	20.0	.8000	1449.0	.0
22	14.0	23.0	30.0	21.0	.8000	1452.0	.0
23	15.0	24.0	31.0	22.0	.8000	1454.0	.0
24	16.0	.0	32.0	23.0	.8000	1457.0	.0
25	17.0	26.0	33.0	.0	.8000	1435.0	.0
26	18.0	27.0	34.0	25.0	.8000	1436.0	.0
27	19.0	28.0	35.0	26.0	.8000	1439.0	.0
28	20.0	29.0	36.0	27.0	.8000	1444.0	.0
29	21.0	30.0	37.0	28.0	.8000	1446.0	.0
30	22.0	31.0	38.0	29.0	.8000	1447.0	.0
31	23.0	32.0	39.0	30.0	.8000	1451.0	.0
32	24.0	.0	40.0	31.0	.8000	1453.0	.0
33	25.0	34.0	41.0	.0	.8000	1430.0	.0
34	26.0	35.0	42.0	33.0	.8000	1433.0	.0
35	27.0	36.0	43.0	34.0	.8000	1437.0	.0
36	28.0	37.0	44.0	35.0	.8000	1441.0	.0
37	29.0	38.0	45.0	36.0	.8000	1443.0	.0
38	30.0	39.0	46.0	37.0	.8000	1445.0	.0
39	31.0	40.0	47.0	38.0	.8000	1448.0	.0
40	32.0	.0	48.0	39.0	.8000	1452.0	.0
41	33.0	42.0	49.0	.0	.8000	1427.0	.0
42	34.0	43.0	50.0	41.0	.8000	1433.0	.0
43	35.0	44.0	51.0	42.0	.8000	1435.0	.0

44	36.0	45.0	52.0	43.0	.8000	1437.0	.0
45	37.0	46.0	53.0	44.0	.8000	1440.0	.0
46	38.0	47.0	54.0	45.0	.8000	1442.0	.0
47	39.0	48.0	55.0	46.0	.8000	1445.0	.0
48	40.0	.0	56.0	47.0	.8000	1448.0	.0
49	41.0	50.0	57.0	.0	.8000	1427.0	.0
50	42.0	51.0	58.0	49.0	.8000	1430.0	.0
51	43.0	52.0	59.0	50.0	.8000	1433.0	.0
52	44.0	53.0	60.0	51.0	.8000	1435.0	.0
53	45.0	54.0	61.0	52.0	.8000	1437.0	.0
54	46.0	55.0	62.0	53.0	.8000	1439.0	.0
55	47.0	56.0	63.0	54.0	.8000	1443.0	.0
56	48.0	.0	64.0	55.0	.8000	1444.0	.0
57	49.0	58.0	65.0	.0	.8000	1425.0	.0
58	50.0	59.0	66.0	57.0	.8000	1427.0	.0
59	51.0	60.0	67.0	58.0	.8000	1430.0	.0
60	52.0	61.0	68.0	59.0	.8000	1432.0	.0
61	53.0	62.0	69.0	60.0	.8000	1435.0	.0
62	54.0	63.0	70.0	61.0	.8000	1439.0	.0
63	55.0	64.0	71.0	62.0	.8000	1440.0	.0
64	56.0	.0	72.0	63.0	.8000	1441.0	.0
65	57.0	66.0	73.0	.0	.8000	1423.0	.0
66	58.0	67.0	74.0	65.0	.8000	1425.0	.0
67	59.0	68.0	75.0	66.0	.8000	1428.0	.0
68	60.0	69.0	76.0	67.0	.8000	1431.0	.0
69	61.0	70.0	77.0	68.0	.8000	1434.0	.0
70	62.0	71.0	78.0	69.0	.8000	1436.0	.0
71	63.0	72.0	79.0	70.0	.8000	1437.0	.0
72	64.0	.0	80.0	71.0	.8000	1439.0	.0
73	65.0	74.0	81.0	.0	.8000	1422.0	.0
74	66.0	75.0	82.0	73.0	.8000	1425.0	.0
75	67.0	76.0	83.0	74.0	.8000	1428.0	.0
76	68.0	77.0	84.0	75.0	.8000	1430.0	.0
77	69.0	78.0	85.0	76.0	.8000	1432.0	.0
78	70.0	79.0	86.0	77.0	.8000	1433.0	.0
79	71.0	80.0	87.0	78.0	.8000	1434.0	.0
80	72.0	.0	88.0	79.0	.8000	1435.0	.0
81	73.0	82.0	89.0	.0	.8000	1422.0	.0
82	74.0	83.0	90.0	81.0	.8000	1425.0	.0
83	75.0	84.0	91.0	82.0	.8000	1427.0	.0
84	76.0	85.0	92.0	83.0	.8000	1429.0	.0
85	77.0	86.0	93.0	84.0	.8000	1430.0	.0
86	78.0	87.0	94.0	85.0	.8000	1431.0	.0
87	79.0	88.0	95.0	86.0	.8000	1431.0	.0
88	80.0	.0	96.0	87.0	.8000	1433.0	.0
89	81.0	90.0	.0	.0	.8000	1424.0	.0
90	82.0	91.0	.0	89.0	.8000	1425.0	.0
91	83.0	92.0	.0	90.0	.8000	1426.0	.0
92	84.0	93.0	.0	91.0	.8000	1427.0	.0
93	85.0	94.0	.0	92.0	.8000	1428.0	.0
94	86.0	95.0	.0	93.0	.8000	1428.0	.0
95	87.0	96.0	.0	94.0	.8000	1428.0	.0
96	88.0	.0	.0	95.0	.8000	1430.0	.0

NUMBER OF BOUNDARY CONDITION NODAL POINTS = 4

BOUNDARY CONDITION NODE NUMBERS:

8 32 48 64

NUMBER OF HYDROGRAPH RATE ENTRIES = 18

LINEAR FUCTION IN FLOWRATE(CFS) IN GRID ELEMENT:

HOUR	FLOWRATE/EACH BC NODE									
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12.0	.0	.0	41.8	37.8	.0	.0	.0	.0	.0	.0
12.2	.0	77.2	99.7	63.7	.0	.0	.0	.0	.0	.0
12.3	72.4	149.9	154.1	84.6	.0	.0	.0	.0	.0	.0
12.5	163.2	174.9	204.9	100.2	.0	.0	.0	.0	.0	.0
12.6	250.5	162.6	247.4	99.5	.0	.0	.0	.0	.0	.0
12.8	310.0	90.9	263.6	66.3	.0	.0	.0	.0	.0	.0
13.0	319.0	30.6	231.8	30.0	.0	.0	.0	.0	.0	.0
13.1	279.9	4.9	188.1	9.9	.0	.0	.0	.0	.0	.0
13.3	217.6	.0	143.0	.0	.0	.0	.0	.0	.0	.0
13.4	152.2	.0	106.2	.0	.0	.0	.0	.0	.0	.0
13.6	94.6	.0	79.3	.0	.0	.0	.0	.0	.0	.0
13.8	51.2	.0	57.1	.0	.0	.0	.0	.0	.0	.0
13.9	19.1	.0	38.0	.0	.0	.0	.0	.0	.0	.0
14.1	.0	.0	23.0	.0	.0	.0	.0	.0	.0	.0
14.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

NUMBER OF CRITICAL-DEPTH OUTFLOW NODES = 16

CRITICAL-DEPTH OUTFLOW NODE NUMBERS:

25 33 41 49 57 65 73 81 89 90

91 92 93 94 95 96

UNIFORM EFFECTIVE RAINFALL ON DOMAIN AS LINEAR FU BETWEEN POINTS

HOUR	RAINFALL (IN/HR)
.00	.00
1.00	.01
2.00	.02
3.00	.01
4.00	.02
9.00	.02
10.00	.05
11.00	.06
12.00	.67
13.00	.67
14.00	.06
15.00	.05
16.00	.01
17.00	.02
18.00	.02
19.00	.02
20.00	.01
21.00	.02
24.00	.02
25.00	.00

MODEL TIME(HOURS) = 13.0002 INFLOW(CFS/LF) = .0379

1 N = .8000PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.105	1447.105	-.013	-.016	.021	.008	.002	-.940	-1.131
2	.102	1450.102	-.006	-.016	.017	.006	.002	-.393	-1.071
3	.107	1449.107	-.006	-.014	.015	.005	.002	-.419	-.988
4	.104	1452.104	-.028	-.016	.032	.012	.003	-1.914	-1.112
5	.104	1455.104	-.028	-.016	.032	.012	.003	-1.928	-1.119
6	.108	1458.108	-.038	-.011	.039	.013	.004	-2.692	-.806
7	.188	1461.188	-.208	-.014	.208	.045	.039	-25.791	-1.745
8	1.259	1464.259	-.029	-.039	.048	.005	.061	-24.079	-32.062
9	.107	1443.107	-.014	-.034	.037	.013	.004	-.967	-2.429
10	.104	1446.104	-.014	-.036	.038	.014	.004	-.967	-2.432
11	.107	1446.107	-.011	-.028	.030	.011	.003	-.804	-1.965
12	.106	1448.106	-.026	-.030	.039	.015	.004	-1.789	-2.095
13	.107	1451.107	-.032	-.027	.042	.016	.004	-2.246	-1.894
14	.105	1456.105	-.030	-.027	.040	.016	.004	-2.089	-1.877
15	.112	1458.112	-.028	-.039	.048	.018	.005	-2.080	-2.871
16	.222	1459.222	-.009	-.230	.230	.044	.051	-1.252	-33.699
17	.109	1438.109	-.011	-.018	.021	.008	.002	-.817	-1.298
18	.106	1440.106	-.025	-.036	.044	.017	.005	-1.789	-2.507
19	.105	1443.105	-.025	-.031	.040	.015	.004	-1.769	-2.134
20	.107	1445.107	-.027	-.023	.036	.014	.004	-1.889	-1.645
21	.101	1449.101	-.030	-.054	.062	.023	.006	-1.991	-3.605
22	.099	1452.099	-.025	-.200	.201	.063	.020	-1.625	-13.106
23	.100	1454.100	-.025	-.123	.126	.041	.013	-1.617	-8.127
24	.099	1457.099	-.014	-.341	.342	.100	.034	-.891	-22.247
25	.015	1435.015	.000	.000	.000	.000	.000	.000	.000
26	.108	1436.108	-.014	-.030	.034	.012	.004	-1.023	-2.161
27	.110	1439.110	-.035	-.027	.045	.017	.005	-2.560	-1.984
28	.128	1444.128	-.051	-.022	.055	.018	.007	-4.315	-1.835
29	.309	1446.309	-.063	-.031	.070	.015	.022	-12.760	-6.380
30	.755	1447.755	-.071	-.046	.085	.012	.064	-35.428	-23.127
31	.632	1451.632	-.143	-.037	.148	.020	.094	-59.776	-15.381
32	1.235	1454.235	-.042	-.047	.063	.007	.078	-34.329	-38.416
33	.015	1430.015	.000	.000	.000	.000	.000	.000	.000
34	.109	1433.109	-.016	-.014	.021	.008	.002	-1.159	-1.014
35	.106	1437.106	-.033	-.024	.041	.015	.004	-2.308	-1.719
36	.108	1441.108	-.031	-.045	.055	.021	.006	-2.221	-3.227
37	.144	1443.144	-.030	-.062	.069	.021	.010	-2.886	-5.857
38	.200	1445.200	-.027	-.166	.169	.038	.034	-3.538	-21.988
39	.100	1448.100	-.042	-.374	.376	.116	.038	-2.761	-24.707
40	.100	1452.100	-.016	-.664	.664	.189	.066	-1.037	-43.833
41	.015	1427.015	.000	.000	.000	.000	.000	.000	.000
42	.107	1433.107	-.013	-.015	.019	.007	.002	-.901	-1.027
43	.121	1435.121	-.031	-.026	.041	.015	.005	-2.503	-2.065
44	.198	1437.198	-.035	-.053	.064	.017	.013	-4.561	-6.919
45	.213	1440.213	-.102	-.116	.154	.042	.033	-14.330	-16.280
46	.757	1442.757	-.110	-.088	.140	.020	.106	-54.753	-43.874
47	1.219	1446.219	-.142	-.047	.149	.015	.182	-114.175	-37.547
48	1.479	1449.479	-.073	-.080	.108	.011	.160	-70.793	-77.966
49	.015	1427.015	.000	.000	.000	.000	.000	.000	.000
50	.112	1430.112	-.019	-.028	.034	.012	.004	-1.375	-2.078
51	.148	1433.148	-.064	-.027	.070	.021	.010	-6.276	-2.669
52	.456	1435.456	-.083	-.046	.094	.017	.043	-24.893	-13.707
53	.918	1437.918	-.089	-.065	.110	.014	.101	-53.704	-39.682

54	1.045	1440.045	-.073	-.064	.097	.012	.101	-50.435	-44.017
55	.110	1443.110	-.282	-.407	.495	.183	.055	-20.521	-29.697
56	.494	1444.494	-.012	-.246	.246	.032	.122	-3.798	-80.250
57	.015	1425.015	.000	.000	.000	.000	.000	.000	.000
58	.110	1427.110	-.016	-.026	.031	.011	.003	-1.165	-1.902
59	.126	1430.126	-.050	-.031	.059	.020	.007	-4.149	-2.536
60	.330	1432.330	-.085	-.054	.100	.021	.033	-18.424	-11.675
61	.740	1435.740	-.067	-.074	.100	.014	.074	-32.634	-36.159
62	.377	1439.377	-.110	-.080	.136	.027	.051	-27.307	-20.032
63	.717	1440.717	-.082	-.080	.115	.017	.082	-38.716	-37.995
64	1.245	1442.245	-.035	-.074	.082	.009	.102	-28.603	-60.702
65	.015	1423.015	.000	.000	.000	.000	.000	.000	.000
66	.111	1425.111	-.016	-.012	.020	.007	.002	-1.151	-.851
67	.123	1428.123	-.040	-.014	.042	.013	.005	-3.266	-1.100
68	.211	1431.211	-.054	-.034	.064	.017	.014	-7.545	-4.763
69	.373	1434.373	-.052	-.079	.095	.019	.035	-12.857	-19.436
70	.428	1436.428	-.083	-.083	.117	.022	.050	-23.461	-23.373
71	.960	1437.960	-.054	-.087	.103	.013	.099	-34.463	-55.346
72	.535	1439.536	-.052	-.140	.150	.023	.080	-18.430	-49.637
73	.015	1422.015	.000	.000	.000	.000	.000	.000	.000
74	.109	1425.109	-.015	.000	.015	.004	.002	-1.073	.000
75	.116	1428.116	-.039	-.009	.040	.012	.005	-2.978	-.689
76	.236	1430.236	-.062	-.023	.066	.015	.016	-9.709	-3.524
77	.560	1432.560	-.051	-.057	.076	.013	.043	-18.767	-21.033
78	.659	1433.659	-.045	-.082	.093	.014	.062	-19.510	-35.635
79	.485	1434.485	-.052	-.161	.170	.027	.082	-16.791	-51.695
80	.553	1435.552	-.023	-.063	.067	.010	.037	-8.244	-23.017
81	.015	1422.015	.000	.000	.000	.000	.000	.000	.000
82	.107	1425.107	-.012	.000	.012	.003	.001	-.836	.000
83	.111	1427.111	-.027	-.009	.028	.009	.003	-1.974	-.630
84	.151	1429.151	-.056	-.016	.058	.016	.009	-5.537	-1.594
85	.513	1430.513	-.061	-.048	.078	.013	.040	-20.642	-16.225
86	.922	1431.922	-.046	-.058	.074	.010	.068	-28.022	-35.191
87	1.142	1432.142	-.030	-.061	.068	.008	.078	-22.335	-46.319
88	.100	1433.100	-.160	-.087	.182	.069	.018	-10.554	-5.771
89	.015	1424.015	.000	.000	.000	.000	.000	.000	.000
90	.015	1425.015	.000	.000	.000	.000	.000	.000	.000
91	.015	1426.015	.000	.000	.000	.000	.000	.000	.000
92	.015	1427.015	.000	.000	.000	.000	.000	.000	.000
93	.024	1428.024	.000	-.266	.266	.152	.006	.000	-4.178
94	.044	1428.044	.000	-.485	.485	.205	.021	.000	-13.936
95	.054	1428.054	.000	-.573	.573	.217	.031	.000	-20.452
96	.015	1430.015	.000	.000	.000	.000	.000	.000	.000

NODE	DEPTH	ELEVATION	TIME
1	.126	1447.126	13.690
2	.103	1450.103	13.200
3	.141	1449.141	13.990
4	.114	1452.114	13.575
5	.117	1455.117	13.715
6	.284	1458.284	15.420
7	.613	1461.613	14.150
8	1.557	1464.557	13.355
9	.148	1443.148	14.035
10	.113	1446.113	13.520
11	.218	1446.218	16.515
12	.178	1448.178	19.995
13	.370	1451.370	18.460

14	.357	1456.357	16.945
15	.688	1458.688	15.755
16	.961	1459.961	14.460
17	.295	1438.296	15.780
18	.137	1440.137	13.940
19	.128	1443.128	13.935
20	.214	1445.214	23.119
21	.102	1449.102	13.105
22	.101	1452.101	17.030
23	.465	1454.465	17.900
24	.171	1457.171	15.640
25	.015	1435.015	13.000
26	.191	1436.191	15.165
27	.322	1439.322	19.235
28	.221	1444.221	16.085
29	.471	1446.471	15.325
30	.868	1447.868	14.090
31	.649	1451.649	13.250
32	1.305	1454.305	12.765
33	.023	1430.023	21.364
34	.600	1433.600	21.019
35	.131	1437.131	13.910
36	.410	1441.410	20.135
37	.555	1443.555	19.770
38	.263	1445.263	19.265
39	.101	1448.101	12.990
40	.159	1452.159	17.425
41	.015	1427.015	13.000
42	.258	1433.258	23.164
43	.176	1435.176	23.999
44	.393	1437.393	23.614
45	.300	1440.300	10.420
46	.939	1442.939	14.085
47	1.312	1446.312	13.460
48	1.484	1449.484	13.065
49	.015	1427.015	13.000
50	.216	1430.216	15.460
51	.269	1433.269	14.730
52	.589	1435.589	14.040
53	1.078	1438.078	15.795
54	1.320	1440.320	14.700
55	.178	1443.178	8.390
56	.698	1444.698	13.855
57	.020	1425.020	17.315
58	.597	1427.597	17.150
59	.821	1430.822	16.400
60	1.253	1433.253	15.615
61	.934	1435.934	14.090
62	.381	1439.381	12.725
63	.718	1440.718	13.050
64	1.277	1442.276	12.800
65	.073	1423.073	18.880
66	1.697	1426.697	18.795
67	1.061	1429.061	17.200
68	.893	1431.893	16.290
69	.547	1434.547	14.960
70	.523	1436.523	14.570
71	1.023	1438.023	13.755
72	.592	1439.592	5.660
73	.056	1422.056	19.630

74	1.273	1426.273	19.550
75	.413	1428.413	17.640
76	.597	1430.597	16.815
77	.568	1432.568	13.300
78	.805	1433.805	11.250
79	.857	1434.857	9.320
80	.607	1435.607	13.915
81	.048	1422.048	20.665
82	1.124	1426.124	20.550
83	.800	1427.800	18.565
84	.857	1429.857	17.230
85	1.032	1431.032	15.485
86	.951	1431.951	13.620
87	1.198	1432.198	14.480
88	.199	1433.199	9.180
89	.015	1424.015	13.000
90	.031	1425.031	20.695
91	.025	1426.025	18.705
92	.031	1427.031	17.365
93	.040	1428.040	15.545
94	.044	1428.044	13.155
95	.054	1428.054	13.240
96	.015	1430.015	13.000

Future Conditions
100 YR Q 10-19-90
No Detention 100YR DIF

TIMESTEP(HOUR) = .00500
NUMBER OF TIMESTEPS = 4800
OUTPUT INTERVAL(TIMESTEPS) = 2600
NUMBER OF NODAL POINTS = 96
UNIFORM GRID SIDE(FEET) = 660.00

NODAL POINT DATA ENTRY:

NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS FRICTION FACTOR
ELEV = NODAL POINT ELEVATION
DEPTH = WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV	DEPTH
1	.0	2.0	9.0	.0	.8000	1447.0	.0
2	.0	3.0	10.0	1.0	.8000	1450.0	.0
3	.0	4.0	11.0	2.0	.8000	1449.0	.0
4	.0	5.0	12.0	3.0	.8000	1452.0	.0
5	.0	6.0	13.0	4.0	.8000	1455.0	.0
6	.0	7.0	14.0	5.0	.8000	1458.0	.0
7	.0	8.0	15.0	6.0	.8000	1461.0	.0
8	.0	.0	16.0	7.0	.8000	1463.0	.0
9	1.0	10.0	17.0	.0	.8000	1443.0	.0
10	2.0	11.0	18.0	9.0	.8000	1446.0	.0
11	3.0	12.0	19.0	10.0	.8000	1446.0	.0
12	4.0	13.0	20.0	11.0	.8000	1448.0	.0
13	5.0	14.0	21.0	12.0	.8000	1451.0	.0
14	6.0	15.0	22.0	13.0	.8000	1456.0	.0
15	7.0	16.0	23.0	14.0	.8000	1458.0	.0
16	8.0	.0	24.0	15.0	.8000	1459.0	.0
17	9.0	18.0	25.0	.0	.8000	1438.0	.0
18	10.0	19.0	26.0	17.0	.8000	1440.0	.0
19	11.0	20.0	27.0	18.0	.8000	1443.0	.0
20	12.0	21.0	28.0	19.0	.8000	1445.0	.0
21	13.0	22.0	29.0	20.0	.8000	1449.0	.0
22	14.0	23.0	30.0	21.0	.8000	1452.0	.0
23	15.0	24.0	31.0	22.0	.8000	1454.0	.0
24	16.0	.0	32.0	23.0	.8000	1457.0	.0
25	17.0	26.0	33.0	.0	.8000	1435.0	.0
26	18.0	27.0	34.0	25.0	.8000	1436.0	.0
27	19.0	28.0	35.0	26.0	.8000	1439.0	.0
28	20.0	29.0	36.0	27.0	.8000	1444.0	.0
29	21.0	30.0	37.0	28.0	.8000	1446.0	.0
30	22.0	31.0	38.0	29.0	.8000	1447.0	.0
31	23.0	32.0	39.0	30.0	.8000	1451.0	.0
32	24.0	.0	40.0	31.0	.8000	1453.0	.0
33	25.0	34.0	41.0	.0	.8000	1430.0	.0
34	26.0	35.0	42.0	33.0	.8000	1433.0	.0
35	27.0	36.0	43.0	34.0	.8000	1437.0	.0
36	28.0	37.0	44.0	35.0	.8000	1441.0	.0
37	29.0	38.0	45.0	36.0	.8000	1443.0	.0
38	30.0	39.0	46.0	37.0	.8000	1445.0	.0
39	31.0	40.0	47.0	38.0	.8000	1448.0	.0
40	32.0	.0	48.0	39.0	.8000	1452.0	.0
41	33.0	42.0	49.0	.0	.8000	1427.0	.0
42	34.0	43.0	50.0	41.0	.8000	1433.0	.0
43	35.0	44.0	51.0	42.0	.8000	1435.0	.0

44	36.0	45.0	52.0	43.0	.8000	1437.0	.0
45	37.0	46.0	53.0	44.0	.8000	1440.0	.0
46	38.0	47.0	54.0	45.0	.8000	1442.0	.0
47	39.0	48.0	55.0	46.0	.8000	1445.0	.0
48	40.0	.0	56.0	47.0	.8000	1448.0	.0
49	41.0	50.0	57.0	.0	.8000	1427.0	.0
50	42.0	51.0	58.0	49.0	.8000	1430.0	.0
51	43.0	52.0	59.0	50.0	.8000	1433.0	.0
52	44.0	53.0	60.0	51.0	.8000	1435.0	.0
53	45.0	54.0	61.0	52.0	.8000	1437.0	.0
54	46.0	55.0	62.0	53.0	.8000	1439.0	.0
55	47.0	56.0	63.0	54.0	.8000	1443.0	.0
56	48.0	.0	64.0	55.0	.8000	1444.0	.0
57	49.0	58.0	65.0	.0	.8000	1425.0	.0
58	50.0	59.0	66.0	57.0	.8000	1427.0	.0
59	51.0	60.0	67.0	58.0	.8000	1430.0	.0
60	52.0	61.0	68.0	59.0	.8000	1432.0	.0
61	53.0	62.0	69.0	60.0	.8000	1435.0	.0
62	54.0	63.0	70.0	61.0	.8000	1439.0	.0
63	55.0	64.0	71.0	62.0	.8000	1440.0	.0
64	56.0	.0	72.0	63.0	.8000	1441.0	.0
65	57.0	66.0	73.0	.0	.8000	1423.0	.0
66	58.0	67.0	74.0	65.0	.8000	1425.0	.0
67	59.0	68.0	75.0	66.0	.8000	1428.0	.0
68	60.0	69.0	76.0	67.0	.8000	1431.0	.0
69	61.0	70.0	77.0	68.0	.8000	1434.0	.0
70	62.0	71.0	78.0	69.0	.8000	1436.0	.0
71	63.0	72.0	79.0	70.0	.8000	1437.0	.0
72	64.0	.0	80.0	71.0	.8000	1439.0	.0
73	65.0	74.0	81.0	.0	.8000	1422.0	.0
74	66.0	75.0	82.0	73.0	.8000	1425.0	.0
75	67.0	76.0	83.0	74.0	.8000	1428.0	.0
76	68.0	77.0	84.0	75.0	.8000	1430.0	.0
77	69.0	78.0	85.0	76.0	.8000	1432.0	.0
78	70.0	79.0	86.0	77.0	.8000	1433.0	.0
79	71.0	80.0	87.0	78.0	.8000	1434.0	.0
80	72.0	.0	88.0	79.0	.8000	1435.0	.0
81	73.0	82.0	89.0	.0	.8000	1422.0	.0
82	74.0	83.0	90.0	81.0	.8000	1425.0	.0
83	75.0	84.0	91.0	82.0	.8000	1427.0	.0
84	76.0	85.0	92.0	83.0	.8000	1429.0	.0
85	77.0	86.0	93.0	84.0	.8000	1430.0	.0
86	78.0	87.0	94.0	85.0	.8000	1431.0	.0
87	79.0	88.0	95.0	86.0	.8000	1431.0	.0
88	80.0	.0	96.0	87.0	.8000	1433.0	.0
89	81.0	90.0	.0	.0	.8000	1424.0	.0
90	82.0	91.0	.0	89.0	.8000	1425.0	.0
91	83.0	92.0	.0	90.0	.8000	1426.0	.0
92	84.0	93.0	.0	91.0	.8000	1427.0	.0
93	85.0	94.0	.0	92.0	.8000	1428.0	.0
94	86.0	95.0	.0	93.0	.8000	1428.0	.0
95	87.0	96.0	.0	94.0	.8000	1428.0	.0
96	88.0	.0	.0	95.0	.8000	1430.0	.0

NUMBER OF BOUNDARY CONDITION NODAL POINTS = 4

BOUNDARY CONDITION NODE NUMBERS:

8 32 48 64

NUMBER OF HYDROGRAPH RATE ENTRIES = 18

LINEAR FUCTION IN FLOWRATE(CFS) IN GRID ELEMENT:

HOUR	FLOWRATE/EACH BC NODE									
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12.0	.0	47.5	67.3	54.5	.0	.0	.0	.0	.0	.0
12.2	50.0	151.0	131.7	84.7	.0	.0	.0	.0	.0	.0
12.3	152.7	191.3	195.1	108.1	.0	.0	.0	.0	.0	.0
12.5	264.0	215.2	252.4	125.0	.0	.0	.0	.0	.0	.0
12.6	363.0	198.7	299.3	122.8	.0	.0	.0	.0	.0	.0
12.8	420.9	113.4	315.0	82.6	.0	.0	.0	.0	.0	.0
13.0	414.8	42.2	274.5	39.4	.0	.0	.0	.0	.0	.0
13.1	356.4	11.9	222.8	15.5	.0	.0	.0	.0	.0	.0
13.3	276.3	.0	178.1	3.4	.0	.0	.0	.0	.0	.0
13.4	195.0	.0	137.5	.0	.0	.0	.0	.0	.0	.0
13.6	126.7	.0	107.4	.0	.0	.0	.0	.0	.0	.0
13.8	76.2	.0	81.6	.0	.0	.0	.0	.0	.0	.0
13.9	38.4	.0	58.5	.0	.0	.0	.0	.0	.0	.0
14.1	9.3	.0	39.8	.0	.0	.0	.0	.0	.0	.0
14.2	.0	.0	23.5	.0	.0	.0	.0	.0	.0	.0
14.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

NUMBER OF CRITICAL-DEPTH OUTFLOW NODES = 16

CRITICAL-DEPTH OUTFLOW NODE NUMBERS:

25 33 41 49 57 65 73 81 89 90

91 92 93 94 95 96

UNIFORM EFFECTIVE RAINFALL ON DOMAIN AS LINEAR FU BETWEEN POINTS

HOUR	RAINFALL (IN/HR)
.00	.00
1.00	.02
2.00	.02
3.00	.02
4.00	.02
9.00	.02
10.00	.06
11.00	.07
12.00	.81
13.00	.81
14.00	.07
15.00	.06
16.00	.02
17.00	.02
18.00	.02
19.00	.02
20.00	.02
21.00	.02
24.00	.02
25.00	.00

MODEL TIME(HOURS) = 13.0002 INFLOW(CFS/LF) = .0506

1 N = .8000PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.126	1447.126	-.014	-.019	.023	.008	.003	-1.155	-1.571
2	.109	1450.109	-.006	-.018	.019	.006	.002	-.467	-1.264
3	.131	1449.131	-.007	-.016	.018	.006	.002	-.623	-1.421
4	.122	1452.122	-.034	-.019	.039	.014	.005	-2.754	-1.557
5	.145	1455.145	-.044	-.025	.051	.016	.007	-4.237	-2.389
6	.249	1458.249	-.056	-.026	.062	.015	.015	-9.216	-4.322
7	.400	1461.400	-.206	-.051	.212	.036	.085	-54.327	-13.431
8	1.728	1464.728	-.042	-.075	.086	.008	.149	-47.906	-85.545
9	.133	1443.133	-.015	-.040	.043	.013	.006	-1.292	-3.538
10	.118	1446.118	-.018	-.039	.043	.015	.005	-1.388	-3.044
11	.134	1446.134	-.015	-.031	.034	.011	.005	-1.288	-2.735
12	.136	1448.136	-.036	-.033	.048	.016	.007	-3.189	-2.927
13	.189	1451.188	-.064	-.030	.071	.019	.013	-7.935	-3.749
14	.344	1456.344	-.076	-.037	.084	.017	.029	-17.210	-8.300
15	.651	1458.651	-.071	-.054	.090	.014	.058	-30.674	-23.367
16	.979	1459.979	-.030	-.155	.158	.016	.154	-19.402	-99.894
17	.144	1438.144	-.013	-.021	.024	.008	.003	-1.210	-1.967
18	.129	1440.129	-.029	-.042	.051	.017	.007	-2.473	-3.566
19	.119	1443.119	-.029	-.050	.058	.020	.007	-2.262	-3.946
20	.124	1445.124	-.012	-.040	.042	.013	.005	-.999	-3.251
21	.100	1449.100	.000	-.021	.021	.006	.002	.000	-1.361
22	.100	1452.100	-.011	-.060	.061	.020	.006	-.731	-3.978
23	.101	1454.101	-.011	-.348	.348	.099	.035	-.731	-23.239
24	.101	1457.101	.000	-.215	.215	.059	.022	.000	-14.349
25	.017	1435.017	.000	.000	.000	.000	.000	.000	.000
26	.151	1436.151	-.027	-.036	.045	.014	.007	-2.711	-3.553
27	.237	1439.237	-.061	-.032	.069	.017	.016	-9.621	-5.072
28	.347	1444.347	-.075	-.038	.084	.017	.029	-17.083	-8.721
29	.594	1446.594	-.092	-.044	.102	.016	.061	-36.130	-17.283
30	1.224	1448.224	-.103	-.035	.108	.011	.132	-82.797	-28.053
31	1.031	1452.031	-.168	-.050	.175	.019	.181	-114.312	-33.794
32	1.535	1454.535	-.057	-.032	.065	.006	.100	-57.470	-32.265
33	.017	1430.017	.000	.000	.000	.000	.000	.000	.000
34	.152	1433.152	-.023	-.019	.030	.010	.005	-2.311	-1.910
35	.174	1437.174	-.063	-.034	.072	.021	.012	-7.228	-3.926
36	.333	1441.333	-.067	-.057	.088	.019	.029	-14.803	-12.490
37	.592	1443.592	-.050	-.081	.095	.015	.056	-19.638	-31.436
38	.390	1445.390	-.057	-.190	.199	.035	.078	-14.784	-49.049
39	.188	1448.188	-.085	-.344	.355	.087	.067	-10.581	-42.709
40	.355	1452.355	-.024	-.313	.314	.050	.111	-5.549	-73.365
41	.017	1427.017	.000	.000	.000	.000	.000	.000	.000
42	.125	1433.125	-.013	-.022	.026	.009	.003	-1.106	-1.838
43	.132	1435.132	-.034	-.041	.054	.018	.007	-3.004	-3.595
44	.220	1437.220	-.060	-.080	.100	.026	.022	-8.734	-11.578
45	.447	1440.447	-.103	-.133	.168	.031	.075	-30.406	-39.259
46	1.046	1443.046	-.125	-.109	.166	.020	.173	-86.200	-75.298
47	1.432	1446.432	-.164	-.053	.172	.016	.246	-154.659	-50.393
48	1.716	1449.717	-.081	-.103	.131	.012	.225	-92.029	-116.583
49	.017	1427.017	.000	.000	.000	.000	.000	.000	.000
50	.171	1430.171	-.028	-.047	.055	.016	.009	-3.166	-5.320
51	.254	1433.254	-.063	-.097	.115	.028	.029	-10.563	-16.168
52	.521	1435.521	-.106	-.110	.153	.026	.080	-36.553	-37.971
53	1.166	1438.166	-.108	-.080	.135	.015	.157	-83.257	-61.789

54	1.403	1440.403	-.085	-.080	.117	.012	.164	-78.800	-73.871
55	.112	1443.112	-.435	-.522	.680	.252	.076	-32.247	-38.690
56	.755	1444.755	-.015	-.240	.240	.026	.181	-7.547	-119.440
57	.020	1425.020	-.128	.000	.128	.079	.003	-1.699	.000
58	.302	1427.302	-.101	-.036	.107	.022	.032	-20.080	-7.162
59	.870	1430.870	-.112	-.062	.128	.016	.111	-64.261	-35.584
60	1.378	1433.378	-.100	-.076	.126	.013	.173	-90.713	-69.482
61	.848	1435.848	-.114	-.092	.146	.020	.124	-63.625	-51.282
62	.343	1439.343	-.137	-.134	.191	.041	.066	-31.063	-30.247
63	.845	1440.845	-.095	-.090	.131	.018	.110	-52.837	-50.260
64	1.512	1442.512	-.041	-.089	.098	.009	.148	-40.565	-88.818
65	.018	1423.018	-.080	.000	.080	.052	.001	-.946	.000
66	.211	1425.211	-.077	-.028	.082	.020	.017	-10.761	-3.873
67	.607	1428.607	-.101	-.062	.118	.018	.072	-40.367	-24.950
68	1.005	1432.005	-.082	-.088	.120	.015	.121	-54.599	-58.264
69	.520	1434.520	-.106	-.077	.131	.022	.068	-36.385	-26.311
70	.567	1436.567	-.097	-.072	.121	.020	.069	-36.480	-26.806
71	1.179	1438.179	-.061	-.102	.119	.013	.141	-47.778	-79.513
72	.608	1439.608	-.059	-.173	.182	.026	.111	-23.636	-69.260
73	.017	1422.017	.000	.000	.000	.000	.000	.000	.000
74	.150	1425.150	-.029	-.004	.029	.008	.004	-2.821	-.436
75	.248	1428.248	-.083	-.033	.089	.020	.022	-13.529	-5.372
76	.700	1430.700	-.055	-.071	.089	.013	.063	-25.362	-32.598
77	.543	1432.543	-.066	-.093	.114	.019	.062	-23.794	-33.181
78	.572	1433.572	-.055	-.096	.111	.018	.063	-20.820	-36.184
79	.689	1434.689	-.057	-.171	.180	.024	.124	-25.723	-77.641
80	.744	1435.744	-.029	-.069	.075	.010	.055	-14.044	-33.782
81	.017	1422.017	.000	.000	.000	.000	.000	.000	.000
82	.138	1425.138	-.018	-.001	.018	.005	.003	-1.683	-.099
83	.192	1427.192	-.070	-.020	.073	.018	.014	-8.875	-2.539
84	.564	1429.564	-.082	-.045	.094	.015	.053	-30.637	-16.708
85	1.159	1431.159	-.063	-.052	.082	.009	.095	-48.397	-39.663
86	1.003	1432.003	-.066	-.055	.086	.011	.086	-43.731	-36.312
87	1.359	1432.359	-.035	-.074	.081	.008	.111	-31.167	-65.964
88	.111	1433.111	-.169	-.128	.211	.078	.024	-12.388	-9.384
89	.017	1424.017	.000	.000	.000	.000	.000	.000	.000
90	.017	1425.017	.000	.000	.000	.000	.000	.000	.000
91	.017	1426.017	.000	-.052	.052	.035	.000	.000	-.593
92	.027	1427.027	.000	-.279	.279	.150	.007	.000	-4.937
93	.051	1428.051	.000	-.536	.536	.208	.028	.000	-18.194
94	.049	1428.049	.000	-.503	.503	.200	.025	.000	-16.254
95	.066	1428.066	.000	-.644	.644	.221	.043	.000	-28.091
96	.017	1430.017	.000	.000	.000	.000	.000	.000	.000

NODE	DEPTH	ELEVATION	TIME
1	.150	1447.150	13.760
2	.110	1450.110	13.195
3	.172	1449.172	13.930
4	.133	1452.133	13.530
5	.160	1455.160	13.590
6	.321	1458.322	14.175
7	.682	1461.682	13.730
8	1.844	1464.844	13.205
9	.180	1443.180	14.130
10	.127	1446.127	13.480
11	.411	1446.411	18.735
12	.413	1448.412	17.280
13	.728	1451.728	16.275

14	.701	1456.701	15.080
15	1.168	1459.168	14.420
16	1.533	1460.533	13.845
17	.397	1438.397	16.145
18	.155	1440.155	13.755
19	.177	1443.177	21.094
20	.422	1445.422	19.745
21	.101	1449.101	16.165
22	.102	1452.102	15.910
23	.883	1454.883	16.245
24	.327	1457.327	14.750
25	.017	1435.017	13.410
26	.280	1436.280	15.005
27	.509	1439.509	18.935
28	.354	1444.354	13.370
29	.685	1446.685	15.955
30	1.310	1448.310	13.670
31	1.032	1452.032	12.950
32	1.702	1454.702	12.690
33	.035	1430.035	17.735
34	.864	1433.864	17.525
35	.344	1437.344	15.145
36	.552	1441.552	18.935
37	.866	1443.866	17.875
38	.492	1445.492	17.310
39	.192	1448.192	13.150
40	.381	1452.381	12.705
41	.027	1427.027	20.620
42	.566	1433.566	20.455
43	.474	1435.474	17.420
44	.569	1437.569	20.325
45	.571	1440.571	14.305
46	1.180	1443.180	13.940
47	1.562	1446.562	13.495
48	1.719	1449.719	13.035
49	.017	1427.017	13.230
50	.303	1430.303	23.994
51	.267	1433.266	12.610
52	.844	1435.844	15.675
53	1.501	1438.501	14.790
54	1.560	1440.560	14.410
55	.341	1443.341	6.600
56	.962	1444.962	13.735
57	.027	1425.027	14.830
58	.737	1427.737	14.695
59	1.048	1431.048	17.030
60	1.607	1433.607	16.015
61	1.067	1436.067	15.175
62	.418	1439.418	9.415
63	.849	1440.849	13.150
64	1.554	1442.554	12.780
65	.097	1423.097	18.210
66	2.111	1427.111	18.140
67	1.355	1429.355	14.465
68	1.088	1432.088	16.875
69	.617	1434.617	15.805
70	.706	1436.706	14.380
71	1.188	1438.188	13.295
72	.711	1439.711	4.890
73	.080	1422.080	18.055

74	1.705	1426.704	18.020
75	.718	1428.718	14.945
76	.826	1430.826	13.840
77	.691	1432.691	11.625
78	.993	1433.993	9.595
79	1.026	1435.026	8.000
80	.771	1435.771	13.615
81	.068	1422.068	18.325
82	1.499	1426.499	18.225
83	1.022	1428.022	15.985
84	1.033	1430.033	14.760
85	1.193	1431.193	13.500
86	1.068	1432.068	15.475
87	1.447	1432.447	14.020
88	.220	1433.220	7.975
89	.017	1424.017	13.000
90	.047	1425.047	18.340
91	.034	1426.034	16.100
92	.040	1427.040	14.870
93	.052	1428.052	13.190
94	.049	1428.049	13.015
95	.067	1428.067	13.450
96	.017	1430.017	13.000

Future Conditions
500YR.Q 10-19-87
No Detention 500YR.DIF

TIMESTEP(HOUR) = .00500
NUMBER OF TIMESTEPS = 4800
OUTPUT INTERVAL(TIMESTEPS) = 2600
NUMBER OF NODAL POINTS = 96
UNIFORM GRID SIDE(FEET) = 660.00

NODAL POINT DATA ENTRY:

NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS FRICTION FACTOR
ELEV = NODAL POINT ELEVATION
DEPTH = WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV	DEPTH
1	.0	2.0	9.0	.0	.8000	1447.0	.0
2	.0	3.0	10.0	1.0	.8000	1450.0	.0
3	.0	4.0	11.0	2.0	.8000	1449.0	.0
4	.0	5.0	12.0	3.0	.8000	1452.0	.0
5	.0	6.0	13.0	4.0	.8000	1455.0	.0
6	.0	7.0	14.0	5.0	.8000	1458.0	.0
7	.0	8.0	15.0	6.0	.8000	1461.0	.0
8	.0	.0	16.0	7.0	.8000	1463.0	.0
9	1.0	10.0	17.0	.0	.8000	1443.0	.0
10	2.0	11.0	18.0	9.0	.8000	1446.0	.0
11	3.0	12.0	19.0	10.0	.8000	1446.0	.0
12	4.0	13.0	20.0	11.0	.8000	1448.0	.0
13	5.0	14.0	21.0	12.0	.8000	1451.0	.0
14	6.0	15.0	22.0	13.0	.8000	1456.0	.0
15	7.0	16.0	23.0	14.0	.8000	1458.0	.0
16	8.0	.0	24.0	15.0	.8000	1459.0	.0
17	9.0	18.0	25.0	.0	.8000	1438.0	.0
18	10.0	19.0	26.0	17.0	.8000	1440.0	.0
19	11.0	20.0	27.0	18.0	.8000	1443.0	.0
20	12.0	21.0	28.0	19.0	.8000	1445.0	.0
21	13.0	22.0	29.0	20.0	.8000	1449.0	.0
22	14.0	23.0	30.0	21.0	.8000	1452.0	.0
23	15.0	24.0	31.0	22.0	.8000	1454.0	.0
24	16.0	.0	32.0	23.0	.8000	1457.0	.0
25	17.0	26.0	33.0	.0	.8000	1435.0	.0
26	18.0	27.0	34.0	25.0	.8000	1436.0	.0
27	19.0	28.0	35.0	26.0	.8000	1439.0	.0
28	20.0	29.0	36.0	27.0	.8000	1444.0	.0
29	21.0	30.0	37.0	28.0	.8000	1446.0	.0
30	22.0	31.0	38.0	29.0	.8000	1447.0	.0
31	23.0	32.0	39.0	30.0	.8000	1451.0	.0
32	24.0	.0	40.0	31.0	.8000	1453.0	.0
33	25.0	34.0	41.0	.0	.8000	1430.0	.0
34	26.0	35.0	42.0	33.0	.8000	1433.0	.0
35	27.0	36.0	43.0	34.0	.8000	1437.0	.0
36	28.0	37.0	44.0	35.0	.8000	1441.0	.0
37	29.0	38.0	45.0	36.0	.8000	1443.0	.0
38	30.0	39.0	46.0	37.0	.8000	1445.0	.0
39	31.0	40.0	47.0	38.0	.8000	1448.0	.0
40	32.0	.0	48.0	39.0	.8000	1452.0	.0
41	33.0	42.0	49.0	.0	.8000	1427.0	.0
42	34.0	43.0	50.0	41.0	.8000	1433.0	.0
43	35.0	44.0	51.0	42.0	.8000	1435.0	.0

44	36.0	45.0	52.0	43.0	.8000	1437.0	.0
45	37.0	46.0	53.0	44.0	.8000	1440.0	.0
46	38.0	47.0	54.0	45.0	.8000	1442.0	.0
47	39.0	48.0	55.0	46.0	.8000	1445.0	.0
48	40.0	.0	56.0	47.0	.8000	1448.0	.0
49	41.0	50.0	57.0	.0	.8000	1427.0	.0
50	42.0	51.0	58.0	49.0	.8000	1430.0	.0
51	43.0	52.0	59.0	50.0	.8000	1433.0	.0
52	44.0	53.0	60.0	51.0	.8000	1435.0	.0
53	45.0	54.0	61.0	52.0	.8000	1437.0	.0
54	46.0	55.0	62.0	53.0	.8000	1439.0	.0
55	47.0	56.0	63.0	54.0	.8000	1443.0	.0
56	48.0	.0	64.0	55.0	.8000	1444.0	.0
57	49.0	58.0	65.0	.0	.8000	1425.0	.0
58	50.0	59.0	66.0	57.0	.8000	1427.0	.0
59	51.0	60.0	67.0	58.0	.8000	1430.0	.0
60	52.0	61.0	68.0	59.0	.8000	1432.0	.0
61	53.0	62.0	69.0	60.0	.8000	1435.0	.0
62	54.0	63.0	70.0	61.0	.8000	1439.0	.0
63	55.0	64.0	71.0	62.0	.8000	1440.0	.0
64	56.0	.0	72.0	63.0	.8000	1441.0	.0
65	57.0	66.0	73.0	.0	.8000	1423.0	.0
66	58.0	67.0	74.0	65.0	.8000	1425.0	.0
67	59.0	68.0	75.0	66.0	.8000	1428.0	.0
68	60.0	69.0	76.0	67.0	.8000	1431.0	.0
69	61.0	70.0	77.0	68.0	.8000	1434.0	.0
70	62.0	71.0	78.0	69.0	.8000	1436.0	.0
71	63.0	72.0	79.0	70.0	.8000	1437.0	.0
72	64.0	.0	80.0	71.0	.8000	1439.0	.0
73	65.0	74.0	81.0	.0	.8000	1422.0	.0
74	66.0	75.0	82.0	73.0	.8000	1425.0	.0
75	67.0	76.0	83.0	74.0	.8000	1428.0	.0
76	68.0	77.0	84.0	75.0	.8000	1430.0	.0
77	69.0	78.0	85.0	76.0	.8000	1432.0	.0
78	70.0	79.0	86.0	77.0	.8000	1433.0	.0
79	71.0	80.0	87.0	78.0	.8000	1434.0	.0
80	72.0	.0	88.0	79.0	.8000	1435.0	.0
81	73.0	82.0	89.0	.0	.8000	1422.0	.0
82	74.0	83.0	90.0	81.0	.8000	1425.0	.0
83	75.0	84.0	91.0	82.0	.8000	1427.0	.0
84	76.0	85.0	92.0	83.0	.8000	1429.0	.0
85	77.0	86.0	93.0	84.0	.8000	1430.0	.0
86	78.0	87.0	94.0	85.0	.8000	1431.0	.0
87	79.0	88.0	95.0	86.0	.8000	1431.0	.0
88	80.0	.0	96.0	87.0	.8000	1433.0	.0
89	81.0	90.0	.0	.0	.8000	1424.0	.0
90	82.0	91.0	.0	89.0	.8000	1425.0	.0
91	83.0	92.0	.0	90.0	.8000	1426.0	.0
92	84.0	93.0	.0	91.0	.8000	1427.0	.0
93	85.0	94.0	.0	92.0	.8000	1428.0	.0
94	86.0	95.0	.0	93.0	.8000	1428.0	.0
95	87.0	96.0	.0	94.0	.8000	1428.0	.0
96	88.0	.0	.0	95.0	.8000	1430.0	.0

NUMBER OF BOUNDARY CONDITION NODAL POINTS = 4

BOUNDARY CONDITION NODE NUMBERS:

8 32 48 64

NUMBER OF HYDROGRAPH RATE ENTRIES = 18

LINEAR FUCTION IN FLOWRATE(CFS) IN GRID ELEMENT:

HOUR	FLOWRATE/EACH BC NODE									
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12.0	28.6	157.3	119.9	93.7	.0	.0	.0	.0	.0	.0
12.2	152.9	238.6	213.1	132.7	.0	.0	.0	.0	.0	.0
12.3	305.1	277.9	300.4	161.1	.0	.0	.0	.0	.0	.0
12.5	462.8	304.0	377.5	180.4	.0	.0	.0	.0	.0	.0
12.6	595.9	278.0	439.5	174.4	.0	.0	.0	.0	.0	.0
12.8	667.4	162.8	456.6	118.8	.0	.0	.0	.0	.0	.0
13.0	650.0	67.6	394.6	60.1	.0	.0	.0	.0	.0	.0
13.1	559.9	27.0	319.6	27.7	.0	.0	.0	.0	.0	.0
13.3	435.2	6.1	259.2	11.3	.0	.0	.0	.0	.0	.0
13.4	311.7	.0	203.8	2.3	.0	.0	.0	.0	.0	.0
13.6	212.3	.0	156.9	.0	.0	.0	.0	.0	.0	.0
13.8	140.1	.0	117.8	.0	.0	.0	.0	.0	.0	.0
13.9	86.8	.0	84.7	.0	.0	.0	.0	.0	.0	.0
14.1	46.5	.0	59.2	.0	.0	.0	.0	.0	.0	.0
14.2	16.4	.0	40.6	.0	.0	.0	.0	.0	.0	.0
14.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

NUMBER OF CRITICAL-DEPTH OUTFLOW NODES = 16

CRITICAL-DEPTH OUTFLOW NODE NUMBERS:

25 33 41 49 57 65 73 81 89 90

91 92 93 94 95 96

UNIFORM EFFECTIVE RAINFALL ON DOMAIN AS LINEAR FU BETWEEN POINTS

HOUR	RAINFALL (IN/HR)
.00	.00
1.00	.03
2.00	.03
3.00	.03
4.00	.03
9.00	.03
10.00	.09
11.00	.10
12.00	1.13
13.00	1.13
14.00	.10
15.00	.09
16.00	.03
17.00	.03
18.00	.03
19.00	.03
20.00	.03
21.00	.03
24.00	.03
25.00	.00

MODEL TIME(HOURS) = 13.0002 INFLOW(CFS/LF) = .0787

1 N = .8000PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.171	1447.171	-.015	-.024	.029	.008	.005	-1.742	-2.765
2	.130	1450.130	-.009	-.022	.023	.007	.003	-.745	-1.843
3	.172	1449.172	.009	-.031	.033	.005	.006	.997	-3.574
4	.100	1452.100	.000	.000	.000	.000	.000	.000	.000
5	.101	1455.100	-.023	.000	.023	.006	.002	-1.520	.000
6	.175	1458.175	-.103	-.054	.116	.033	.020	-11.808	-6.172
7	.661	1461.661	-.239	-.076	.251	.034	.166	-104.424	-33.189
8	2.412	1465.412	-.059	-.112	.127	.010	.306	-94.135	-178.840
9	.192	1443.192	-.017	-.052	.055	.014	.011	-2.212	-6.638
10	.155	1446.155	-.029	-.045	.053	.016	.008	-2.951	-4.582
11	.296	1446.296	-.056	-.036	.066	.015	.020	-10.861	-6.997
12	.633	1448.633	-.088	-.029	.093	.013	.059	-36.921	-12.171
13	.874	1451.874	-.101	-.023	.103	.012	.090	-58.080	-13.286
14	.602	1456.602	-.161	-.038	.165	.023	.099	-63.848	-15.041
15	1.209	1459.209	-.118	-.088	.147	.016	.177	-93.887	-69.897
16	1.843	1460.843	-.050	-.183	.190	.015	.350	-61.321	-222.894
17	.225	1438.225	-.015	-.035	.038	.009	.009	-2.159	-5.206
18	.165	1440.165	-.037	-.065	.075	.022	.012	-4.025	-7.060
19	.148	1443.148	-.048	-.096	.108	.033	.016	-4.736	-9.450
20	.299	1445.299	-.036	-.082	.090	.019	.027	-7.044	-16.292
21	.170	1449.170	-.050	-.243	.248	.063	.042	-5.638	-27.271
22	.100	1452.100	-.079	-.665	.670	.208	.067	-5.218	-43.877
23	.413	1454.413	-.029	-.234	.236	.036	.097	-7.939	-63.729
24	.112	1457.112	-.057	-1.095	1.097	.304	.122	-4.185	-80.738
25	.026	1435.026	-.081	-.076	.112	.086	.003	-1.419	-1.333
26	.315	1436.315	-.047	-.057	.074	.016	.023	-9.794	-11.791
27	.444	1439.444	-.074	-.054	.092	.017	.041	-21.748	-15.899
28	.430	1444.430	-.122	-.057	.134	.024	.058	-34.543	-16.174
29	.977	1446.977	-.107	-.086	.137	.017	.134	-68.967	-55.702
30	1.634	1448.634	-.125	-.085	.151	.014	.247	-135.108	-91.638
31	1.314	1452.314	-.201	-.075	.215	.021	.282	-174.417	-64.634
32	1.935	1454.935	-.068	-.071	.098	.009	.190	-87.107	-90.085
33	.028	1430.028	-.190	.000	.190	.101	.005	-3.472	.000
34	.411	1433.411	-.063	-.033	.071	.013	.029	-17.091	-8.944
35	.526	1437.526	-.087	-.068	.111	.019	.058	-30.241	-23.599
36	.536	1441.536	-.120	-.107	.161	.027	.086	-42.300	-37.969
37	1.050	1444.050	-.079	-.118	.142	.017	.149	-54.576	-81.529
38	.836	1445.836	-.085	-.187	.206	.026	.172	-46.989	-103.270
39	.436	1448.436	-.115	-.261	.285	.050	.124	-33.194	-75.074
40	.556	1452.557	-.041	-.312	.314	.042	.175	-15.102	-114.485
41	.026	1427.026	-.143	.000	.143	.078	.004	-2.435	.000
42	.269	1433.269	-.072	-.023	.076	.016	.020	-12.823	-4.010
43	.668	1435.668	-.077	-.057	.096	.014	.064	-33.803	-25.191
44	.891	1437.891	-.097	-.099	.139	.018	.123	-56.812	-58.424
45	.874	1440.874	-.145	-.161	.217	.029	.189	-83.684	-92.865
46	1.476	1443.476	-.156	-.138	.209	.021	.308	-152.185	-134.891
47	1.847	1446.847	-.196	-.071	.208	.017	.384	-238.481	-85.951
48	2.139	1450.139	-.097	-.132	.163	.014	.349	-136.583	-185.736
49	.021	1427.021	.000	.000	.000	.000	.000	.000	.000
50	.101	1430.101	-.050	-.206	.212	.071	.021	-3.361	-13.730
51	.334	1433.334	-.125	-.156	.200	.043	.067	-27.656	-34.328
52	1.150	1436.150	-.121	-.139	.184	.021	.212	-91.883	-105.250
53	1.679	1438.679	-.139	-.111	.178	.017	.299	-153.862	-123.430

54	1.782	1440.782	-.106	-.104	.148	.014	.264	-124.318	-122.213
55	.240	1443.240	-.362	-.431	.563	.143	.135	-57.361	-68.387
56	1.204	1445.203	-.024	-.252	.253	.022	.305	-19.317	-200.333
57	.043	1425.043	-.405	.000	.405	.172	.018	-11.555	.000
58	.903	1427.903	-.100	-.087	.133	.017	.120	-59.781	-51.648
59	1.227	1431.227	-.162	-.092	.187	.020	.229	-131.570	-74.379
60	1.921	1433.921	-.128	-.110	.168	.015	.324	-162.214	-138.947
61	1.257	1436.257	-.138	-.122	.184	.020	.231	-114.587	-101.016
62	.529	1439.529	-.173	-.158	.234	.040	.124	-60.281	-55.122
63	1.212	1441.212	-.113	-.103	.153	.017	.185	-90.516	-82.401
64	1.919	1442.919	-.052	-.117	.128	.011	.245	-65.952	-147.858
65	.114	1423.114	-.894	.000	.894	.234	.102	-67.176	.000
66	2.309	1427.309	-.109	-.066	.128	.010	.294	-166.529	-100.185
67	1.442	1429.442	-.172	-.078	.189	.018	.273	-164.082	-74.558
68	1.235	1432.235	-.129	-.117	.174	.020	.215	-105.399	-95.325
69	.835	1434.835	-.120	-.085	.147	.020	.123	-66.334	-46.925
70	.857	1436.857	-.110	-.101	.149	.020	.128	-62.003	-57.306
71	1.403	1438.403	-.077	-.132	.153	.016	.215	-71.493	-122.335
72	.854	1439.854	-.062	-.202	.212	.025	.181	-35.154	-114.018
73	.083	1422.083	-.757	.000	.757	.232	.063	-41.346	.000
74	1.681	1426.681	-.084	-.083	.118	.011	.198	-93.034	-91.853
75	.843	1428.843	-.135	-.077	.156	.020	.131	-75.237	-42.683
76	.783	1430.783	-.069	-.091	.114	.016	.090	-35.778	-47.024
77	.382	1432.382	-.116	-.138	.180	.036	.069	-29.090	-34.719
78	1.020	1434.020	-.061	-.115	.130	.015	.133	-40.972	-77.323
79	1.004	1435.004	-.073	-.182	.197	.022	.197	-48.555	-120.787
80	1.018	1436.018	-.036	-.090	.097	.011	.098	-24.443	-60.192
81	.043	1422.043	-.468	.000	.468	.200	.020	-13.145	.000
82	.896	1425.896	-.098	-.065	.117	.015	.105	-57.753	-38.213
83	1.336	1428.336	-.102	-.045	.111	.011	.149	-90.019	-39.315
84	1.132	1430.132	-.108	-.048	.118	.013	.133	-80.611	-35.496
85	1.287	1431.287	-.088	-.048	.100	.011	.129	-74.950	-40.603
86	1.368	1432.368	-.078	-.077	.110	.012	.150	-70.532	-69.658
87	1.748	1432.748	-.041	-.092	.100	.009	.175	-47.357	-105.635
88	.241	1433.241	-.104	-.125	.163	.041	.039	-16.577	-19.815
89	.021	1424.021	.000	.000	.000	.000	.000	.000	.000
90	.031	1425.031	.000	-.296	.296	.148	.009	.000	-6.090
91	.056	1426.056	.000	-.530	.530	.197	.030	.000	-19.676
92	.057	1427.057	.000	-.470	.470	.174	.027	.000	-17.593
93	.060	1428.060	.000	-.558	.558	.200	.034	.000	-22.169
94	.069	1428.069	.000	-.628	.628	.211	.043	.000	-28.478
95	.089	1428.089	.000	-.757	.757	.223	.068	.000	-44.679
96	.024	1430.024	.000	-.092	.092	.052	.002	.000	-1.467

NODE	DEPTH	ELEVATION	TIME
1	.199	1447.199	13.715
2	.131	1450.131	13.160
3	.186	1449.186	13.405
4	.102	1452.102	12.360
5	.101	1455.101	12.810
6	.351	1458.351	14.190
7	.988	1461.988	13.565
8	2.448	1465.448	13.100
9	.250	1443.250	13.945
10	.171	1446.171	13.635
11	.645	1446.645	14.960
12	.722	1448.722	13.705
13	.984	1451.984	15.135

14	.886	1456.886	14.460
15	1.690	1459.690	13.880
16	2.255	1461.255	13.525
17	.684	1438.684	16.015
18	.180	1440.180	13.505
19	.437	1443.437	16.270
20	.733	1445.733	16.105
21	.173	1449.172	13.170
22	.205	1452.205	15.375
23	1.470	1455.470	14.970
24	.527	1457.527	14.200
25	.029	1435.029	17.630
26	.397	1436.397	13.960
27	1.121	1440.121	17.540
28	.481	1444.481	14.325
29	.994	1446.994	13.415
30	1.712	1448.712	15.635
31	1.317	1452.317	12.920
32	2.174	1455.174	12.660
33	.059	1430.059	18.435
34	1.334	1434.334	18.350
35	.537	1437.537	13.280
36	.654	1441.654	17.150
37	1.190	1444.190	16.905
38	.934	1445.934	16.460
39	.439	1448.439	13.100
40	.610	1452.610	12.600
41	.043	1427.043	16.545
42	.867	1433.867	16.425
43	.909	1435.909	14.325
44	1.005	1438.005	18.120
45	1.003	1441.003	14.045
46	1.594	1443.594	13.635
47	1.929	1446.929	13.315
48	2.140	1450.140	12.975
49	.021	1427.021	12.995
50	.490	1430.490	21.279
51	.818	1433.818	15.505
52	1.260	1436.260	14.615
53	1.857	1438.857	14.480
54	1.989	1440.989	14.135
55	.550	1443.550	4.725
56	1.368	1445.368	13.505
57	.062	1425.062	16.810
58	1.476	1428.476	16.715
59	1.457	1431.457	15.495
60	2.008	1434.008	15.095
61	1.382	1436.382	14.925
62	.632	1439.632	6.780
63	1.217	1441.217	13.135
64	1.998	1442.998	12.735
65	.141	1423.141	16.665
66	2.826	1427.826	16.605
67	1.666	1429.666	11.475
68	1.426	1432.426	14.500
69	.849	1434.849	13.370
70	.951	1436.951	6.580
71	1.432	1438.432	13.440
72	.938	1439.938	3.910
73	.118	1422.118	16.875

74	2.314	1427.314	16.810
75	1.064	1429.064	12.075
76	1.099	1431.099	15.890
77	.973	1432.973	9.055
78	1.294	1434.294	7.615
79	1.293	1435.293	6.355
80	1.034	1436.034	13.375
81	.098	1422.098	17.085
82	1.993	1426.993	17.010
83	1.343	1428.343	13.135
84	1.289	1430.289	16.380
85	1.398	1431.398	14.845
86	1.469	1432.469	14.440
87	1.826	1432.826	14.140
88	.291	1433.291	13.915
89	.021	1424.021	12.995
90	.070	1425.070	17.095
91	.057	1426.057	13.085
92	.057	1427.057	12.200
93	.060	1428.060	13.085
94	.069	1428.069	13.260
95	.090	1428.090	13.280
96	.024	1430.024	13.025

Future Conditions
10 YR Q 10-18-39
W/ Detention 10YRDET.DIF

TIMESTEP(HOUR) = .00500
NUMBER OF TIMESTEPS = 4800
OUTPUT INTERVAL(TIMESTEPS) = 2600
NUMBER OF NODAL POINTS = 96
UNIFORM GRID SIDE(FEET) = 660.00

NODAL POINT DATA ENTRY:

NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS FRICTION FACTOR
ELEV = NODAL POINT ELEVATION
DEPTH = WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV	DEPTH
1	.0	2.0	9.0	.0	.8000	1447.0	.0
2	.0	3.0	10.0	1.0	.8000	1450.0	.0
3	.0	4.0	11.0	2.0	.8000	1449.0	.0
4	.0	5.0	12.0	3.0	.8000	1452.0	.0
5	.0	6.0	13.0	4.0	.8000	1455.0	.0
6	.0	7.0	14.0	5.0	.8000	1458.0	.0
7	.0	8.0	15.0	6.0	.8000	1461.0	.0
8	.0	.0	16.0	7.0	.8000	1463.0	.0
9	1.0	10.0	17.0	.0	.8000	1443.0	.0
10	2.0	11.0	18.0	9.0	.8000	1446.0	.0
11	3.0	12.0	19.0	10.0	.8000	1446.0	.0
12	4.0	13.0	20.0	11.0	.8000	1448.0	.0
13	5.0	14.0	21.0	12.0	.8000	1451.0	.0
14	6.0	15.0	22.0	13.0	.8000	1456.0	.0
15	7.0	16.0	23.0	14.0	.8000	1458.0	.0
16	8.0	.0	24.0	15.0	.8000	1459.0	.0
17	9.0	18.0	25.0	.0	.8000	1438.0	.0
18	10.0	19.0	26.0	17.0	.8000	1440.0	.0
19	11.0	20.0	27.0	18.0	.8000	1443.0	.0
20	12.0	21.0	28.0	19.0	.8000	1445.0	.0
21	13.0	22.0	29.0	20.0	.8000	1449.0	.0
22	14.0	23.0	30.0	21.0	.8000	1452.0	.0
23	15.0	24.0	31.0	22.0	.8000	1454.0	.0
24	16.0	.0	32.0	23.0	.8000	1457.0	.0
25	17.0	26.0	33.0	.0	.8000	1435.0	.0
26	18.0	27.0	34.0	25.0	.8000	1436.0	.0
27	19.0	28.0	35.0	26.0	.8000	1439.0	.0
28	20.0	29.0	36.0	27.0	.8000	1444.0	.0
29	21.0	30.0	37.0	28.0	.8000	1446.0	.0
30	22.0	31.0	38.0	29.0	.8000	1447.0	.0
31	23.0	32.0	39.0	30.0	.8000	1451.0	.0
32	24.0	.0	40.0	31.0	.8000	1453.0	.0
33	25.0	34.0	41.0	.0	.8000	1430.0	.0
34	26.0	35.0	42.0	33.0	.8000	1433.0	.0
35	27.0	36.0	43.0	34.0	.8000	1437.0	.0
36	28.0	37.0	44.0	35.0	.8000	1441.0	.0
37	29.0	38.0	45.0	36.0	.8000	1443.0	.0
38	30.0	39.0	46.0	37.0	.8000	1445.0	.0
39	31.0	40.0	47.0	38.0	.8000	1448.0	.0
40	32.0	.0	48.0	39.0	.8000	1452.0	.0
41	33.0	42.0	49.0	.0	.8000	1427.0	.0
42	34.0	43.0	50.0	41.0	.8000	1433.0	.0
43	35.0	44.0	51.0	42.0	.8000	1435.0	.0

44	36.0	45.0	52.0	43.0	.8000	1437.0	.0
45	37.0	46.0	53.0	44.0	.8000	1440.0	.0
46	38.0	47.0	54.0	45.0	.8000	1442.0	.0
47	39.0	48.0	55.0	46.0	.8000	1445.0	.0
48	40.0	.0	56.0	47.0	.8000	1448.0	.0
49	41.0	50.0	57.0	.0	.8000	1427.0	.0
50	42.0	51.0	58.0	49.0	.8000	1430.0	.0
51	43.0	52.0	59.0	50.0	.8000	1433.0	.0
52	44.0	53.0	60.0	51.0	.8000	1435.0	.0
53	45.0	54.0	61.0	52.0	.8000	1437.0	.0
54	46.0	55.0	62.0	53.0	.8000	1439.0	.0
55	47.0	56.0	63.0	54.0	.8000	1443.0	.0
56	48.0	.0	64.0	55.0	.8000	1444.0	.0
57	49.0	58.0	65.0	.0	.8000	1425.0	.0
58	50.0	59.0	66.0	57.0	.8000	1427.0	.0
59	51.0	60.0	67.0	58.0	.8000	1430.0	.0
60	52.0	61.0	68.0	59.0	.8000	1432.0	.0
61	53.0	62.0	69.0	60.0	.8000	1435.0	.0
62	54.0	63.0	70.0	61.0	.8000	1439.0	.0
63	55.0	64.0	71.0	62.0	.8000	1440.0	.0
64	56.0	.0	72.0	63.0	.8000	1441.0	.0
65	57.0	66.0	73.0	.0	.8000	1423.0	.0
66	58.0	67.0	74.0	65.0	.8000	1425.0	.0
67	59.0	68.0	75.0	66.0	.8000	1428.0	.0
68	60.0	69.0	76.0	67.0	.8000	1431.0	.0
69	61.0	70.0	77.0	68.0	.8000	1434.0	.0
70	62.0	71.0	78.0	69.0	.8000	1436.0	.0
71	63.0	72.0	79.0	70.0	.8000	1437.0	.0
72	64.0	.0	80.0	71.0	.8000	1439.0	.0
73	65.0	74.0	81.0	.0	.8000	1422.0	.0
74	66.0	75.0	82.0	73.0	.8000	1425.0	.0
75	67.0	76.0	83.0	74.0	.8000	1428.0	.0
76	68.0	77.0	84.0	75.0	.8000	1430.0	.0
77	69.0	78.0	85.0	76.0	.8000	1432.0	.0
78	70.0	79.0	86.0	77.0	.8000	1433.0	.0
79	71.0	80.0	87.0	78.0	.8000	1434.0	.0
80	72.0	.0	88.0	79.0	.8000	1435.0	.0
81	73.0	82.0	89.0	.0	.8000	1422.0	.0
82	74.0	83.0	90.0	81.0	.8000	1425.0	.0
83	75.0	84.0	91.0	82.0	.8000	1427.0	.0
84	76.0	85.0	92.0	83.0	.8000	1429.0	.0
85	77.0	86.0	93.0	84.0	.8000	1430.0	.0
86	78.0	87.0	94.0	85.0	.8000	1431.0	.0
87	79.0	88.0	95.0	86.0	.8000	1431.0	.0
88	80.0	.0	96.0	87.0	.8000	1433.0	.0
89	81.0	90.0	.0	.0	.8000	1424.0	.0
90	82.0	91.0	.0	89.0	.8000	1425.0	.0
91	83.0	92.0	.0	90.0	.8000	1426.0	.0
92	84.0	93.0	.0	91.0	.8000	1427.0	.0
93	85.0	94.0	.0	92.0	.8000	1428.0	.0
94	86.0	95.0	.0	93.0	.8000	1428.0	.0
95	87.0	96.0	.0	94.0	.8000	1428.0	.0
96	88.0	.0	.0	95.0	.8000	1430.0	.0

NUMBER OF BOUNDARY CONDITION NODAL POINTS = 4

BOUNDARY CONDITION NODE NUMBERS:

8 32 48 64

NUMBER OF HYDROGRAPH RATE ENTRIES = 18

LINEAR FUCTION IN FLOWRATE(CFS) IN GRID ELEMENT:

HOUR	FLOWRATE/EACH BC NODE										
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12.3	.0	.0	22.9	35.6	.0	.0	.0	.0	.0	.0
12.5	.0	.0	83.2	47.5	.0	.0	.0	.0	.0	.0
12.6	.0	4.3	116.2	49.4	.0	.0	.0	.0	.0	.0
12.8	.0	.0	112.1	30.8	.0	.0	.0	.0	.0	.0
13.0	.0	.0	84.0	9.7	.0	.0	.0	.0	.0	.0
13.1	.0	.0	53.4	.0	.0	.0	.0	.0	.0	.0
13.3	.0	.0	28.8	.0	.0	.0	.0	.0	.0	.0
13.4	.0	.0	11.9	.0	.0	.0	.0	.0	.0	.0
13.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

NUMBER OF CRITICAL-DEPTH OUTFLOW NODES = 16

CRITICAL-DEPTH OUTFLOW NODE NUMBERS:

25 33 41 49 57 65 73 81 89 90

91 92 93 94 95 96

UNIFORM EFFECTIVE RAINFALL ON DOMAIN AS LINEAR FU BETWEEN POINTS

HOUR	RAINFALL (IN/HR)
.00	.00
1.00	.00
2.00	.00
3.00	.00
4.00	.00
9.00	.00
10.00	.03
11.00	.03
12.00	.37
13.00	.37
14.00	.03
15.00	.03
16.00	.00
17.00	.00
18.00	.00
19.00	.00
20.00	.00
21.00	.00
24.00	.00
25.00	.00

MODEL TIME(HOURS) = 13.0002 INFLOW(CFS/LF) = .0110

1 N = .8000PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.059	1447.059	.000	.000	.000	.000	.000	.000	.000
2	.059	1450.059	.000	.000	.000	.000	.000	.000	.000
3	.059	1449.059	.000	.000	.000	.000	.000	.000	.000
4	.059	1452.059	.000	.000	.000	.000	.000	.000	.000
5	.059	1455.059	.000	.000	.000	.000	.000	.000	.000
6	.059	1458.059	.000	.000	.000	.000	.000	.000	.000
7	.059	1461.059	.000	.000	.000	.000	.000	.000	.000
8	.059	1463.059	.000	.000	.000	.000	.000	.000	.000
9	.059	1443.059	.000	.000	.000	.000	.000	.000	.000
10	.059	1446.059	.000	.000	.000	.000	.000	.000	.000
11	.059	1446.059	.000	.000	.000	.000	.000	.000	.000
12	.059	1448.059	.000	.000	.000	.000	.000	.000	.000
13	.059	1451.059	.000	.000	.000	.000	.000	.000	.000
14	.059	1456.059	.000	.000	.000	.000	.000	.000	.000
15	.059	1458.059	.000	.000	.000	.000	.000	.000	.000
16	.059	1459.059	.000	.000	.000	.000	.000	.000	.000
17	.059	1438.059	.000	.000	.000	.000	.000	.000	.000
18	.059	1440.059	.000	.000	.000	.000	.000	.000	.000
19	.059	1443.059	.000	.000	.000	.000	.000	.000	.000
20	.059	1445.059	.000	.000	.000	.000	.000	.000	.000
21	.059	1449.059	.000	.000	.000	.000	.000	.000	.000
22	.059	1452.059	.000	.000	.000	.000	.000	.000	.000
23	.059	1454.059	.000	.000	.000	.000	.000	.000	.000
24	.059	1457.059	.000	.000	.000	.000	.000	.000	.000
25	.010	1435.010	.000	.000	.000	.000	.000	.000	.000
26	.059	1436.059	.000	.000	.000	.000	.000	.000	.000
27	.059	1439.059	.000	.000	.000	.000	.000	.000	.000
28	.059	1444.059	.000	.000	.000	.000	.000	.000	.000
29	.059	1446.059	.000	.000	.000	.000	.000	.000	.000
30	.059	1447.059	.000	.000	.000	.000	.000	.000	.000
31	.059	1451.059	.000	.000	.000	.000	.000	.000	.000
32	.064	1453.064	.000	.000	.000	.000	.000	.000	.000
33	.010	1430.010	.000	.000	.000	.000	.000	.000	.000
34	.059	1433.059	.000	.000	.000	.000	.000	.000	.000
35	.059	1437.059	.000	.000	.000	.000	.000	.000	.000
36	.059	1441.059	.000	.000	.000	.000	.000	.000	.000
37	.059	1443.059	.000	.000	.000	.000	.000	.000	.000
38	.059	1445.059	.000	.000	.000	.000	.000	.000	.000
39	.059	1448.059	.000	.000	.000	.000	.000	.000	.000
40	.059	1452.059	.000	.000	.000	.000	.000	.000	.000
41	.010	1427.010	.000	.000	.000	.000	.000	.000	.000
42	.059	1433.059	.000	.000	.000	.000	.000	.000	.000
43	.059	1435.059	.000	.000	.000	.000	.000	.000	.000
44	.059	1437.059	.000	.000	.000	.000	.000	.000	.000
45	.059	1440.059	.000	.000	.000	.000	.000	.000	.000
46	.059	1442.059	.000	.000	.000	.000	.000	.000	.000
47	.085	1445.085	-.108	.000	.108	.033	.009	-6.109	.000
48	.527	1448.527	-.018	-.020	.027	.005	.014	-6.109	-7.010
49	.010	1427.010	.000	.000	.000	.000	.000	.000	.000
50	.059	1430.059	.000	.000	.000	.000	.000	.000	.000
51	.059	1433.059	.000	.000	.000	.000	.000	.000	.000
52	.059	1435.059	.000	.000	.000	.000	.000	.000	.000
53	.059	1437.059	.000	.000	.000	.000	.000	.000	.000

54	.059	1439.059	.000	.000	.000	.000	.000	.000	.000
55	.059	1443.059	.000	.000	.000	.000	.000	.000	.000
56	.089	1444.089	.000	-.119	.119	.035	.011	.000	-7.010
57	.010	1425.010	.000	.000	.000	.000	.000	.000	.000
58	.059	1427.059	.000	.000	.000	.000	.000	.000	.000
59	.059	1430.059	.000	.000	.000	.000	.000	.000	.000
60	.059	1432.059	.000	.000	.000	.000	.000	.000	.000
61	.059	1435.059	.000	.000	.000	.000	.000	.000	.000
62	.059	1439.059	.000	.000	.000	.000	.000	.000	.000
63	.066	1440.066	-.030	.000	.030	.010	.002	-1.313	.000
64	.267	1441.267	-.007	-.010	.013	.003	.003	-1.313	-1.800
65	.010	1423.010	.000	.000	.000	.000	.000	.000	.000
66	.059	1425.059	.000	.000	.000	.000	.000	.000	.000
67	.059	1428.059	.000	.000	.000	.000	.000	.000	.000
68	.059	1431.059	.000	.000	.000	.000	.000	.000	.000
69	.059	1434.059	.000	.000	.000	.000	.000	.000	.000
70	.059	1436.059	.000	.000	.000	.000	.000	.000	.000
71	.059	1437.059	.000	.000	.000	.000	.000	.000	.000
72	.069	1439.069	.000	-.040	.040	.013	.003	.000	-1.800
73	.010	1422.010	.000	.000	.000	.000	.000	.000	.000
74	.059	1425.059	.000	.000	.000	.000	.000	.000	.000
75	.059	1428.059	.000	.000	.000	.000	.000	.000	.000
76	.059	1430.059	.000	.000	.000	.000	.000	.000	.000
77	.059	1432.059	.000	.000	.000	.000	.000	.000	.000
78	.059	1433.059	.000	.000	.000	.000	.000	.000	.000
79	.059	1434.059	.000	.000	.000	.000	.000	.000	.000
80	.059	1435.059	.000	.000	.000	.000	.000	.000	.000
81	.010	1422.010	.000	.000	.000	.000	.000	.000	.000
82	.059	1425.059	.000	.000	.000	.000	.000	.000	.000
83	.059	1427.059	.000	.000	.000	.000	.000	.000	.000
84	.059	1429.059	.000	.000	.000	.000	.000	.000	.000
85	.059	1430.059	.000	.000	.000	.000	.000	.000	.000
86	.059	1431.059	.000	.000	.000	.000	.000	.000	.000
87	.059	1431.059	.000	.000	.000	.000	.000	.000	.000
88	.059	1433.059	.000	.000	.000	.000	.000	.000	.000
89	.010	1424.010	.000	.000	.000	.000	.000	.000	.000
90	.010	1425.010	.000	.000	.000	.000	.000	.000	.000
91	.010	1426.010	.000	.000	.000	.000	.000	.000	.000
92	.010	1427.010	.000	.000	.000	.000	.000	.000	.000
93	.010	1428.010	.000	.000	.000	.000	.000	.000	.000
94	.010	1428.010	.000	.000	.000	.000	.000	.000	.000
95	.010	1428.010	.000	.000	.000	.000	.000	.000	.000
96	.010	1430.010	.000	.000	.000	.000	.000	.000	.000

NODE	DEPTH	ELEVATION	TIME
1	.086	1447.086	23.999
2	.086	1450.086	23.999
3	.086	1449.086	23.999
4	.086	1452.086	23.999
5	.086	1455.086	23.999
6	.086	1458.086	23.999
7	.086	1461.086	23.999
8	.086	1463.086	23.999
9	.086	1443.086	23.999
10	.086	1446.086	23.999
11	.086	1446.086	23.999
12	.086	1448.086	23.999
13	.086	1451.086	23.999

10 YR

14	.086	1456.086	23.999
15	.086	1458.086	23.999
16	.086	1459.086	23.999
17	.086	1438.086	23.999
18	.086	1440.086	23.999
19	.086	1443.086	23.999
20	.086	1445.086	23.999
21	.086	1449.086	23.999
22	.086	1452.086	23.999
23	.086	1454.086	23.999
24	.086	1457.086	23.999
25	.010	1435.010	13.000
26	.086	1436.086	23.999
27	.086	1439.086	23.999
28	.086	1444.086	23.999
29	.086	1446.086	23.999
30	.086	1447.086	23.999
31	.086	1451.086	23.999
32	.091	1453.091	23.999
33	.010	1430.010	13.000
34	.086	1433.086	23.999
35	.086	1437.086	23.999
36	.086	1441.086	23.999
37	.086	1443.086	23.999
38	.086	1445.086	23.999
39	.086	1448.086	23.999
40	.086	1452.086	23.999
41	.010	1427.010	13.000
42	.086	1433.086	23.999
43	.086	1435.086	23.999
44	.086	1437.086	23.999
45	.107	1440.107	17.110
46	.129	1442.129	16.010
47	.222	1445.222	15.000
48	.581	1448.581	13.265
49	.010	1427.010	13.000
50	.086	1430.086	23.999
51	.086	1433.086	23.999
52	.113	1435.113	20.070
53	.138	1437.138	18.645
54	.187	1439.187	18.420
55	.129	1443.129	15.780
56	.204	1444.204	14.790
57	.010	1425.010	13.000
58	.086	1427.086	23.999
59	.113	1430.113	23.999
60	.145	1432.145	22.884
61	.119	1435.119	19.630
62	.112	1439.112	18.050
63	.178	1440.178	17.775
64	.275	1441.275	13.830
65	.010	1423.010	13.000
66	.111	1425.111	23.999
67	.132	1428.132	23.994
68	.119	1431.119	21.649
69	.118	1434.118	19.705
70	.123	1436.124	18.800
71	.174	1437.174	18.900
72	.134	1439.134	15.435
73	.010	1422.010	13.000

10 YR.

74	.086	1425.086	23.999
75	.112	1428.112	23.999
76	.119	1430.119	22.894
77	.119	1432.120	21.219
78	.138	1433.138	20.800
79	.144	1434.144	19.545
80	.122	1435.122	16.905
81	.010	1422.010	13.000
82	.086	1425.086	23.999
83	.099	1427.099	23.999
84	.125	1429.125	23.999
85	.153	1430.153	23.999
86	.160	1431.160	23.999
87	.220	1431.220	22.624
88	.105	1433.105	18.640
89	.010	1424.010	13.000
90	.010	1425.010	13.000
91	.010	1426.010	13.000
92	.010	1427.010	13.000
93	.010	1428.010	13.000
94	.010	1428.010	13.000
95	.010	1428.010	13.000
96	.010	1430.010	13.000

10YR

Future Conditions
50 YR Q 10-18-99
W/ Detention 50YRDET.2

TIMESTEP(HOUR) = .00500
NUMBER OF TIMESTEPS = 4800
OUTPUT INTERVAL(TIMESTEPS) = 2600
NUMBER OF NODAL POINTS = 96
UNIFORM GRID SIDE(FEET) = 660.00

NODAL POINT DATA ENTRY:

NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS FRICTION FACTOR
ELEV = NODAL POINT ELEVATION
DEPTH = WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV	DEPTH
1	.0	2.0	9.0	.0	.8000	1447.0	.0
2	.0	3.0	10.0	1.0	.8000	1450.0	.0
3	.0	4.0	11.0	2.0	.8000	1449.0	.0
4	.0	5.0	12.0	3.0	.8000	1452.0	.0
5	.0	6.0	13.0	4.0	.8000	1455.0	.0
6	.0	7.0	14.0	5.0	.8000	1458.0	.0
7	.0	8.0	15.0	6.0	.8000	1461.0	.0
8	.0	.0	16.0	7.0	.8000	1463.0	.0
9	1.0	10.0	17.0	.0	.8000	1443.0	.0
10	2.0	11.0	18.0	9.0	.8000	1446.0	.0
11	3.0	12.0	19.0	10.0	.8000	1446.0	.0
12	4.0	13.0	20.0	11.0	.8000	1448.0	.0
13	5.0	14.0	21.0	12.0	.8000	1451.0	.0
14	6.0	15.0	22.0	13.0	.8000	1456.0	.0
15	7.0	16.0	23.0	14.0	.8000	1458.0	.0
16	8.0	.0	24.0	15.0	.8000	1459.0	.0
17	9.0	18.0	25.0	.0	.8000	1438.0	.0
18	10.0	19.0	26.0	17.0	.8000	1440.0	.0
19	11.0	20.0	27.0	18.0	.8000	1443.0	.0
20	12.0	21.0	28.0	19.0	.8000	1445.0	.0
21	13.0	22.0	29.0	20.0	.8000	1449.0	.0
22	14.0	23.0	30.0	21.0	.8000	1452.0	.0
23	15.0	24.0	31.0	22.0	.8000	1454.0	.0
24	16.0	.0	32.0	23.0	.8000	1457.0	.0
25	17.0	26.0	33.0	.0	.8000	1435.0	.0
26	18.0	27.0	34.0	25.0	.8000	1436.0	.0
27	19.0	28.0	35.0	26.0	.8000	1439.0	.0
28	20.0	29.0	36.0	27.0	.8000	1444.0	.0
29	21.0	30.0	37.0	28.0	.8000	1446.0	.0
30	22.0	31.0	38.0	29.0	.8000	1447.0	.0
31	23.0	32.0	39.0	30.0	.8000	1451.0	.0
32	24.0	.0	40.0	31.0	.8000	1453.0	.0
33	25.0	34.0	41.0	.0	.8000	1430.0	.0
34	26.0	35.0	42.0	33.0	.8000	1433.0	.0
35	27.0	36.0	43.0	34.0	.8000	1437.0	.0
36	28.0	37.0	44.0	35.0	.8000	1441.0	.0
37	29.0	38.0	45.0	36.0	.8000	1443.0	.0
38	30.0	39.0	46.0	37.0	.8000	1445.0	.0
39	31.0	40.0	47.0	38.0	.8000	1448.0	.0
40	32.0	.0	48.0	39.0	.8000	1452.0	.0
41	33.0	42.0	49.0	.0	.8000	1427.0	.0
42	34.0	43.0	50.0	41.0	.8000	1433.0	.0
43	35.0	44.0	51.0	42.0	.8000	1435.0	.0

44	36.0	45.0	52.0	43.0	.8000	1437.0	.0
45	37.0	46.0	53.0	44.0	.8000	1440.0	.0
46	38.0	47.0	54.0	45.0	.8000	1442.0	.0
47	39.0	48.0	55.0	46.0	.8000	1445.0	.0
48	40.0	.0	56.0	47.0	.8000	1448.0	.0
49	41.0	50.0	57.0	.0	.8000	1427.0	.0
50	42.0	51.0	58.0	49.0	.8000	1430.0	.0
51	43.0	52.0	59.0	50.0	.8000	1433.0	.0
52	44.0	53.0	60.0	51.0	.8000	1435.0	.0
53	45.0	54.0	61.0	52.0	.8000	1437.0	.0
54	46.0	55.0	62.0	53.0	.8000	1439.0	.0
55	47.0	56.0	63.0	54.0	.8000	1443.0	.0
56	48.0	.0	64.0	55.0	.8000	1444.0	.0
57	49.0	58.0	65.0	.0	.8000	1425.0	.0
58	50.0	59.0	66.0	57.0	.8000	1427.0	.0
59	51.0	60.0	67.0	58.0	.8000	1430.0	.0
60	52.0	61.0	68.0	59.0	.8000	1432.0	.0
61	53.0	62.0	69.0	60.0	.8000	1435.0	.0
62	54.0	63.0	70.0	61.0	.8000	1439.0	.0
63	55.0	64.0	71.0	62.0	.8000	1440.0	.0
64	56.0	.0	72.0	63.0	.8000	1441.0	.0
65	57.0	66.0	73.0	.0	.8000	1423.0	.0
66	58.0	67.0	74.0	65.0	.8000	1425.0	.0
67	59.0	68.0	75.0	66.0	.8000	1428.0	.0
68	60.0	69.0	76.0	67.0	.8000	1431.0	.0
69	61.0	70.0	77.0	68.0	.8000	1434.0	.0
70	62.0	71.0	78.0	69.0	.8000	1436.0	.0
71	63.0	72.0	79.0	70.0	.8000	1437.0	.0
72	64.0	.0	80.0	71.0	.8000	1439.0	.0
73	65.0	74.0	81.0	.0	.8000	1422.0	.0
74	66.0	75.0	82.0	73.0	.8000	1425.0	.0
75	67.0	76.0	83.0	74.0	.8000	1428.0	.0
76	68.0	77.0	84.0	75.0	.8000	1430.0	.0
77	69.0	78.0	85.0	76.0	.8000	1432.0	.0
78	70.0	79.0	86.0	77.0	.8000	1433.0	.0
79	71.0	80.0	87.0	78.0	.8000	1434.0	.0
80	72.0	.0	88.0	79.0	.8000	1435.0	.0
81	73.0	82.0	89.0	.0	.8000	1422.0	.0
82	74.0	83.0	90.0	81.0	.8000	1425.0	.0
83	75.0	84.0	91.0	82.0	.8000	1427.0	.0
84	76.0	85.0	92.0	83.0	.8000	1429.0	.0
85	77.0	86.0	93.0	84.0	.8000	1430.0	.0
86	78.0	87.0	94.0	85.0	.8000	1431.0	.0
87	79.0	88.0	95.0	86.0	.8000	1431.0	.0
88	80.0	.0	96.0	87.0	.8000	1433.0	.0
89	81.0	90.0	.0	.0	.8000	1424.0	.0
90	82.0	91.0	.0	89.0	.8000	1425.0	.0
91	83.0	92.0	.0	90.0	.8000	1426.0	.0
92	84.0	93.0	.0	91.0	.8000	1427.0	.0
93	85.0	94.0	.0	92.0	.8000	1428.0	.0
94	86.0	95.0	.0	93.0	.8000	1428.0	.0
95	87.0	96.0	.0	94.0	.8000	1428.0	.0
96	88.0	.0	.0	95.0	.8000	1430.0	.0

NUMBER OF BOUNDARY CONDITION NODAL POINTS = 4

BOUNDARY CONDITION NODE NUMBERS:

8 32 48 64

NUMBER OF HYDROGRAPH RATE ENTRIES = 18

LINEAR FUCTION IN FLOWRATE(CFS) IN GRID ELEMENT:

HOUR	FLOWRATE/EACH BC NODE									
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12.0	.0	.0	19.4	37.8	.0	.0	.0	.0	.0	.0
12.2	.0	20.1	99.7	63.7	.0	.0	.0	.0	.0	.0
12.3	.0	64.5	154.1	84.6	.0	.0	.0	.0	.0	.0
12.5	.0	105.6	204.9	100.2	.0	.0	.0	.0	.0	.0
12.6	.0	113.5	247.4	99.5	.0	.0	.0	.0	.0	.0
12.8	.0	56.3	263.6	66.3	.0	.0	.0	.0	.0	.0
13.0	.0	5.9	231.8	30.0	.0	.0	.0	.0	.0	.0
13.1	.0	.0	174.2	9.9	.0	.0	.0	.0	.0	.0
13.3	.0	.0	128.0	.0	.0	.0	.0	.0	.0	.0
13.4	.0	.0	94.0	.0	.0	.0	.0	.0	.0	.0
13.6	.0	.0	68.6	.0	.0	.0	.0	.0	.0	.0
13.8	.0	.0	47.4	.0	.0	.0	.0	.0	.0	.0
13.9	.0	.0	28.9	.0	.0	.0	.0	.0	.0	.0
14.1	.0	.0	14.2	.0	.0	.0	.0	.0	.0	.0
14.2	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0
14.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

NUMBER OF CRITICAL-DEPTH OUTFLOW NODES = 16

CRITICAL-DEPTH OUTFLOW NODE NUMBERS:

25 33 41 49 57 65 73 81 89 90

91 92 93 94 95 96

UNIFORM EFFECTIVE RAINFALL ON DOMAIN AS LINEAR FU BETWEEN POINTS

HOUR	RAINFALL (IN/HR)
.00	.00
1.00	.01
2.00	.02
3.00	.01
4.00	.02
9.00	.02
10.00	.05
11.00	.06
12.00	.67
13.00	.67
14.00	.06
15.00	.05
16.00	.01
17.00	.02
18.00	.02
19.00	.02
20.00	.01
21.00	.02
24.00	.02
25.00	.00

MODEL TIME(HOURS) = 13.0002 INFLOW(CFS/LF) = .0379

1 N = .8000PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.105	1447.105	-.013	-.016	.021	.008	.002	-.940	-1.131
2	.102	1450.102	-.006	-.016	.017	.006	.002	-.393	-1.071
3	.107	1449.107	-.006	-.014	.015	.005	.002	-.419	-.988
4	.104	1452.104	-.028	-.016	.032	.012	.003	-1.911	-1.111
5	.104	1455.104	-.028	-.016	.032	.012	.003	-1.897	-1.115
6	.104	1458.104	-.028	-.011	.030	.011	.003	-1.900	-.779
7	.104	1461.104	-.025	-.014	.029	.011	.003	-1.715	-.954
8	.103	1463.103	-.011	-.016	.020	.008	.002	-.765	-1.095
9	.107	1443.107	-.014	-.034	.037	.013	.004	-.967	-2.429
10	.104	1446.104	-.014	-.036	.038	.014	.004	-.967	-2.432
11	.107	1446.107	-.011	-.028	.030	.011	.003	-.804	-1.965
12	.106	1448.106	-.025	-.030	.039	.015	.004	-1.787	-2.096
13	.107	1451.107	-.032	-.027	.042	.016	.004	-2.235	-1.911
14	.104	1456.104	-.030	-.027	.040	.015	.004	-2.035	-1.868
15	.105	1458.105	-.019	-.029	.035	.013	.004	-1.341	-2.032
16	.105	1459.105	-.008	-.027	.028	.009	.003	-.558	-1.853
17	.109	1438.109	-.011	-.018	.021	.008	.002	-.817	-1.298
18	.106	1440.106	-.025	-.036	.044	.017	.005	-1.789	-2.503
19	.105	1443.105	-.025	-.030	.040	.015	.004	-1.771	-2.105
20	.107	1445.107	-.027	-.022	.035	.013	.004	-1.925	-1.549
21	.105	1449.105	-.030	-.026	.040	.015	.004	-2.074	-1.829
22	.103	1452.103	-.025	-.055	.060	.022	.006	-1.696	-3.735
23	.101	1454.101	-.011	-.072	.073	.023	.007	-.748	-4.787
24	.100	1457.100	.000	-.011	.011	.003	.001	.000	-.758
25	.015	1435.015	.000	.000	.000	.000	.000	.000	.000
26	.108	1436.108	-.014	-.030	.033	.012	.004	-.993	-2.152
27	.107	1439.107	-.032	-.027	.042	.016	.004	-2.253	-1.926
28	.105	1444.105	-.030	-.022	.037	.014	.004	-2.108	-1.519
29	.114	1446.114	-.029	-.027	.040	.015	.005	-2.185	-2.060
30	.230	1447.230	-.053	-.029	.061	.015	.014	-8.129	-4.368
31	.385	1451.385	-.083	-.031	.088	.016	.034	-21.073	-7.780
32	.750	1453.750	-.029	-.015	.033	.004	.024	-14.281	-7.386
33	.015	1430.015	.000	.000	.000	.000	.000	.000	.000
34	.109	1433.109	-.016	-.014	.021	.008	.002	-1.149	-1.010
35	.106	1437.106	-.032	-.024	.040	.015	.004	-2.254	-1.656
36	.104	1441.104	-.027	-.043	.051	.019	.005	-1.876	-2.941
37	.104	1443.104	-.011	-.053	.054	.017	.006	-.771	-3.608
38	.100	1445.100	-.013	-.026	.029	.011	.003	-.891	-1.723
39	.100	1448.100	-.029	-.280	.282	.086	.028	-1.927	-18.444
40	.100	1452.099	-.016	-.500	.500	.144	.050	-1.036	-32.824
41	.015	1427.015	.000	.000	.000	.000	.000	.000	.000
42	.106	1433.106	-.012	-.014	.019	.007	.002	-.866	-.997
43	.116	1435.116	-.032	-.023	.039	.014	.005	-2.415	-1.768
44	.196	1437.196	-.042	-.033	.053	.015	.010	-5.402	-4.293
45	.282	1440.282	-.063	-.069	.093	.022	.026	-11.816	-12.782
46	.530	1442.530	-.114	-.061	.129	.021	.069	-39.944	-21.258
47	1.101	1446.101	-.134	-.044	.141	.015	.155	-97.431	-32.114
48	1.453	1449.453	-.068	-.076	.103	.011	.149	-65.450	-73.317
49	.015	1427.015	.000	.000	.000	.000	.000	.000	.000
50	.108	1430.108	-.015	-.028	.032	.011	.003	-1.055	-2.006
51	.114	1433.114	-.036	-.026	.044	.016	.005	-2.668	-1.978
52	.206	1435.206	-.073	-.034	.081	.021	.017	-9.949	-4.656
53	.614	1437.614	-.074	-.052	.090	.014	.055	-29.814	-20.869

54	.861	1439.861	-.060	-.050	.079	.011	.068	-34.291	-28.654
55	.107	1443.107	-.222	-.369	.431	.159	.046	-15.774	-26.184
56	.422	1444.422	-.011	-.262	.262	.037	.111	-2.963	-73.016
57	.015	1425.015	.000	.000	.000	.000	.000	.000	.000
58	.108	1427.108	-.014	-.026	.029	.011	.003	-1.021	-1.841
59	.110	1430.110	-.030	-.027	.040	.015	.004	-2.161	-1.941
60	.152	1432.152	-.054	-.034	.064	.020	.010	-5.443	-3.423
61	.355	1435.355	-.055	-.061	.082	.017	.029	-12.805	-14.343
62	.357	1439.357	-.078	-.064	.101	.021	.036	-18.402	-15.154
63	.719	1440.719	-.078	-.076	.109	.016	.079	-37.186	-36.277
64	1.204	1442.204	-.034	-.070	.078	.008	.094	-27.286	-55.892
65	.015	1423.015	.000	.000	.000	.000	.000	.000	.000
66	.110	1425.110	-.015	-.011	.019	.007	.002	-1.072	-.832
67	.115	1428.115	-.034	-.012	.036	.012	.004	-2.603	-.875
68	.162	1431.162	-.047	-.022	.052	.015	.008	-4.983	-2.329
69	.285	1434.285	-.048	-.054	.072	.017	.021	-8.926	-10.204
70	.379	1436.379	-.077	-.087	.116	.023	.044	-19.121	-21.691
71	.887	1437.887	-.053	-.087	.102	.013	.090	-30.792	-51.062
72	.528	1439.528	-.049	-.135	.143	.022	.076	-17.145	-46.908
73	.015	1422.015	.000	.000	.000	.000	.000	.000	.000
74	.108	1425.108	-.014	.000	.014	.004	.002	-1.028	.000
75	.111	1428.111	-.033	-.008	.034	.011	.004	-2.425	-.597
76	.183	1430.183	-.060	-.019	.063	.016	.012	-7.235	-2.350
77	.487	1432.487	-.052	-.046	.070	.012	.034	-16.835	-14.783
78	.699	1433.699	-.043	-.076	.087	.013	.061	-19.665	-35.097
79	.476	1434.476	-.052	-.154	.162	.026	.077	-16.223	-48.263
80	.516	1435.516	-.022	-.063	.066	.010	.034	-7.557	-21.357
81	.015	1422.015	.000	.000	.000	.000	.000	.000	.000
82	.107	1425.107	-.012	.000	.012	.003	.001	-.822	.000
83	.109	1427.109	-.025	-.008	.026	.009	.003	-1.782	-.597
84	.128	1429.128	-.041	-.013	.043	.013	.005	-3.448	-1.095
85	.359	1430.359	-.063	-.044	.077	.016	.028	-14.997	-10.511
86	.849	1431.849	-.044	-.059	.074	.010	.062	-24.471	-33.176
87	1.115	1432.115	-.016	-.061	.063	.006	.070	-11.960	-44.652
88	.101	1433.101	.000	-.078	.078	.022	.008	.000	-5.204
89	.015	1424.015	.000	.000	.000	.000	.000	.000	.000
90	.015	1425.015	.000	.000	.000	.000	.000	.000	.000
91	.015	1426.015	.000	.000	.000	.000	.000	.000	.000
92	.015	1427.015	.000	.000	.000	.000	.000	.000	.000
93	.020	1428.020	.000	-.173	.173	.109	.003	.000	-2.256
94	.040	1428.040	.000	-.458	.458	.202	.018	.000	-12.011
95	.053	1428.053	.000	-.562	.562	.216	.030	.000	-19.618
96	.015	1430.015	.000	.000	.000	.000	.000	.000	.000

NODE	DEPTH	ELEVATION	TIME
1	.126	1447.126	13.690
2	.103	1450.103	13.200
3	.141	1449.141	13.990
4	.114	1452.114	13.575
5	.115	1455.115	13.620
6	.121	1458.121	13.770
7	.115	1461.115	13.605
8	.108	1463.108	13.400
9	.148	1443.148	14.035
10	.113	1446.113	13.520
11	.201	1446.201	16.145
12	.142	1448.142	14.400
13	.158	1451.158	15.030

50 YR

14	.121	1456.121	13.780
15	.130	1458.130	13.980
16	.131	1459.130	13.940
17	.297	1438.297	15.765
18	.137	1440.137	13.945
19	.146	1443.146	16.810
20	.174	1445.174	15.390
21	.123	1449.123	13.655
22	.107	1452.107	13.285
23	.101	1454.101	13.060
24	.100	1457.100	12.960
25	.015	1435.015	13.000
26	.187	1436.188	15.205
27	.222	1439.222	19.795
28	.122	1444.122	13.825
29	.245	1446.245	17.540
30	.480	1447.480	15.730
31	.446	1451.446	13.675
32	.767	1453.767	12.860
33	.016	1430.016	19.915
34	.445	1433.445	19.700
35	.129	1437.129	13.835
36	.112	1441.112	13.505
37	.225	1443.225	21.184
38	.114	1445.114	18.650
39	.101	1448.101	13.140
40	.101	1452.101	13.020
41	.015	1427.015	13.000
42	.185	1433.185	20.745
43	.168	1435.168	15.005
44	.242	1437.242	13.975
45	.297	1440.297	12.255
46	.695	1442.695	14.180
47	1.238	1446.238	13.560
48	1.456	1449.456	13.035
49	.015	1427.015	13.000
50	.217	1430.217	16.600
51	.228	1433.228	15.920
52	.508	1435.509	15.400
53	.891	1437.891	15.290
54	1.089	1440.089	15.120
55	.184	1443.184	14.145
56	.621	1444.620	13.860
57	.015	1425.015	18.455
58	.465	1427.465	18.305
59	.683	1430.683	17.725
60	1.087	1433.087	16.755
61	.800	1435.800	15.365
62	.375	1439.375	13.480
63	.720	1440.720	13.075
64	1.236	1442.236	12.800
65	.061	1423.061	20.275
66	1.464	1426.464	20.180
67	.804	1428.804	18.560
68	.784	1431.784	17.635
69	.504	1434.504	16.220
70	.527	1436.527	15.040
71	.984	1437.984	13.920
72	.562	1439.562	5.960
73	.042	1422.042	21.544

50YR

74	.998	1425.998	21.449
75	.211	1428.211	18.685
76	.475	1430.475	18.180
77	.518	1432.518	13.565
78	.771	1433.771	11.935
79	.818	1434.818	9.780
80	.577	1435.578	13.990
81	.039	1422.039	22.079
82	.935	1425.935	21.954
83	.694	1427.694	19.540
84	.779	1429.779	18.040
85	.979	1430.979	16.065
86	.932	1431.932	13.930
87	1.163	1432.163	14.440
88	.202	1433.202	9.625
89	.015	1424.015	13.000
90	.024	1425.024	22.109
91	.021	1426.021	19.690
92	.028	1427.028	18.170
93	.037	1428.037	16.175
94	.041	1428.041	13.425
95	.053	1428.053	13.160
96	.015	1430.015	13.000

50 YR

Future Conditions
100 YR Q 10-18-89
w/Detention 100YRDET.DIF

TIMESTEP(HOUR) = .00500
NUMBER OF TIMESTEPS = 4800
OUTPUT INTERVAL(TIMESTEPS) = 2600
NUMBER OF NODAL POINTS = 96
UNIFORM GRID SIDE(FEET) = 660.00

NODAL POINT DATA ENTRY:

NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS FRICTION FACTOR
ELEV = NODAL POINT ELEVATION
DEPTH = WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV	DEPTH
1	.0	2.0	9.0	.0	.8000	1447.0	.0
2	.0	3.0	10.0	1.0	.8000	1450.0	.0
3	.0	4.0	11.0	2.0	.8000	1449.0	.0
4	.0	5.0	12.0	3.0	.8000	1452.0	.0
5	.0	6.0	13.0	4.0	.8000	1455.0	.0
6	.0	7.0	14.0	5.0	.8000	1458.0	.0
7	.0	8.0	15.0	6.0	.8000	1461.0	.0
8	.0	.0	16.0	7.0	.8000	1463.0	.0
9	1.0	10.0	17.0	.0	.8000	1443.0	.0
10	2.0	11.0	18.0	9.0	.8000	1446.0	.0
11	3.0	12.0	19.0	10.0	.8000	1446.0	.0
12	4.0	13.0	20.0	11.0	.8000	1448.0	.0
13	5.0	14.0	21.0	12.0	.8000	1451.0	.0
14	6.0	15.0	22.0	13.0	.8000	1456.0	.0
15	7.0	16.0	23.0	14.0	.8000	1458.0	.0
16	8.0	.0	24.0	15.0	.8000	1459.0	.0
17	9.0	18.0	25.0	.0	.8000	1438.0	.0
18	10.0	19.0	26.0	17.0	.8000	1440.0	.0
19	11.0	20.0	27.0	18.0	.8000	1443.0	.0
20	12.0	21.0	28.0	19.0	.8000	1445.0	.0
21	13.0	22.0	29.0	20.0	.8000	1449.0	.0
22	14.0	23.0	30.0	21.0	.8000	1452.0	.0
23	15.0	24.0	31.0	22.0	.8000	1454.0	.0
24	16.0	.0	32.0	23.0	.8000	1457.0	.0
25	17.0	26.0	33.0	.0	.8000	1435.0	.0
26	18.0	27.0	34.0	25.0	.8000	1436.0	.0
27	19.0	28.0	35.0	26.0	.8000	1439.0	.0
28	20.0	29.0	36.0	27.0	.8000	1444.0	.0
29	21.0	30.0	37.0	28.0	.8000	1446.0	.0
30	22.0	31.0	38.0	29.0	.8000	1447.0	.0
31	23.0	32.0	39.0	30.0	.8000	1451.0	.0
32	24.0	.0	40.0	31.0	.8000	1453.0	.0
33	25.0	34.0	41.0	.0	.8000	1430.0	.0
34	26.0	35.0	42.0	33.0	.8000	1433.0	.0
35	27.0	36.0	43.0	34.0	.8000	1437.0	.0
36	28.0	37.0	44.0	35.0	.8000	1441.0	.0
37	29.0	38.0	45.0	36.0	.8000	1443.0	.0
38	30.0	39.0	46.0	37.0	.8000	1445.0	.0
39	31.0	40.0	47.0	38.0	.8000	1448.0	.0
40	32.0	.0	48.0	39.0	.8000	1452.0	.0
41	33.0	42.0	49.0	.0	.8000	1427.0	.0
42	34.0	43.0	50.0	41.0	.8000	1433.0	.0
43	35.0	44.0	51.0	42.0	.8000	1435.0	.0

44	36.0	45.0	52.0	43.0	.8000	1437.0	.0
45	37.0	46.0	53.0	44.0	.8000	1440.0	.0
46	38.0	47.0	54.0	45.0	.8000	1442.0	.0
47	39.0	48.0	55.0	46.0	.8000	1445.0	.0
48	40.0	.0	56.0	47.0	.8000	1448.0	.0
49	41.0	50.0	57.0	.0	.8000	1427.0	.0
50	42.0	51.0	58.0	49.0	.8000	1430.0	.0
51	43.0	52.0	59.0	50.0	.8000	1433.0	.0
52	44.0	53.0	60.0	51.0	.8000	1435.0	.0
53	45.0	54.0	61.0	52.0	.8000	1437.0	.0
54	46.0	55.0	62.0	53.0	.8000	1439.0	.0
55	47.0	56.0	63.0	54.0	.8000	1443.0	.0
56	48.0	.0	64.0	55.0	.8000	1444.0	.0
57	49.0	58.0	65.0	.0	.8000	1425.0	.0
58	50.0	59.0	66.0	57.0	.8000	1427.0	.0
59	51.0	60.0	67.0	58.0	.8000	1430.0	.0
60	52.0	61.0	68.0	59.0	.8000	1432.0	.0
61	53.0	62.0	69.0	60.0	.8000	1435.0	.0
62	54.0	63.0	70.0	61.0	.8000	1439.0	.0
63	55.0	64.0	71.0	62.0	.8000	1440.0	.0
64	56.0	.0	72.0	63.0	.8000	1441.0	.0
65	57.0	66.0	73.0	.0	.8000	1423.0	.0
66	58.0	67.0	74.0	65.0	.8000	1425.0	.0
67	59.0	68.0	75.0	66.0	.8000	1428.0	.0
68	60.0	69.0	76.0	67.0	.8000	1431.0	.0
69	61.0	70.0	77.0	68.0	.8000	1434.0	.0
70	62.0	71.0	78.0	69.0	.8000	1436.0	.0
71	63.0	72.0	79.0	70.0	.8000	1437.0	.0
72	64.0	.0	80.0	71.0	.8000	1439.0	.0
73	65.0	74.0	81.0	.0	.8000	1422.0	.0
74	66.0	75.0	82.0	73.0	.8000	1425.0	.0
75	67.0	76.0	83.0	74.0	.8000	1428.0	.0
76	68.0	77.0	84.0	75.0	.8000	1430.0	.0
77	69.0	78.0	85.0	76.0	.8000	1432.0	.0
78	70.0	79.0	86.0	77.0	.8000	1433.0	.0
79	71.0	80.0	87.0	78.0	.8000	1434.0	.0
80	72.0	.0	88.0	79.0	.8000	1435.0	.0
81	73.0	82.0	89.0	.0	.8000	1422.0	.0
82	74.0	83.0	90.0	81.0	.8000	1425.0	.0
83	75.0	84.0	91.0	82.0	.8000	1427.0	.0
84	76.0	85.0	92.0	83.0	.8000	1429.0	.0
85	77.0	86.0	93.0	84.0	.8000	1430.0	.0
86	78.0	87.0	94.0	85.0	.8000	1431.0	.0
87	79.0	88.0	95.0	86.0	.8000	1431.0	.0
88	80.0	.0	96.0	87.0	.8000	1433.0	.0
89	81.0	90.0	.0	.0	.8000	1424.0	.0
90	82.0	91.0	.0	89.0	.8000	1425.0	.0
91	83.0	92.0	.0	90.0	.8000	1426.0	.0
92	84.0	93.0	.0	91.0	.8000	1427.0	.0
93	85.0	94.0	.0	92.0	.8000	1428.0	.0
94	86.0	95.0	.0	93.0	.8000	1428.0	.0
95	87.0	96.0	.0	94.0	.8000	1428.0	.0
96	88.0	.0	.0	95.0	.8000	1430.0	.0

NUMBER OF BOUNDARY CONDITION NODAL POINTS = 4

BOUNDARY CONDITION NODE NUMBERS:

8 32 48 64

NUMBER OF HYDROGRAPH RATE ENTRIES = 20

LINEAR FUCTION IN FLOWRATE(CFS) IN GRID ELEMENT:

HOUR	FLOWRATE/EACH BC NODE									
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12.0	.0	7.1	67.3	54.5	.0	.0	.0	.0	.0	.0
12.2	.0	65.0	131.7	84.7	.0	.0	.0	.0	.0	.0
12.3	.0	116.3	195.1	108.1	.0	.0	.0	.0	.0	.0
12.5	.0	160.8	252.4	125.0	.0	.0	.0	.0	.0	.0
12.6	.0	162.1	299.3	122.8	.0	.0	.0	.0	.0	.0
12.8	.0	88.8	315.0	82.6	.0	.0	.0	.0	.0	.0
13.0	.0	24.7	274.5	39.4	.0	.0	.0	.0	.0	.0
13.1	.0	.0	222.3	15.5	.0	.0	.0	.0	.0	.0
13.3	.0	.0	169.1	3.4	.0	.0	.0	.0	.0	.0
13.4	.0	.0	131.0	.0	.0	.0	.0	.0	.0	.0
13.6	.0	.0	102.7	.0	.0	.0	.0	.0	.0	.0
13.8	.0	.0	78.1	.0	.0	.0	.0	.0	.0	.0
13.9	.0	.0	55.7	.0	.0	.0	.0	.0	.0	.0
14.1	.0	.0	37.5	.0	.0	.0	.0	.0	.0	.0
14.2	.0	.0	23.2	.0	.0	.0	.0	.0	.0	.0
14.4	.0	.0	12.3	.0	.0	.0	.0	.0	.0	.0
14.6	.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0
14.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

NUMBER OF CRITICAL-DEPTH OUTFLOW NODES = 16

CRITICAL-DEPTH OUTFLOW NODE NUMBERS:

25 33 41 49 57 65 73 81 89 90

91 92 93 94 95 96

UNIFORM EFFECTIVE RAINFALL ON DOMAIN AS LINEAR FU BETWEEN POINTS

HOUR	RAINFALL (IN/HR)
.00	.00
1.00	.02
2.00	.02
3.00	.02
4.00	.02
9.00	.02
10.00	.06
11.00	.07
12.00	.81
13.00	.81
14.00	.07
15.00	.06
16.00	.02
17.00	.02
18.00	.02
19.00	.02
20.00	.02
21.00	.02
24.00	.02
25.00	.00

MODEL TIME(HOURS) = 13.0002 INFLOW(CFS/LF) = .0506

1 N = .8000PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.126	1447.126	-.014	-.019	.023	.008	.003	-1.155	-1.571
2	.109	1450.109	-.007	-.018	.019	.006	.002	-.468	-1.264
3	.131	1449.131	-.007	-.016	.018	.006	.002	-.597	-1.412
4	.119	1452.119	-.031	-.019	.037	.013	.004	-2.469	-1.468
5	.119	1455.119	-.030	-.019	.036	.013	.004	-2.395	-1.494
6	.122	1458.122	-.030	-.013	.033	.011	.004	-2.416	-1.007
7	.119	1461.119	-.027	-.016	.031	.011	.004	-2.139	-1.236
8	.114	1463.114	-.012	-.018	.022	.008	.003	-.932	-1.385
9	.133	1443.133	-.015	-.040	.043	.013	.006	-1.292	-3.539
10	.118	1446.118	-.018	-.039	.043	.015	.005	-1.385	-3.053
11	.134	1446.134	-.014	-.031	.034	.011	.005	-1.235	-2.773
12	.130	1448.130	-.030	-.033	.045	.015	.006	-2.529	-2.855
13	.132	1451.132	-.035	-.029	.046	.016	.006	-3.091	-2.490
14	.122	1456.122	-.034	-.028	.044	.016	.005	-2.737	-2.233
15	.125	1458.125	-.022	-.030	.037	.013	.005	-1.782	-2.491
16	.126	1459.126	-.009	-.027	.029	.009	.004	-.749	-2.276
17	.144	1438.144	-.013	-.021	.024	.008	.004	-1.216	-1.968
18	.130	1440.130	-.030	-.040	.050	.017	.006	-2.541	-3.435
19	.125	1443.125	-.029	-.036	.046	.016	.006	-2.426	-2.949
20	.132	1445.132	-.029	-.026	.039	.013	.005	-2.499	-2.281
21	.109	1449.109	-.033	-.059	.067	.024	.007	-2.356	-4.224
22	.100	1452.100	-.026	-.201	.202	.063	.020	-1.687	-13.190
23	.100	1454.100	-.011	-.118	.118	.036	.012	-.728	-7.774
24	.100	1457.100	.000	-.014	.014	.004	.001	.000	-.891
25	.017	1435.017	.000	.000	.000	.000	.000	.000	.000
26	.136	1436.136	-.016	-.036	.039	.012	.005	-1.479	-3.201
27	.136	1439.136	-.040	-.031	.050	.017	.007	-3.539	-2.733
28	.149	1444.149	-.055	-.025	.060	.018	.009	-5.361	-2.413
29	.335	1446.335	-.061	-.034	.070	.014	.023	-13.541	-7.451
30	.752	1447.752	-.069	-.044	.082	.012	.062	-34.474	-22.046
31	.598	1451.598	-.142	-.036	.147	.020	.088	-56.084	-14.222
32	1.187	1454.187	-.041	-.021	.046	.005	.054	-31.850	-16.635
33	.017	1430.017	.000	.000	.000	.000	.000	.000	.000
34	.144	1433.144	-.018	-.017	.025	.008	.004	-1.701	-1.668
35	.128	1437.128	-.038	-.027	.047	.016	.006	-3.230	-2.262
36	.127	1441.127	-.035	-.040	.053	.018	.007	-2.915	-3.345
37	.167	1443.167	-.026	-.059	.064	.018	.011	-2.895	-6.461
38	.145	1445.145	-.029	-.232	.234	.060	.034	-2.744	-22.188
39	.100	1448.099	-.035	-.389	.391	.118	.039	-2.278	-25.553
40	.101	1452.101	-.016	-.694	.695	.197	.070	-1.042	-46.218
41	.017	1427.017	.000	.000	.000	.000	.000	.000	.000
42	.127	1433.127	-.013	-.020	.024	.008	.003	-1.113	-1.639
43	.132	1435.132	-.028	-.036	.046	.016	.006	-2.457	-3.152
44	.156	1437.156	-.034	-.071	.079	.023	.012	-3.492	-7.316
45	.183	1440.183	-.135	-.124	.184	.053	.034	-16.275	-14.991
46	.901	1442.901	-.111	-.091	.144	.019	.130	-66.234	-54.304
47	1.314	1446.314	-.156	-.049	.163	.016	.214	-135.003	-42.285
48	1.635	1449.635	-.077	-.087	.116	.011	.190	-82.896	-94.320
49	.017	1427.017	.000	.000	.000	.000	.000	.000	.000
50	.152	1430.151	-.028	-.033	.044	.014	.007	-2.831	-3.320
51	.246	1433.246	-.067	-.041	.079	.019	.019	-10.883	-6.686

52	.564	1435.564	-.079	-.079	.112	.019	.063	-29.402	-29.564
53	.889	1437.889	-.102	-.070	.124	.016	.110	-59.846	-41.037
54	1.189	1440.189	-.075	-.071	.103	.012	.123	-58.642	-55.811
55	.121	1443.121	-.319	-.433	.538	.190	.065	-25.574	-34.675
56	.611	1444.611	-.013	-.252	.252	.030	.154	-5.428	-101.630
57	.017	1425.017	.000	.000	.000	.000	.000	.000	.000
58	.154	1427.154	-.035	-.032	.047	.015	.007	-3.518	-3.253
59	.298	1430.298	-.107	-.041	.114	.024	.034	-20.958	-8.117
60	.944	1432.944	-.087	-.065	.108	.014	.102	-53.930	-40.256
61	.919	1435.919	-.091	-.074	.118	.015	.108	-55.304	-45.085
62	.286	1439.286	-.157	-.124	.201	.046	.057	-29.750	-23.499
63	.817	1440.817	-.090	-.089	.126	.017	.103	-48.651	-47.699
64	1.452	1442.452	-.039	-.082	.091	.009	.132	-37.717	-78.508
65	.017	1423.017	.000	.000	.000	.000	.000	.000	.000
66	.151	1425.151	-.024	-.016	.028	.009	.004	-2.373	-1.553
67	.209	1428.209	-.069	-.027	.074	.018	.015	-9.460	-3.744
68	.471	1431.471	-.067	-.073	.100	.018	.047	-20.922	-22.800
69	.560	1434.560	-.074	-.079	.109	.018	.061	-27.316	-29.329
70	.590	1436.590	-.094	-.070	.117	.019	.069	-36.603	-27.366
71	1.134	1438.134	-.061	-.099	.116	.013	.132	-45.317	-74.373
72	.581	1439.581	-.058	-.168	.178	.026	.103	-22.194	-64.330
73	.017	1422.017	.000	.000	.000	.000	.000	.000	.000
74	.141	1425.141	-.020	-.001	.021	.005	.003	-1.912	-.093
75	.175	1428.175	-.062	-.013	.063	.016	.011	-7.125	-1.524
76	.454	1430.454	-.053	-.042	.068	.013	.031	-15.981	-12.703
77	.542	1432.542	-.057	-.091	.108	.018	.058	-20.534	-32.629
78	.607	1433.607	-.053	-.097	.110	.017	.067	-21.079	-38.645
79	.655	1434.655	-.056	-.169	.178	.025	.117	-24.353	-73.006
80	.714	1435.714	-.028	-.067	.072	.010	.052	-13.039	-31.400
81	.017	1422.017	.000	.000	.000	.000	.000	.000	.000
82	.136	1425.136	-.016	.000	.016	.004	.002	-1.446	.000
83	.166	1427.166	-.055	-.011	.057	.014	.009	-6.062	-1.248
84	.422	1429.422	-.083	-.033	.089	.016	.038	-23.169	-9.078
85	1.063	1431.063	-.062	-.051	.080	.010	.085	-43.251	-35.600
86	1.012	1432.012	-.064	-.056	.085	.011	.086	-42.561	-37.673
87	1.339	1432.339	-.034	-.072	.079	.008	.106	-29.981	-63.437
88	.104	1433.104	-.176	-.126	.216	.082	.023	-12.116	-8.685
89	.017	1424.017	.000	.000	.000	.000	.000	.000	.000
90	.017	1425.017	.000	.000	.000	.000	.000	.000	.000
91	.017	1426.017	.000	.000	.000	.000	.000	.000	.000
92	.023	1427.023	.000	-.197	.197	.114	.005	.000	-2.993
93	.047	1428.047	.000	-.502	.502	.205	.023	.000	-15.500
94	.049	1428.049	.000	-.507	.507	.201	.025	.000	-16.508
95	.065	1428.065	.000	-.636	.636	.220	.041	.000	-27.344
96	.017	1430.017	.000	.000	.000	.000	.000	.000	.000

NODE	DEPTH	ELEVATION	TIME
1	.150	1447.150	13.760
2	.110	1450.110	13.195
3	.172	1449.172	13.950
4	.129	1452.129	13.515
5	.131	1455.131	13.575
6	.140	1458.140	13.745
7	.131	1461.130	13.565
8	.119	1463.119	13.380
9	.180	1443.180	14.120
10	.127	1446.127	13.470
11	.270	1446.270	16.510

100 YR.

12	.173	1448.173	14.680
13	.205	1451.205	15.135
14	.142	1456.142	13.765
15	.157	1458.157	14.150
16	.156	1459.156	13.950
17	.413	1438.413	15.980
18	.162	1440.162	13.865
19	.155	1443.155	15.855
20	.176	1445.176	14.000
21	.110	1449.110	13.145
22	.100	1452.100	12.760
23	.101	1454.101	16.580
24	.100	1457.100	12.965
25	.017	1435.017	16.060
26	.225	1436.225	15.330
27	.368	1439.368	18.355
28	.226	1444.226	15.575
29	.483	1446.483	15.060
30	.874	1447.874	14.035
31	.618	1451.618	13.260
32	1.245	1454.245	12.815
33	.025	1430.025	19.095
34	.640	1433.640	18.855
35	.158	1437.158	13.925
36	.336	1441.336	18.400
37	.426	1443.426	17.535
38	.149	1445.149	13.330
39	.101	1448.101	12.825
40	.107	1452.107	16.390
41	.017	1427.017	13.000
42	.269	1433.269	20.969
43	.156	1435.156	15.930
44	.230	1437.230	23.154
45	.317	1440.317	8.910
46	1.018	1443.018	13.845
47	1.401	1446.401	13.440
48	1.638	1449.638	13.025
49	.017	1427.017	13.000
50	.224	1430.224	14.290
51	.280	1433.280	13.585
52	.565	1435.565	12.880
53	1.250	1438.250	15.240
54	1.447	1440.447	14.480
55	.198	1443.198	6.780
56	.815	1444.815	13.780
57	.021	1425.021	15.965
58	.616	1427.616	15.860
59	.821	1430.821	15.035
60	1.251	1433.251	16.675
61	.922	1435.922	12.835
62	.353	1439.353	10.840
63	.822	1440.822	13.180
64	1.498	1442.498	12.780
65	.079	1423.079	17.830
66	1.798	1426.798	17.745
67	1.139	1429.139	15.840
68	.930	1431.930	14.860
69	.605	1434.605	13.675
70	.637	1436.637	13.945
71	1.146	1438.146	13.360

1004K

72	.700	1439.700	4.860
73	.064	1422.064	18.510
74	1.430	1426.430	18.465
75	.494	1428.494	16.215
76	.660	1430.660	15.275
77	.593	1432.593	11.920
78	.926	1433.926	9.725
79	.986	1434.986	8.060
80	.743	1435.743	13.635
81	.057	1422.057	19.105
82	1.289	1426.289	19.005
83	.948	1427.948	16.980
84	.978	1429.978	15.590
85	1.173	1431.173	13.980
86	1.030	1432.030	13.980
87	1.405	1432.405	13.930
88	.218	1433.218	8.040
89	.017	1424.017	13.000
90	.037	1425.037	19.130
91	.031	1426.031	17.110
92	.037	1427.037	15.650
93	.049	1428.049	13.485
94	.049	1428.049	13.020
95	.066	1428.066	13.310
96	.017	1430.017	13.000

Future Conditions
500 YR Q 10-18-89
W/ Detention 500YRDET.DIF

TIMESTEP(HOUR) = .00500
NUMBER OF TIMESTEPS = 4800
OUTPUT INTERVAL(TIMESTEPS) = 2600
NUMBER OF NODAL POINTS = 96
UNIFORM GRID SIDE(FEET) = 660.00

NODAL POINT DATA ENTRY:

NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS FRICTION FACTOR
ELEV = NODAL POINT ELEVATION
DEPTH = WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV	DEPTH
1	.0	2.0	9.0	.0	.8000	1447.0	.0
2	.0	3.0	10.0	1.0	.8000	1450.0	.0
3	.0	4.0	11.0	2.0	.8000	1449.0	.0
4	.0	5.0	12.0	3.0	.8000	1452.0	.0
5	.0	6.0	13.0	4.0	.8000	1455.0	.0
6	.0	7.0	14.0	5.0	.8000	1458.0	.0
7	.0	8.0	15.0	6.0	.8000	1461.0	.0
8	.0	.0	16.0	7.0	.8000	1463.0	.0
9	1.0	10.0	17.0	.0	.8000	1443.0	.0
10	2.0	11.0	18.0	9.0	.8000	1446.0	.0
11	3.0	12.0	19.0	10.0	.8000	1446.0	.0
12	4.0	13.0	20.0	11.0	.8000	1448.0	.0
13	5.0	14.0	21.0	12.0	.8000	1451.0	.0
14	6.0	15.0	22.0	13.0	.8000	1456.0	.0
15	7.0	16.0	23.0	14.0	.8000	1458.0	.0
16	8.0	.0	24.0	15.0	.8000	1459.0	.0
17	9.0	18.0	25.0	.0	.8000	1438.0	.0
18	10.0	19.0	26.0	17.0	.8000	1440.0	.0
19	11.0	20.0	27.0	18.0	.8000	1443.0	.0
20	12.0	21.0	28.0	19.0	.8000	1445.0	.0
21	13.0	22.0	29.0	20.0	.8000	1449.0	.0
22	14.0	23.0	30.0	21.0	.8000	1452.0	.0
23	15.0	24.0	31.0	22.0	.8000	1454.0	.0
24	16.0	.0	32.0	23.0	.8000	1457.0	.0
25	17.0	26.0	33.0	.0	.8000	1435.0	.0
26	18.0	27.0	34.0	25.0	.8000	1436.0	.0
27	19.0	28.0	35.0	26.0	.8000	1439.0	.0
28	20.0	29.0	36.0	27.0	.8000	1444.0	.0
29	21.0	30.0	37.0	28.0	.8000	1446.0	.0
30	22.0	31.0	38.0	29.0	.8000	1447.0	.0
31	23.0	32.0	39.0	30.0	.8000	1451.0	.0
32	24.0	.0	40.0	31.0	.8000	1453.0	.0
33	25.0	34.0	41.0	.0	.8000	1430.0	.0
34	26.0	35.0	42.0	33.0	.8000	1433.0	.0
35	27.0	36.0	43.0	34.0	.8000	1437.0	.0
36	28.0	37.0	44.0	35.0	.8000	1441.0	.0
37	29.0	38.0	45.0	36.0	.8000	1443.0	.0
38	30.0	39.0	46.0	37.0	.8000	1445.0	.0
39	31.0	40.0	47.0	38.0	.8000	1448.0	.0
40	32.0	.0	48.0	39.0	.8000	1452.0	.0
41	33.0	42.0	49.0	.0	.8000	1427.0	.0
42	34.0	43.0	50.0	41.0	.8000	1433.0	.0
43	35.0	44.0	51.0	42.0	.8000	1435.0	.0

44	36.0	45.0	52.0	43.0	.8000	1437.0	.0
45	37.0	46.0	53.0	44.0	.8000	1440.0	.0
46	38.0	47.0	54.0	45.0	.8000	1442.0	.0
47	39.0	48.0	55.0	46.0	.8000	1445.0	.0
48	40.0	.0	56.0	47.0	.8000	1448.0	.0
49	41.0	50.0	57.0	.0	.8000	1427.0	.0
50	42.0	51.0	58.0	49.0	.8000	1430.0	.0
51	43.0	52.0	59.0	50.0	.8000	1433.0	.0
52	44.0	53.0	60.0	51.0	.8000	1435.0	.0
53	45.0	54.0	61.0	52.0	.8000	1437.0	.0
54	46.0	55.0	62.0	53.0	.8000	1439.0	.0
55	47.0	56.0	63.0	54.0	.8000	1443.0	.0
56	48.0	.0	64.0	55.0	.8000	1444.0	.0
57	49.0	58.0	65.0	.0	.8000	1425.0	.0
58	50.0	59.0	66.0	57.0	.8000	1427.0	.0
59	51.0	60.0	67.0	58.0	.8000	1430.0	.0
60	52.0	61.0	68.0	59.0	.8000	1432.0	.0
61	53.0	62.0	69.0	60.0	.8000	1435.0	.0
62	54.0	63.0	70.0	61.0	.8000	1439.0	.0
63	55.0	64.0	71.0	62.0	.8000	1440.0	.0
64	56.0	.0	72.0	63.0	.8000	1441.0	.0
65	57.0	66.0	73.0	.0	.8000	1423.0	.0
66	58.0	67.0	74.0	65.0	.8000	1425.0	.0
67	59.0	68.0	75.0	66.0	.8000	1428.0	.0
68	60.0	69.0	76.0	67.0	.8000	1431.0	.0
69	61.0	70.0	77.0	68.0	.8000	1434.0	.0
70	62.0	71.0	78.0	69.0	.8000	1436.0	.0
71	63.0	72.0	79.0	70.0	.8000	1437.0	.0
72	64.0	.0	80.0	71.0	.8000	1439.0	.0
73	65.0	74.0	81.0	.0	.8000	1422.0	.0
74	66.0	75.0	82.0	73.0	.8000	1425.0	.0
75	67.0	76.0	83.0	74.0	.8000	1428.0	.0
76	68.0	77.0	84.0	75.0	.8000	1430.0	.0
77	69.0	78.0	85.0	76.0	.8000	1432.0	.0
78	70.0	79.0	86.0	77.0	.8000	1433.0	.0
79	71.0	80.0	87.0	78.0	.8000	1434.0	.0
80	72.0	.0	88.0	79.0	.8000	1435.0	.0
81	73.0	82.0	89.0	.0	.8000	1422.0	.0
82	74.0	83.0	90.0	81.0	.8000	1425.0	.0
83	75.0	84.0	91.0	82.0	.8000	1427.0	.0
84	76.0	85.0	92.0	83.0	.8000	1429.0	.0
85	77.0	86.0	93.0	84.0	.8000	1430.0	.0
86	78.0	87.0	94.0	85.0	.8000	1431.0	.0
87	79.0	88.0	95.0	86.0	.8000	1431.0	.0
88	80.0	.0	96.0	87.0	.8000	1433.0	.0
89	81.0	90.0	.0	.0	.8000	1424.0	.0
90	82.0	91.0	.0	89.0	.8000	1425.0	.0
91	83.0	92.0	.0	90.0	.8000	1426.0	.0
92	84.0	93.0	.0	91.0	.8000	1427.0	.0
93	85.0	94.0	.0	92.0	.8000	1428.0	.0
94	86.0	95.0	.0	93.0	.8000	1428.0	.0
95	87.0	96.0	.0	94.0	.8000	1428.0	.0
96	88.0	.0	.0	95.0	.8000	1430.0	.0

NUMBER OF BOUNDARY CONDITION NODAL POINTS = 4

BOUNDARY CONDITION NODE NUMBERS:

8 32 48 64

NUMBER OF HYDROGRAPH RATE ENTRIES = 20

LINEAR FUCTION IN FLOWRATE(CFS) IN GRID ELEMENT:

HOUR	FLOWRATE/EACH BC NODE										
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12.0	.0	87.2	119.9	93.7	.0	.0	.0	.0	.0	.0
12.2	.0	160.0	213.1	132.7	.0	.0	.0	.0	.0	.0
12.3	.0	220.8	300.4	161.1	.0	.0	.0	.0	.0	.0
12.5	.0	267.8	377.5	180.4	.0	.0	.0	.0	.0	.0
12.6	.0	255.3	439.5	174.4	.0	.0	.0	.0	.0	.0
12.8	.0	148.5	456.6	118.8	.0	.0	.0	.0	.0	.0
13.0	.0	59.7	394.6	60.1	.0	.0	.0	.0	.0	.0
13.1	.9	24.7	319.6	27.7	.0	.0	.0	.0	.0	.0
13.3	5.1	6.0	259.2	11.3	.0	.0	.0	.0	.0	.0
13.4	8.2	.0	203.8	2.3	.0	.0	.0	.0	.0	.0
13.6	10.3	.0	156.9	.0	.0	.0	.0	.0	.0	.0
13.8	11.7	.0	117.8	.0	.0	.0	.0	.0	.0	.0
13.9	12.6	.0	84.7	.0	.0	.0	.0	.0	.0	.0
14.1	13.0	.0	59.2	.0	.0	.0	.0	.0	.0	.0
14.2	13.2	.0	40.6	.0	.0	.0	.0	.0	.0	.0
14.4	13.1	.0	27.3	.0	.0	.0	.0	.0	.0	.0
14.6	12.9	.0	17.7	.0	.0	.0	.0	.0	.0	.0
14.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

NUMBER OF CRITICAL-DEPTH OUTFLOW NODES = 16

CRITICAL-DEPTH OUTFLOW NODE NUMBERS:

25 33 41 49 57 65 73 81 89 90

91 92 93 94 95 96

UNIFORM EFFECTIVE RAINFALL ON DOMAIN AS LINEAR FU BETWEEN POINTS

HOUR	RAINFALL (IN/HR)
.00	.00
1.00	.03
2.00	.03
3.00	.03
4.00	.03
9.00	.03
10.00	.09
11.00	.10
12.00	1.13
13.00	1.13
14.00	.10
15.00	.09
16.00	.03
17.00	.03
18.00	.03
19.00	.03
20.00	.03
21.00	.03
24.00	.03
25.00	.00

MODEL TIME(HOURS) = 13.0002 INFLOW(CFS/LF) = .0787

1 N = .8000PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.171	1447.171	-.015	-.024	.029	.008	.005	-1.742	-2.761
2	.130	1450.130	-.008	-.021	.022	.007	.003	-.673	-1.800
3	.187	1449.187	-.009	-.021	.023	.006	.004	-1.067	-2.631
4	.153	1452.153	-.039	-.024	.046	.014	.007	-3.959	-2.441
5	.155	1455.155	-.037	-.025	.044	.014	.007	-3.739	-2.566
6	.162	1458.162	-.036	-.015	.039	.011	.006	-3.820	-1.647
7	.154	1461.154	-.032	-.020	.038	.012	.006	-3.293	-2.026
8	.142	1463.142	-.015	-.023	.028	.009	.004	-1.389	-2.197
9	.192	1443.192	-.017	-.052	.055	.014	.011	-2.166	-6.641
10	.151	1446.151	-.025	-.046	.052	.016	.008	-2.445	-4.631
11	.198	1446.198	-.018	-.037	.041	.011	.008	-2.403	-4.826
12	.184	1448.184	-.038	-.039	.055	.016	.010	-4.684	-4.793
13	.193	1451.193	-.044	-.031	.054	.015	.010	-5.580	-3.969
14	.165	1456.165	-.044	-.030	.053	.016	.009	-4.778	-3.290
15	.175	1458.175	-.027	-.033	.042	.013	.007	-3.058	-3.789
16	.175	1459.175	-.011	-.030	.032	.009	.006	-1.300	-3.451
17	.225	1438.225	-.015	-.035	.038	.009	.009	-2.270	-5.210
18	.175	1440.175	-.036	-.055	.066	.019	.012	-4.201	-6.345
19	.145	1443.145	-.037	-.074	.083	.026	.012	-3.520	-7.066
20	.174	1445.174	-.029	-.040	.049	.015	.009	-3.310	-4.629
21	.100	1449.100	-.026	-.136	.138	.045	.014	-1.721	-8.940
22	.099	1452.099	.000	-.025	.025	.007	.002	.000	-1.643
23	.100	1454.100	.000	-.218	.218	.061	.022	.000	-14.406
24	.100	1457.100	.000	-.019	.019	.005	.002	.000	-1.254
25	.025	1435.025	-.056	-.080	.097	.075	.002	-.942	-1.330
26	.247	1436.247	-.042	-.047	.063	.016	.016	-6.916	-7.654
27	.374	1439.374	-.063	-.044	.077	.015	.029	-15.570	-10.781
28	.343	1444.343	-.094	-.050	.106	.022	.036	-21.241	-11.248
29	.668	1446.668	-.092	-.061	.110	.016	.074	-40.436	-27.013
30	1.275	1448.275	-.102	-.033	.107	.011	.136	-85.449	-28.054
31	.992	1451.992	-.184	-.046	.189	.020	.188	-120.227	-29.831
32	1.678	1454.678	-.057	-.032	.066	.006	.110	-63.569	-34.957
33	.024	1430.024	-.103	.000	.103	.058	.002	-1.639	.000
34	.259	1433.259	-.046	-.027	.053	.013	.014	-7.800	-4.660
35	.326	1437.326	-.077	-.048	.090	.019	.029	-16.540	-10.249
36	.468	1441.468	-.073	-.068	.100	.018	.047	-22.563	-21.027
37	.598	1443.598	-.052	-.090	.104	.016	.062	-20.690	-35.428
38	.318	1445.318	-.054	-.237	.243	.046	.077	-11.445	-49.786
39	.101	1448.101	-.082	-.619	.624	.194	.063	-5.492	-41.246
40	.240	1452.240	-.016	-.503	.504	.093	.121	-2.552	-79.732
41	.022	1427.022	-.093	.000	.093	.054	.002	-1.371	.000
42	.187	1433.187	-.033	-.018	.038	.011	.007	-4.118	-2.281
43	.254	1435.254	-.049	-.039	.063	.015	.016	-8.231	-6.530
44	.406	1437.406	-.064	-.090	.111	.021	.045	-17.213	-24.219
45	.525	1440.525	-.121	-.144	.188	.032	.099	-41.850	-49.902
46	1.191	1443.191	-.145	-.110	.182	.021	.217	-114.203	-86.771
47	1.728	1446.728	-.185	-.058	.194	.016	.336	-211.243	-66.407
48	2.072	1450.073	-.093	-.117	.149	.013	.309	-127.160	-159.715
49	.021	1427.021	.000	.000	.000	.000	.000	.000	.000
50	.113	1430.113	-.016	-.141	.142	.041	.016	-1.208	-10.469
51	.128	1433.128	-.128	-.168	.212	.073	.027	-10.818	-14.196

52	.742	1435.742	-.114	-.112	.160	.023	.119	-56.050	-55.107
53	1.467	1438.467	-.118	-.093	.150	.015	.220	-113.815	-89.829
54	1.533	1440.533	-.097	-.089	.132	.013	.202	-98.401	-89.763
55	.211	1443.211	-.339	-.437	.553	.149	.117	-47.282	-60.825
56	1.105	1445.105	-.022	-.253	.254	.023	.280	-16.257	-184.232
57	.037	1425.037	-.322	.000	.322	.147	.012	-7.915	.000
58	.730	1427.730	-.080	-.087	.118	.017	.086	-38.709	-41.667
59	.917	1430.917	-.137	-.084	.160	.020	.147	-82.852	-50.628
60	1.490	1433.490	-.114	-.085	.142	.014	.212	-111.876	-83.797
61	1.112	1436.111	-.122	-.109	.164	.019	.182	-89.682	-79.869
62	.479	1439.479	-.166	-.142	.218	.039	.105	-52.555	-44.804
63	1.177	1441.177	-.111	-.101	.150	.017	.176	-85.981	-78.459
64	1.880	1442.880	-.051	-.112	.123	.010	.231	-63.289	-138.546
65	.073	1423.073	-.712	.000	.712	.232	.052	-34.463	.000
66	1.636	1426.636	-.110	-.058	.124	.012	.203	-118.339	-62.703
67	1.475	1429.475	-.138	-.064	.153	.015	.225	-134.604	-62.615
68	.927	1431.927	-.129	-.099	.162	.021	.151	-78.831	-60.619
69	.699	1434.699	-.112	-.079	.137	.020	.096	-51.678	-36.304
70	.875	1436.875	-.103	-.096	.141	.019	.123	-59.174	-55.621
71	1.377	1438.377	-.076	-.130	.151	.016	.208	-69.451	-118.174
72	.829	1439.829	-.062	-.200	.209	.025	.173	-33.852	-109.304
73	.036	1422.036	-.369	.000	.369	.172	.013	-8.722	.000
74	.709	1425.709	-.084	-.074	.112	.017	.079	-39.327	-34.629
75	.930	1428.930	-.091	-.075	.118	.015	.110	-56.018	-46.258
76	.793	1430.793	-.071	-.073	.101	.014	.080	-36.971	-38.047
77	.342	1432.342	-.118	-.131	.176	.038	.060	-26.643	-29.669
78	.971	1433.971	-.060	-.115	.130	.016	.126	-38.468	-73.982
79	.993	1434.993	-.072	-.180	.194	.022	.192	-46.995	-118.031
80	.994	1435.995	-.036	-.088	.095	.011	.094	-23.612	-57.509
81	.027	1422.027	-.195	.000	.195	.104	.005	-3.535	.000
82	.416	1425.416	-.102	-.022	.104	.017	.044	-28.062	-6.067
83	1.101	1428.101	-.095	-.049	.107	.012	.117	-68.781	-35.722
84	1.215	1430.215	-.100	-.048	.110	.012	.134	-79.913	-38.245
85	1.282	1431.282	-.087	-.047	.098	.010	.126	-73.387	-39.366
86	1.322	1432.322	-.078	-.075	.108	.012	.143	-68.177	-65.183
87	1.723	1432.723	-.041	-.091	.100	.009	.172	-46.724	-103.353
88	.229	1433.229	-.108	-.125	.165	.043	.038	-16.275	-18.813
89	.021	1424.021	.000	.000	.000	.000	.000	.000	.000
90	.023	1425.023	.000	-.077	.077	.045	.002	.000	-1.181
91	.045	1426.045	.000	-.454	.454	.188	.020	.000	-13.458
92	.058	1427.058	.000	-.523	.523	.191	.030	.000	-19.966
93	.060	1428.060	.000	-.554	.554	.199	.033	.000	-22.011
94	.066	1428.066	.000	-.611	.611	.209	.041	.000	-26.743
95	.088	1428.088	.000	-.749	.749	.223	.066	.000	-43.513
96	.024	1430.024	.000	-.086	.086	.049	.002	.000	-1.353

NODE	DEPTH	ELEVATION	TIME
1	.199	1447.199	13.720
2	.131	1450.131	13.155
3	.238	1449.238	13.945
4	.163	1452.163	13.410
5	.168	1455.167	13.490
6	.185	1458.185	13.695
7	.167	1461.167	13.495
8	.202	1463.202	14.595
9	.247	1443.247	13.910
10	.160	1446.160	13.410
11	.452	1446.452	16.375

12	.244	1448.244	14.435
13	.310	1451.310	15.305
14	.192	1456.192	13.730
15	.226	1458.226	15.215
16	.225	1459.225	15.010
17	.624	1438.624	15.930
18	.197	1440.197	13.545
19	.155	1443.155	13.505
20	.228	1445.229	15.715
21	.101	1449.101	12.225
22	.101	1452.101	12.710
23	.127	1454.127	19.175
24	.101	1457.101	12.730
25	.026	1435.026	15.935
26	.375	1436.375	14.420
27	.522	1439.522	17.325
28	.344	1444.344	13.205
29	.734	1446.734	13.810
30	1.331	1448.331	13.490
31	.994	1451.994	13.055
32	1.854	1454.854	12.705
33	.043	1430.043	16.330
34	1.016	1434.016	16.265
35	.429	1437.429	13.970
36	.482	1441.482	13.390
37	.656	1443.656	15.815
38	.353	1445.354	13.620
39	.102	1448.102	12.955
40	.250	1452.250	12.825
41	.030	1427.030	17.625
42	.628	1433.628	17.475
43	.546	1435.546	15.500
44	.570	1437.570	14.605
45	.606	1440.606	14.040
46	1.332	1443.332	13.710
47	1.807	1446.807	13.315
48	2.073	1450.073	12.985
49	.021	1427.021	12.995
50	.235	1430.235	23.999
51	.284	1433.284	16.070
52	.943	1435.943	15.145
53	1.584	1438.584	14.600
54	1.756	1440.756	14.270
55	.447	1443.447	5.245
56	1.284	1445.284	13.550
57	.037	1425.037	13.040
58	.912	1427.912	17.130
59	1.169	1431.169	15.870
60	1.728	1433.728	15.135
61	1.171	1436.171	9.245
62	.552	1439.552	7.650
63	1.183	1441.183	13.150
64	1.961	1442.961	12.730
65	.112	1423.112	17.095
66	2.377	1427.377	17.030
67	1.530	1429.530	12.565
68	1.270	1432.270	15.460
69	.810	1434.810	13.960
70	.879	1436.879	13.235
71	1.398	1438.398	13.410

500YR

72	.921	1439.922	3.920
73	.096	1422.096	17.145
74	1.958	1426.958	17.070
75	.931	1428.931	13.050
76	.977	1430.977	16.610
77	.862	1432.862	9.350
78	1.240	1434.240	7.785
79	1.267	1435.267	6.460
80	1.010	1436.010	13.385
81	.082	1422.082	16.795
82	1.738	1426.738	16.690
83	1.324	1428.324	13.775
84	1.229	1430.229	12.665
85	1.378	1431.378	15.160
86	1.444	1432.444	14.485
87	1.799	1432.799	14.105
88	.281	1433.281	6.620
89	.021	1424.021	12.995
90	.058	1425.058	16.815
91	.051	1426.051	13.610
92	.058	1427.058	12.765
93	.060	1428.060	13.025
94	.067	1428.067	13.355
95	.089	1428.089	13.265
96	.024	1430.024	13.025

500 yr

```
1          ******************************************************
           *       Structure Inventory for Damage Analysis      *
           *       Users Manual (June 1987)                     *
           *       Version  June 7, 1988                        *
           *       IBM-PC Compatible (MS)                       *
           *       Run date 19OCT89   time 13:22:13             *
           ******************************************************


                    SSSSSSSS   IIIIIIII   DDDDDDD
                    SS            II      DD     DD
                    SS            II      DD     DD
                    SSSSSSSS      II      DD     DD
                          SS      II      DD     DD
                          SS      II      DD     DD
                    SSSSSSSS   IIIIIIII   DDDDDDD


                  ****************************************
                  *  U.S. Army Corps of Engineers        *
                  *  The Hydrologic Engineering Center   *
                  *  609 Second Street, Suite B          *
                  *  Davis, California 95616             *
                  *  (916) 551-1748                      *
                  ****************************************

1
   FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
   JOB NO: P81-194-015     FILE: BC82.SID
   STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **


J1     0       0       0       0       3       0       0      -4       2       1

This job will perform the following
-----------------------------------------------------------------------------

IPOL    =     0, No raise-to-target elevation analysis to be considered for
                 this computer run

IPROF   =     0, No flood proofing analysis to be considered for this
                 computer run

IEVAC   =     0, No structure relocation will be considered for this
                 computer run

IPRNT   =     3, Suppress both damage function and structure printout

ITRACE  =     0, No trace output

ITYPE   =     4, Number of single events for which damage is calculated

                 Flood zone summary tables will not be printed

IAG     =     2, Aggregate damage reaches only for single event damage

ISAMP   =     1, Sample by damage reach
```

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

J2	4	7	64	.50	0	-1	6	1	0

Job Processing Information

NODF = 4 Number of Damage Functions

NODC = 7 Number of Damage Categories

NODR = 64 Number of Damage Reaches

AGG = .50, Aggregation interval (in feet)

NFILE = 0, Structure information file

IMAGE = -1, Images of input records will not be listed or echoed

IELV = 6, The number of elevations to be calculated for the elevation-damage relationships

IMARK = 1, The total (structure+contents+other) value will be used for the structure value flood zone summary

NDFILE = 0, Damage function file

Damage Categories

Damage Cat.	Damage Category Title	POLMAX	PRFMAX
SF	SINGLE FAMILY RESIDENTIAL STRUCTURE	.00	.00
MF	MULTI-FAMILY RESIDENTIAL STRUCTURE	.00	.00
MH	MOBILE HOME RESIDENTIAL STRUCTURE	.00	.00
COMM	COMMERCIAL STRUCTURE	.00	.00
RESCON	RESIDENTIAL CONTENTS	.00	.00
MHCON	MOBILE HOME CONTENTS	.00	.00
COMCON	COMMERCIAL STRUCTURE CONTENTS	.00	.00
OTHER	OTHER DAMAGE CATEGORIES	.00	.00

Content Category	Contents from structures of the following categories will be used for the content category
RESCON	SF MF

MHCON MH
COMCON COMM

Damage Reach Index Location Summary

Reach I.D.	Ref Flood Elev	Policy Flood Elev	Flood Proof Elev	Reloc- ation Elev	Start Damage Elev	Damage Elev Incr	Print Option Flag	Samplng Functn Flag
DR7	61.15	.00	.00	.00	61.00	.50	0	1
DR8	63.38	.00	.00	.00	63.00	.50	0	1
DR12	48.11	.00	.00	.00	48.00	.50	0	1
DR13	51.18	.00	.00	.00	51.00	.50	0	1
DR14	56.14	.00	.00	.00	56.00	.50	0	1
DR15	58.34	.00	.00	.00	58.00	.50	0	1
DR16	59.50	.00	.00	.00	59.00	.50	0	1
DR20	45.18	.00	.00	.00	45.00	.50	0	1
DR21	49.10	.00	.00	.00	49.00	.50	0	1
DR22	52.11	.00	.00	.00	52.00	.50	0	1
DR23	54.45	.00	.00	.00	54.00	.50	0	1
DR24	57.11	.00	.00	.00	57.00	.50	0	1
DR28	44.11	.00	.00	.00	44.00	.50	0	1
DR29	46.21	.00	.00	.00	46.00	.50	0	1
DR30	47.52	.00	.00	.00	47.00	.50	0	1
DR31	51.21	.00	.00	.00	51.00	.50	0	1
DR32	53.45	.00	.00	.00	53.00	.50	0	1
DR35	37.17	.00	.00	.00	37.00	.50	0	1
DR36	41.23	.00	.00	.00	41.00	.50	0	1
DR37	43.36	.00	.00	.00	43.00	.50	0	1
DR38	45.20	.00	.00	.00	45.00	.50	0	1
DR39	48.11	.00	.00	.00	48.00	.50	0	1
DR40	52.10	.00	.00	.00	52.00	.50	0	1
DR43	35.13	.00	.00	.00	35.00	.50	0	1
DR44	37.22	.00	.00	.00	37.00	.50	0	1
DR45	40.14	.00	.00	.00	40.00	.50	0	1
DR46	42.29	.00	.00	.00	42.00	.50	0	1
DR47	45.40	.00	.00	.00	45.00	.50	0	1
DR48	48.38	.00	.00	.00	48.00	.50	0	1
DR51	33.10	.00	.00	.00	33.00	.50	0	1
DR52	35.29	.00	.00	.00	35.00	.50	0	1
DR53	37.49	.00	.00	.00	37.00	.50	0	1
DR54	39.49	.00	.00	.00	39.00	.50	0	1
DR55	43.11	.00	.00	.00	43.00	.50	0	1
DR56	44.11	.00	.00	.00	44.00	.50	0	1
DR58	27.19	.00	.00	.00	27.00	.50	0	1
DR59	30.48	.00	.00	.00	30.00	.50	0	1
DR60	32.45	.00	.00	.00	32.00	.50	0	1
DR61	35.29	.00	.00	.00	35.00	.50	0	1
DR62	39.10	.00	.00	.00	39.00	.50	0	1
DR63	40.20	.00	.00	.00	40.00	.50	0	1
DR64	41.44	.00	.00	.00	41.00	.50	0	1
DR65	23.19	.00	.00	.00	23.00	.50	0	1
DR66	25.77	.00	.00	.00	25.00	.50	0	1
DR67	28.30	.00	.00	.00	28.00	.50	0	1
DR68	31.40	.00	.00	.00	31.00	.50	0	1
DR69	34.11	.00	.00	.00	34.00	.50	0	1

DR70	36.20	.00	.00	.00	36.00	.50	0	1
DR71	37.36	.00	.00	.00	37.00	.50	0	1
DR72	39.21	.00	.00	.00	39.00	.50	0	1
DR73	22.15	.00	.00	.00	22.00	.50	0	1
DR74	25.47	.00	.00	.00	25.00	.50	0	1
DR75	28.10	.00	.00	.00	28.00	.50	0	1
DR76	30.27	.00	.00	.00	30.00	.50	0	1
DR77	32.13	.00	.00	.00	32.00	.50	0	1
DR78	33.22	.00	.00	.00	33.00	.50	0	1
DR79	34.32	.00	.00	.00	34.00	.50	0	1
DR80	35.20	.00	.00	.00	35.00	.50	0	1
DR82	25.37	.00	.00	.00	25.00	.50	0	1
DR83	27.20	.00	.00	.00	27.00	.50	0	1
DR84	29.30	.00	.00	.00	29.00	.50	0	1
DR85	30.23	.00	.00	.00	30.00	.50	0	1
DR86	31.26	.00	.00	.00	31.00	.50	0	1
DR87	31.38	.00	.00	.00	31.00	.50	0	1

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FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS

JOB NO: P81-194-015 FILE: BC82.SID

STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Single Events for Damage Reaches

Damage Reach	10YEAR EVENT	50 YEAR EVENT	100 YEAR EVENT	500 YEAR EVENT
DR7	61.51	61.78	61.90	62.23
DR8	64.12	64.81	65.12	65.70
DR12	48.16	48.40	48.49	48.65
DR13	51.27	51.70	51.86	52.12
DR14	56.31	56.71	56.85	57.05
DR15	58.59	59.21	59.43	59.91
DR16	59.86	60.54	60.83	61.41
DR20	45.16	45.38	45.50	45.72
DR21	49.10	49.11	49.12	49.16
DR22	52.10	52.10	52.16	52.36
DR23	54.40	54.94	55.16	55.59
DR24	57.16	57.38	57.49	57.71
DR28	44.15	44.31	44.32	44.42
DR29	46.34	46.68	46.80	47.05
DR30	47.63	48.21	48.40	48.89
DR31	51.47	51.91	52.04	52.23
DR32	54.09	54.62	54.78	55.19
DR35	37.13	37.24	37.36	37.49
DR36	41.31	41.58	41.68	41.79
DR37	43.49	43.90	44.04	44.33
DR38	45.26	45.54	45.68	46.04
DR39	48.25	48.33	48.25	48.38
DR40	52.24	52.39	52.44	52.56
DR43	35.15	35.43	35.50	35.77
DR44	37.26	37.60	37.76	38.12
DR45	40.43	40.53	40.61	40.93
DR46	42.66	43.15	43.27	43.64
DR47	45.90	46.51	46.69	47.04
DR48	49.16	49.72	49.90	50.32
DR51	33.26	33.35	33.29	33.66

DR52	35.57	35.73	35.90	36.23
DR53	37.90	38.42	38.54	38.87
DR54	39.92	40.51	40.66	41.06
DR55	43.21	43.30	43.38	43.57
DR56	44.46	44.85	45.08	45.47
DR58	27.51	27.73	27.78	28.33
DR59	30.69	30.94	31.14	31.42
DR60	33.01	33.48	33.70	34.00
DR61	35.73	35.99	36.13	36.40
DR62	39.28	39.39	39.43	39.65
DR63	40.41	40.76	40.86	41.19
DR64	41.82	42.31	42.57	43.00
DR65	23.05	23.07	23.10	23.14
DR66	26.34	26.93	27.21	27.73
DR67	28.86	29.19	29.37	29.62
DR68	31.65	31.92	32.16	32.43
DR69	34.38	34.57	34.64	34.82
DR70	36.41	36.56	36.73	36.87
DR71	37.61	38.04	38.21	38.39
DR72	39.37	39.59	39.65	39.84
DR73	22.04	22.07	22.08	22.11
DR74	25.92	26.51	26.76	27.22
DR75	28.36	28.58	28.76	29.03
DR76	30.45	30.71	30.87	31.08
DR77	32.38	32.65	32.74	32.88
DR78	33.57	33.82	33.94	34.16
DR79	34.62	34.82	34.96	35.15
DR80	35.33	35.60	35.75	35.98
DR82	25.59	26.28	26.52	26.91
DR83	27.42	27.73	27.91	28.21
DR84	29.46	29.81	29.94	30.25
DR85	30.59	30.94	31.10	31.32
DR86	31.57	31.88	32.05	32.39
DR87	31.76	32.15	32.39	32.74

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FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Aggregated Damage Reach	Includes Damage Reaches									
TOTAL	DR7	DR8	DR12	DR13	DR14	DR15	DR16	DR20	DR21	DR22
	DR23	DR24	DR28	DR29	DR30	DR31	DR32	DR35	DR36	DR37
	DR38	DR39	DR40	DR43	DR44	DR45	DR46	DR47	DR48	DR51
	DR52	DR53	DR54	DR55	DR56	DR58	DR59	DR60	DR61	DR62
	DR63	DR64	DR65	DR66	DR67	DR68	DR69	DR70	DR71	DR72
	DR73	DR74	DR75	DR76	DR77	DR78	DR79	DR80	DR82	DR83
	DR84	DR85	DR86	DR87						

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FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR7
DIFFUSION MODEL NODE NO. 7

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(8.3)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
61.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61.00	2.6	.0	.0	.0	9.4	.0	.0	.0	.0	.0	12.0
61.00	7.9	.0	.0	.0	31.1	.0	.0	.0	.0	.0	39.0
61.00	10.1	.0	.0	.0	41.4	.0	.0	.0	.0	.0	51.6
61.00	12.7	.0	.0	.0	49.7	.0	.0	.0	.0	.0	62.3
61.00	15.0	.0	.0	.0	56.6	.0	.0	.0	.0	.0	71.6
(10YEAR)											
61.51	2.8	.0	.0	.0	10.4	.0	.0	.0	.0	.0	13.2
(50 YEAR)											
61.78	7.0	.0	.0	.0	26.4	.0	.0	.0	.0	.0	33.3
(100 YEAR)											
61.90	7.5	.0	.0	.0	28.9	.0	.0	.0	.0	.0	36.4
(500 YEAR)											
62.23	8.9	.0	.0	.0	36.0	.0	.0	.0	.0	.0	44.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR7
DIFFUSION MODEL NODE NO. 7
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
61.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61.00	31.0	.0	.0	.0	9.4	.0	.0	.0	.0	.0	40.4
61.00	95.6	.0	.0	.0	31.1	.0	.0	.0	.0	.0	126.7
61.00	122.2	.0	.0	.0	41.4	.0	.0	.0	.0	.0	163.7
61.00	152.8	.0	.0	.0	49.7	.0	.0	.0	.0	.0	202.4
61.00	180.2	.0	.0	.0	56.6	.0	.0	.0	.0	.0	236.8
(10YEAR)											
61.51	34.0	.0	.0	.0	10.4	.0	.0	.0	.0	.0	44.4
(50 YEAR)											
61.78	84.2	.0	.0	.0	26.4	.0	.0	.0	.0	.0	110.5
(100 YEAR)											
61.90	90.4	.0	.0	.0	28.9	.0	.0	.0	.0	.0	119.3

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 62.23 *	107.6 *	.0 *	.0 *	.0 *	36.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	143.5 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR8
DIFFUSION MODEL NODE NO. 8
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(4.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
63.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63.00	2.6	.0	.0	5.4	19.6	.0	1.4	.0	.0	.0	29.0
63.00	7.9	.0	.0	16.7	64.4	.0	4.4	.0	.0	.0	93.4
63.00	10.1	.0	.0	21.3	85.9	.0	5.5	.0	.0	.0	122.9
63.00	12.7	.0	.0	26.6	103.1	.0	6.5	.0	.0	.0	148.8
63.00	15.0	.0	.0	31.4	117.5	.0	7.3	.0	.0	.0	171.2
(10YEAR)											
64.12	8.5	.0	.0	17.8	69.8	.0	4.6	.0	.0	.0	100.6
(50 YEAR)											
64.81	11.7	.0	.0	24.6	96.8	.0	6.1	.0	.0	.0	139.2
(100 YEAR)											
65.12	13.3	.0	.0	27.9	107.0	.0	6.7	.0	.0	.0	154.9
(500 YEAR)											
65.70	15.3	.0	.0	32.1	119.5	.0	7.4	.0	.0	.0	174.2

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR8

DIFFUSION MODEL NODE NO. 8

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
63.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63.00	64.2	.0	.0	5.4	19.6	.0	1.4	.0	.0	.0	90.6
63.00	198.4	.0	.0	16.7	64.4	.0	4.4	.0	.0	.0	283.8
63.00	253.6	.0	.0	21.3	85.9	.0	5.5	.0	.0	.0	366.4
63.00	317.0	.0	.0	26.6	103.1	.0	6.5	.0	.0	.0	453.1
63.00	373.8	.0	.0	31.4	117.5	.0	7.3	.0	.0	.0	530.0
(10YEAR)											
64.12	211.3	.0	.0	17.8	69.8	.0	4.6	.0	.0	.0	303.5
(50 YEAR)											
64.81	292.4	.0	.0	24.6	96.8	.0	6.1	.0	.0	.0	419.9
(100 YEAR)											
65.12	332.5	.0	.0	27.9	107.0	.0	6.7	.0	.0	.0	474.1
(500 YEAR)											
65.70	381.6	.0	.0	32.1	119.5	.0	7.4	.0	.0	.0	540.5

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR12

DIFFUSION MODEL NODE NO. 12

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(7.1)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
48.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48.00	2.6	.0	.0	.0	11.0	.0	.0	.0	.0	.0	13.6
48.00	7.9	.0	.0	.0	36.3	.0	.0	.0	.0	.0	44.2
48.00	10.1	.0	.0	.0	48.4	.0	.0	.0	.0	.0	58.6
48.00	12.7	.0	.0	.0	58.1	.0	.0	.0	.0	.0	70.7
48.00	15.0	.0	.0	.0	66.2	.0	.0	.0	.0	.0	81.2
(10YEAR)											
48.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
48.40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 48.49 *	2.3 *	.0 *	.0 *	.0 *	9.9 *	.0 *	.0 *	.0 *	.0 *	.0 *	12.2 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 48.65 *	6.4 *	.0 *	.0 *	.0 *	27.6 *	.0 *	.0 *	.0 *	.0 *	.0 *	34.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR12
DIFFUSION MODEL NODE NO. 12
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
48.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48.00	36.2	.0	.0	.0	11.0	.0	.0	.0	.0	.0	47.2
48.00	111.8	.0	.0	.0	36.3	.0	.0	.0	.0	.0	148.1
48.00	142.9	.0	.0	.0	48.4	.0	.0	.0	.0	.0	191.3
48.00	178.6	.0	.0	.0	58.1	.0	.0	.0	.0	.0	236.6
48.00	210.6	.0	.0	.0	66.2	.0	.0	.0	.0	.0	276.8
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
48.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
48.40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
48.49	32.6	.0	.0	.0	9.9	.0	.0	.0	.0	.0	42.5
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
48.65	90.5	.0	.0	.0	27.6	.0	.0	.0	.0	.0	118.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR13
DIFFUSION MODEL NODE NO. 13

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(10.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
51.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51.00	2.6	20.6	.0	.0	14.1	.0	.0	.0	.0	.0	37.2
51.00	7.9	63.5	.0	.0	46.4	.0	.0	.0	.0	.0	117.8
51.00	10.1	81.2	.0	.0	61.9	.0	.0	.0	.0	.0	153.2
51.00	12.7	101.4	.0	.0	74.2	.0	.0	.0	.0	.0	188.3
51.00	15.0	119.6	.0	.0	84.6	.0	.0	.0	.0	.0	219.2
(10YEAR)											
51.27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
51.70	6.6	53.1	.0	.0	36.8	.0	.0	.0	.0	.0	96.6
(100 YEAR)											
51.86	7.3	58.6	.0	.0	41.9	.0	.0	.0	.0	.0	107.9
(500 YEAR)											
52.12	8.5	67.6	.0	.0	50.2	.0	.0	.0	.0	.0	126.3

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR13
DIFFUSION MODEL NODE NO. 13
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
51.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51.00	25.7	20.6	.0	.0	14.1	.0	.0	.0	.0	.0	60.3
51.00	79.3	63.5	.0	.0	46.4	.0	.0	.0	.0	.0	189.2
51.00	101.5	81.2	.0	.0	61.9	.0	.0	.0	.0	.0	244.5
51.00	126.8	101.4	.0	.0	74.2	.0	.0	.0	.0	.0	302.4
51.00	149.5	119.6	.0	.0	84.6	.0	.0	.0	.0	.0	353.7
(10YEAR)											
51.27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
51.70	66.4	53.1	.0	.0	36.8	.0	.0	.0	.0	.0	156.3
(100 YEAR)											
51.86	73.3	58.6	.0	.0	41.9	.0	.0	.0	.0	.0	173.9

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 52.12 *	84.5 *	67.6 *	.0 *	.0 *	50.2 *	.0 *	.0 *	.0 *	.0 *	.0 *	202.4 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR14
DIFFUSION MODEL NODE NO. 14
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(6.3)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
56.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56.00	2.6	.0	.0	.0	12.4	.0	.0	.0	.0	.0	15.0
56.00	7.9	.0	.0	.0	40.9	.0	.0	.0	.0	.0	48.9
56.00	10.1	.0	.0	.0	54.6	.0	.0	.0	.0	.0	64.7
56.00	12.7	.0	.0	.0	65.4	.0	.0	.0	.0	.0	78.1
56.00	15.0	.0	.0	.0	74.6	.0	.0	.0	.0	.0	89.6
(10YEAR)											
56.31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
56.71	6.7	.0	.0	.0	32.7	.0	.0	.0	.0	.0	39.4
(100 YEAR)											
56.85	7.3	.0	.0	.0	36.7	.0	.0	.0	.0	.0	44.0
(500 YEAR)											
57.05	8.2	.0	.0	.0	42.3	.0	.0	.0	.0	.0	50.5

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR14

DIFFUSION MODEL NODE NO. 14

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
56.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56.00	40.8	.0	.0	.0	12.4	.0	.0	.0	.0	.0	53.2
56.00	126.0	.0	.0	.0	40.9	.0	.0	.0	.0	.0	166.9
56.00	161.0	.0	.0	.0	54.6	.0	.0	.0	.0	.0	215.6
56.00	201.3	.0	.0	.0	65.4	.0	.0	.0	.0	.0	266.7
56.00	237.3	.0	.0	.0	74.6	.0	.0	.0	.0	.0	311.9
(10YEAR)											
56.31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
56.71	106.1	.0	.0	.0	32.7	.0	.0	.0	.0	.0	138.8
(100 YEAR)											
56.85	115.7	.0	.0	.0	36.7	.0	.0	.0	.0	.0	152.4
(500 YEAR)											
57.05	129.4	.0	.0	.0	42.3	.0	.0	.0	.0	.0	171.7

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR15

DIFFUSION MODEL NODE NO. 15

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(6.7)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
58.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58.00	2.6	.0	.0	.0	11.7	.0	.0	.0	.0	.0	14.3
58.00	7.9	.0	.0	.0	38.5	.0	.0	.0	.0	.0	46.4
58.00	10.1	.0	.0	.0	51.3	.0	.0	.0	.0	.0	61.4
58.00	12.7	.0	.0	.0	61.5	.0	.0	.0	.0	.0	74.2
58.00	15.0	.0	.0	.0	70.2	.0	.0	.0	.0	.0	85.1
(10YEAR)											
58.59	4.9	.0	.0	.0	22.2	.0	.0	.0	.0	.0	27.1
(50 YEAR)											
59.21	8.8	.0	.0	.0	44.0	.0	.0	.0	.0	.0	52.9

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 59.43 *	9.8 *	.0 *	.0 *	.0 *	49.7 *	.0 *	.0 *	.0 *	.0 *	.0 *	59.5 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 59.91 *	12.2 *	.0 *	.0 *	.0 *	59.8 *	.0 *	.0 *	.0 *	.0 *	.0 *	72.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR15
DIFFUSION MODEL NODE NO. 15
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
58.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58.00	38.3	.0	.0	.0	11.7	.0	.0	.0	.0	.0	50.0
58.00	118.4	.0	.0	.0	38.5	.0	.0	.0	.0	.0	156.9
58.00	151.4	.0	.0	.0	51.3	.0	.0	.0	.0	.0	202.7
58.00	189.2	.0	.0	.0	61.5	.0	.0	.0	.0	.0	250.8
58.00	223.2	.0	.0	.0	70.2	.0	.0	.0	.0	.0	293.3
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
58.59	72.9	.0	.0	.0	22.2	.0	.0	.0	.0	.0	95.1
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
59.21	132.0	.0	.0	.0	44.0	.0	.0	.0	.0	.0	176.0
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
59.43	146.4	.0	.0	.0	49.7	.0	.0	.0	.0	.0	196.1
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
59.91	182.3	.0	.0	.0	59.8	.0	.0	.0	.0	.0	242.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR16
DIFFUSION MODEL NODE NO. 16

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(8.3)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
59.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59.00	2.6	8.6	.0	.0	12.0	.0	.0	.0	.0	.0	23.2
59.00	7.9	26.5	.0	.0	39.6	.0	.0	.0	.0	.0	74.0
59.00	10.1	33.8	.0	.0	52.9	.0	.0	.0	.0	.0	96.8
59.00	12.7	42.3	.0	.0	63.4	.0	.0	.0	.0	.0	118.3
59.00	15.0	49.8	.0	.0	72.3	.0	.0	.0	.0	.0	137.1
(10YEAR)											
59.86	7.3	24.4	.0	.0	35.8	.0	.0	.0	.0	.0	67.6
(50 YEAR)											
60.54	10.3	34.5	.0	.0	53.8	.0	.0	.0	.0	.0	98.6
(100 YEAR)											
60.83	11.8	39.3	.0	.0	60.0	.0	.0	.0	.0	.0	111.1
(500 YEAR)											
61.41	14.8	49.2	.0	.0	71.6	.0	.0	.0	.0	.0	135.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR16
DIFFUSION MODEL NODE NO. 16
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
59.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59.00	31.0	8.6	.0	.0	12.0	.0	.0	.0	.0	.0	51.6
59.00	95.6	26.5	.0	.0	39.6	.0	.0	.0	.0	.0	161.7
59.00	122.2	33.8	.0	.0	52.9	.0	.0	.0	.0	.0	208.9
59.00	152.8	42.3	.0	.0	63.4	.0	.0	.0	.0	.0	258.4
59.00	180.2	49.8	.0	.0	72.3	.0	.0	.0	.0	.0	302.3
(10YEAR)											
59.86	88.3	24.4	.0	.0	35.8	.0	.0	.0	.0	.0	148.6
(50 YEAR)											
60.54	124.6	34.5	.0	.0	53.8	.0	.0	.0	.0	.0	212.8
(100 YEAR)											
60.83	142.2	39.3	.0	.0	60.0	.0	.0	.0	.0	.0	241.5

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 61.41 *	177.9 *	49.2 *	.0 *	.0 *	71.6 *	.0 *	.0 *	.0 *	.0 *	.0 *	298.7 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR20
DIFFUSION MODEL NODE NO. 20
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(20.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
45.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.00	2.6	.0	.0	.0	3.9	.0	.0	.0	.0	.0	6.5
45.00	7.9	.0	.0	.0	12.9	.0	.0	.0	.0	.0	20.8
45.00	10.1	.0	.0	.0	17.2	.0	.0	.0	.0	.0	27.3
45.00	12.7	.0	.0	.0	20.6	.0	.0	.0	.0	.0	33.3
45.00	15.0	.0	.0	.0	23.5	.0	.0	.0	.0	.0	38.5
(10YEAR)											
45.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
45.38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
45.50	2.6	.0	.0	.0	3.9	.0	.0	.0	.0	.0	6.5
(500 YEAR)											
45.72	6.7	.0	.0	.0	10.4	.0	.0	.0	.0	.0	17.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR20

DIFFUSION MODEL NODE NO. 20

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
45.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.00	12.8	.0	.0	.0	3.9	.0	.0	.0	.0	.0	16.8
45.00	39.7	.0	.0	.0	12.9	.0	.0	.0	.0	.0	52.6
45.00	50.7	.0	.0	.0	17.2	.0	.0	.0	.0	.0	67.9
45.00	63.4	.0	.0	.0	20.6	.0	.0	.0	.0	.0	84.0
45.00	74.8	.0	.0	.0	23.5	.0	.0	.0	.0	.0	98.3
(10YEAR)											
45.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
45.38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
45.50	12.8	.0	.0	.0	3.9	.0	.0	.0	.0	.0	16.8
(500 YEAR)											
45.72	33.6	.0	.0	.0	10.4	.0	.0	.0	.0	.0	44.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR21

DIFFUSION MODEL NODE NO. 21

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (10.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
49.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49.00	2.6	6.9	.0	.0	9.9	.0	.0	.0	.0	.0	19.3
49.00	7.9	21.2	.0	.0	32.7	.0	.0	.0	.0	.0	61.7
49.00	10.1	27.1	.0	.0	43.5	.0	.0	.0	.0	.0	80.7
49.00	12.7	33.8	.0	.0	52.2	.0	.0	.0	.0	.0	98.7
49.00	15.0	39.9	.0	.0	59.5	.0	.0	.0	.0	.0	114.4
(10YEAR)											
49.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
49.11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 49.12 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 49.16 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR21
DIFFUSION MODEL NODE NO. 21
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
49.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49.00	25.7	6.9	.0	.0	9.9	.0	.0	.0	.0	.0	42.5
49.00	79.3	21.2	.0	.0	32.7	.0	.0	.0	.0	.0	133.2
49.00	101.5	27.1	.0	.0	43.5	.0	.0	.0	.0	.0	172.1
49.00	126.8	33.8	.0	.0	52.2	.0	.0	.0	.0	.0	212.8
49.00	149.5	39.9	.0	.0	59.5	.0	.0	.0	.0	.0	248.9
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
49.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
49.11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
49.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
49.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR22
DIFFUSION MODEL NODE NO. 22

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(8.3)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
52.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52.00	2.6	.0	.0	.0	9.4	.0	.0	.0	.0	.0	12.0
52.00	7.9	.0	.0	.0	31.1	.0	.0	.0	.0	.0	39.0
52.00	10.1	.0	.0	.0	41.4	.0	.0	.0	.0	.0	51.6
52.00	12.7	.0	.0	.0	49.7	.0	.0	.0	.0	.0	62.3
52.00	15.0	.0	.0	.0	56.6	.0	.0	.0	.0	.0	71.6
(10YEAR)											
52.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
52.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
52.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
52.36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR22
DIFFUSION MODEL NODE NO. 22
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
52.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52.00	31.0	.0	.0	.0	9.4	.0	.0	.0	.0	.0	40.4
52.00	95.6	.0	.0	.0	31.1	.0	.0	.0	.0	.0	126.7
52.00	122.2	.0	.0	.0	41.4	.0	.0	.0	.0	.0	163.7
52.00	152.8	.0	.0	.0	49.7	.0	.0	.0	.0	.0	202.4
52.00	180.2	.0	.0	.0	56.6	.0	.0	.0	.0	.0	236.8
(10YEAR)											
52.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
52.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
52.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 52.36 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR23
DIFFUSION MODEL NODE NO. 23
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(5.6)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
54.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54.00	2.6	.0	.0	.0	14.0	.0	.0	.0	.0	.0	16.5
54.00	7.9	.0	.0	.0	46.0	.0	.0	.0	.0	.0	54.0
54.00	10.1	.0	.0	.0	61.4	.0	.0	.0	.0	.0	71.5
54.00	12.7	.0	.0	.0	73.6	.0	.0	.0	.0	.0	86.3
54.00	15.0	.0	.0	.0	83.9	.0	.0	.0	.0	.0	98.9
(10YEAR)											
54.40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
54.94	7.7	.0	.0	.0	44.1	.0	.0	.0	.0	.0	51.8
(100 YEAR)											
55.16	8.6	.0	.0	.0	51.1	.0	.0	.0	.0	.0	59.7
(500 YEAR)											
55.59	10.6	.0	.0	.0	63.8	.0	.0	.0	.0	.0	74.4

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR23

DIFFUSION MODEL NODE NO. 23

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
54.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54.00	45.9	.0	.0	.0	14.0	.0	.0	.0	.0	.0	59.9
54.00	141.7	.0	.0	.0	46.0	.0	.0	.0	.0	.0	187.7
54.00	181.2	.0	.0	.0	61.4	.0	.0	.0	.0	.0	242.6
54.00	226.4	.0	.0	.0	73.6	.0	.0	.0	.0	.0	300.0
54.00	267.0	.0	.0	.0	83.9	.0	.0	.0	.0	.0	350.9
(10YEAR)											
54.40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
54.94	137.1	.0	.0	.0	44.1	.0	.0	.0	.0	.0	181.2
(100 YEAR)											
55.16	154.0	.0	.0	.0	51.1	.0	.0	.0	.0	.0	205.1
(500 YEAR)											
55.59	188.9	.0	.0	.0	63.8	.0	.0	.0	.0	.0	252.7

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR24

DIFFUSION MODEL NODE NO. 24

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(6.3)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
57.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57.00	2.6	.0	.0	.0	12.4	.0	.0	.0	.0	.0	15.0
57.00	7.9	.0	.0	.0	40.9	.0	.0	.0	.0	.0	48.9
57.00	10.1	.0	.0	.0	54.6	.0	.0	.0	.0	.0	64.7
57.00	12.7	.0	.0	.0	65.4	.0	.0	.0	.0	.0	78.1
57.00	15.0	.0	.0	.0	74.6	.0	.0	.0	.0	.0	89.6
(10YEAR)											
57.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
57.38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 57.49 *	2.3 *	.0 *	.0 *	.0 *	11.2 *	.0 *	.0 *	.0 *	.0 *	.0 *	13.5 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 57.71 *	6.7 *	.0 *	.0 *	.0 *	32.7 *	.0 *	.0 *	.0 *	.0 *	.0 *	39.4 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR24
DIFFUSION MODEL NODE NO. 24
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
57.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57.00	40.8	.0	.0	.0	12.4	.0	.0	.0	.0	.0	53.2
57.00	126.0	.0	.0	.0	40.9	.0	.0	.0	.0	.0	166.9
57.00	161.0	.0	.0	.0	54.6	.0	.0	.0	.0	.0	215.6
57.00	201.3	.0	.0	.0	65.4	.0	.0	.0	.0	.0	266.7
57.00	237.3	.0	.0	.0	74.6	.0	.0	.0	.0	.0	311.9
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
57.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
57.38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
57.49	36.7	.0	.0	.0	11.2	.0	.0	.0	.0	.0	47.9
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
57.71	106.1	.0	.0	.0	32.7	.0	.0	.0	.0	.0	138.8

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR28
DIFFUSION MODEL NODE NO. 28

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
44.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
44.00	.0	38.5	.0	35.5	11.7	.0	9.4	.0	.0	.0	95.1
44.00	.0	119.0	.0	109.5	38.7	.0	28.6	.0	.0	.0	295.8
44.00	.0	152.2	.0	140.0	51.6	.0	36.0	.0	.0	.0	379.8
44.00	.0	190.2	.0	175.0	61.8	.0	42.5	.0	.0	.0	469.5
44.00	.0	224.3	.0	206.3	70.5	.0	48.1	.0	.0	.0	549.2
(10YEAR)											
44.15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
44.31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
44.32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
44.42	.0	7.7	.0	7.1	2.3	.0	1.9	.0	.0	.0	19.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR28
DIFFUSION MODEL NODE NO. 28
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
44.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
44.00	.0	38.5	.0	35.5	11.7	.0	9.4	.0	.0	.0	95.1
44.00	.0	119.0	.0	109.5	38.7	.0	28.6	.0	.0	.0	295.8
44.00	.0	152.2	.0	140.0	51.6	.0	36.0	.0	.0	.0	379.8
44.00	.0	190.2	.0	175.0	61.8	.0	42.5	.0	.0	.0	469.5
44.00	.0	224.3	.0	206.3	70.5	.0	48.1	.0	.0	.0	549.2
(10YEAR)											
44.15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
44.31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
44.32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 44.42 *	.0 *	7.7 *	.0 *	7.1 *	2.3 *	.0 *	1.9 *	.0 *	.0 *	.0 *	19.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR29
DIFFUSION MODEL NODE NO. 29
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(16.7)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
46.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
46.00	2.6	.0	.0	50.1	4.7	.0	13.2	.0	.0	.0	70.6
46.00	7.9	.0	.0	154.8	15.4	.0	40.5	.0	.0	.0	218.6
46.00	10.1	.0	.0	197.9	20.6	.0	50.9	.0	.0	.0	279.5
46.00	12.7	.0	.0	247.3	24.7	.0	60.0	.0	.0	.0	344.7
46.00	15.0	.0	.0	291.7	28.1	.0	67.9	.0	.0	.0	402.7
(10YEAR)											
46.34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
46.68	6.6	.0	.0	127.8	12.0	.0	33.7	.0	.0	.0	180.1
(100 YEAR)											
46.80	7.1	.0	.0	137.9	13.3	.0	36.2	.0	.0	.0	194.6
(500 YEAR)											
47.05	8.2	.0	.0	159.0	16.0	.0	41.5	.0	.0	.0	224.7

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR29

DIFFUSION MODEL NODE NO. 29

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
46.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
46.00	15.4	.0	.0	50.1	4.7	.0	13.2	.0	.0	.0	83.4
46.00	47.5	.0	.0	154.8	15.4	.0	40.5	.0	.0	.0	258.2
46.00	60.8	.0	.0	197.9	20.6	.0	50.9	.0	.0	.0	330.1
46.00	75.9	.0	.0	247.3	24.7	.0	60.0	.0	.0	.0	408.0
46.00	89.5	.0	.0	291.7	28.1	.0	67.9	.0	.0	.0	477.3
(10YEAR)											
46.34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
46.68	39.2	.0	.0	127.8	12.0	.0	33.7	.0	.0	.0	212.8
(100 YEAR)											
46.80	42.3	.0	.0	137.9	13.3	.0	36.2	.0	.0	.0	229.8
(500 YEAR)											
47.05	48.8	.0	.0	159.0	16.0	.0	41.5	.0	.0	.0	265.3

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR30

DIFFUSION MODEL NODE NO. 30

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (10.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
47.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47.00	2.6	.0	.0	42.4	7.8	.0	11.2	.0	.0	.0	64.0
47.00	7.9	.0	.0	131.0	25.8	.0	34.3	.0	.0	.0	198.9
47.00	10.1	.0	.0	167.5	34.4	.0	43.1	.0	.0	.0	255.1
47.00	12.7	.0	.0	209.3	41.2	.0	50.8	.0	.0	.0	314.0
47.00	15.0	.0	.0	246.8	47.0	.0	57.5	.0	.0	.0	366.2
(10YEAR)											
47.63	5.9	.0	.0	97.5	18.0	.0	25.7	.0	.0	.0	147.2
(50 YEAR)											
48.21	8.8	.0	.0	146.0	29.5	.0	38.0	.0	.0	.0	222.3

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 48.40 *	9.7 *	.0 *	.0 *	159.5 *	32.9 *	.0 *	41.4 *	.0 *	.0 *	.0 *	243.5 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 48.89 *	12.1 *	.0 *	.0 *	199.9 *	39.8 *	.0 *	49.1 *	.0 *	.0 *	.0 *	300.9 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR30
DIFFUSION MODEL NODE NO. 30
(Damages are in $1,000)

Damage Categories

* Elevation*	SF *	MF *	MH *	COMM *	RESCON *	MHCON *	COMCON *	OTHER *	*	*	Total *
* 47.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 47.00 *	25.7 *	.0 *	.0 *	42.4 *	7.8 *	.0 *	11.2 *	.0 *	.0 *	.0 *	87.1 *
* 47.00 *	79.3 *	.0 *	.0 *	131.0 *	25.8 *	.0 *	34.3 *	.0 *	.0 *	.0 *	270.4 *
* 47.00 *	101.5 *	.0 *	.0 *	167.5 *	34.4 *	.0 *	43.1 *	.0 *	.0 *	.0 *	346.4 *
* 47.00 *	126.8 *	.0 *	.0 *	209.3 *	41.2 *	.0 *	50.8 *	.0 *	.0 *	.0 *	428.1 *
* 47.00 *	149.5 *	.0 *	.0 *	246.8 *	47.0 *	.0 *	57.5 *	.0 *	.0 *	.0 *	500.8 *
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 47.63 *	59.1 *	.0 *	.0 *	97.5 *	18.0 *	.0 *	25.7 *	.0 *	.0 *	.0 *	200.4 *
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 48.21 *	88.4 *	.0 *	.0 *	146.0 *	29.5 *	.0 *	38.0 *	.0 *	.0 *	.0 *	301.9 *
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 48.40 *	96.6 *	.0 *	.0 *	159.5 *	32.9 *	.0 *	41.4 *	.0 *	.0 *	.0 *	330.4 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 48.89 *	121.1 *	.0 *	.0 *	199.9 *	39.8 *	.0 *	49.1 *	.0 *	.0 *	.0 *	409.9 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR31
DIFFUSION MODEL NODE NO. 31

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(16.7)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
51.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51.00	2.6	18.8	.0	18.5	10.4	.0	4.9	.0	.0	.0	55.2
51.00	7.9	58.2	.0	57.1	34.3	.0	14.9	.0	.0	.0	172.5
51.00	10.1	74.4	.0	73.1	45.8	.0	18.8	.0	.0	.0	222.2
51.00	12.7	93.0	.0	91.3	54.9	.0	22.2	.0	.0	.0	274.0
51.00	15.0	109.7	.0	107.7	62.6	.0	25.1	.0	.0	.0	319.9
(10YEAR)											
51.47	1.8	13.2	.0	12.9	7.3	.0	3.4	.0	.0	.0	38.7
(50 YEAR)											
51.91	7.5	55.3	.0	54.3	32.2	.0	14.2	.0	.0	.0	163.7
(100 YEAR)											
52.04	8.1	59.5	.0	58.4	35.3	.0	15.3	.0	.0	.0	176.5
(500 YEAR)											
52.23	8.9	65.5	.0	64.3	39.8	.0	16.7	.0	.0	.0	195.2

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR31
DIFFUSION MODEL NODE NO. 31
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
51.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51.00	15.4	18.8	.0	18.5	10.4	.0	4.9	.0	.0	.0	68.0
51.00	47.5	58.2	.0	57.1	34.3	.0	14.9	.0	.0	.0	212.1
51.00	60.8	74.4	.0	73.1	45.8	.0	18.8	.0	.0	.0	272.8
51.00	75.9	93.0	.0	91.3	54.9	.0	22.2	.0	.0	.0	337.3
51.00	89.5	109.7	.0	107.7	62.6	.0	25.1	.0	.0	.0	394.5
(10YEAR)											
51.47	10.8	13.2	.0	12.9	7.3	.0	3.4	.0	.0	.0	47.6
(50 YEAR)											
51.91	45.2	55.3	.0	54.3	32.2	.0	14.2	.0	.0	.0	201.3
(100 YEAR)											
52.04	48.5	59.5	.0	58.4	35.3	.0	15.3	.0	.0	.0	216.9

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 52.23 *	53.5 *	65.5 *	.0 *	64.3 *	39.8 *	.0 *	16.7 *	.0 *	.0 *	.0 *	239.7 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR32
DIFFUSION MODEL NODE NO. 32
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (20.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
53.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53.00	2.6	.0	.0	27.7	3.9	.0	7.3	.0	.0	.0	41.6
53.00	7.9	.0	.0	85.7	12.9	.0	22.4	.0	.0	.0	128.9
53.00	10.1	.0	.0	109.6	17.2	.0	28.2	.0	.0	.0	165.1
53.00	12.7	.0	.0	136.9	20.6	.0	33.2	.0	.0	.0	203.5
53.00	15.0	.0	.0	161.5	23.5	.0	37.6	.0	.0	.0	237.5
(10YEAR)											
54.09	8.3	.0	.0	89.9	13.7	.0	23.5	.0	.0	.0	135.4
(50 YEAR)											
54.62	10.7	.0	.0	115.8	18.1	.0	29.5	.0	.0	.0	174.1
(100 YEAR)											
54.78	11.5	.0	.0	124.7	19.2	.0	31.1	.0	.0	.0	186.4
(500 YEAR)											
55.19	13.7	.0	.0	147.5	21.9	.0	35.1	.0	.0	.0	218.2

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR32

DIFFUSION MODEL NODE NO. 32
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
53.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53.00	12.8	.0	.0	27.7	3.9	.0	7.3	.0	.0	.0	51.8
53.00	39.7	.0	.0	85.7	12.9	.0	22.4	.0	.0	.0	160.7
53.00	50.7	.0	.0	109.6	17.2	.0	28.2	.0	.0	.0	205.7
53.00	63.4	.0	.0	136.9	20.6	.0	33.2	.0	.0	.0	254.2
53.00	74.8	.0	.0	161.5	23.5	.0	37.6	.0	.0	.0	297.4
(10YEAR)											
54.09	41.6	.0	.0	89.9	13.7	.0	23.5	.0	.0	.0	168.7
(50 YEAR)											
54.62	53.6	.0	.0	115.8	18.1	.0	29.5	.0	.0	.0	217.0
(100 YEAR)											
54.78	57.7	.0	.0	124.7	19.2	.0	31.1	.0	.0	.0	232.6
(500 YEAR)											
55.19	68.3	.0	.0	147.5	21.9	.0	35.1	.0	.0	.0	272.8

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR35
DIFFUSION MODEL NODE NO. 35
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(11.1)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	2.6	41.1	.0	43.2	19.6	.0	11.4	.0	.0	.0	117.8
37.00	7.9	127.0	.0	133.3	64.5	.0	34.9	.0	.0	.0	367.5
37.00	10.1	162.3	.0	170.5	86.0	.0	43.8	.0	.0	.0	472.7
37.00	12.7	202.9	.0	213.0	103.1	.0	51.7	.0	.0	.0	583.3
37.00	15.0	239.2	.0	251.2	117.5	.0	58.5	.0	.0	.0	681.4
(10YEAR)											
37.13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
37.24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 37.36 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 37.49 *	2.3 *	37.0 *	.0 *	38.8 *	17.6 *	.0 *	10.2 *	.0 *	.0 *	.0 *	106.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR35
DIFFUSION MODEL NODE NO. 35
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	23.1	41.1	.0	43.2	19.6	.0	11.4	.0	.0	.0	138.4
37.00	71.5	127.0	.0	133.3	64.5	.0	34.9	.0	.0	.0	431.1
37.00	91.4	162.3	.0	170.5	86.0	.0	43.8	.0	.0	.0	554.0
37.00	114.2	202.9	.0	213.0	103.1	.0	51.7	.0	.0	.0	684.9
37.00	134.7	239.2	.0	251.2	117.5	.0	58.5	.0	.0	.0	801.2
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
37.13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
37.24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
37.36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
37.49	20.8	37.0	.0	38.8	17.6	.0	10.2	.0	.0	.0	124.5

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR36
DIFFUSION MODEL NODE NO. 36

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(5.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
41.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41.00	2.6	5.1	.0	18.5	17.2	.0	4.9	.0	.0	.0	48.3
41.00	7.9	15.9	.0	57.1	56.7	.0	14.9	.0	.0	.0	152.6
41.00	10.1	20.3	.0	73.1	75.6	.0	18.8	.0	.0	.0	197.9
41.00	12.7	25.4	.0	91.3	90.7	.0	22.2	.0	.0	.0	242.2
41.00	15.0	29.9	.0	107.7	103.4	.0	25.1	.0	.0	.0	281.0
(10YEAR)											
41.31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
41.58	4.6	9.2	.0	33.3	31.0	.0	8.8	.0	.0	.0	86.9
(100 YEAR)											
41.68	6.6	13.1	.0	47.2	44.2	.0	12.4	.0	.0	.0	123.5
(500 YEAR)											
41.79	7.0	14.1	.0	50.6	48.5	.0	13.3	.0	.0	.0	133.5

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR36
DIFFUSION MODEL NODE NO. 36
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
41.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41.00	51.4	5.1	.0	18.5	17.2	.0	4.9	.0	.0	.0	97.1
41.00	158.7	15.9	.0	57.1	56.7	.0	14.9	.0	.0	.0	303.4
41.00	202.9	20.3	.0	73.1	75.6	.0	18.8	.0	.0	.0	390.7
41.00	253.6	25.4	.0	91.3	90.7	.0	22.2	.0	.0	.0	483.1
41.00	299.0	29.9	.0	107.7	103.4	.0	25.1	.0	.0	.0	565.1
(10YEAR)											
41.31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
41.58	92.5	9.2	.0	33.3	31.0	.0	8.8	.0	.0	.0	174.8
(100 YEAR)											
41.68	131.1	13.1	.0	47.2	44.2	.0	12.4	.0	.0	.0	248.0

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 41.79 *	140.6 *	14.1 *	.0 *	50.6 *	48.5 *	.0 *	13.3 *	.0 *	.0 *	.0 *	267.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR37
DIFFUSION MODEL NODE NO. 37
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(11.1)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
43.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43.00	2.6	44.5	.0	49.3	20.6	.0	13.0	.0	.0	.0	130.1
43.00	7.9	137.5	.0	152.4	67.9	.0	39.8	.0	.0	.0	405.6
43.00	10.1	175.9	.0	194.8	90.5	.0	50.1	.0	.0	.0	521.4
43.00	12.7	219.8	.0	243.4	108.6	.0	59.1	.0	.0	.0	643.6
43.00	15.0	259.2	.0	287.1	123.8	.0	66.9	.0	.0	.0	751.9
(10YEAR)											
43.49	2.3	40.1	.0	44.4	18.6	.0	11.7	.0	.0	.0	117.1
(50 YEAR)											
43.90	7.5	130.1	.0	144.1	63.2	.0	37.8	.0	.0	.0	382.6
(100 YEAR)											
44.04	8.1	140.5	.0	155.7	69.8	.0	40.7	.0	.0	.0	414.8
(500 YEAR)											
44.33	9.4	162.3	.0	179.7	83.3	.0	46.7	.0	.0	.0	481.4

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR37

DIFFUSION MODEL NODE NO. 37

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
43.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43.00	23.1	44.5	.0	49.3	20.6	.0	13.0	.0	.0	.0	150.6
43.00	71.5	137.5	.0	152.4	67.9	.0	39.8	.0	.0	.0	469.1
43.00	91.4	175.9	.0	194.8	90.5	.0	50.1	.0	.0	.0	602.7
43.00	114.2	219.8	.0	243.4	108.6	.0	59.1	.0	.0	.0	745.1
43.00	134.7	259.2	.0	287.1	123.8	.0	66.9	.0	.0	.0	871.6
(10YEAR)											
43.49	20.8	40.1	.0	44.4	18.6	.0	11.7	.0	.0	.0	135.6
(50 YEAR)											
43.90	67.6	130.1	.0	144.1	63.2	.0	37.8	.0	.0	.0	442.7
(100 YEAR)											
44.04	73.0	140.5	.0	155.7	69.8	.0	40.7	.0	.0	.0	479.7
(500 YEAR)											
44.33	84.3	162.3	.0	179.7	83.3	.0	46.7	.0	.0	.0	556.4

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR38

DIFFUSION MODEL NODE NO. 38

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
45.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.00	.0	83.9	.0	72.5	25.6	.0	19.1	.0	.0	.0	201.1
45.00	.0	259.2	.0	223.8	84.2	.0	58.5	.0	.0	.0	625.7
45.00	.0	331.4	.0	286.1	112.3	.0	73.6	.0	.0	.0	803.4
45.00	.0	414.2	.0	357.5	134.7	.0	86.8	.0	.0	.0	993.2
45.00	.0	488.4	.0	421.7	153.5	.0	98.2	.0	.0	.0	1161.8
(10YEAR)											
45.26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
45.54	.0	117.5	.0	101.4	35.8	.0	26.8	.0	.0	.0	281.5

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 45.68 *	.0 *	214.1 *	.0 *	184.8 *	65.7 *	.0 *	48.7 *	.0 *	.0 *	.0 *	513.2 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 46.04 *	.0 *	264.9 *	.0 *	228.6 *	86.5 *	.0 *	59.7 *	.0 *	.0 *	.0 *	639.8 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR38
DIFFUSION MODEL NODE NO. 38
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
45.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.00	.0	83.9	.0	72.5	25.6	.0	19.1	.0	.0	.0	201.1
45.00	.0	259.2	.0	223.8	84.2	.0	58.5	.0	.0	.0	625.7
45.00	.0	331.4	.0	286.1	112.3	.0	73.6	.0	.0	.0	803.4
45.00	.0	414.2	.0	357.5	134.7	.0	86.8	.0	.0	.0	993.2
45.00	.0	488.4	.0	421.7	153.5	.0	98.2	.0	.0	.0	1161.8
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
45.26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
45.54	.0	117.5	.0	101.4	35.8	.0	26.8	.0	.0	.0	281.5
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
45.68	.0	214.1	.0	184.8	65.7	.0	48.7	.0	.0	.0	513.2
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
46.04	.0	264.9	.0	228.6	86.5	.0	59.7	.0	.0	.0	639.8

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR39
DIFFUSION MODEL NODE NO. 39

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
48.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48.00	.0	.0	.0	101.7	.0	.0	26.8	.0	.0	.0	128.6
48.00	.0	.0	.0	314.2	.0	.0	82.2	.0	.0	.0	396.4
48.00	.0	.0	.0	401.8	.0	.0	103.3	.0	.0	.0	505.1
48.00	.0	.0	.0	502.1	.0	.0	121.9	.0	.0	.0	624.0
48.00	.0	.0	.0	592.1	.0	.0	137.9	.0	.0	.0	730.0
(10YEAR)											
48.25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
48.33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
48.25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
48.38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR39
DIFFUSION MODEL NODE NO. 39
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
48.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48.00	.0	.0	.0	101.7	.0	.0	26.8	.0	.0	.0	128.6
48.00	.0	.0	.0	314.2	.0	.0	82.2	.0	.0	.0	396.4
48.00	.0	.0	.0	401.8	.0	.0	103.3	.0	.0	.0	505.1
48.00	.0	.0	.0	502.1	.0	.0	121.9	.0	.0	.0	624.0
48.00	.0	.0	.0	592.1	.0	.0	137.9	.0	.0	.0	730.0
(10YEAR)											
48.25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
48.33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
48.25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 48.38 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR40
DIFFUSION MODEL NODE NO. 40
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
52.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52.00	.0	24.0	.0	41.6	7.3	.0	11.0	.0	.0	.0	83.9
52.00	.0	74.1	.0	128.5	24.1	.0	33.6	.0	.0	.0	260.3
52.00	.0	94.7	.0	164.4	32.1	.0	42.3	.0	.0	.0	333.4
52.00	.0	118.3	.0	205.4	38.5	.0	49.9	.0	.0	.0	412.1
52.00	.0	139.6	.0	242.2	43.9	.0	56.4	.0	.0	.0	482.1
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
52.24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
52.39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
52.44	.0	9.6	.0	16.6	2.9	.0	4.4	.0	.0	.0	33.6
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
52.56	.0	38.4	.0	66.6	11.7	.0	17.6	.0	.0	.0	134.2

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR40

DIFFUSION MODEL NODE NO. 40

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
52.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52.00	.0	24.0	.0	41.6	7.3	.0	11.0	.0	.0	.0	83.9
52.00	.0	74.1	.0	128.5	24.1	.0	33.6	.0	.0	.0	260.3
52.00	.0	94.7	.0	164.4	32.1	.0	42.3	.0	.0	.0	333.4
52.00	.0	118.3	.0	205.4	38.5	.0	49.9	.0	.0	.0	412.1
52.00	.0	139.6	.0	242.2	43.9	.0	56.4	.0	.0	.0	482.1
(10YEAR)											
52.24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
52.39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
52.44	.0	9.6	.0	16.6	2.9	.0	4.4	.0	.0	.0	33.6
(500 YEAR)											
52.56	.0	38.4	.0	66.6	11.7	.0	17.6	.0	.0	.0	134.2

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR43

DIFFUSION MODEL NODE NO. 43

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(2.9)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
35.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.00	2.6	.0	.0	.0	27.0	.0	.0	.0	.0	.0	29.6
35.00	7.9	.0	.0	.0	88.9	.0	.0	.0	.0	.0	96.8
35.00	10.1	.0	.0	.0	118.5	.0	.0	.0	.0	.0	128.7
35.00	12.7	.0	.0	.0	142.1	.0	.0	.0	.0	.0	154.8
35.00	15.0	.0	.0	.0	162.1	.0	.0	.0	.0	.0	177.0
(10YEAR)											
35.15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
35.43	.8	.0	.0	.0	8.1	.0	.0	.0	.0	.0	8.9

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 35.50 *	2.6 *	.0 *	.0 *	.0 *	27.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	29.6 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 35.77 *	6.9 *	.0 *	.0 *	.0 *	74.8 *	.0 *	.0 *	.0 *	.0 *	.0 *	81.8 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR43
DIFFUSION MODEL NODE NO. 43
(Damages are in $1,000)

Damage Categories

* Elevation*	SF *	MF *	MH *	COMM *	RESCON *	MHCON *	COMCON *	OTHER *	*	*	Total *
* 35.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 35.00 *	88.6 *	.0 *	.0 *	.0 *	27.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	115.6 *
* 35.00 *	273.6 *	.0 *	.0 *	.0 *	88.9 *	.0 *	.0 *	.0 *	.0 *	.0 *	362.5 *
* 35.00 *	349.9 *	.0 *	.0 *	.0 *	118.5 *	.0 *	.0 *	.0 *	.0 *	.0 *	468.4 *
* 35.00 *	437.2 *	.0 *	.0 *	.0 *	142.1 *	.0 *	.0 *	.0 *	.0 *	.0 *	579.3 *
* 35.00 *	515.6 *	.0 *	.0 *	.0 *	162.1 *	.0 *	.0 *	.0 *	.0 *	.0 *	677.7 *
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 35.15 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 35.43 *	26.6 *	.0 *	.0 *	.0 *	8.1 *	.0 *	.0 *	.0 *	.0 *	.0 *	34.7 *
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 35.50 *	88.6 *	.0 *	.0 *	.0 *	27.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	115.6 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 35.77 *	239.4 *	.0 *	.0 *	.0 *	74.8 *	.0 *	.0 *	.0 *	.0 *	.0 *	314.2 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR44
DIFFUSION MODEL NODE NO. 44

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(2.1)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	2.6	.0	.0	.0	37.3	.0	.0	.0	.0	.0	39.8
37.00	7.9	.0	.0	.0	122.8	.0	.0	.0	.0	.0	130.7
37.00	10.1	.0	.0	.0	163.7	.0	.0	.0	.0	.0	173.8
37.00	12.7	.0	.0	.0	196.3	.0	.0	.0	.0	.0	209.0
37.00	15.0	.0	.0	.0	223.8	.0	.0	.0	.0	.0	238.8
(10YEAR)											
37.26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
37.60	5.1	.0	.0	.0	74.5	.0	.0	.0	.0	.0	79.7
(100 YEAR)											
37.76	6.9	.0	.0	.0	102.5	.0	.0	.0	.0	.0	109.4
(500 YEAR)											
38.12	8.5	.0	.0	.0	132.9	.0	.0	.0	.0	.0	141.3

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR44
DIFFUSION MODEL NODE NO. 44
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	122.3	.0	.0	.0	37.3	.0	.0	.0	.0	.0	159.6
37.00	377.9	.0	.0	.0	122.8	.0	.0	.0	.0	.0	500.6
37.00	483.1	.0	.0	.0	163.7	.0	.0	.0	.0	.0	646.8
37.00	603.8	.0	.0	.0	196.3	.0	.0	.0	.0	.0	800.0
37.00	712.0	.0	.0	.0	223.8	.0	.0	.0	.0	.0	935.8
(10YEAR)											
37.26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
37.60	244.7	.0	.0	.0	74.5	.0	.0	.0	.0	.0	319.2
(100 YEAR)											
37.76	328.5	.0	.0	.0	102.5	.0	.0	.0	.0	.0	431.0

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 38.12 *	402.5 *	.0 *	.0 *	.0 *	132.9 *	.0 *	.0 *	.0 *	.0 *	.0 *	535.4 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR45
DIFFUSION MODEL NODE NO. 45
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (2.3)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
40.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.00	.0	.0	1.4	.0	.0	14.8	.0	.0	.0	.0	16.2
40.00	.0	.0	4.4	.0	.0	81.7	.0	.0	.0	.0	86.2
40.00	.0	.0	5.7	.0	.0	145.3	.0	.0	.0	.0	151.0
40.00	.0	.0	7.1	.0	.0	207.3	.0	.0	.0	.0	214.4
(10YEAR)											
40.43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
40.53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
40.61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
40.93	.0	.0	.4	.0	.0	4.4	.0	.0	.0	.0	4.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR45

DIFFUSION MODEL NODE NO. 45
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
40.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.00	.0	.0	62.6	.0	.0	14.8	.0	.0	.0	.0	77.3
40.00	.0	.0	193.2	.0	.0	81.7	.0	.0	.0	.0	274.9
40.00	.0	.0	247.0	.0	.0	145.3	.0	.0	.0	.0	392.4
40.00	.0	.0	308.7	.0	.0	207.3	.0	.0	.0	.0	516.0
(10YEAR)											
40.43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
40.53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
40.61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
40.93	.0	.0	18.8	.0	.0	4.4	.0	.0	.0	.0	23.2

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1
FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR46
DIFFUSION MODEL NODE NO. 46
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(100.0)	(100.0)	(1.4)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
42.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
42.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
42.00	.0	.0	1.4	.0	.0	24.3	.0	.0	.0	.0	25.7
42.00	.0	.0	4.4	.0	.0	134.2	.0	.0	.0	.0	138.7
42.00	.0	.0	5.7	.0	.0	238.8	.0	.0	.0	.0	244.5
42.00	.0	.0	7.1	.0	.0	340.6	.0	.0	.0	.0	347.7
(10YEAR)											
42.66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
43.15	.0	.0	3.6	.0	.0	60.7	.0	.0	.0	.0	64.3

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 43.27 *	.0 *	.0 *	3.9 *	.0 *	.0 *	85.9 *	.0 *	.0 *	.0 *	.0 *	89.8 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 43.64 *	.0 *	.0 *	4.8 *	.0 *	.0 *	163.6 *	.0 *	.0 *	.0 *	.0 *	168.4 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR46
DIFFUSION MODEL NODE NO. 46
(Damages are in $1,000)

Damage Categories

* Elevation*	SF *	MF *	MH *	COMM *	RESCON *	MHCON *	COMCON *	OTHER *	*	*	Total *
* 42.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 42.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 42.00 *	.0 *	.0 *	102.8 *	.0 *	.0 *	24.3 *	.0 *	.0 *	.0 *	.0 *	127.1 *
* 42.00 *	.0 *	.0 *	317.4 *	.0 *	.0 *	134.2 *	.0 *	.0 *	.0 *	.0 *	451.6 *
* 42.00 *	.0 *	.0 *	405.8 *	.0 *	.0 *	238.8 *	.0 *	.0 *	.0 *	.0 *	644.6 *
* 42.00 *	.0 *	.0 *	507.2 *	.0 *	.0 *	340.6 *	.0 *	.0 *	.0 *	.0 *	847.8 *
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 42.66 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 43.15 *	.0 *	.0 *	256.9 *	.0 *	.0 *	60.7 *	.0 *	.0 *	.0 *	.0 *	317.7 *
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 43.27 *	.0 *	.0 *	277.7 *	.0 *	.0 *	85.9 *	.0 *	.0 *	.0 *	.0 *	363.6 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 43.64 *	.0 *	.0 *	341.6 *	.0 *	.0 *	163.6 *	.0 *	.0 *	.0 *	.0 *	505.2 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR47
DIFFUSION MODEL NODE NO. 47

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (1.2)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
45.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.00	.0	.0	1.4	.0	.0	28.3	.0	.0	.0	.0	29.8
45.00	.0	.0	4.4	.0	.0	156.6	.0	.0	.0	.0	161.1
45.00	.0	.0	5.7	.0	.0	278.6	.0	.0	.0	.0	284.3
45.00	.0	.0	7.1	.0	.0	397.4	.0	.0	.0	.0	404.5
(10YEAR)											
45.90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
46.51	.0	.0	4.5	.0	.0	159.1	.0	.0	.0	.0	163.5
(100 YEAR)											
46.69	.0	.0	4.9	.0	.0	203.2	.0	.0	.0	.0	208.1
(500 YEAR)											
47.04	.0	.0	5.8	.0	.0	288.2	.0	.0	.0	.0	294.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR47
DIFFUSION MODEL NODE NO. 47
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
45.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.00	.0	.0	119.9	.0	.0	28.3	.0	.0	.0	.0	148.2
45.00	.0	.0	370.3	.0	.0	156.6	.0	.0	.0	.0	526.9
45.00	.0	.0	473.5	.0	.0	278.6	.0	.0	.0	.0	752.1
45.00	.0	.0	591.7	.0	.0	397.4	.0	.0	.0	.0	989.0
(10YEAR)											
45.90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
46.51	.0	.0	372.3	.0	.0	159.1	.0	.0	.0	.0	531.4
(100 YEAR)											
46.69	.0	.0	408.6	.0	.0	203.2	.0	.0	.0	.0	611.8

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 47.04 *	.0 *	.0 *	482.5 *	.0 *	.0 *	288.2 *	.0 *	.0 *	.0 *	.0 *	770.7 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR48
DIFFUSION MODEL NODE NO. 48
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
48.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48.00	.0	51.4	.0	37.0	15.7	.0	9.8	.0	.0	.0	113.8
48.00	.0	158.7	.0	114.3	51.6	.0	29.9	.0	.0	.0	354.4
48.00	.0	202.9	.0	146.1	68.7	.0	37.6	.0	.0	.0	455.3
48.00	.0	253.6	.0	182.6	82.4	.0	44.3	.0	.0	.0	562.9
48.00	.0	299.0	.0	215.3	94.0	.0	50.1	.0	.0	.0	658.5
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
49.16	.0	172.5	.0	124.2	57.2	.0	32.4	.0	.0	.0	386.4
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
49.72	.0	224.6	.0	161.7	75.1	.0	40.6	.0	.0	.0	502.1
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
49.90	.0	243.2	.0	175.1	79.8	.0	43.0	.0	.0	.0	541.2
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
50.32	.0	286.6	.0	206.4	90.8	.0	48.6	.0	.0	.0	632.4

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR48

DIFFUSION MODEL NODE NO. 48

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
48.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48.00	.0	51.4	.0	37.0	15.7	.0	9.8	.0	.0	.0	113.8
48.00	.0	158.7	.0	114.3	51.6	.0	29.9	.0	.0	.0	354.4
48.00	.0	202.9	.0	146.1	68.7	.0	37.6	.0	.0	.0	455.3
48.00	.0	253.6	.0	182.6	82.4	.0	44.3	.0	.0	.0	562.9
48.00	.0	299.0	.0	215.3	94.0	.0	50.1	.0	.0	.0	658.5
(10YEAR)											
49.16	.0	172.5	.0	124.2	57.2	.0	32.4	.0	.0	.0	386.4
(50 YEAR)											
49.72	.0	224.6	.0	161.7	75.1	.0	40.6	.0	.0	.0	502.1
(100 YEAR)											
49.90	.0	243.2	.0	175.1	79.8	.0	43.0	.0	.0	.0	541.2
(500 YEAR)											
50.32	.0	286.6	.0	206.4	90.8	.0	48.6	.0	.0	.0	632.4

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR51

DIFFUSION MODEL NODE NO. 51

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(2.6)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
33.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33.00	2.6	.0	.0	.0	30.1	.0	.0	.0	.0	.0	32.7
33.00	7.9	.0	.0	.0	99.1	.0	.0	.0	.0	.0	107.1
33.00	10.1	.0	.0	.0	132.2	.0	.0	.0	.0	.0	142.4
33.00	12.7	.0	.0	.0	158.5	.0	.0	.0	.0	.0	171.2
33.00	15.0	.0	.0	.0	180.8	.0	.0	.0	.0	.0	195.7
(10YEAR)											
33.26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
33.35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 33.29 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 33.66 *	6.5 *	.0 *	.0 *	.0 *	75.9 *	.0 *	.0 *	.0 *	.0 *	.0 *	82.4 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR51
DIFFUSION MODEL NODE NO. 51
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
33.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33.00	98.8	.0	.0	.0	30.1	.0	.0	.0	.0	.0	128.9
33.00	305.2	.0	.0	.0	99.1	.0	.0	.0	.0	.0	404.3
33.00	390.2	.0	.0	.0	132.2	.0	.0	.0	.0	.0	522.4
33.00	487.6	.0	.0	.0	158.5	.0	.0	.0	.0	.0	646.2
33.00	575.1	.0	.0	.0	180.8	.0	.0	.0	.0	.0	755.9
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
33.26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
33.35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
33.29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
33.66	248.7	.0	.0	.0	75.9	.0	.0	.0	.0	.0	324.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR52
DIFFUSION MODEL NODE NO. 52

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(2.6)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
35.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.00	2.6	.0	.0	.0	30.1	.0	.0	.0	.0	.0	32.7
35.00	7.9	.0	.0	.0	99.1	.0	.0	.0	.0	.0	107.1
35.00	10.1	.0	.0	.0	132.2	.0	.0	.0	.0	.0	142.4
35.00	12.7	.0	.0	.0	158.5	.0	.0	.0	.0	.0	171.2
35.00	15.0	.0	.0	.0	180.8	.0	.0	.0	.0	.0	195.7
(10YEAR)											
35.57	4.4	.0	.0	.0	51.2	.0	.0	.0	.0	.0	55.5
(50 YEAR)											
35.73	6.8	.0	.0	.0	80.7	.0	.0	.0	.0	.0	87.5
(100 YEAR)											
35.90	7.5	.0	.0	.0	92.3	.0	.0	.0	.0	.0	99.8
(500 YEAR)											
36.23	8.9	.0	.0	.0	114.8	.0	.0	.0	.0	.0	123.8

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR52
DIFFUSION MODEL NODE NO. 52
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
35.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.00	98.8	.0	.0	.0	30.1	.0	.0	.0	.0	.0	128.9
35.00	305.2	.0	.0	.0	99.1	.0	.0	.0	.0	.0	404.3
35.00	390.2	.0	.0	.0	132.2	.0	.0	.0	.0	.0	522.4
35.00	487.6	.0	.0	.0	158.5	.0	.0	.0	.0	.0	646.2
35.00	575.1	.0	.0	.0	180.8	.0	.0	.0	.0	.0	755.9
(10YEAR)											
35.57	168.0	.0	.0	.0	51.2	.0	.0	.0	.0	.0	219.2
(50 YEAR)											
35.73	260.3	.0	.0	.0	80.7	.0	.0	.0	.0	.0	341.0
(100 YEAR)											
35.90	288.6	.0	.0	.0	92.3	.0	.0	.0	.0	.0	380.9

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 36.23 *	343.4 *	.0 *	.0 *	.0 *	114.8 *	.0 *	.0 *	.0 *	.0 *	.0 *	458.2 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR53
DIFFUSION MODEL NODE NO. 53
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (1.4)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	.0	.0	1.4	.0	.0	24.3	.0	.0	.0	.0	25.7
37.00	.0	.0	4.4	.0	.0	134.2	.0	.0	.0	.0	138.7
37.00	.0	.0	5.7	.0	.0	238.8	.0	.0	.0	.0	244.5
37.00	.0	.0	7.1	.0	.0	340.6	.0	.0	.0	.0	347.7
(10YEAR)											
37.90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
38.42	.0	.0	4.3	.0	.0	117.4	.0	.0	.0	.0	121.7
(100 YEAR)											
38.54	.0	.0	4.5	.0	.0	142.6	.0	.0	.0	.0	147.2
(500 YEAR)											
38.87	.0	.0	5.3	.0	.0	211.9	.0	.0	.0	.0	217.3

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR53

DIFFUSION MODEL NODE NO. 53

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	.0	.0	102.8	.0	.0	24.3	.0	.0	.0	.0	127.1
37.00	.0	.0	317.4	.0	.0	134.2	.0	.0	.0	.0	451.6
37.00	.0	.0	405.8	.0	.0	238.8	.0	.0	.0	.0	644.6
37.00	.0	.0	507.2	.0	.0	340.6	.0	.0	.0	.0	847.8
(10YEAR)											
37.90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
38.42	.0	.0	303.6	.0	.0	117.4	.0	.0	.0	.0	421.0
(100 YEAR)											
38.54	.0	.0	324.3	.0	.0	142.6	.0	.0	.0	.0	466.9
(500 YEAR)											
38.87	.0	.0	381.3	.0	.0	211.9	.0	.0	.0	.0	593.3

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR54

DIFFUSION MODEL NODE NO. 54

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(2.6)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
39.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39.00	2.6	.0	.0	.0	30.1	.0	.0	.0	.0	.0	32.7
39.00	7.9	.0	.0	.0	99.1	.0	.0	.0	.0	.0	107.1
39.00	10.1	.0	.0	.0	132.2	.0	.0	.0	.0	.0	142.4
39.00	12.7	.0	.0	.0	158.5	.0	.0	.0	.0	.0	171.2
39.00	15.0	.0	.0	.0	180.8	.0	.0	.0	.0	.0	195.7
(10YEAR)											
39.92	7.6	.0	.0	.0	93.7	.0	.0	.0	.0	.0	101.3
(50 YEAR)											
40.51	10.2	.0	.0	.0	132.8	.0	.0	.0	.0	.0	143.0

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 40.66 *	10.9 *	.0 *	.0 *	.0 *	141.4 *	.0 *	.0 *	.0 *	.0 *	.0 *	152.3 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 41.06 *	13.0 *	.0 *	.0 *	.0 *	161.6 *	.0 *	.0 *	.0 *	.0 *	.0 *	174.6 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR54
DIFFUSION MODEL NODE NO. 54
(Damages are in $1,000)

Damage Categories

* Elevation*	SF *	MF *	MH *	COMM *	RESCON *	MHCON *	COMCON *	OTHER *	*	*	Total *
* 39.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 39.00 *	98.8 *	.0 *	.0 *	.0 *	30.1 *	.0 *	.0 *	.0 *	.0 *	.0 *	128.9 *
* 39.00 *	305.2 *	.0 *	.0 *	.0 *	99.1 *	.0 *	.0 *	.0 *	.0 *	.0 *	404.3 *
* 39.00 *	390.2 *	.0 *	.0 *	.0 *	132.2 *	.0 *	.0 *	.0 *	.0 *	.0 *	522.4 *
* 39.00 *	487.6 *	.0 *	.0 *	.0 *	158.5 *	.0 *	.0 *	.0 *	.0 *	.0 *	646.2 *
* 39.00 *	575.1 *	.0 *	.0 *	.0 *	180.8 *	.0 *	.0 *	.0 *	.0 *	.0 *	755.9 *
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 39.92 *	291.9 *	.0 *	.0 *	.0 *	93.7 *	.0 *	.0 *	.0 *	.0 *	.0 *	385.6 *
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 40.51 *	392.1 *	.0 *	.0 *	.0 *	132.8 *	.0 *	.0 *	.0 *	.0 *	.0 *	524.9 *
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 40.66 *	420.1 *	.0 *	.0 *	.0 *	141.4 *	.0 *	.0 *	.0 *	.0 *	.0 *	561.4 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 41.06 *	499.6 *	.0 *	.0 *	.0 *	161.6 *	.0 *	.0 *	.0 *	.0 *	.0 *	661.1 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR55
DIFFUSION MODEL NODE NO. 55

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
43.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43.00	.0	68.5	.0	.0	20.9	.0	.0	.0	.0	.0	89.4
43.00	.0	211.6	.0	.0	68.7	.0	.0	.0	.0	.0	280.3
43.00	.0	270.6	.0	.0	91.7	.0	.0	.0	.0	.0	362.2
43.00	.0	338.1	.0	.0	109.9	.0	.0	.0	.0	.0	448.0
43.00	.0	398.7	.0	.0	125.3	.0	.0	.0	.0	.0	524.1
(10YEAR)											
43.21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
43.30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
43.38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
43.57	.0	116.5	.0	.0	35.5	.0	.0	.0	.0	.0	151.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR55
DIFFUSION MODEL NODE NO. 55
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
43.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43.00	.0	68.5	.0	.0	20.9	.0	.0	.0	.0	.0	89.4
43.00	.0	211.6	.0	.0	68.7	.0	.0	.0	.0	.0	280.3
43.00	.0	270.6	.0	.0	91.7	.0	.0	.0	.0	.0	362.2
43.00	.0	338.1	.0	.0	109.9	.0	.0	.0	.0	.0	448.0
43.00	.0	398.7	.0	.0	125.3	.0	.0	.0	.0	.0	524.1
(10YEAR)											
43.21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
43.30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
43.38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 43.57 *	.0 *	116.5 *	.0 *	.0 *	35.5 *	.0 *	.0 *	.0 *	.0 *	.0 *	151.9 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR56
DIFFUSION MODEL NODE NO. 56
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(11.1)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
44.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
44.00	2.6	83.9	.0	54.0	32.6	.0	14.2	.0	.0	.0	187.3
44.00	7.9	259.2	.0	166.6	107.4	.0	43.6	.0	.0	.0	584.8
44.00	10.1	331.4	.0	213.1	143.3	.0	54.8	.0	.0	.0	752.7
44.00	12.7	414.2	.0	266.3	171.8	.0	64.6	.0	.0	.0	929.5
44.00	15.0	488.4	.0	314.0	195.9	.0	73.1	.0	.0	.0	1086.4
(10YEAR)											
44.46	1.5	50.4	.0	32.4	19.6	.0	8.5	.0	.0	.0	112.4
(50 YEAR)											
44.85	7.3	238.0	.0	153.0	96.3	.0	40.2	.0	.0	.0	534.8
(100 YEAR)											
45.08	8.3	270.5	.0	173.9	113.3	.0	45.4	.0	.0	.0	611.4
(500 YEAR)											
45.47	10.0	326.7	.0	210.0	141.4	.0	54.2	.0	.0	.0	742.3

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR56

DIFFUSION MODEL NODE NO. 56

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
44.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
44.00	23.1	83.9	.0	54.0	32.6	.0	14.2	.0	.0	.0	207.9
44.00	71.5	259.2	.0	166.6	107.4	.0	43.6	.0	.0	.0	648.3
44.00	91.4	331.4	.0	213.1	143.3	.0	54.8	.0	.0	.0	833.9
44.00	114.2	414.2	.0	266.3	171.8	.0	64.6	.0	.0	.0	1031.1
44.00	134.7	488.4	.0	314.0	195.9	.0	73.1	.0	.0	.0	1206.2
(10YEAR)											
44.46	13.9	50.4	.0	32.4	19.6	.0	8.5	.0	.0	.0	124.7
(50 YEAR)											
44.85	65.6	238.0	.0	153.0	96.3	.0	40.2	.0	.0	.0	593.2
(100 YEAR)											
45.08	74.6	270.5	.0	173.9	113.3	.0	45.4	.0	.0	.0	677.7
(500 YEAR)											
45.47	90.1	326.7	.0	210.0	141.4	.0	54.2	.0	.0	.0	822.4

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR58

DIFFUSION MODEL NODE NO. 58

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (1.4)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
27.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27.00	.0	.0	1.4	.0	.0	24.3	.0	.0	.0	.0	25.7
27.00	.0	.0	4.4	.0	.0	134.2	.0	.0	.0	.0	138.7
27.00	.0	.0	5.7	.0	.0	238.8	.0	.0	.0	.0	244.5
27.00	.0	.0	7.1	.0	.0	340.6	.0	.0	.0	.0	347.7
(10YEAR)											
27.51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
27.73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 27.78 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 28.33 *	.0 *	.0 *	4.0 *	.0 *	.0 *	98.5 *	.0 *	.0 *	.0 *	.0 *	102.6 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR58
DIFFUSION MODEL NODE NO. 58
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
27.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27.00	.0	.0	102.8	.0	.0	24.3	.0	.0	.0	.0	127.1
27.00	.0	.0	317.4	.0	.0	134.2	.0	.0	.0	.0	451.6
27.00	.0	.0	405.8	.0	.0	238.8	.0	.0	.0	.0	644.6
27.00	.0	.0	507.2	.0	.0	340.6	.0	.0	.0	.0	847.8
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
27.51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
27.73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
27.78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
28.33	.0	.0	288.0	.0	.0	98.5	.0	.0	.0	.0	386.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR59
DIFFUSION MODEL NODE NO. 59

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(2.1)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
30.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.00	2.6	.0	.0	.0	37.3	.0	.0	.0	.0	.0	39.8
30.00	7.9	.0	.0	.0	122.8	.0	.0	.0	.0	.0	130.7
30.00	10.1	.0	.0	.0	163.7	.0	.0	.0	.0	.0	173.8
30.00	12.7	.0	.0	.0	196.3	.0	.0	.0	.0	.0	209.0
30.00	15.0	.0	.0	.0	223.8	.0	.0	.0	.0	.0	238.8
(10YEAR)											
30.69	6.6	.0	.0	.0	96.6	.0	.0	.0	.0	.0	103.2
(50 YEAR)											
30.94	7.7	.0	.0	.0	117.7	.0	.0	.0	.0	.0	125.4
(100 YEAR)											
31.14	8.5	.0	.0	.0	134.6	.0	.0	.0	.0	.0	143.1
(500 YEAR)											
31.42	9.8	.0	.0	.0	158.0	.0	.0	.0	.0	.0	167.7

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR59
DIFFUSION MODEL NODE NO. 59
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
30.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.00	122.3	.0	.0	.0	37.3	.0	.0	.0	.0	.0	159.6
30.00	377.9	.0	.0	.0	122.8	.0	.0	.0	.0	.0	500.6
30.00	483.1	.0	.0	.0	163.7	.0	.0	.0	.0	.0	646.8
30.00	603.8	.0	.0	.0	196.3	.0	.0	.0	.0	.0	800.0
30.00	712.0	.0	.0	.0	223.8	.0	.0	.0	.0	.0	935.8
(10YEAR)											
30.69	314.1	.0	.0	.0	96.6	.0	.0	.0	.0	.0	410.6
(50 YEAR)											
30.94	365.5	.0	.0	.0	117.7	.0	.0	.0	.0	.0	483.2
(100 YEAR)											
31.14	406.7	.0	.0	.0	134.6	.0	.0	.0	.0	.0	541.2

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 31.42 *	464.7 *	.0 *	.0 *	.0 *	158.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	622.7 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR60
DIFFUSION MODEL NODE NO. 60
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (2.2)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
32.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
32.00	2.6	.0	.0	.0	35.6	.0	.0	.0	.0	.0	38.1
32.00	7.9	.0	.0	.0	117.2	.0	.0	.0	.0	.0	125.1
32.00	10.1	.0	.0	.0	156.2	.0	.0	.0	.0	.0	166.4
32.00	12.7	.0	.0	.0	187.4	.0	.0	.0	.0	.0	200.0
32.00	15.0	.0	.0	.0	213.6	.0	.0	.0	.0	.0	228.6
(10YEAR)											
33.01	8.0	.0	.0	.0	118.0	.0	.0	.0	.0	.0	126.0
(50 YEAR)											
33.48	10.0	.0	.0	.0	154.9	.0	.0	.0	.0	.0	164.9
(100 YEAR)											
33.70	11.1	.0	.0	.0	169.4	.0	.0	.0	.0	.0	180.6
(500 YEAR)											
34.00	12.7	.0	.0	.0	187.4	.0	.0	.0	.0	.0	200.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR60

DIFFUSION MODEL NODE NO. 60

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
32.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
32.00	116.8	.0	.0	.0	35.6	.0	.0	.0	.0	.0	152.4
32.00	360.7	.0	.0	.0	117.2	.0	.0	.0	.0	.0	477.9
32.00	461.2	.0	.0	.0	156.2	.0	.0	.0	.0	.0	617.4
32.00	576.3	.0	.0	.0	187.4	.0	.0	.0	.0	.0	763.7
32.00	679.7	.0	.0	.0	213.6	.0	.0	.0	.0	.0	893.3
(10YEAR)											
33.01	362.6	.0	.0	.0	118.0	.0	.0	.0	.0	.0	480.6
(50 YEAR)											
33.48	456.8	.0	.0	.0	154.9	.0	.0	.0	.0	.0	611.7
(100 YEAR)											
33.70	505.8	.0	.0	.0	169.4	.0	.0	.0	.0	.0	675.3
(500 YEAR)											
34.00	576.3	.0	.0	.0	187.4	.0	.0	.0	.0	.0	763.7

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR61

DIFFUSION MODEL NODE NO. 61

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(6.7)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
35.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.00	2.6	41.1	.0	.0	24.2	.0	.0	.0	.0	.0	67.9
35.00	7.9	127.0	.0	.0	79.7	.0	.0	.0	.0	.0	214.6
35.00	10.1	162.3	.0	.0	106.3	.0	.0	.0	.0	.0	278.8
35.00	12.7	202.9	.0	.0	127.5	.0	.0	.0	.0	.0	343.0
35.00	15.0	239.2	.0	.0	145.4	.0	.0	.0	.0	.0	399.5
(10YEAR)											
35.73	6.8	108.3	.0	.0	64.9	.0	.0	.0	.0	.0	180.0
(50 YEAR)											
35.99	7.9	126.3	.0	.0	79.2	.0	.0	.0	.0	.0	213.3

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 36.13 *	8.5 *	135.9 *	.0 *	.0 *	86.9 *	.0 *	.0 *	.0 *	.0 *	.0 *	231.3 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 36.40 *	9.7 *	154.6 *	.0 *	.0 *	101.7 *	.0 *	.0 *	.0 *	.0 *	.0 *	265.9 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR61
DIFFUSION MODEL NODE NO. 61
(Damages are in $1,000)

Damage Categories

* Elevation*	SF *	MF *	MH *	COMM *	RESCON *	MHCON *	COMCON *	OTHER *	*	*	Total *
* 35.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 35.00 *	38.3 *	41.1 *	.0 *	.0 *	24.2 *	.0 *	.0 *	.0 *	.0 *	.0 *	103.7 *
* 35.00 *	118.4 *	127.0 *	.0 *	.0 *	79.7 *	.0 *	.0 *	.0 *	.0 *	.0 *	325.1 *
* 35.00 *	151.4 *	162.3 *	.0 *	.0 *	106.3 *	.0 *	.0 *	.0 *	.0 *	.0 *	420.1 *
* 35.00 *	189.2 *	202.9 *	.0 *	.0 *	127.5 *	.0 *	.0 *	.0 *	.0 *	.0 *	519.6 *
* 35.00 *	223.2 *	239.2 *	.0 *	.0 *	145.4 *	.0 *	.0 *	.0 *	.0 *	.0 *	607.8 *
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 35.73 *	101.0 *	108.3 *	.0 *	.0 *	64.9 *	.0 *	.0 *	.0 *	.0 *	.0 *	274.2 *
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 35.99 *	117.8 *	126.3 *	.0 *	.0 *	79.2 *	.0 *	.0 *	.0 *	.0 *	.0 *	323.2 *
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 36.13 *	126.8 *	135.9 *	.0 *	.0 *	86.9 *	.0 *	.0 *	.0 *	.0 *	.0 *	349.6 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 36.40 *	144.2 *	154.6 *	.0 *	.0 *	101.7 *	.0 *	.0 *	.0 *	.0 *	.0 *	400.5 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR62
DIFFUSION MODEL NODE NO. 62

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(1.7)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
39.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39.00	2.6	.0	.0	.0	46.0	.0	.0	.0	.0	.0	48.6
39.00	7.9	.0	.0	.0	151.6	.0	.0	.0	.0	.0	159.6
39.00	10.1	.0	.0	.0	202.2	.0	.0	.0	.0	.0	212.3
39.00	12.7	.0	.0	.0	242.5	.0	.0	.0	.0	.0	255.1
39.00	15.0	.0	.0	.0	276.5	.0	.0	.0	.0	.0	291.4
(10YEAR)											
39.28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
39.39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
39.43	.8	.0	.0	.0	13.8	.0	.0	.0	.0	.0	14.6
(500 YEAR)											
39.65	6.4	.0	.0	.0	115.1	.0	.0	.0	.0	.0	121.5

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR62
DIFFUSION MODEL NODE NO. 62
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
39.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39.00	151.1	.0	.0	.0	46.0	.0	.0	.0	.0	.0	197.2
39.00	466.8	.0	.0	.0	151.6	.0	.0	.0	.0	.0	618.4
39.00	596.8	.0	.0	.0	202.2	.0	.0	.0	.0	.0	799.0
39.00	745.8	.0	.0	.0	242.5	.0	.0	.0	.0	.0	988.3
39.00	879.6	.0	.0	.0	276.5	.0	.0	.0	.0	.0	1156.0
(10YEAR)											
39.28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
39.39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
39.43	45.3	.0	.0	.0	13.8	.0	.0	.0	.0	.0	59.1

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 39.65 *	377.8 *	.0 *	.0 *	.0 *	115.1 *	.0 *	.0 *	.0 *	.0 *	.0 *	492.9 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR63
DIFFUSION MODEL NODE NO. 63
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
40.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.00	.0	116.5	.0	.0	35.5	.0	.0	.0	.0	.0	151.9
40.00	.0	359.7	.0	.0	116.9	.0	.0	.0	.0	.0	476.6
40.00	.0	459.9	.0	.0	155.8	.0	.0	.0	.0	.0	615.8
40.00	.0	574.8	.0	.0	186.9	.0	.0	.0	.0	.0	761.6
40.00	.0	677.8	.0	.0	213.1	.0	.0	.0	.0	.0	890.9
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
40.41	.0	11.6	.0	.0	3.5	.0	.0	.0	.0	.0	15.2
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
40.76	.0	312.7	.0	.0	97.6	.0	.0	.0	.0	.0	410.3
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
40.86	.0	332.3	.0	.0	105.6	.0	.0	.0	.0	.0	437.9
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
41.19	.0	396.9	.0	.0	132.1	.0	.0	.0	.0	.0	529.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR63

DIFFUSION MODEL NODE NO. 63

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
40.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.00	.0	116.5	.0	.0	35.5	.0	.0	.0	.0	.0	151.9
40.00	.0	359.7	.0	.0	116.9	.0	.0	.0	.0	.0	476.6
40.00	.0	459.9	.0	.0	155.8	.0	.0	.0	.0	.0	615.8
40.00	.0	574.8	.0	.0	186.9	.0	.0	.0	.0	.0	761.6
40.00	.0	677.8	.0	.0	213.1	.0	.0	.0	.0	.0	890.9
(10YEAR)											
40.41	.0	11.6	.0	.0	3.5	.0	.0	.0	.0	.0	15.2
(50 YEAR)											
40.76	.0	312.7	.0	.0	97.6	.0	.0	.0	.0	.0	410.3
(100 YEAR)											
40.86	.0	332.3	.0	.0	105.6	.0	.0	.0	.0	.0	437.9
(500 YEAR)											
41.19	.0	396.9	.0	.0	132.1	.0	.0	.0	.0	.0	529.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR64

DIFFUSION MODEL NODE NO. 64

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(33.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
41.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41.00	2.6	39.4	.0	18.5	14.4	.0	4.9	.0	.0	.0	79.7
41.00	7.9	121.7	.0	57.1	47.3	.0	14.9	.0	.0	.0	249.0
41.00	10.1	155.6	.0	73.1	63.1	.0	18.8	.0	.0	.0	320.7
41.00	12.7	194.4	.0	91.3	75.7	.0	22.2	.0	.0	.0	396.2
41.00	15.0	229.3	.0	107.7	86.3	.0	25.1	.0	.0	.0	463.3
(10YEAR)											
41.82	7.2	109.7	.0	51.5	41.5	.0	13.5	.0	.0	.0	223.4
(50 YEAR)											
42.31	9.3	142.2	.0	66.8	57.4	.0	17.4	.0	.0	.0	293.1

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 42.57 *	10.5 *	160.8 *	.0 *	75.5 *	65.0 *	.0 *	19.3 *	.0 *	.0 *	.0 *	331.0 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 43.00 *	12.7 *	194.4 *	.0 *	91.3 *	75.7 *	.0 *	22.2 *	.0 *	.0 *	.0 *	396.2 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR64
DIFFUSION MODEL NODE NO. 64
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
41.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41.00	7.8	39.4	.0	18.5	14.4	.0	4.9	.0	.0	.0	84.9
41.00	24.0	121.7	.0	57.1	47.3	.0	14.9	.0	.0	.0	265.1
41.00	30.7	155.6	.0	73.1	63.1	.0	18.8	.0	.0	.0	341.3
41.00	38.4	194.4	.0	91.3	75.7	.0	22.2	.0	.0	.0	422.0
41.00	45.3	229.3	.0	107.7	86.3	.0	25.1	.0	.0	.0	493.6
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
41.82	21.7	109.7	.0	51.5	41.5	.0	13.5	.0	.0	.0	238.0
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
42.31	28.1	142.2	.0	66.8	57.4	.0	17.4	.0	.0	.0	311.9
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
42.57	31.8	160.8	.0	75.5	65.0	.0	19.3	.0	.0	.0	352.3
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
43.00	38.4	194.4	.0	91.3	75.7	.0	22.2	.0	.0	.0	422.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR65
DIFFUSION MODEL NODE NO. 65

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(16.7)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
23.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23.00	2.6	.0	.0	.0	4.7	.0	.0	.0	.0	.0	7.3
23.00	7.9	.0	.0	.0	15.4	.0	.0	.0	.0	.0	23.4
23.00	10.1	.0	.0	.0	20.6	.0	.0	.0	.0	.0	30.7
23.00	12.7	.0	.0	.0	24.7	.0	.0	.0	.0	.0	37.4
23.00	15.0	.0	.0	.0	28.1	.0	.0	.0	.0	.0	43.1
(10YEAR)											
23.05	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
23.07	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
23.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
23.14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR65
DIFFUSION MODEL NODE NO. 65
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
23.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23.00	15.4	.0	.0	.0	4.7	.0	.0	.0	.0	.0	20.1
23.00	47.5	.0	.0	.0	15.4	.0	.0	.0	.0	.0	63.0
23.00	60.8	.0	.0	.0	20.6	.0	.0	.0	.0	.0	81.3
23.00	75.9	.0	.0	.0	24.7	.0	.0	.0	.0	.0	100.6
23.00	89.5	.0	.0	.0	28.1	.0	.0	.0	.0	.0	117.7
(10YEAR)											
23.05	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
23.07	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
23.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 23.14 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR66
DIFFUSION MODEL NODE NO. 66
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (50.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
25.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.00	2.6	65.1	.0	.0	21.4	.0	.0	.0	.0	.0	89.0
25.00	7.9	201.0	.0	.0	70.5	.0	.0	.0	.0	.0	279.4
25.00	10.1	257.0	.0	.0	94.0	.0	.0	.0	.0	.0	361.1
25.00	12.7	321.2	.0	.0	112.7	.0	.0	.0	.0	.0	446.5
25.00	15.0	378.8	.0	.0	128.5	.0	.0	.0	.0	.0	522.2
(10YEAR)											
26.34	9.4	238.2	.0	.0	86.9	.0	.0	.0	.0	.0	334.6
(50 YEAR)											
26.93	12.3	312.0	.0	.0	110.2	.0	.0	.0	.0	.0	434.5
(100 YEAR)											
27.21	13.8	348.7	.0	.0	120.2	.0	.0	.0	.0	.0	482.7
(500 YEAR)											
27.73	15.3	386.6	.0	.0	130.6	.0	.0	.0	.0	.0	532.5

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR66

DIFFUSION MODEL NODE NO. 66
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
25.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.00	5.1	65.1	.0	.0	21.4	.0	.0	.0	.0	.0	91.6
25.00	15.9	201.0	.0	.0	70.5	.0	.0	.0	.0	.0	287.3
25.00	20.3	257.0	.0	.0	94.0	.0	.0	.0	.0	.0	371.3
25.00	25.4	321.2	.0	.0	112.7	.0	.0	.0	.0	.0	459.2
25.00	29.9	378.8	.0	.0	128.5	.0	.0	.0	.0	.0	537.2
(10YEAR)											
26.34	18.8	238.2	.0	.0	86.9	.0	.0	.0	.0	.0	344.0
(50 YEAR)											
26.93	24.6	312.0	.0	.0	110.2	.0	.0	.0	.0	.0	446.8
(100 YEAR)											
27.21	27.5	348.7	.0	.0	120.2	.0	.0	.0	.0	.0	496.4
(500 YEAR)											
27.73	30.5	386.6	.0	.0	130.6	.0	.0	.0	.0	.0	547.8

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR67
DIFFUSION MODEL NODE NO. 67
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(11.1)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
28.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28.00	2.6	78.8	.0	.0	31.1	.0	.0	.0	.0	.0	112.4
28.00	7.9	243.3	.0	.0	102.3	.0	.0	.0	.0	.0	353.5
28.00	10.1	311.1	.0	.0	136.4	.0	.0	.0	.0	.0	457.7
28.00	12.7	388.8	.0	.0	163.5	.0	.0	.0	.0	.0	565.0
28.00	15.0	458.5	.0	.0	186.5	.0	.0	.0	.0	.0	660.0
(10YEAR)											
28.86	7.3	224.8	.0	.0	92.4	.0	.0	.0	.0	.0	324.5
(50 YEAR)											
29.19	8.8	268.5	.0	.0	115.7	.0	.0	.0	.0	.0	392.9

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 29.37 *	9.5 *	292.4 *	.0 *	.0 *	128.3 *	.0 *	.0 *	.0 *	.0 *	.0 *	430.2 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 29.62 *	10.7 *	328.9 *	.0 *	.0 *	143.5 *	.0 *	.0 *	.0 *	.0 *	.0 *	483.1 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR67
DIFFUSION MODEL NODE NO. 67
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
28.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28.00	23.1	78.8	.0	.0	31.1	.0	.0	.0	.0	.0	133.0
28.00	71.5	243.3	.0	.0	102.3	.0	.0	.0	.0	.0	417.1
28.00	91.4	311.1	.0	.0	136.4	.0	.0	.0	.0	.0	538.9
28.00	114.2	388.8	.0	.0	163.5	.0	.0	.0	.0	.0	666.6
28.00	134.7	458.5	.0	.0	186.5	.0	.0	.0	.0	.0	779.7
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
28.86	66.0	224.8	.0	.0	92.4	.0	.0	.0	.0	.0	383.2
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
29.19	78.9	268.5	.0	.0	115.7	.0	.0	.0	.0	.0	463.0
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
29.37	85.9	292.4	.0	.0	128.3	.0	.0	.0	.0	.0	506.6
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
29.62	96.6	328.9	.0	.0	143.5	.0	.0	.0	.0	.0	569.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR68
DIFFUSION MODEL NODE NO. 68

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (5.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
31.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31.00	.0	68.5	.0	.0	20.9	.0	.0	.0	.0	.0	89.4
31.00	.0	211.6	1.4	.0	68.7	6.8	.0	.0	.0	.0	288.6
31.00	.0	270.6	4.4	.0	91.7	37.6	.0	.0	.0	.0	404.2
31.00	.0	338.1	5.7	.0	109.9	66.9	.0	.0	.0	.0	520.6
31.00	.0	398.7	7.1	.0	125.3	95.4	.0	.0	.0	.0	626.5
(10YEAR)											
31.65	.0	171.3	.0	.0	52.2	.0	.0	.0	.0	.0	223.5
(50 YEAR)											
31.92	.0	202.4	.3	.0	65.0	1.4	.0	.0	.0	.0	269.0
(100 YEAR)											
32.16	.0	230.0	3.6	.0	76.3	17.6	.0	.0	.0	.0	327.6
(500 YEAR)											
32.43	.0	261.5	4.3	.0	88.9	33.5	.0	.0	.0	.0	388.2

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR68
DIFFUSION MODEL NODE NO. 68
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
31.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31.00	.0	68.5	.0	.0	20.9	.0	.0	.0	.0	.0	89.4
31.00	.0	211.6	28.8	.0	68.7	6.8	.0	.0	.0	.0	315.9
31.00	.0	270.6	88.9	.0	91.7	37.6	.0	.0	.0	.0	488.7
31.00	.0	338.1	113.6	.0	109.9	66.9	.0	.0	.0	.0	628.5
31.00	.0	398.7	142.0	.0	125.3	95.4	.0	.0	.0	.0	761.4
(10YEAR)											
31.65	.0	171.3	.0	.0	52.2	.0	.0	.0	.0	.0	223.5
(50 YEAR)											
31.92	.0	202.4	5.8	.0	65.0	1.4	.0	.0	.0	.0	274.5
(100 YEAR)											
32.16	.0	230.0	72.4	.0	76.3	17.6	.0	.0	.0	.0	396.4

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 32.43 *	.0 *	261.5 *	85.5 *	.0 *	88.9 *	33.5 *	.0 *	.0 *	.0 *	.0 *	469.4 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR69
DIFFUSION MODEL NODE NO. 69
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
34.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34.00	.0	164.4	.0	.0	50.1	.0	.0	.0	.0	.0	214.5
34.00	.0	507.8	.0	.0	165.0	.0	.0	.0	.0	.0	672.8
34.00	.0	649.3	.0	.0	220.0	.0	.0	.0	.0	.0	869.3
34.00	.0	811.4	.0	.0	263.8	.0	.0	.0	.0	.0	1075.2
34.00	.0	957.0	.0	.0	300.8	.0	.0	.0	.0	.0	1257.8
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
34.38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
34.57	.0	279.5	.0	.0	85.2	.0	.0	.0	.0	.0	364.7
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
34.64	.0	394.6	.0	.0	120.2	.0	.0	.0	.0	.0	514.8
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
34.82	.0	458.1	.0	.0	144.5	.0	.0	.0	.0	.0	602.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR69

DIFFUSION MODEL NODE NO. 69
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
34.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34.00	.0	164.4	.0	.0	50.1	.0	.0	.0	.0	.0	214.5
34.00	.0	507.8	.0	.0	165.0	.0	.0	.0	.0	.0	672.8
34.00	.0	649.3	.0	.0	220.0	.0	.0	.0	.0	.0	869.3
34.00	.0	811.4	.0	.0	263.8	.0	.0	.0	.0	.0	1075.2
34.00	.0	957.0	.0	.0	300.8	.0	.0	.0	.0	.0	1257.8
(10YEAR)											
34.38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
34.57	.0	279.5	.0	.0	85.2	.0	.0	.0	.0	.0	364.7
(100 YEAR)											
34.64	.0	394.6	.0	.0	120.2	.0	.0	.0	.0	.0	514.8
(500 YEAR)											
34.82	.0	458.1	.0	.0	144.5	.0	.0	.0	.0	.0	602.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR70
DIFFUSION MODEL NODE NO. 70
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(5.9)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
36.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
36.00	2.6	.0	.0	89.4	13.3	.0	23.6	.0	.0	.0	128.8
36.00	7.9	.0	.0	276.1	43.7	.0	72.2	.0	.0	.0	400.0
36.00	10.1	.0	.0	353.1	58.3	.0	90.8	.0	.0	.0	512.3
36.00	12.7	.0	.0	441.2	69.9	.0	107.1	.0	.0	.0	630.9
36.00	15.0	.0	.0	520.3	79.7	.0	121.2	.0	.0	.0	736.1
(10YEAR)											
36.41	.3	.0	.0	8.9	1.3	.0	2.4	.0	.0	.0	12.9
(50 YEAR)											
36.56	4.1	.0	.0	143.1	21.2	.0	37.7	.0	.0	.0	206.1

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 36.73 *	6.8 *	.0 *	.0 *	235.5 *	35.6 *	.0 *	62.0 *	.0 *	.0 *	.0 *	339.9 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 36.87 *	7.4 *	.0 *	.0 *	256.6 *	39.8 *	.0 *	67.3 *	.0 *	.0 *	.0 *	371.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR70
DIFFUSION MODEL NODE NO. 70
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
36.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
36.00	43.5	.0	.0	89.4	13.3	.0	23.6	.0	.0	.0	169.8
36.00	134.5	.0	.0	276.1	43.7	.0	72.2	.0	.0	.0	526.5
36.00	172.0	.0	.0	353.1	58.3	.0	90.8	.0	.0	.0	674.1
36.00	214.9	.0	.0	441.2	69.9	.0	107.1	.0	.0	.0	833.1
36.00	253.4	.0	.0	520.3	79.7	.0	121.2	.0	.0	.0	974.6
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
36.41	4.4	.0	.0	8.9	1.3	.0	2.4	.0	.0	.0	17.0
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
36.56	69.7	.0	.0	143.1	21.2	.0	37.7	.0	.0	.0	271.7
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
36.73	114.7	.0	.0	235.5	35.6	.0	62.0	.0	.0	.0	447.8
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
36.87	125.0	.0	.0	256.6	39.8	.0	67.3	.0	.0	.0	488.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR71
DIFFUSION MODEL NODE NO. 71

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (25.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	2.6	65.1	.0	.0	23.0	.0	.0	.0	.0	.0	90.6
37.00	7.9	201.0	.0	.0	75.6	.0	.0	.0	.0	.0	284.6
37.00	10.1	257.0	.0	.0	100.8	.0	.0	.0	.0	.0	368.0
37.00	12.7	321.2	.0	.0	120.9	.0	.0	.0	.0	.0	454.8
37.00	15.0	378.8	.0	.0	137.9	.0	.0	.0	.0	.0	531.6
(10YEAR)											
37.61	5.4	136.7	.0	.0	48.2	.0	.0	.0	.0	.0	190.3
(50 YEAR)											
38.04	8.1	205.4	.0	.0	77.7	.0	.0	.0	.0	.0	291.2
(100 YEAR)											
38.21	8.8	224.0	.0	.0	86.5	.0	.0	.0	.0	.0	319.4
(500 YEAR)											
38.39	9.6	243.7	.0	.0	95.9	.0	.0	.0	.0	.0	349.2

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR71
DIFFUSION MODEL NODE NO. 71
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	10.3	65.1	.0	.0	23.0	.0	.0	.0	.0	.0	98.3
37.00	31.7	201.0	.0	.0	75.6	.0	.0	.0	.0	.0	308.4
37.00	40.6	257.0	.0	.0	100.8	.0	.0	.0	.0	.0	398.4
37.00	50.7	321.2	.0	.0	120.9	.0	.0	.0	.0	.0	492.8
37.00	59.8	378.8	.0	.0	137.9	.0	.0	.0	.0	.0	576.5
(10YEAR)											
37.61	21.6	136.7	.0	.0	48.2	.0	.0	.0	.0	.0	206.5
(50 YEAR)											
38.04	32.4	205.4	.0	.0	77.7	.0	.0	.0	.0	.0	315.5
(100 YEAR)											
38.21	35.4	224.0	.0	.0	86.5	.0	.0	.0	.0	.0	345.9

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 38.39 *	38.5 *	243.7 *	.0 *	.0 *	95.9 *	.0 *	.0 *	.0 *	.0 *	.0 *	378.1 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR72
DIFFUSION MODEL NODE NO. 72
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(33.3)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
39.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39.00	2.6	30.8	.0	63.2	11.7	.0	16.7	.0	.0	.0	125.0
39.00	7.9	95.2	.0	195.2	38.7	.0	51.1	.0	.0	.0	388.1
39.00	10.1	121.8	.0	249.6	51.6	.0	64.2	.0	.0	.0	497.2
39.00	12.7	152.1	.0	311.9	61.8	.0	75.7	.0	.0	.0	614.3
39.00	15.0	179.4	.0	367.8	70.5	.0	85.7	.0	.0	.0	718.4
(10YEAR)											
39.37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
39.59	4.9	58.6	.0	120.1	22.3	.0	31.7	.0	.0	.0	237.5
(100 YEAR)											
39.65	6.4	77.1	.0	158.0	29.4	.0	41.7	.0	.0	.0	312.5
(500 YEAR)											
39.84	7.2	86.9	.0	178.2	34.4	.0	46.8	.0	.0	.0	353.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR72

DIFFUSION MODEL NODE NO. 72
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
39.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39.00	7.7	30.8	.0	63.2	11.7	.0	16.7	.0	.0	.0	130.2
39.00	23.8	95.2	.0	195.2	38.7	.0	51.1	.0	.0	.0	404.0
39.00	30.5	121.8	.0	249.6	51.6	.0	64.2	.0	.0	.0	517.6
39.00	38.1	152.1	.0	311.9	61.8	.0	75.7	.0	.0	.0	639.7
39.00	44.9	179.4	.0	367.8	70.5	.0	85.7	.0	.0	.0	748.3
(10YEAR)											
39.37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
39.59	14.7	58.6	.0	120.1	22.3	.0	31.7	.0	.0	.0	247.3
(100 YEAR)											
39.65	19.3	77.1	.0	158.0	29.4	.0	41.7	.0	.0	.0	325.4
(500 YEAR)											
39.84	21.8	86.9	.0	178.2	34.4	.0	46.8	.0	.0	.0	368.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR73
DIFFUSION MODEL NODE NO. 73
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
22.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(10YEAR)											
22.04	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
22.07	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 22.08 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 22.11 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR73
DIFFUSION MODEL NODE NO. 73
(Damages are in $1,000)

Damage Categories

* Elevation*	SF *	MF *	MH *	COMM *	RESCON *	MHCON *	COMCON *	OTHER *	*	*	Total *
* 22.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 22.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 22.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 22.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 22.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 22.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 22.04 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 22.07 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 22.08 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 22.11 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR74
DIFFUSION MODEL NODE NO. 74

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(4.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
25.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.00	2.6	.0	.0	.0	19.6	.0	.0	.0	.0	.0	22.1
25.00	7.9	.0	.0	.0	64.4	.0	.0	.0	.0	.0	72.4
25.00	10.1	.0	.0	.0	85.9	.0	.0	.0	.0	.0	96.1
25.00	12.7	.0	.0	.0	103.1	.0	.0	.0	.0	.0	115.7
25.00	15.0	.0	.0	.0	117.5	.0	.0	.0	.0	.0	132.5
(10YEAR)											
25.92	7.6	.0	.0	.0	60.9	.0	.0	.0	.0	.0	68.5
(50 YEAR)											
26.51	10.2	.0	.0	.0	86.3	.0	.0	.0	.0	.0	96.5
(100 YEAR)											
26.76	11.4	.0	.0	.0	95.2	.0	.0	.0	.0	.0	106.6
(500 YEAR)											
27.22	13.8	.0	.0	.0	110.3	.0	.0	.0	.0	.0	124.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR74
DIFFUSION MODEL NODE NO. 74
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
25.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.00	64.2	.0	.0	.0	19.6	.0	.0	.0	.0	.0	83.8
25.00	198.4	.0	.0	.0	64.4	.0	.0	.0	.0	.0	262.8
25.00	253.6	.0	.0	.0	85.9	.0	.0	.0	.0	.0	339.6
25.00	317.0	.0	.0	.0	103.1	.0	.0	.0	.0	.0	420.0
25.00	373.8	.0	.0	.0	117.5	.0	.0	.0	.0	.0	491.3
(10YEAR)											
25.92	189.7	.0	.0	.0	60.9	.0	.0	.0	.0	.0	250.6
(50 YEAR)											
26.51	254.9	.0	.0	.0	86.3	.0	.0	.0	.0	.0	341.2
(100 YEAR)											
26.76	286.0	.0	.0	.0	95.2	.0	.0	.0	.0	.0	381.1

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 27.22 *	345.4 *	.0 *	.0 *	.0 *	110.3 *	.0 *	.0 *	.0 *	.0 *	.0 *	455.7 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR75
DIFFUSION MODEL NODE NO. 75
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(5.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
28.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28.00	2.6	.0	.0	.0	15.7	.0	.0	.0	.0	.0	18.2
28.00	7.9	.0	.0	.0	51.6	.0	.0	.0	.0	.0	59.5
28.00	10.1	.0	.0	.0	68.7	.0	.0	.0	.0	.0	78.9
28.00	12.7	.0	.0	.0	82.4	.0	.0	.0	.0	.0	95.1
28.00	15.0	.0	.0	.0	94.0	.0	.0	.0	.0	.0	109.0
(10YEAR)											
28.36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
28.58	4.6	.0	.0	.0	28.2	.0	.0	.0	.0	.0	32.8
(100 YEAR)											
28.76	6.9	.0	.0	.0	43.0	.0	.0	.0	.0	.0	49.9
(500 YEAR)											
29.03	8.1	.0	.0	.0	52.6	.0	.0	.0	.0	.0	60.7

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR75

DIFFUSION MODEL NODE NO. 75
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
28.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28.00	51.4	.0	.0	.0	15.7	.0	.0	.0	.0	.0	67.0
28.00	158.7	.0	.0	.0	51.6	.0	.0	.0	.0	.0	210.3
28.00	202.9	.0	.0	.0	68.7	.0	.0	.0	.0	.0	271.7
28.00	253.6	.0	.0	.0	82.4	.0	.0	.0	.0	.0	336.0
28.00	299.0	.0	.0	.0	94.0	.0	.0	.0	.0	.0	393.1
(10YEAR)											
28.36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
28.58	92.5	.0	.0	.0	28.2	.0	.0	.0	.0	.0	120.7
(100 YEAR)											
28.76	138.0	.0	.0	.0	43.0	.0	.0	.0	.0	.0	181.0
(500 YEAR)											
29.03	161.3	.0	.0	.0	52.6	.0	.0	.0	.0	.0	213.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR76
DIFFUSION MODEL NODE NO. 76
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
30.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.00	.0	174.7	.0	.0	53.2	.0	.0	.0	.0	.0	227.9
30.00	.0	539.6	.0	.0	175.3	.0	.0	.0	.0	.0	714.9
30.00	.0	689.9	.0	.0	233.7	.0	.0	.0	.0	.0	923.7
30.00	.0	862.2	.0	.0	280.3	.0	.0	.0	.0	.0	1142.5
30.00	.0	1016.8	.0	.0	319.6	.0	.0	.0	.0	.0	1336.4
(10YEAR)											
30.45	.0	87.4	.0	.0	26.6	.0	.0	.0	.0	.0	114.0
(50 YEAR)											
30.71	.0	454.4	.0	.0	140.3	.0	.0	.0	.0	.0	594.7

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 30.87 *	.0 *	501.4 *	.0 *	.0 *	159.6 *	.0 *	.0 *	.0 *	.0 *	.0 *	661.0 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 31.08 *	.0 *	563.1 *	.0 *	.0 *	184.9 *	.0 *	.0 *	.0 *	.0 *	.0 *	748.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR76
DIFFUSION MODEL NODE NO. 76
(Damages are in $1,000)

Damage Categories

* Elevation*	SF *	MF *	MH *	COMM *	RESCON *	MHCON *	COMCON *	OTHER *	*	*	Total *
* 30.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 30.00 *	.0 *	174.7 *	.0 *	.0 *	53.2 *	.0 *	.0 *	.0 *	.0 *	.0 *	227.9 *
* 30.00 *	.0 *	539.6 *	.0 *	.0 *	175.3 *	.0 *	.0 *	.0 *	.0 *	.0 *	714.9 *
* 30.00 *	.0 *	689.9 *	.0 *	.0 *	233.7 *	.0 *	.0 *	.0 *	.0 *	.0 *	923.7 *
* 30.00 *	.0 *	862.2 *	.0 *	.0 *	280.3 *	.0 *	.0 *	.0 *	.0 *	.0 *	1142.5 *
* 30.00 *	.0 *	1016.8 *	.0 *	.0 *	319.6 *	.0 *	.0 *	.0 *	.0 *	.0 *	1336.4 *
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 30.45 *	.0 *	87.4 *	.0 *	.0 *	26.6 *	.0 *	.0 *	.0 *	.0 *	.0 *	114.0 *
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 30.71 *	.0 *	454.4 *	.0 *	.0 *	140.3 *	.0 *	.0 *	.0 *	.0 *	.0 *	594.7 *
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 30.87 *	.0 *	501.4 *	.0 *	.0 *	159.6 *	.0 *	.0 *	.0 *	.0 *	.0 *	661.0 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 31.08 *	.0 *	563.1 *	.0 *	.0 *	184.9 *	.0 *	.0 *	.0 *	.0 *	.0 *	748.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR77
DIFFUSION MODEL NODE NO. 77

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
32.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
32.00	.0	123.3	.0	.0	37.6	.0	.0	.0	.0	.0	160.9
32.00	.0	380.9	.0	.0	123.7	.0	.0	.0	.0	.0	504.6
32.00	.0	487.0	.0	.0	165.0	.0	.0	.0	.0	.0	652.0
32.00	.0	608.6	.0	.0	197.9	.0	.0	.0	.0	.0	806.4
32.00	.0	717.7	.0	.0	225.6	.0	.0	.0	.0	.0	943.3
(10YEAR)											
32.38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
32.65	.0	308.3	.0	.0	93.9	.0	.0	.0	.0	.0	402.2
(100 YEAR)											
32.74	.0	327.0	.0	.0	101.6	.0	.0	.0	.0	.0	428.6
(500 YEAR)											
32.88	.0	356.0	.0	.0	113.5	.0	.0	.0	.0	.0	469.5

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR77
DIFFUSION MODEL NODE NO. 77
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
32.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
32.00	.0	123.3	.0	.0	37.6	.0	.0	.0	.0	.0	160.9
32.00	.0	380.9	.0	.0	123.7	.0	.0	.0	.0	.0	504.6
32.00	.0	487.0	.0	.0	165.0	.0	.0	.0	.0	.0	652.0
32.00	.0	608.6	.0	.0	197.9	.0	.0	.0	.0	.0	806.4
32.00	.0	717.7	.0	.0	225.6	.0	.0	.0	.0	.0	943.3
(10YEAR)											
32.38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
32.65	.0	308.3	.0	.0	93.9	.0	.0	.0	.0	.0	402.2
(100 YEAR)											
32.74	.0	327.0	.0	.0	101.6	.0	.0	.0	.0	.0	428.6

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 32.88 *	.0 *	356.0 *	.0 *	.0 *	113.5 *	.0 *	.0 *	.0 *	.0 *	.0 *	469.5 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR78
DIFFUSION MODEL NODE NO. 78
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (50.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
33.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33.00	2.6	44.5	.0	.0	15.1	.0	.0	.0	.0	.0	62.2
33.00	7.9	137.5	.0	.0	49.8	.0	.0	.0	.0	.0	195.3
33.00	10.1	175.9	.0	.0	66.5	.0	.0	.0	.0	.0	252.5
33.00	12.7	219.8	.0	.0	79.7	.0	.0	.0	.0	.0	312.1
33.00	15.0	259.2	.0	.0	90.9	.0	.0	.0	.0	.0	365.0
(10YEAR)											
33.57	4.4	75.7	.0	.0	25.7	.0	.0	.0	.0	.0	105.8
(50 YEAR)											
33.82	7.2	124.1	.0	.0	43.7	.0	.0	.0	.0	.0	174.9
(100 YEAR)											
33.94	7.7	133.0	.0	.0	47.8	.0	.0	.0	.0	.0	188.5
(500 YEAR)											
34.16	8.6	149.5	.0	.0	55.3	.0	.0	.0	.0	.0	213.5

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR78

DIFFUSION MODEL NODE NO. 78
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
33.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33.00	5.1	44.5	.0	.0	15.1	.0	.0	.0	.0	.0	64.8
33.00	15.9	137.5	.0	.0	49.8	.0	.0	.0	.0	.0	203.2
33.00	20.3	175.9	.0	.0	66.5	.0	.0	.0	.0	.0	262.6
33.00	25.4	219.8	.0	.0	79.7	.0	.0	.0	.0	.0	324.8
33.00	29.9	259.2	.0	.0	90.9	.0	.0	.0	.0	.0	380.0
(10YEAR)											
33.57	8.7	75.7	.0	.0	25.7	.0	.0	.0	.0	.0	110.2
(50 YEAR)											
33.82	14.3	124.1	.0	.0	43.7	.0	.0	.0	.0	.0	182.0
(100 YEAR)											
33.94	15.4	133.0	.0	.0	47.8	.0	.0	.0	.0	.0	196.2
(500 YEAR)											
34.16	17.3	149.5	.0	.0	55.3	.0	.0	.0	.0	.0	222.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR79
DIFFUSION MODEL NODE NO. 79
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
34.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(10YEAR)											
34.62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
34.82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 34.96 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 35.15 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR79
DIFFUSION MODEL NODE NO. 79
(Damages are in $1,000)

Damage Categories

* Elevation*	SF *	MF *	MH *	COMM *	RESCON *	MHCON *	COMCON *	OTHER *	*	*	Total *
* 34.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 34.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 34.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 34.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 34.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 34.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 34.62 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 34.82 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 34.96 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 35.15 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR80
DIFFUSION MODEL NODE NO. 80

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
35.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.00	.0	101.1	.0	26.2	30.8	.0	6.9	.0	.0	.0	165.0
35.00	.0	312.1	.0	80.9	101.4	.0	21.2	.0	.0	.0	515.6
35.00	.0	399.1	.0	103.5	135.2	.0	26.6	.0	.0	.0	664.4
35.00	.0	498.7	.0	129.3	162.1	.0	31.4	.0	.0	.0	821.5
35.00	.0	588.1	.0	152.5	184.9	.0	35.5	.0	.0	.0	961.0
(10YEAR)											
35.33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
35.60	.0	202.1	.0	52.4	61.6	.0	13.8	.0	.0	.0	329.9
(100 YEAR)											
35.75	.0	269.6	.0	69.9	83.9	.0	18.4	.0	.0	.0	441.9
(500 YEAR)											
35.98	.0	308.7	.0	80.1	100.0	.0	20.9	.0	.0	.0	509.7

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR80
DIFFUSION MODEL NODE NO. 80
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
35.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.00	.0	101.1	.0	26.2	30.8	.0	6.9	.0	.0	.0	165.0
35.00	.0	312.1	.0	80.9	101.4	.0	21.2	.0	.0	.0	515.6
35.00	.0	399.1	.0	103.5	135.2	.0	26.6	.0	.0	.0	664.4
35.00	.0	498.7	.0	129.3	162.1	.0	31.4	.0	.0	.0	821.5
35.00	.0	588.1	.0	152.5	184.9	.0	35.5	.0	.0	.0	961.0
(10YEAR)											
35.33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
35.60	.0	202.1	.0	52.4	61.6	.0	13.8	.0	.0	.0	329.9
(100 YEAR)											
35.75	.0	269.6	.0	69.9	83.9	.0	18.4	.0	.0	.0	441.9

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 35.98 *	.0 *	308.7 *	.0 *	80.1 *	100.0 *	.0 *	20.9 *	.0 *	.0 *	.0 *	509.7 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR82
DIFFUSION MODEL NODE NO. 82
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (2.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
25.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.00	.0	.0	1.4	.0	.0	17.0	.0	.0	.0	.0	18.4
25.00	.0	.0	4.4	.0	.0	94.0	.0	.0	.0	.0	98.4
25.00	.0	.0	5.7	.0	.0	167.2	.0	.0	.0	.0	172.8
25.00	.0	.0	7.1	.0	.0	238.4	.0	.0	.0	.0	245.5
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
25.59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
26.28	.0	.0	3.9	.0	.0	61.6	.0	.0	.0	.0	65.5
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
26.52	.0	.0	4.5	.0	.0	96.9	.0	.0	.0	.0	101.4
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
26.91	.0	.0	5.4	.0	.0	154.2	.0	.0	.0	.0	159.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR82

DIFFUSION MODEL NODE NO. 82

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
25.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.00	.0	.0	71.9	.0	.0	17.0	.0	.0	.0	.0	88.9
25.00	.0	.0	222.2	.0	.0	94.0	.0	.0	.0	.0	316.1
25.00	.0	.0	284.1	.0	.0	167.2	.0	.0	.0	.0	451.2
25.00	.0	.0	355.0	.0	.0	238.4	.0	.0	.0	.0	593.4
(10YEAR)											
25.59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
26.28	.0	.0	195.6	.0	.0	61.6	.0	.0	.0	.0	257.2
(100 YEAR)											
26.52	.0	.0	224.6	.0	.0	96.9	.0	.0	.0	.0	321.5
(500 YEAR)											
26.91	.0	.0	271.9	.0	.0	154.2	.0	.0	.0	.0	426.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR83

DIFFUSION MODEL NODE NO. 83

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (6.7)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
27.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27.00	2.6	.0	.0	.0	11.7	.0	.0	.0	.0	.0	14.3
27.00	7.9	.0	.0	.0	38.5	.0	.0	.0	.0	.0	46.4
27.00	10.1	.0	.0	.0	51.3	.0	.0	.0	.0	.0	61.4
27.00	12.7	.0	.0	.0	61.5	.0	.0	.0	.0	.0	74.2
27.00	15.0	.0	.0	.0	70.2	.0	.0	.0	.0	.0	85.1
(10YEAR)											
27.42	.5	.0	.0	.0	2.3	.0	.0	.0	.0	.0	2.9
(50 YEAR)											
27.73	6.8	.0	.0	.0	31.3	.0	.0	.0	.0	.0	38.1

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 27.91 *	7.5 *	.0 *	.0 *	.0 *	36.1 *	.0 *	.0 *	.0 *	.0 *	.0 *	43.6 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 28.21 *	8.8 *	.0 *	.0 *	.0 *	44.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	52.9 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR83
DIFFUSION MODEL NODE NO. 83
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
27.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27.00	38.3	.0	.0	.0	11.7	.0	.0	.0	.0	.0	50.0
27.00	118.4	.0	.0	.0	38.5	.0	.0	.0	.0	.0	156.9
27.00	151.4	.0	.0	.0	51.3	.0	.0	.0	.0	.0	202.7
27.00	189.2	.0	.0	.0	61.5	.0	.0	.0	.0	.0	250.8
27.00	223.2	.0	.0	.0	70.2	.0	.0	.0	.0	.0	293.3
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
27.42	7.7	.0	.0	.0	2.3	.0	.0	.0	.0	.0	10.0
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
27.73	101.0	.0	.0	.0	31.3	.0	.0	.0	.0	.0	132.3
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
27.91	112.6	.0	.0	.0	36.1	.0	.0	.0	.0	.0	148.7
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
28.21	132.0	.0	.0	.0	44.0	.0	.0	.0	.0	.0	176.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR84
DIFFUSION MODEL NODE NO. 84

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
29.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
29.00	.0	138.7	.0	.0	42.3	.0	.0	.0	.0	.0	181.0
29.00	.0	428.5	.0	.0	139.2	.0	.0	.0	.0	.0	567.7
29.00	.0	547.9	.0	.0	185.6	.0	.0	.0	.0	.0	733.5
29.00	.0	684.7	.0	.0	222.6	.0	.0	.0	.0	.0	907.2
29.00	.0	807.4	.0	.0	253.8	.0	.0	.0	.0	.0	1061.2
(10YEAR)											
29.46	.0	83.2	.0	.0	25.4	.0	.0	.0	.0	.0	108.6
(50 YEAR)											
29.81	.0	384.2	.0	.0	121.0	.0	.0	.0	.0	.0	505.2
(100 YEAR)											
29.94	.0	414.5	.0	.0	133.4	.0	.0	.0	.0	.0	547.9
(500 YEAR)											
30.25	.0	486.8	.0	.0	163.2	.0	.0	.0	.0	.0	650.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR84
DIFFUSION MODEL NODE NO. 84
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
29.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
29.00	.0	138.7	.0	.0	42.3	.0	.0	.0	.0	.0	181.0
29.00	.0	428.5	.0	.0	139.2	.0	.0	.0	.0	.0	567.7
29.00	.0	547.9	.0	.0	185.6	.0	.0	.0	.0	.0	733.5
29.00	.0	684.7	.0	.0	222.6	.0	.0	.0	.0	.0	907.2
29.00	.0	807.4	.0	.0	253.8	.0	.0	.0	.0	.0	1061.2
(10YEAR)											
29.46	.0	83.2	.0	.0	25.4	.0	.0	.0	.0	.0	108.6
(50 YEAR)											
29.81	.0	384.2	.0	.0	121.0	.0	.0	.0	.0	.0	505.2
(100 YEAR)											
29.94	.0	414.5	.0	.0	133.4	.0	.0	.0	.0	.0	547.9

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 30.25 *	.0 *	486.8 *	.0 *	.0 *	163.2 *	.0 *	.0 *	.0 *	.0 *	.0 *	650.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR85
DIFFUSION MODEL NODE NO. 85
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
30.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.00	.0	89.1	.0	.0	27.1	.0	.0	.0	.0	.0	116.2
30.00	.0	275.1	.0	.0	89.4	.0	.0	.0	.0	.0	364.4
30.00	.0	351.7	.0	.0	119.2	.0	.0	.0	.0	.0	470.9
30.00	.0	439.5	.0	.0	142.9	.0	.0	.0	.0	.0	582.4
30.00	.0	518.4	.0	.0	162.9	.0	.0	.0	.0	.0	681.3
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
30.59	.0	169.2	.0	.0	51.6	.0	.0	.0	.0	.0	220.8
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
30.94	.0	266.1	.0	.0	85.7	.0	.0	.0	.0	.0	351.8
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
31.10	.0	290.1	.0	.0	95.5	.0	.0	.0	.0	.0	385.6
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
31.32	.0	323.0	.0	.0	109.0	.0	.0	.0	.0	.0	432.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR85

DIFFUSION MODEL NODE NO. 85

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
30.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.00	.0	89.1	.0	.0	27.1	.0	.0	.0	.0	.0	116.2
30.00	.0	275.1	.0	.0	89.4	.0	.0	.0	.0	.0	364.4
30.00	.0	351.7	.0	.0	119.2	.0	.0	.0	.0	.0	470.9
30.00	.0	439.5	.0	.0	142.9	.0	.0	.0	.0	.0	582.4
30.00	.0	518.4	.0	.0	162.9	.0	.0	.0	.0	.0	681.3
(10YEAR)											
30.59	.0	169.2	.0	.0	51.6	.0	.0	.0	.0	.0	220.8
(50 YEAR)											
30.94	.0	266.1	.0	.0	85.7	.0	.0	.0	.0	.0	351.8
(100 YEAR)											
31.10	.0	290.1	.0	.0	95.5	.0	.0	.0	.0	.0	385.6
(500 YEAR)											
31.32	.0	323.0	.0	.0	109.0	.0	.0	.0	.0	.0	432.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR86

DIFFUSION MODEL NODE NO. 86

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(16.7)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
31.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31.00	2.6	29.1	.0	.0	13.6	.0	.0	.0	.0	.0	45.2
31.00	7.9	89.9	.0	.0	44.7	.0	.0	.0	.0	.0	142.5
31.00	10.1	115.0	.0	.0	59.5	.0	.0	.0	.0	.0	184.7
31.00	12.7	143.7	.0	.0	71.4	.0	.0	.0	.0	.0	227.8
31.00	15.0	169.5	.0	.0	81.4	.0	.0	.0	.0	.0	265.8
(10YEAR)											
31.57	4.4	49.5	.0	.0	23.0	.0	.0	.0	.0	.0	76.9
(50 YEAR)											
31.88	7.4	84.1	.0	.0	41.0	.0	.0	.0	.0	.0	132.4

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 32.05 *	8.2 *	92.4 *	.0 *	.0 *	46.2 *	.0 *	.0 *	.0 *	.0 *	.0 *	146.7 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 32.39 *	9.6 *	109.0 *	.0 *	.0 *	56.6 *	.0 *	.0 *	.0 *	.0 *	.0 *	175.3 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR86
DIFFUSION MODEL NODE NO. 86
(Damages are in $1,000)

Damage Categories

* Elevation*	SF *	MF *	MH *	COMM *	RESCON *	MHCON *	COMCON *	OTHER *	*	*	Total *
* 31.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 31.00 *	15.4 *	29.1 *	.0 *	.0 *	13.6 *	.0 *	.0 *	.0 *	.0 *	.0 *	58.1 *
* 31.00 *	47.5 *	89.9 *	.0 *	.0 *	44.7 *	.0 *	.0 *	.0 *	.0 *	.0 *	182.1 *
* 31.00 *	60.8 *	115.0 *	.0 *	.0 *	59.5 *	.0 *	.0 *	.0 *	.0 *	.0 *	235.3 *
* 31.00 *	75.9 *	143.7 *	.0 *	.0 *	71.4 *	.0 *	.0 *	.0 *	.0 *	.0 *	291.0 *
* 31.00 *	89.5 *	169.5 *	.0 *	.0 *	81.4 *	.0 *	.0 *	.0 *	.0 *	.0 *	340.4 *
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 31.57 *	26.2 *	49.5 *	.0 *	.0 *	23.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	98.7 *
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 31.88 *	44.4 *	84.1 *	.0 *	.0 *	41.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	169.4 *
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 32.05 *	48.8 *	92.4 *	.0 *	.0 *	46.2 *	.0 *	.0 *	.0 *	.0 *	.0 *	187.4 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 32.39 *	57.6 *	109.0 *	.0 *	.0 *	56.6 *	.0 *	.0 *	.0 *	.0 *	.0 *	223.3 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR87
DIFFUSION MODEL NODE NO. 87

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
31.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31.00	.0	63.4	.0	.0	19.3	.0	.0	.0	.0	.0	82.7
31.00	.0	195.7	.0	.0	63.6	.0	.0	.0	.0	.0	259.3
31.00	.0	250.3	.0	.0	84.8	.0	.0	.0	.0	.0	335.1
31.00	.0	312.7	.0	.0	101.7	.0	.0	.0	.0	.0	414.4
31.00	.0	368.8	.0	.0	115.9	.0	.0	.0	.0	.0	484.8
(10YEAR)											
31.76	.0	170.2	.0	.0	53.1	.0	.0	.0	.0	.0	223.2
(50 YEAR)											
32.15	.0	211.7	.0	.0	70.2	.0	.0	.0	.0	.0	281.9
(100 YEAR)											
32.39	.0	237.3	.0	.0	80.7	.0	.0	.0	.0	.0	317.9
(500 YEAR)											
32.74	.0	279.6	.0	.0	93.2	.0	.0	.0	.0	.0	372.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Damage Reach DR87
DIFFUSION MODEL NODE NO. 87
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
31.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31.00	.0	63.4	.0	.0	19.3	.0	.0	.0	.0	.0	82.7
31.00	.0	195.7	.0	.0	63.6	.0	.0	.0	.0	.0	259.3
31.00	.0	250.3	.0	.0	84.8	.0	.0	.0	.0	.0	335.1
31.00	.0	312.7	.0	.0	101.7	.0	.0	.0	.0	.0	414.4
31.00	.0	368.8	.0	.0	115.9	.0	.0	.0	.0	.0	484.8
(10YEAR)											
31.76	.0	170.2	.0	.0	53.1	.0	.0	.0	.0	.0	223.2
(50 YEAR)											
32.15	.0	211.7	.0	.0	70.2	.0	.0	.0	.0	.0	281.9
(100 YEAR)											
32.39	.0	237.3	.0	.0	80.7	.0	.0	.0	.0	.0	317.9

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 32.74 *	.0 *	279.6 *	.0 *	.0 *	93.2 *	.0 *	.0 *	.0 *	.0 *	.0 *	372.9 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC82.SID
STRUCTURE INVENTORY, EXISTING CONDITIONS (1989) ** NO DETENTION **

Aggregated Single Event Damage

Aggregated Damage Reach TOTAL
Includes Damage Reaches

DR7	DR8	DR12	DR13	DR14
DR15	DR16	DR20	DR21	DR22
DR23	DR24	DR28	DR29	DR30
DR31	DR32	DR35	DR36	DR37
DR38	DR39	DR40	DR43	DR44
DR45	DR46	DR47	DR48	DR51
DR52	DR53	DR54	DR55	DR56
DR58	DR59	DR60	DR61	DR62
DR63	DR64	DR65	DR66	DR67
DR68	DR69	DR70	DR71	DR72
DR73	DR74	DR75	DR76	DR77
DR78	DR79	DR80	DR82	DR83
DR84	DR85	DR86	DR87	

(Damage in $1,000)

Damage Categories

Single Event	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
10YEAR	2155.2	1936.4	.0	479.6	1291.5	.0	125.8	.0	.0	.0	5988.5
50 YEAR	4014.1	4804.9	1134.1	1444.4	2831.0	400.2	376.2	.0	.0	.0	15004.9
100 YEAR	4786.1	5509.5	1307.6	1800.7	3334.7	546.2	466.7	.0	.0	.0	17751.5
500 YEAR	6470.8	6523.9	1869.6	2196.8	4239.4	954.4	559.3	.0	.0	.0	22814.2

Elapsed CPU time is 70 seconds or 1.167 minutes.

```
1          ****************************************************
           *       Structure Inventory for Damage Analysis    *
           *       Users Manual (June 1987)                   *
           *       Version  June 7, 1988                      *
           *       IBM-PC Compatible (MS)                     *
           *       Run date 19OCT89   time 13:54:42           *
           ****************************************************


                    SSSSSSSS   IIIIIIII   DDDDDDD
                    SS            II      DD     DD
                    SS            II      DD     DD
                    SSSSSSSS      II      DD     DD
                          SS      II      DD     DD
                          SS      II      DD     DD
                    SSSSSSSS   IIIIIIII   DDDDDDD


                  ****************************************
                  * U.S. Army Corps of Engineers         *
                  * The Hydrologic Engineering Center    *
                  * 609 Second Street, Suite B           *
                  * Davis, California 95616              *
                  * (916) 551-1748                       *
                  ****************************************
1
   FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
   JOB NO: P81-194-015    FILE: BC90.SID
   STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**


J1     0      0      0      0      3      0      0     -4      2      1

This job will perform the following
-----------------------------------------------------------------------------

IPOL    =     0, No raise-to-target elevation analysis to be considered for
                 this computer run

IPROF   =     0, No flood proofing analysis to be considered for this
                 computer run

IEVAC   =     0, No structure relocation will be considered for this
                 computer run

IPRNT   =     3, Suppress both damage function and structure printout

ITRACE  =     0, No trace output

ITYPE   =     4, Number of single events for which damage is calculated

                 Flood zone summary tables will not be printed

IAG     =     2, Aggregate damage reaches only for single event damage

ISAMP   =     1, Sample by damage reach
```

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

J2	4	7	64	.50	0	-1	6	1	0

Job Processing Information

NODF = 4 Number of Damage Functions

NODC = 7 Number of Damage Categories

NODR = 64 Number of Damage Reaches

AGG = .50, Aggregation interval (in feet)

NFILE = 0, Structure information file

IMAGE = -1, Images of input records will not be listed or echoed

IELV = 6, The number of elevations to be calculated for the elevation-damage relationships

IMARK = 1, The total (structure+contents+other) value will be used for the structure value flood zone summary

NDFILE = 0, Damage function file

Damage Categories

Damage Cat.	Damage Category Title	POLMAX	PRFMAX
SF	SINGLE FAMILY RESIDENTIAL STRUCTURE	.00	.00
MF	MULTI-FAMILY RESIDENTIAL STRUCTURE	.00	.00
MH	MOBILE HOME RESIDENTIAL STRUCTURE	.00	.00
COMM	COMMERCIAL STRUCTURE	.00	.00
RESCON	RESIDENTIAL CONTENTS	.00	.00
MHCON	MOBILE HOME CONTENTS	.00	.00
COMCON	COMMERCIAL STRUCTURE CONTENTS	.00	.00
OTHER	OTHER DAMAGE CATEGORIES	.00	.00

Content Category	Contents from structures of the following categories will be used for the content category
RESCON	SF MF

MHCON MH
COMCON COMM

Damage Reach Index Location Summary

Reach I.D.	Ref Flood Elev	Policy Flood Elev	Flood Proof Elev	Reloc- ation Elev	Start Damage Elev	Damage Elev Incr	Print Option Flag	Sampling Functn Flag
DR7	61.15	.00	.00	.00	61.00	.50	0	1
DR8	63.38	.00	.00	.00	63.00	.50	0	1
DR12	48.11	.00	.00	.00	48.00	.50	0	1
DR13	51.18	.00	.00	.00	51.00	.50	0	1
DR14	56.14	.00	.00	.00	56.00	.50	0	1
DR15	58.34	.00	.00	.00	58.00	.50	0	1
DR16	59.50	.00	.00	.00	59.00	.50	0	1
DR20	45.18	.00	.00	.00	45.00	.50	0	1
DR21	49.10	.00	.00	.00	49.00	.50	0	1
DR22	52.11	.00	.00	.00	52.00	.50	0	1
DR23	54.45	.00	.00	.00	54.00	.50	0	1
DR24	57.11	.00	.00	.00	57.00	.50	0	1
DR28	44.11	.00	.00	.00	44.00	.50	0	1
DR29	46.21	.00	.00	.00	46.00	.50	0	1
DR30	47.52	.00	.00	.00	47.00	.50	0	1
DR31	51.21	.00	.00	.00	51.00	.50	0	1
DR32	53.45	.00	.00	.00	53.00	.50	0	1
DR35	37.17	.00	.00	.00	37.00	.50	0	1
DR36	41.23	.00	.00	.00	41.00	.50	0	1
DR37	43.36	.00	.00	.00	43.00	.50	0	1
DR38	45.20	.00	.00	.00	45.00	.50	0	1
DR39	48.11	.00	.00	.00	48.00	.50	0	1
DR40	52.10	.00	.00	.00	52.00	.50	0	1
DR43	35.13	.00	.00	.00	35.00	.50	0	1
DR44	37.22	.00	.00	.00	37.00	.50	0	1
DR45	40.14	.00	.00	.00	40.00	.50	0	1
DR46	42.29	.00	.00	.00	42.00	.50	0	1
DR47	45.40	.00	.00	.00	45.00	.50	0	1
DR48	48.38	.00	.00	.00	48.00	.50	0	1
DR51	33.10	.00	.00	.00	33.00	.50	0	1
DR52	35.29	.00	.00	.00	35.00	.50	0	1
DR53	37.49	.00	.00	.00	37.00	.50	0	1
DR54	39.49	.00	.00	.00	39.00	.50	0	1
DR55	43.11	.00	.00	.00	43.00	.50	0	1
DR56	44.11	.00	.00	.00	44.00	.50	0	1
DR58	27.19	.00	.00	.00	27.00	.50	0	1
DR59	30.48	.00	.00	.00	30.00	.50	0	1
DR60	32.45	.00	.00	.00	32.00	.50	0	1
DR61	35.29	.00	.00	.00	35.00	.50	0	1
DR62	39.10	.00	.00	.00	39.00	.50	0	1
DR63	40.20	.00	.00	.00	40.00	.50	0	1
DR64	41.44	.00	.00	.00	41.00	.50	0	1
DR65	23.19	.00	.00	.00	23.00	.50	0	1
DR66	25.77	.00	.00	.00	25.00	.50	0	1
DR67	28.30	.00	.00	.00	28.00	.50	0	1
DR68	31.40	.00	.00	.00	31.00	.50	0	1
DR69	34.11	.00	.00	.00	34.00	.50	0	1

DR70	36.20	.00	.00	.00	36.00	.50	0	1
DR71	37.36	.00	.00	.00	37.00	.50	0	1
DR72	39.21	.00	.00	.00	39.00	.50	0	1
DR73	22.15	.00	.00	.00	22.00	.50	0	1
DR74	25.47	.00	.00	.00	25.00	.50	0	1
DR75	28.10	.00	.00	.00	28.00	.50	0	1
DR76	30.27	.00	.00	.00	30.00	.50	0	1
DR77	32.13	.00	.00	.00	32.00	.50	0	1
DR78	33.22	.00	.00	.00	33.00	.50	0	1
DR79	34.32	.00	.00	.00	34.00	.50	0	1
DR80	35.20	.00	.00	.00	35.00	.50	0	1
DR82	25.37	.00	.00	.00	25.00	.50	0	1
DR83	27.20	.00	.00	.00	27.00	.50	0	1
DR84	29.30	.00	.00	.00	29.00	.50	0	1
DR85	30.23	.00	.00	.00	30.00	.50	0	1
DR86	31.26	.00	.00	.00	31.00	.50	0	1
DR87	31.38	.00	.00	.00	31.00	.50	0	1

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FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Single Events for Damage Reaches

Damage Reach	10YEAR EVENT	50 YEAR EVENT	100 YEAR EVENT	500 YEAR EVENT
DR7	61.51	61.78	61.90	62.23
DR8	64.12	64.81	65.12	65.70
DR12	48.16	48.40	48.49	48.65
DR13	51.27	51.70	51.86	52.12
DR14	56.31	56.71	56.85	57.05
DR15	58.59	59.21	59.43	59.91
DR16	59.86	60.54	60.83	61.41
DR20	45.16	45.38	45.50	45.72
DR21	49.10	49.11	49.12	49.16
DR22	52.10	52.10	52.16	52.36
DR23	54.40	54.94	55.16	55.59
DR24	57.16	57.38	57.49	57.71
DR28	44.15	44.31	44.32	44.42
DR29	46.34	46.68	46.80	47.05
DR30	47.63	48.21	48.40	48.89
DR31	51.47	51.91	52.04	52.23
DR32	54.09	54.62	54.78	55.19
DR35	37.13	37.24	37.36	37.49
DR36	41.31	41.58	41.68	41.79
DR37	43.49	43.90	44.04	44.33
DR38	45.26	45.54	45.68	46.04
DR39	48.25	48.33	48.25	48.38
DR40	52.24	52.39	52.44	52.56
DR43	35.15	35.43	35.50	35.77
DR44	37.26	37.60	37.76	38.12
DR45	40.43	40.53	40.61	40.93
DR46	42.66	43.15	43.27	43.64
DR47	45.90	46.51	46.69	47.04
DR48	49.16	49.72	49.90	50.32
DR51	33.26	33.35	33.29	33.66

DR52	35.57	35.73	35.90	36.23
DR53	37.90	38.42	38.54	38.87
DR54	39.92	40.51	40.66	41.06
DR55	43.21	43.30	43.38	43.57
DR56	44.46	44.85	45.08	45.47
DR58	27.51	27.73	27.78	28.33
DR59	30.69	30.94	31.14	31.42
DR60	33.01	33.48	33.70	34.00
DR61	35.73	35.99	36.13	36.40
DR62	39.28	39.39	39.43	39.65
DR63	40.41	40.76	40.86	41.19
DR64	41.82	42.31	42.57	43.00
DR65	23.05	23.07	23.10	23.14
DR66	26.34	26.93	27.21	27.73
DR67	28.86	29.19	29.37	29.62
DR68	31.65	31.92	32.16	32.43
DR69	34.38	34.57	34.64	34.82
DR70	36.41	36.56	36.73	36.87
DR71	37.61	38.04	38.21	38.39
DR72	39.37	39.59	39.65	39.84
DR73	22.04	22.07	22.08	22.11
DR74	25.92	26.51	26.76	27.22
DR75	28.36	28.58	28.76	29.03
DR76	30.45	30.71	30.87	31.08
DR77	32.38	32.65	32.74	32.88
DR78	33.57	33.82	33.94	34.16
DR79	34.62	34.82	34.96	35.15
DR80	35.33	35.60	35.75	35.98
DR82	25.59	26.28	26.52	26.91
DR83	27.42	27.73	27.91	28.21
DR84	29.46	29.81	29.94	30.25
DR85	30.59	30.94	31.10	31.32
DR86	31.57	31.88	32.05	32.39
DR87	31.76	32.15	32.39	32.74

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FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Aggregated Damage Reach	Includes Damage Reaches									
TOTAL	DR7	DR8	DR12	DR13	DR14	DR15	DR16	DR20	DR21	DR22
	DR23	DR24	DR28	DR29	DR30	DR31	DR32	DR35	DR36	DR37
	DR38	DR39	DR40	DR43	DR44	DR45	DR46	DR47	DR48	DR51
	DR52	DR53	DR54	DR55	DR56	DR58	DR59	DR60	DR61	DR62
	DR63	DR64	DR65	DR66	DR67	DR68	DR69	DR70	DR71	DR72
	DR73	DR74	DR75	DR76	DR77	DR78	DR79	DR80	DR82	DR83
	DR84	DR85	DR86	DR87						

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FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR7
DIFFUSION MODEL NODE NO. 7

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(8.3)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
61.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61.00	2.6	.0	.0	.0	11.3	.0	.0	.0	.0	.0	13.9
61.00	7.9	.0	.0	.0	37.3	.0	.0	.0	.0	.0	45.2
61.00	10.1	.0	.0	.0	49.7	.0	.0	.0	.0	.0	59.8
61.00	12.7	.0	.0	.0	59.6	.0	.0	.0	.0	.0	72.3
61.00	15.0	.0	.0	.0	68.0	.0	.0	.0	.0	.0	82.9
(10YEAR)											
61.51	2.8	.0	.0	.0	12.4	.0	.0	.0	.0	.0	15.3
(50 YEAR)											
61.78	7.0	.0	.0	.0	31.6	.0	.0	.0	.0	.0	38.6
(100 YEAR)											
61.90	7.5	.0	.0	.0	34.7	.0	.0	.0	.0	.0	42.2
(500 YEAR)											
62.23	8.9	.0	.0	.0	43.2	.0	.0	.0	.0	.0	52.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR7
DIFFUSION MODEL NODE NO. 7
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
61.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61.00	31.0	.0	.0	.0	11.3	.0	.0	.0	.0	.0	42.3
61.00	95.6	.0	.0	.0	37.3	.0	.0	.0	.0	.0	132.9
61.00	122.2	.0	.0	.0	49.7	.0	.0	.0	.0	.0	171.9
61.00	152.8	.0	.0	.0	59.6	.0	.0	.0	.0	.0	212.4
61.00	180.2	.0	.0	.0	68.0	.0	.0	.0	.0	.0	248.1
(10YEAR)											
61.51	34.0	.0	.0	.0	12.4	.0	.0	.0	.0	.0	46.5
(50 YEAR)											
61.78	84.2	.0	.0	.0	31.6	.0	.0	.0	.0	.0	115.8
(100 YEAR)											
61.90	90.4	.0	.0	.0	34.7	.0	.0	.0	.0	.0	125.1

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 62.23 *	107.6 *	.0 *	.0 *	.0 *	43.2 *	.0 *	.0 *	.0 *	.0 *	.0 *	150.7 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR8
DIFFUSION MODEL NODE NO. 8
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(4.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
63.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63.00	2.6	.0	.0	5.4	23.5	.0	1.7	.0	.0	.0	33.2
63.00	7.9	.0	.0	16.7	77.3	.0	5.2	.0	.0	.0	107.2
63.00	10.1	.0	.0	21.3	103.1	.0	6.6	.0	.0	.0	141.1
63.00	12.7	.0	.0	26.6	123.7	.0	7.8	.0	.0	.0	170.7
63.00	15.0	.0	.0	31.4	141.0	.0	8.8	.0	.0	.0	196.1
(10YEAR)											
64.12	8.5	.0	.0	17.8	83.7	.0	5.6	.0	.0	.0	115.5
(50 YEAR)											
64.81	11.7	.0	.0	24.6	116.2	.0	7.3	.0	.0	.0	159.7
(100 YEAR)											
65.12	13.3	.0	.0	27.9	128.4	.0	8.0	.0	.0	.0	177.7
(500 YEAR)											
65.70	15.3	.0	.0	32.1	143.4	.0	8.9	.0	.0	.0	199.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR8

DIFFUSION MODEL NODE NO. 8

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
63.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63.00	64.2	.0	.0	5.4	23.5	.0	1.7	.0	.0	.0	94.8
63.00	198.4	.0	.0	16.7	77.3	.0	5.2	.0	.0	.0	297.6
63.00	253.6	.0	.0	21.3	103.1	.0	6.6	.0	.0	.0	384.6
63.00	317.0	.0	.0	26.6	123.7	.0	7.8	.0	.0	.0	475.0
63.00	373.8	.0	.0	31.4	141.0	.0	8.8	.0	.0	.0	555.0
(10YEAR)											
64.12	211.3	.0	.0	17.8	83.7	.0	5.6	.0	.0	.0	318.4
(50 YEAR)											
64.81	292.4	.0	.0	24.6	116.2	.0	7.3	.0	.0	.0	440.5
(100 YEAR)											
65.12	332.5	.0	.0	27.9	128.4	.0	8.0	.0	.0	.0	496.8
(500 YEAR)											
65.70	381.6	.0	.0	32.1	143.4	.0	8.9	.0	.0	.0	565.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR12

DIFFUSION MODEL NODE NO. 12

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
(7.1)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
48.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48.00	2.6	.0	.0	.0	13.2	.0	.0	.0	.0	.0	15.8
48.00	7.9	.0	.0	.0	43.6	.0	.0	.0	.0	.0	51.5
48.00	10.1	.0	.0	.0	58.1	.0	.0	.0	.0	.0	68.2
48.00	12.7	.0	.0	.0	69.7	.0	.0	.0	.0	.0	82.3
48.00	15.0	.0	.0	.0	79.4	.0	.0	.0	.0	.0	94.4
(10YEAR)											
48.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
48.40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 48.49 *	2.3 *	.0 *	.0 *	.0 *	11.9 *	.0 *	.0 *	.0 *	.0 *	.0 *	14.2 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 48.65 *	6.4 *	.0 *	.0 *	.0 *	33.1 *	.0 *	.0 *	.0 *	.0 *	.0 *	39.5 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR12
DIFFUSION MODEL NODE NO. 12
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
48.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48.00	36.2	.0	.0	.0	13.2	.0	.0	.0	.0	.0	49.4
48.00	111.8	.0	.0	.0	43.6	.0	.0	.0	.0	.0	155.3
48.00	142.9	.0	.0	.0	58.1	.0	.0	.0	.0	.0	201.0
48.00	178.6	.0	.0	.0	69.7	.0	.0	.0	.0	.0	248.2
48.00	210.6	.0	.0	.0	79.4	.0	.0	.0	.0	.0	290.0
(10YEAR)											
48.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
48.40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
48.49	32.6	.0	.0	.0	11.9	.0	.0	.0	.0	.0	44.5
(500 YEAR)											
48.65	90.5	.0	.0	.0	33.1	.0	.0	.0	.0	.0	123.5

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR13
DIFFUSION MODEL NODE NO. 13

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(10.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
51.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51.00	2.6	20.6	.0	.0	16.9	.0	.0	.0	.0	.0	40.0
51.00	7.9	63.5	.0	.0	55.7	.0	.0	.0	.0	.0	127.1
51.00	10.1	81.2	.0	.0	74.2	.0	.0	.0	.0	.0	165.6
51.00	12.7	101.4	.0	.0	89.0	.0	.0	.0	.0	.0	203.1
51.00	15.0	119.6	.0	.0	101.5	.0	.0	.0	.0	.0	236.1
(10YEAR)											
51.27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
51.70	6.6	53.1	.0	.0	44.2	.0	.0	.0	.0	.0	103.9
(100 YEAR)											
51.86	7.3	58.6	.0	.0	50.3	.0	.0	.0	.0	.0	116.3
(500 YEAR)											
52.12	8.5	67.6	.0	.0	60.3	.0	.0	.0	.0	.0	136.4

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR13
DIFFUSION MODEL NODE NO. 13
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
51.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51.00	25.7	20.6	.0	.0	16.9	.0	.0	.0	.0	.0	63.2
51.00	79.3	63.5	.0	.0	55.7	.0	.0	.0	.0	.0	198.5
51.00	101.5	81.2	.0	.0	74.2	.0	.0	.0	.0	.0	256.9
51.00	126.8	101.4	.0	.0	89.0	.0	.0	.0	.0	.0	317.3
51.00	149.5	119.6	.0	.0	101.5	.0	.0	.0	.0	.0	370.7
(10YEAR)											
51.27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
51.70	66.4	53.1	.0	.0	44.2	.0	.0	.0	.0	.0	163.7
(100 YEAR)											
51.86	73.3	58.6	.0	.0	50.3	.0	.0	.0	.0	.0	182.3

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 52.12 *	84.5 *	67.6 *	.0 *	.0 *	60.3 *	.0 *	.0 *	.0 *	.0 *	.0 *	212.4 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR14
DIFFUSION MODEL NODE NO. 14
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(6.3)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
56.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56.00	2.6	.0	.0	.0	14.9	.0	.0	.0	.0	.0	17.5
56.00	7.9	.0	.0	.0	49.1	.0	.0	.0	.0	.0	57.0
56.00	10.1	.0	.0	.0	65.5	.0	.0	.0	.0	.0	75.6
56.00	12.7	.0	.0	.0	78.5	.0	.0	.0	.0	.0	91.2
56.00	15.0	.0	.0	.0	89.5	.0	.0	.0	.0	.0	104.5
(10YEAR)											
56.31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
56.71	6.7	.0	.0	.0	39.3	.0	.0	.0	.0	.0	46.0
(100 YEAR)											
56.85	7.3	.0	.0	.0	44.0	.0	.0	.0	.0	.0	51.3
(500 YEAR)											
57.05	8.2	.0	.0	.0	50.8	.0	.0	.0	.0	.0	58.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR14

DIFFUSION MODEL NODE NO. 14
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
56.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56.00	40.8	.0	.0	.0	14.9	.0	.0	.0	.0	.0	55.7
56.00	126.0	.0	.0	.0	49.1	.0	.0	.0	.0	.0	175.1
56.00	161.0	.0	.0	.0	65.5	.0	.0	.0	.0	.0	226.5
56.00	201.3	.0	.0	.0	78.5	.0	.0	.0	.0	.0	279.8
56.00	237.3	.0	.0	.0	89.5	.0	.0	.0	.0	.0	326.9
(10YEAR)											
56.31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
56.71	106.1	.0	.0	.0	39.3	.0	.0	.0	.0	.0	145.4
(100 YEAR)											
56.85	115.7	.0	.0	.0	44.0	.0	.0	.0	.0	.0	159.7
(500 YEAR)											
57.05	129.4	.0	.0	.0	50.8	.0	.0	.0	.0	.0	180.2

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR15
DIFFUSION MODEL NODE NO. 15
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(6.7)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
58.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58.00	2.6	.0	.0	.0	14.0	.0	.0	.0	.0	.0	16.6
58.00	7.9	.0	.0	.0	46.2	.0	.0	.0	.0	.0	54.1
58.00	10.1	.0	.0	.0	61.6	.0	.0	.0	.0	.0	71.7
58.00	12.7	.0	.0	.0	73.8	.0	.0	.0	.0	.0	86.5
58.00	15.0	.0	.0	.0	84.2	.0	.0	.0	.0	.0	99.1
(10YEAR)											
58.59	4.9	.0	.0	.0	26.6	.0	.0	.0	.0	.0	31.5
(50 YEAR)											
59.21	8.8	.0	.0	.0	52.8	.0	.0	.0	.0	.0	61.7

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 59.43 *	9.8 *	.0 *	.0 *	.0 *	59.7 *	.0 *	.0 *	.0 *	.0 *	.0 *	69.5 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 59.91 *	12.2 *	.0 *	.0 *	.0 *	71.7 *	.0 *	.0 *	.0 *	.0 *	.0 *	83.9 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR15
DIFFUSION MODEL NODE NO. 15
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
58.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58.00	38.3	.0	.0	.0	14.0	.0	.0	.0	.0	.0	52.4
58.00	118.4	.0	.0	.0	46.2	.0	.0	.0	.0	.0	164.6
58.00	151.4	.0	.0	.0	61.6	.0	.0	.0	.0	.0	213.0
58.00	189.2	.0	.0	.0	73.8	.0	.0	.0	.0	.0	263.1
58.00	223.2	.0	.0	.0	84.2	.0	.0	.0	.0	.0	307.4
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
58.59	72.9	.0	.0	.0	26.6	.0	.0	.0	.0	.0	99.5
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
59.21	132.0	.0	.0	.0	52.8	.0	.0	.0	.0	.0	184.8
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
59.43	146.4	.0	.0	.0	59.7	.0	.0	.0	.0	.0	206.1
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
59.91	182.3	.0	.0	.0	71.7	.0	.0	.0	.0	.0	254.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR16
DIFFUSION MODEL NODE NO. 16

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(8.3)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
59.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59.00	2.6	8.6	.0	.0	14.4	.0	.0	.0	.0	.0	25.6
59.00	7.9	26.5	.0	.0	47.6	.0	.0	.0	.0	.0	82.0
59.00	10.1	33.8	.0	.0	63.4	.0	.0	.0	.0	.0	107.4
59.00	12.7	42.3	.0	.0	76.1	.0	.0	.0	.0	.0	131.0
59.00	15.0	49.8	.0	.0	86.8	.0	.0	.0	.0	.0	151.5
(10YEAR)											
59.86	7.3	24.4	.0	.0	43.0	.0	.0	.0	.0	.0	74.8
(50 YEAR)											
60.54	10.3	34.5	.0	.0	64.6	.0	.0	.0	.0	.0	109.4
(100 YEAR)											
60.83	11.8	39.3	.0	.0	72.0	.0	.0	.0	.0	.0	123.1
(500 YEAR)											
61.41	14.8	49.2	.0	.0	85.9	.0	.0	.0	.0	.0	149.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR16
DIFFUSION MODEL NODE NO. 16
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
59.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59.00	31.0	8.6	.0	.0	14.4	.0	.0	.0	.0	.0	54.0
59.00	95.6	26.5	.0	.0	47.6	.0	.0	.0	.0	.0	169.6
59.00	122.2	33.8	.0	.0	63.4	.0	.0	.0	.0	.0	219.5
59.00	152.8	42.3	.0	.0	76.1	.0	.0	.0	.0	.0	271.1
59.00	180.2	49.8	.0	.0	86.8	.0	.0	.0	.0	.0	316.7
(10YEAR)											
59.86	88.3	24.4	.0	.0	43.0	.0	.0	.0	.0	.0	155.7
(50 YEAR)											
60.54	124.6	34.5	.0	.0	64.6	.0	.0	.0	.0	.0	223.6
(100 YEAR)											
60.83	142.2	39.3	.0	.0	72.0	.0	.0	.0	.0	.0	253.5

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 61.41 *	177.9 *	49.2 *	.0 *	.0 *	85.9 *	.0 *	.0 *	.0 *	.0 *	.0 *	313.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR20
DIFFUSION MODEL NODE NO. 20
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(20.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
45.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.00	2.6	.0	.0	.0	4.7	.0	.0	.0	.0	.0	7.3
45.00	7.9	.0	.0	.0	15.5	.0	.0	.0	.0	.0	23.4
45.00	10.1	.0	.0	.0	20.6	.0	.0	.0	.0	.0	30.8
45.00	12.7	.0	.0	.0	24.7	.0	.0	.0	.0	.0	37.4
45.00	15.0	.0	.0	.0	28.2	.0	.0	.0	.0	.0	43.2
(10YEAR)											
45.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
45.38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
45.50	2.6	.0	.0	.0	4.7	.0	.0	.0	.0	.0	7.3
(500 YEAR)											
45.72	6.7	.0	.0	.0	12.5	.0	.0	.0	.0	.0	19.2

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR20

DIFFUSION MODEL NODE NO. 20
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
45.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.00	12.8	.0	.0	.0	4.7	.0	.0	.0	.0	.0	17.5
45.00	39.7	.0	.0	.0	15.5	.0	.0	.0	.0	.0	55.1
45.00	50.7	.0	.0	.0	20.6	.0	.0	.0	.0	.0	71.4
45.00	63.4	.0	.0	.0	24.7	.0	.0	.0	.0	.0	88.1
45.00	74.8	.0	.0	.0	28.2	.0	.0	.0	.0	.0	103.0
(10YEAR)											
45.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
45.38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
45.50	12.8	.0	.0	.0	4.7	.0	.0	.0	.0	.0	17.5
(500 YEAR)											
45.72	33.6	.0	.0	.0	12.5	.0	.0	.0	.0	.0	46.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR21
DIFFUSION MODEL NODE NO. 21
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(10.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
49.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49.00	2.6	6.9	.0	.0	11.9	.0	.0	.0	.0	.0	21.3
49.00	7.9	21.2	.0	.0	39.2	.0	.0	.0	.0	.0	68.3
49.00	10.1	27.1	.0	.0	52.2	.0	.0	.0	.0	.0	89.4
49.00	12.7	33.8	.0	.0	62.7	.0	.0	.0	.0	.0	109.1
49.00	15.0	39.9	.0	.0	71.4	.0	.0	.0	.0	.0	126.3
(10YEAR)											
49.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
49.11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 49.12 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 49.16 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR21
DIFFUSION MODEL NODE NO. 21
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
49.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49.00	25.7	6.9	.0	.0	11.9	.0	.0	.0	.0	.0	44.4
49.00	79.3	21.2	.0	.0	39.2	.0	.0	.0	.0	.0	139.7
49.00	101.5	27.1	.0	.0	52.2	.0	.0	.0	.0	.0	180.8
49.00	126.8	33.8	.0	.0	62.7	.0	.0	.0	.0	.0	223.3
49.00	149.5	39.9	.0	.0	71.4	.0	.0	.0	.0	.0	260.8
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
49.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
49.11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
49.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
49.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR22
DIFFUSION MODEL NODE NO. 22

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(8.3)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
52.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52.00	2.6	.0	.0	.0	11.3	.0	.0	.0	.0	.0	13.9
52.00	7.9	.0	.0	.0	37.3	.0	.0	.0	.0	.0	45.2
52.00	10.1	.0	.0	.0	49.7	.0	.0	.0	.0	.0	59.8
52.00	12.7	.0	.0	.0	59.6	.0	.0	.0	.0	.0	72.3
52.00	15.0	.0	.0	.0	68.0	.0	.0	.0	.0	.0	82.9
(10YEAR)											
52.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
52.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
52.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
52.36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR22
DIFFUSION MODEL NODE NO. 22
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
52.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52.00	31.0	.0	.0	.0	11.3	.0	.0	.0	.0	.0	42.3
52.00	95.6	.0	.0	.0	37.3	.0	.0	.0	.0	.0	132.9
52.00	122.2	.0	.0	.0	49.7	.0	.0	.0	.0	.0	171.9
52.00	152.8	.0	.0	.0	59.6	.0	.0	.0	.0	.0	212.4
52.00	180.2	.0	.0	.0	68.0	.0	.0	.0	.0	.0	248.1
(10YEAR)											
52.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
52.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
52.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 52.36 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR23
DIFFUSION MODEL NODE NO. 23
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(5.6)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
54.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54.00	2.6	.0	.0	.0	16.8	.0	.0	.0	.0	.0	19.3
54.00	7.9	.0	.0	.0	55.2	.0	.0	.0	.0	.0	63.2
54.00	10.1	.0	.0	.0	73.7	.0	.0	.0	.0	.0	83.8
54.00	12.7	.0	.0	.0	88.3	.0	.0	.0	.0	.0	101.0
54.00	15.0	.0	.0	.0	100.7	.0	.0	.0	.0	.0	115.7
(10YEAR)											
54.40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
54.94	7.7	.0	.0	.0	53.0	.0	.0	.0	.0	.0	60.6
(100 YEAR)											
55.16	8.6	.0	.0	.0	61.3	.0	.0	.0	.0	.0	69.9
(500 YEAR)											
55.59	10.6	.0	.0	.0	76.5	.0	.0	.0	.0	.0	87.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR23

DIFFUSION MODEL NODE NO. 23

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
54.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54.00	45.9	.0	.0	.0	16.8	.0	.0	.0	.0	.0	62.6
54.00	141.7	.0	.0	.0	55.2	.0	.0	.0	.0	.0	196.9
54.00	181.2	.0	.0	.0	73.7	.0	.0	.0	.0	.0	254.8
54.00	226.4	.0	.0	.0	88.3	.0	.0	.0	.0	.0	314.7
54.00	267.0	.0	.0	.0	100.7	.0	.0	.0	.0	.0	367.7
(10YEAR)											
54.40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
54.94	137.1	.0	.0	.0	53.0	.0	.0	.0	.0	.0	190.0
(100 YEAR)											
55.16	154.0	.0	.0	.0	61.3	.0	.0	.0	.0	.0	215.4
(500 YEAR)											
55.59	188.9	.0	.0	.0	76.5	.0	.0	.0	.0	.0	265.5

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR24

DIFFUSION MODEL NODE NO. 24

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(6.3)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
57.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57.00	2.6	.0	.0	.0	14.9	.0	.0	.0	.0	.0	17.5
57.00	7.9	.0	.0	.0	49.1	.0	.0	.0	.0	.0	57.0
57.00	10.1	.0	.0	.0	65.5	.0	.0	.0	.0	.0	75.6
57.00	12.7	.0	.0	.0	78.5	.0	.0	.0	.0	.0	91.2
57.00	15.0	.0	.0	.0	89.5	.0	.0	.0	.0	.0	104.5
(10YEAR)											
57.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
57.38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 57.49 *	2.3 *	.0 *	.0 *	.0 *	13.4 *	.0 *	.0 *	.0 *	.0 *	.0 *	15.7 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 57.71 *	6.7 *	.0 *	.0 *	.0 *	39.3 *	.0 *	.0 *	.0 *	.0 *	.0 *	46.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR24
DIFFUSION MODEL NODE NO. 24
(Damages are in $1,000)

Damage Categories

* Elevation*	SF *	MF *	MH *	COMM *	RESCON *	MHCON *	COMCON *	OTHER *	*	*	Total *
* 57.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 57.00 *	40.8 *	.0 *	.0 *	.0 *	14.9 *	.0 *	.0 *	.0 *	.0 *	.0 *	55.7 *
* 57.00 *	126.0 *	.0 *	.0 *	.0 *	49.1 *	.0 *	.0 *	.0 *	.0 *	.0 *	175.1 *
* 57.00 *	161.0 *	.0 *	.0 *	.0 *	65.5 *	.0 *	.0 *	.0 *	.0 *	.0 *	226.5 *
* 57.00 *	201.3 *	.0 *	.0 *	.0 *	78.5 *	.0 *	.0 *	.0 *	.0 *	.0 *	279.8 *
* 57.00 *	237.3 *	.0 *	.0 *	.0 *	89.5 *	.0 *	.0 *	.0 *	.0 *	.0 *	326.9 *
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 57.16 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 57.38 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 57.49 *	36.7 *	.0 *	.0 *	.0 *	13.4 *	.0 *	.0 *	.0 *	.0 *	.0 *	50.1 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 57.71 *	106.1 *	.0 *	.0 *	.0 *	39.3 *	.0 *	.0 *	.0 *	.0 *	.0 *	145.4 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR28
DIFFUSION MODEL NODE NO. 28

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
44.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
44.00	.0	74.6	.0	35.5	27.3	.0	11.2	.0	.0	.0	148.6
44.00	.0	230.5	.0	109.5	89.9	.0	34.4	.0	.0	.0	464.3
44.00	.0	294.8	.0	140.0	119.8	.0	43.2	.0	.0	.0	597.8
44.00	.0	368.4	.0	175.0	143.7	.0	51.0	.0	.0	.0	738.0
44.00	.0	434.4	.0	206.3	163.9	.0	57.7	.0	.0	.0	862.3
(10YEAR)											
44.15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
44.31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
44.32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
44.42	.0	14.9	.0	7.1	5.5	.0	2.2	.0	.0	.0	29.7

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR28
DIFFUSION MODEL NODE NO. 28
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
44.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
44.00	.0	74.6	.0	35.5	27.3	.0	11.2	.0	.0	.0	148.6
44.00	.0	230.5	.0	109.5	89.9	.0	34.4	.0	.0	.0	464.3
44.00	.0	294.8	.0	140.0	119.8	.0	43.2	.0	.0	.0	597.8
44.00	.0	368.4	.0	175.0	143.7	.0	51.0	.0	.0	.0	738.0
44.00	.0	434.4	.0	206.3	163.9	.0	57.7	.0	.0	.0	862.3
(10YEAR)											
44.15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
44.31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
44.32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 44.42 *	.0 *	14.9 *	.0 *	7.1 *	5.5 *	.0 *	2.2 *	.0 *	.0 *	.0 *	29.7 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR29
DIFFUSION MODEL NODE NO. 29
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(16.7)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
46.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
46.00	2.6	.0	.0	50.1	5.6	.0	15.9	.0	.0	.0	74.2
46.00	7.9	.0	.0	154.8	18.5	.0	48.6	.0	.0	.0	229.8
46.00	10.1	.0	.0	197.9	24.7	.0	61.1	.0	.0	.0	293.8
46.00	12.7	.0	.0	247.3	29.6	.0	72.0	.0	.0	.0	361.7
46.00	15.0	.0	.0	291.7	33.8	.0	81.5	.0	.0	.0	421.9
(10YEAR)											
46.34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
46.68	6.6	.0	.0	127.8	14.4	.0	40.4	.0	.0	.0	189.2
(100 YEAR)											
46.80	7.1	.0	.0	137.9	16.0	.0	43.5	.0	.0	.0	204.5
(500 YEAR)											
47.05	8.2	.0	.0	159.0	19.2	.0	49.9	.0	.0	.0	236.2

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR29

DIFFUSION MODEL NODE NO. 29

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
46.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
46.00	15.4	.0	.0	50.1	5.6	.0	15.9	.0	.0	.0	87.0
46.00	47.5	.0	.0	154.8	18.5	.0	48.6	.0	.0	.0	269.4
46.00	60.8	.0	.0	197.9	24.7	.0	61.1	.0	.0	.0	344.4
46.00	75.9	.0	.0	247.3	29.6	.0	72.0	.0	.0	.0	424.9
46.00	89.5	.0	.0	291.7	33.8	.0	81.5	.0	.0	.0	496.5
(10YEAR)											
46.34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
46.68	39.2	.0	.0	127.8	14.4	.0	40.4	.0	.0	.0	221.9
(100 YEAR)											
46.80	42.3	.0	.0	137.9	16.0	.0	43.5	.0	.0	.0	239.7
(500 YEAR)											
47.05	48.8	.0	.0	159.0	19.2	.0	49.9	.0	.0	.0	276.8

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR30

DIFFUSION MODEL NODE NO. 30

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(10.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
47.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47.00	2.6	.0	.0	42.4	9.4	.0	13.4	.0	.0	.0	67.8
47.00	7.9	.0	.0	131.0	30.9	.0	41.1	.0	.0	.0	211.0
47.00	10.1	.0	.0	167.5	41.2	.0	51.7	.0	.0	.0	270.5
47.00	12.7	.0	.0	209.3	49.5	.0	61.0	.0	.0	.0	332.4
47.00	15.0	.0	.0	246.8	56.4	.0	69.0	.0	.0	.0	387.1
(10YEAR)											
47.63	5.9	.0	.0	97.5	21.6	.0	30.9	.0	.0	.0	155.9
(50 YEAR)											
48.21	8.8	.0	.0	146.0	35.4	.0	45.6	.0	.0	.0	235.8

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 48.40 *	9.7 *	.0 *	.0 *	159.5 *	39.5 *	.0 *	49.7 *	.0 *	.0 *	.0 *	258.3 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 48.89 *	12.1 *	.0 *	.0 *	199.9 *	47.7 *	.0 *	59.0 *	.0 *	.0 *	.0 *	318.7 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR30
DIFFUSION MODEL NODE NO. 30
(Damages are in $1,000)

Damage Categories

* Elevation*	SF *	MF *	MH *	COMM *	RESCON *	MHCON *	COMCON *	OTHER *	*	*	Total *
* 47.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 47.00 *	25.7 *	.0 *	.0 *	42.4 *	9.4 *	.0 *	13.4 *	.0 *	.0 *	.0 *	90.9 *
* 47.00 *	79.3 *	.0 *	.0 *	131.0 *	30.9 *	.0 *	41.1 *	.0 *	.0 *	.0 *	282.4 *
* 47.00 *	101.5 *	.0 *	.0 *	167.5 *	41.2 *	.0 *	51.7 *	.0 *	.0 *	.0 *	361.9 *
* 47.00 *	126.8 *	.0 *	.0 *	209.3 *	49.5 *	.0 *	61.0 *	.0 *	.0 *	.0 *	446.5 *
* 47.00 *	149.5 *	.0 *	.0 *	246.8 *	56.4 *	.0 *	69.0 *	.0 *	.0 *	.0 *	521.7 *
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 47.63 *	59.1 *	.0 *	.0 *	97.5 *	21.6 *	.0 *	30.9 *	.0 *	.0 *	.0 *	209.1 *
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 48.21 *	88.4 *	.0 *	.0 *	146.0 *	35.4 *	.0 *	45.6 *	.0 *	.0 *	.0 *	315.4 *
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 48.40 *	96.6 *	.0 *	.0 *	159.5 *	39.5 *	.0 *	49.7 *	.0 *	.0 *	.0 *	345.3 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 48.89 *	121.1 *	.0 *	.0 *	199.9 *	47.7 *	.0 *	59.0 *	.0 *	.0 *	.0 *	427.7 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR31
DIFFUSION MODEL NODE NO. 31

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(16.7)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
51.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51.00	2.6	23.8	.0	18.5	14.3	.0	5.9	.0	.0	.0	65.1
51.00	7.9	73.5	.0	57.1	47.2	.0	17.9	.0	.0	.0	203.7
51.00	10.1	94.0	.0	73.1	62.9	.0	22.5	.0	.0	.0	262.7
51.00	12.7	117.5	.0	91.3	75.5	.0	26.6	.0	.0	.0	323.5
51.00	15.0	138.6	.0	107.7	86.0	.0	30.1	.0	.0	.0	377.3
(10YEAR)											
51.47	1.8	16.7	.0	12.9	10.0	.0	4.1	.0	.0	.0	45.5
(50 YEAR)											
51.91	7.5	69.9	.0	54.3	44.3	.0	17.1	.0	.0	.0	193.2
(100 YEAR)											
52.04	8.1	75.1	.0	58.4	48.5	.0	18.3	.0	.0	.0	208.4
(500 YEAR)											
52.23	8.9	82.7	.0	64.3	54.7	.0	20.1	.0	.0	.0	230.7

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR31
DIFFUSION MODEL NODE NO. 31
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
51.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51.00	15.4	23.8	.0	18.5	14.3	.0	5.9	.0	.0	.0	77.9
51.00	47.5	73.5	.0	57.1	47.2	.0	17.9	.0	.0	.0	243.3
51.00	60.8	94.0	.0	73.1	62.9	.0	22.5	.0	.0	.0	313.3
51.00	75.9	117.5	.0	91.3	75.5	.0	26.6	.0	.0	.0	386.7
51.00	89.5	138.6	.0	107.7	86.0	.0	30.1	.0	.0	.0	451.9
(10YEAR)											
51.47	10.8	16.7	.0	12.9	10.0	.0	4.1	.0	.0	.0	54.5
(50 YEAR)											
51.91	45.2	69.9	.0	54.3	44.3	.0	17.1	.0	.0	.0	230.8
(100 YEAR)											
52.04	48.5	75.1	.0	58.4	48.5	.0	18.3	.0	.0	.0	248.9

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 52.23 *	53.5 *	82.7 *	.0 *	64.3 *	54.7 *	.0 *	20.1 *	.0 *	.0 *	.0 *	275.2 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR32
DIFFUSION MODEL NODE NO. 32
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(20.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
53.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53.00	2.6	11.9	.0	27.7	9.1	.0	8.8	.0	.0	.0	60.1
53.00	7.9	36.8	.0	85.7	29.8	.0	26.9	.0	.0	.0	187.2
53.00	10.1	47.1	.0	109.6	39.8	.0	33.8	.0	.0	.0	240.4
53.00	12.7	58.8	.0	136.9	47.7	.0	39.9	.0	.0	.0	296.0
53.00	15.0	69.4	.0	161.5	54.4	.0	45.1	.0	.0	.0	345.3
(10YEAR)											
54.09	8.3	38.6	.0	89.9	31.7	.0	28.2	.0	.0	.0	196.7
(50 YEAR)											
54.62	10.7	49.8	.0	115.8	41.8	.0	35.3	.0	.0	.0	253.5
(100 YEAR)											
54.78	11.5	53.6	.0	124.7	44.3	.0	37.3	.0	.0	.0	271.4
(500 YEAR)											
55.19	13.7	63.4	.0	147.5	50.6	.0	42.2	.0	.0	.0	317.3

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR32

DIFFUSION MODEL NODE NO. 32
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
53.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53.00	12.8	11.9	.0	27.7	9.1	.0	8.8	.0	.0	.0	70.4
53.00	39.7	36.8	.0	85.7	29.8	.0	26.9	.0	.0	.0	218.9
53.00	50.7	47.1	.0	109.6	39.8	.0	33.8	.0	.0	.0	281.0
53.00	63.4	58.8	.0	136.9	47.7	.0	39.9	.0	.0	.0	346.7
53.00	74.8	69.4	.0	161.5	54.4	.0	45.1	.0	.0	.0	405.1
(10YEAR)											
54.09	41.6	38.6	.0	89.9	31.7	.0	28.2	.0	.0	.0	230.0
(50 YEAR)											
54.62	53.6	49.8	.0	115.8	41.8	.0	35.3	.0	.0	.0	296.4
(100 YEAR)											
54.78	57.7	53.6	.0	124.7	44.3	.0	37.3	.0	.0	.0	317.5
(500 YEAR)											
55.19	68.3	63.4	.0	147.5	50.6	.0	42.2	.0	.0	.0	371.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR35
DIFFUSION MODEL NODE NO. 35
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(11.1)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	2.6	41.1	.0	43.2	23.5	.0	13.7	.0	.0	.0	124.0
37.00	7.9	127.0	.0	133.3	77.4	.0	41.8	.0	.0	.0	387.4
37.00	10.1	162.3	.0	170.5	103.2	.0	52.6	.0	.0	.0	498.7
37.00	12.7	202.9	.0	213.0	123.7	.0	62.1	.0	.0	.0	614.3
37.00	15.0	239.2	.0	251.2	141.1	.0	70.2	.0	.0	.0	716.6
(10YEAR)											
37.13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
37.24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 37.36 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 37.49 *	2.3 *	37.0 *	.0 *	38.8 *	21.1 *	.0 *	12.3 *	.0 *	.0 *	.0 *	111.6 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR35
DIFFUSION MODEL NODE NO. 35
(Damages are in $1,000)

Damage Categories

* Elevation*	SF *	MF *	MH *	COMM *	RESCON *	MHCON *	COMCON *	OTHER *	*	*	Total *
* 37.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 37.00 *	23.1 *	41.1 *	.0 *	43.2 *	23.5 *	.0 *	13.7 *	.0 *	.0 *	.0 *	144.6 *
* 37.00 *	71.5 *	127.0 *	.0 *	133.3 *	77.4 *	.0 *	41.8 *	.0 *	.0 *	.0 *	451.0 *
* 37.00 *	91.4 *	162.3 *	.0 *	170.5 *	103.2 *	.0 *	52.6 *	.0 *	.0 *	.0 *	579.9 *
* 37.00 *	114.2 *	202.9 *	.0 *	213.0 *	123.7 *	.0 *	62.1 *	.0 *	.0 *	.0 *	715.8 *
* 37.00 *	134.7 *	239.2 *	.0 *	251.2 *	141.1 *	.0 *	70.2 *	.0 *	.0 *	.0 *	836.4 *
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 37.13 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 37.24 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 37.36 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 37.49 *	20.8 *	37.0 *	.0 *	38.8 *	21.1 *	.0 *	12.3 *	.0 *	.0 *	.0 *	130.1 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR36
DIFFUSION MODEL NODE NO. 36

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(5.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
41.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41.00	2.6	5.1	.0	18.5	20.7	.0	5.9	.0	.0	.0	52.7
41.00	7.9	15.9	.0	57.1	68.1	.0	17.9	.0	.0	.0	166.9
41.00	10.1	20.3	.0	73.1	90.7	.0	22.5	.0	.0	.0	216.8
41.00	12.7	25.4	.0	91.3	108.8	.0	26.6	.0	.0	.0	264.7
41.00	15.0	29.9	.0	107.7	124.1	.0	30.1	.0	.0	.0	306.7
(10YEAR)											
41.31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
41.58	4.6	9.2	.0	33.3	37.2	.0	10.5	.0	.0	.0	94.9
(100 YEAR)											
41.68	6.6	13.1	.0	47.2	53.1	.0	14.9	.0	.0	.0	134.8
(500 YEAR)											
41.79	7.0	14.1	.0	50.6	58.2	.0	16.0	.0	.0	.0	145.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR36
DIFFUSION MODEL NODE NO. 36
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
41.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41.00	51.4	5.1	.0	18.5	20.7	.0	5.9	.0	.0	.0	101.5
41.00	158.7	15.9	.0	57.1	68.1	.0	17.9	.0	.0	.0	317.7
41.00	202.9	20.3	.0	73.1	90.7	.0	22.5	.0	.0	.0	409.5
41.00	253.6	25.4	.0	91.3	108.8	.0	26.6	.0	.0	.0	505.6
41.00	299.0	29.9	.0	107.7	124.1	.0	30.1	.0	.0	.0	590.8
(10YEAR)											
41.31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
41.58	92.5	9.2	.0	33.3	37.2	.0	10.5	.0	.0	.0	182.8
(100 YEAR)											
41.68	131.1	13.1	.0	47.2	53.1	.0	14.9	.0	.0	.0	259.3

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 41.79 *	140.6 *	14.1 *	.0 *	50.6 *	58.2 *	.0 *	16.0 *	.0 *	.0 *	.0 *	279.4 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR37
DIFFUSION MODEL NODE NO. 37
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(11.1)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
43.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43.00	2.6	44.5	.0	49.3	24.7	.0	15.6	.0	.0	.0	136.8
43.00	7.9	137.5	.0	152.4	81.5	.0	47.8	.0	.0	.0	427.1
43.00	10.1	175.9	.0	194.8	108.7	.0	60.1	.0	.0	.0	549.6
43.00	12.7	219.8	.0	243.4	130.3	.0	70.9	.0	.0	.0	677.1
43.00	15.0	259.2	.0	287.1	148.6	.0	80.2	.0	.0	.0	790.0
(10YEAR)											
43.49	2.3	40.1	.0	44.4	22.3	.0	14.1	.0	.0	.0	123.1
(50 YEAR)											
43.90	7.5	130.1	.0	144.1	75.9	.0	45.3	.0	.0	.0	402.8
(100 YEAR)											
44.04	8.1	140.5	.0	155.7	83.7	.0	48.8	.0	.0	.0	436.9
(500 YEAR)											
44.33	9.4	162.3	.0	179.7	100.0	.0	56.1	.0	.0	.0	507.4

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR37

DIFFUSION MODEL NODE NO. 37

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
43.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43.00	23.1	44.5	.0	49.3	24.7	.0	15.6	.0	.0	.0	157.4
43.00	71.5	137.5	.0	152.4	81.5	.0	47.8	.0	.0	.0	490.7
43.00	91.4	175.9	.0	194.8	108.7	.0	60.1	.0	.0	.0	630.8
43.00	114.2	219.8	.0	243.4	130.3	.0	70.9	.0	.0	.0	778.6
43.00	134.7	259.2	.0	287.1	148.6	.0	80.2	.0	.0	.0	909.8
(10YEAR)											
43.49	20.8	40.1	.0	44.4	22.3	.0	14.1	.0	.0	.0	141.6
(50 YEAR)											
43.90	67.6	130.1	.0	144.1	75.9	.0	45.3	.0	.0	.0	462.9
(100 YEAR)											
44.04	73.0	140.5	.0	155.7	83.7	.0	48.8	.0	.0	.0	501.8
(500 YEAR)											
44.33	84.3	162.3	.0	179.7	100.0	.0	56.1	.0	.0	.0	582.4

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR38

DIFFUSION MODEL NODE NO. 38

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
45.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.00	.0	83.9	.0	72.5	30.7	.0	22.9	.0	.0	.0	210.0
45.00	.0	259.2	.0	223.8	101.0	.0	70.2	.0	.0	.0	654.3
45.00	.0	331.4	.0	286.1	134.7	.0	88.3	.0	.0	.0	840.6
45.00	.0	414.2	.0	357.5	161.6	.0	104.2	.0	.0	.0	1037.5
45.00	.0	488.4	.0	421.7	184.2	.0	117.8	.0	.0	.0	1212.2
(10YEAR)											
45.26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
45.54	.0	117.5	.0	101.4	43.0	.0	32.1	.0	.0	.0	294.0

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 45.68 *	.0 *	214.1 *	.0 *	184.8 *	78.8 *	.0 *	58.5 *	.0 *	.0 *	.0 *	536.1 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 46.04 *	.0 *	264.9 *	.0 *	228.6 *	103.8 *	.0 *	71.7 *	.0 *	.0 *	.0 *	669.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR38
DIFFUSION MODEL NODE NO. 38
(Damages are in $1,000)

Damage Categories

* Elevation*	SF *	MF *	MH *	COMM *	RESCON *	MHCON *	COMCON *	OTHER *	*	*	Total *
* 45.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 45.00 *	.0 *	83.9 *	.0 *	72.5 *	30.7 *	.0 *	22.9 *	.0 *	.0 *	.0 *	210.0 *
* 45.00 *	.0 *	259.2 *	.0 *	223.8 *	101.0 *	.0 *	70.2 *	.0 *	.0 *	.0 *	654.3 *
* 45.00 *	.0 *	331.4 *	.0 *	286.1 *	134.7 *	.0 *	88.3 *	.0 *	.0 *	.0 *	840.6 *
* 45.00 *	.0 *	414.2 *	.0 *	357.5 *	161.6 *	.0 *	104.2 *	.0 *	.0 *	.0 *	1037.5 *
* 45.00 *	.0 *	488.4 *	.0 *	421.7 *	184.2 *	.0 *	117.8 *	.0 *	.0 *	.0 *	1212.2 *
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 45.26 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 45.54 *	.0 *	117.5 *	.0 *	101.4 *	43.0 *	.0 *	32.1 *	.0 *	.0 *	.0 *	294.0 *
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 45.68 *	.0 *	214.1 *	.0 *	184.8 *	78.8 *	.0 *	58.5 *	.0 *	.0 *	.0 *	536.1 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 46.04 *	.0 *	264.9 *	.0 *	228.6 *	103.8 *	.0 *	71.7 *	.0 *	.0 *	.0 *	669.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR39
DIFFUSION MODEL NODE NO. 39

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
48.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48.00	.0	36.1	.0	101.7	13.2	.0	32.2	.0	.0	.0	183.3
48.00	.0	111.5	.0	314.2	43.5	.0	98.6	.0	.0	.0	567.8
48.00	.0	142.6	.0	401.8	58.0	.0	124.0	.0	.0	.0	726.3
48.00	.0	178.2	.0	502.1	69.5	.0	146.3	.0	.0	.0	896.0
48.00	.0	210.1	.0	592.1	79.3	.0	165.5	.0	.0	.0	1047.0
(10YEAR)											
48.25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
48.33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
48.25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
48.38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR39
DIFFUSION MODEL NODE NO. 39
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
48.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48.00	.0	36.1	.0	101.7	13.2	.0	32.2	.0	.0	.0	183.3
48.00	.0	111.5	.0	314.2	43.5	.0	98.6	.0	.0	.0	567.8
48.00	.0	142.6	.0	401.8	58.0	.0	124.0	.0	.0	.0	726.3
48.00	.0	178.2	.0	502.1	69.5	.0	146.3	.0	.0	.0	896.0
48.00	.0	210.1	.0	592.1	79.3	.0	165.5	.0	.0	.0	1047.0
(10YEAR)											
48.25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
48.33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
48.25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 48.38 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR40
DIFFUSION MODEL NODE NO. 40
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
52.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52.00	.0	24.0	.0	57.9	8.8	.0	18.3	.0	.0	.0	108.9
52.00	.0	74.1	.0	178.7	28.9	.0	56.1	.0	.0	.0	337.7
52.00	.0	94.7	.0	228.5	38.5	.0	70.5	.0	.0	.0	432.2
52.00	.0	118.3	.0	285.5	46.2	.0	83.2	.0	.0	.0	533.2
52.00	.0	139.6	.0	336.7	52.6	.0	94.1	.0	.0	.0	623.0
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
52.24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
52.39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
52.44	.0	9.6	.0	23.1	3.5	.0	7.3	.0	.0	.0	43.6
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
52.56	.0	38.4	.0	92.6	14.0	.0	29.3	.0	.0	.0	174.3

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR40

DIFFUSION MODEL NODE NO. 40

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
52.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52.00	.0	24.0	.0	57.9	8.8	.0	18.3	.0	.0	.0	108.9
52.00	.0	74.1	.0	178.7	28.9	.0	56.1	.0	.0	.0	337.7
52.00	.0	94.7	.0	228.5	38.5	.0	70.5	.0	.0	.0	432.2
52.00	.0	118.3	.0	285.5	46.2	.0	83.2	.0	.0	.0	533.2
52.00	.0	139.6	.0	336.7	52.6	.0	94.1	.0	.0	.0	623.0
(10YEAR)											
52.24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
52.39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
52.44	.0	9.6	.0	23.1	3.5	.0	7.3	.0	.0	.0	43.6
(500 YEAR)											
52.56	.0	38.4	.0	92.6	14.0	.0	29.3	.0	.0	.0	174.3

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR43

DIFFUSION MODEL NODE NO. 43

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(2.9)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
35.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.00	2.6	.0	.0	.0	32.4	.0	.0	.0	.0	.0	35.0
35.00	7.9	.0	.0	.0	106.7	.0	.0	.0	.0	.0	114.6
35.00	10.1	.0	.0	.0	142.2	.0	.0	.0	.0	.0	152.4
35.00	12.7	.0	.0	.0	170.6	.0	.0	.0	.0	.0	183.2
35.00	15.0	.0	.0	.0	194.5	.0	.0	.0	.0	.0	209.4
(10YEAR)											
35.15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
35.43	.8	.0	.0	.0	9.7	.0	.0	.0	.0	.0	10.5

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 35.50 *	2.6 *	.0 *	.0 *	.0 *	32.4 *	.0 *	.0 *	.0 *	.0 *	.0 *	35.0 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 35.77 *	6.9 *	.0 *	.0 *	.0 *	89.8 *	.0 *	.0 *	.0 *	.0 *	.0 *	96.7 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR43
DIFFUSION MODEL NODE NO. 43
(Damages are in $1,000)

Damage Categories

* Elevation*	SF *	MF *	MH *	COMM *	RESCON *	MHCON *	COMCON *	OTHER *	*	*	Total *
* 35.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 35.00 *	88.6 *	.0 *	.0 *	.0 *	32.4 *	.0 *	.0 *	.0 *	.0 *	.0 *	121.0 *
* 35.00 *	273.6 *	.0 *	.0 *	.0 *	106.7 *	.0 *	.0 *	.0 *	.0 *	.0 *	380.3 *
* 35.00 *	349.9 *	.0 *	.0 *	.0 *	142.2 *	.0 *	.0 *	.0 *	.0 *	.0 *	492.1 *
* 35.00 *	437.2 *	.0 *	.0 *	.0 *	170.6 *	.0 *	.0 *	.0 *	.0 *	.0 *	607.8 *
* 35.00 *	515.6 *	.0 *	.0 *	.0 *	194.5 *	.0 *	.0 *	.0 *	.0 *	.0 *	710.1 *
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 35.15 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 35.43 *	26.6 *	.0 *	.0 *	.0 *	9.7 *	.0 *	.0 *	.0 *	.0 *	.0 *	36.3 *
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 35.50 *	88.6 *	.0 *	.0 *	.0 *	32.4 *	.0 *	.0 *	.0 *	.0 *	.0 *	121.0 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 35.77 *	239.4 *	.0 *	.0 *	.0 *	89.8 *	.0 *	.0 *	.0 *	.0 *	.0 *	329.1 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR44
DIFFUSION MODEL NODE NO. 44

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(2.1)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	2.6	.0	.0	.0	44.7	.0	.0	.0	.0	.0	47.3
37.00	7.9	.0	.0	.0	147.3	.0	.0	.0	.0	.0	155.2
37.00	10.1	.0	.0	.0	196.4	.0	.0	.0	.0	.0	206.6
37.00	12.7	.0	.0	.0	235.5	.0	.0	.0	.0	.0	248.2
37.00	15.0	.0	.0	.0	268.6	.0	.0	.0	.0	.0	283.5
(10YEAR)											
37.26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
37.60	5.1	.0	.0	.0	89.4	.0	.0	.0	.0	.0	94.6
(100 YEAR)											
37.76	6.9	.0	.0	.0	123.0	.0	.0	.0	.0	.0	129.9
(500 YEAR)											
38.12	8.5	.0	.0	.0	159.5	.0	.0	.0	.0	.0	167.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR44
DIFFUSION MODEL NODE NO. 44
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	122.3	.0	.0	.0	44.7	.0	.0	.0	.0	.0	167.1
37.00	377.9	.0	.0	.0	147.3	.0	.0	.0	.0	.0	525.2
37.00	483.1	.0	.0	.0	196.4	.0	.0	.0	.0	.0	679.6
37.00	603.8	.0	.0	.0	235.5	.0	.0	.0	.0	.0	839.3
37.00	712.0	.0	.0	.0	268.6	.0	.0	.0	.0	.0	980.6
(10YEAR)											
37.26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
37.60	244.7	.0	.0	.0	89.4	.0	.0	.0	.0	.0	334.1
(100 YEAR)											
37.76	328.5	.0	.0	.0	123.0	.0	.0	.0	.0	.0	451.4

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 38.12 *	402.5 *	.0 *	.0 *	.0 *	159.5 *	.0 *	.0 *	.0 *	.0 *	.0 *	562.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR45
DIFFUSION MODEL NODE NO. 45
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (2.3)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
40.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.00	.0	.0	1.4	.0	.0	17.7	.0	.0	.0	.0	19.2
40.00	.0	.0	4.4	.0	.0	98.0	.0	.0	.0	.0	102.5
40.00	.0	.0	5.7	.0	.0	174.4	.0	.0	.0	.0	180.1
40.00	.0	.0	7.1	.0	.0	248.8	.0	.0	.0	.0	255.9
(10YEAR)											
40.43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
40.53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
40.61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
40.93	.0	.0	.4	.0	.0	5.3	.0	.0	.0	.0	5.8

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR45

DIFFUSION MODEL NODE NO. 45
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
40.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.00	.0	.0	62.6	.0	.0	17.7	.0	.0	.0	.0	80.3
40.00	.0	.0	193.2	.0	.0	98.0	.0	.0	.0	.0	291.2
40.00	.0	.0	247.0	.0	.0	174.4	.0	.0	.0	.0	421.4
40.00	.0	.0	308.7	.0	.0	248.8	.0	.0	.0	.0	557.5
(10YEAR)											
40.43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
40.53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
40.61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
40.93	.0	.0	18.8	.0	.0	5.3	.0	.0	.0	.0	24.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR46
DIFFUSION MODEL NODE NO. 46
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(100.0)	(100.0)	(1.4)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
42.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
42.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
42.00	.0	.0	1.4	.0	.0	29.2	.0	.0	.0	.0	30.6
42.00	.0	.0	4.4	.0	.0	161.1	.0	.0	.0	.0	165.5
42.00	.0	.0	5.7	.0	.0	286.5	.0	.0	.0	.0	292.2
42.00	.0	.0	7.1	.0	.0	408.7	.0	.0	.0	.0	415.8
(10YEAR)											
42.66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
43.15	.0	.0	3.6	.0	.0	72.9	.0	.0	.0	.0	76.5

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 43.27 *	.0 *	.0 *	3.9 *	.0 *	.0 *	103.1 *	.0 *	.0 *	.0 *	.0 *	107.0 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 43.64 *	.0 *	.0 *	4.8 *	.0 *	.0 *	196.4 *	.0 *	.0 *	.0 *	.0 *	201.1 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR46
DIFFUSION MODEL NODE NO. 46
(Damages are in $1,000)

Damage Categories

* Elevation*	SF *	MF *	MH *	COMM *	RESCON *	MHCON *	COMCON *	OTHER *	*	*	Total *
* 42.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 42.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 42.00 *	.0 *	.0 *	102.8 *	.0 *	.0 *	29.2 *	.0 *	.0 *	.0 *	.0 *	131.9 *
* 42.00 *	.0 *	.0 *	317.4 *	.0 *	.0 *	161.1 *	.0 *	.0 *	.0 *	.0 *	478.5 *
* 42.00 *	.0 *	.0 *	405.8 *	.0 *	.0 *	286.5 *	.0 *	.0 *	.0 *	.0 *	692.4 *
* 42.00 *	.0 *	.0 *	507.1 *	.0 *	.0 *	408.7 *	.0 *	.0 *	.0 *	.0 *	915.9 *
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 42.66 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 43.15 *	.0 *	.0 *	256.9 *	.0 *	.0 *	72.9 *	.0 *	.0 *	.0 *	.0 *	329.8 *
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 43.27 *	.0 *	.0 *	277.7 *	.0 *	.0 *	103.1 *	.0 *	.0 *	.0 *	.0 *	380.8 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 43.64 *	.0 *	.0 *	341.6 *	.0 *	.0 *	196.4 *	.0 *	.0 *	.0 *	.0 *	537.9 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR47
DIFFUSION MODEL NODE NO. 47

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (1.2)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
45.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.00	.0	.0	1.4	.0	.0	34.0	.0	.0	.0	.0	35.5
45.00	.0	.0	4.4	.0	.0	187.9	.0	.0	.0	.0	192.4
45.00	.0	.0	5.7	.0	.0	334.3	.0	.0	.0	.0	340.0
45.00	.0	.0	7.1	.0	.0	476.8	.0	.0	.0	.0	483.9
(10YEAR)											
45.90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
46.51	.0	.0	4.5	.0	.0	190.9	.0	.0	.0	.0	195.3
(100 YEAR)											
46.69	.0	.0	4.9	.0	.0	243.8	.0	.0	.0	.0	248.7
(500 YEAR)											
47.04	.0	.0	5.8	.0	.0	345.8	.0	.0	.0	.0	351.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR47
DIFFUSION MODEL NODE NO. 47
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
45.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.00	.0	.0	119.9	.0	.0	34.0	.0	.0	.0	.0	153.9
45.00	.0	.0	370.3	.0	.0	187.9	.0	.0	.0	.0	558.2
45.00	.0	.0	473.5	.0	.0	334.3	.0	.0	.0	.0	807.8
45.00	.0	.0	591.7	.0	.0	476.8	.0	.0	.0	.0	1068.5
(10YEAR)											
45.90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
46.51	.0	.0	372.3	.0	.0	190.9	.0	.0	.0	.0	563.2
(100 YEAR)											
46.69	.0	.0	408.6	.0	.0	243.8	.0	.0	.0	.0	652.4

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 47.04 *	.0 *	.0 *	482.5 *	.0 *	.0 *	345.8 *	.0 *	.0 *	.0 *	.0 *	828.3 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR48
DIFFUSION MODEL NODE NO. 48
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
48.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48.00	.0	69.4	.0	37.0	25.4	.0	11.7	.0	.0	.0	143.5
48.00	.0	214.5	.0	114.3	83.6	.0	35.9	.0	.0	.0	448.2
48.00	.0	274.2	.0	146.1	111.5	.0	45.1	.0	.0	.0	576.9
48.00	.0	342.7	.0	182.6	133.7	.0	53.2	.0	.0	.0	712.1
48.00	.0	404.1	.0	215.3	152.4	.0	60.2	.0	.0	.0	832.0
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
49.16	.0	233.1	.0	124.2	92.8	.0	38.9	.0	.0	.0	489.0
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
49.72	.0	303.6	.0	161.7	121.8	.0	48.7	.0	.0	.0	635.8
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
49.90	.0	328.7	.0	175.1	129.4	.0	51.6	.0	.0	.0	684.9
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
50.32	.0	387.4	.0	206.4	147.3	.0	58.3	.0	.0	.0	799.3

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR48

DIFFUSION MODEL NODE NO. 48

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
48.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48.00	.0	69.4	.0	37.0	25.4	.0	11.7	.0	.0	.0	143.5
48.00	.0	214.5	.0	114.3	83.6	.0	35.9	.0	.0	.0	448.2
48.00	.0	274.2	.0	146.1	111.5	.0	45.1	.0	.0	.0	576.9
48.00	.0	342.7	.0	182.6	133.7	.0	53.2	.0	.0	.0	712.1
48.00	.0	404.1	.0	215.3	152.4	.0	60.2	.0	.0	.0	832.0
(10YEAR)											
49.16	.0	233.1	.0	124.2	92.8	.0	38.9	.0	.0	.0	489.0
(50 YEAR)											
49.72	.0	303.6	.0	161.7	121.8	.0	48.7	.0	.0	.0	635.8
(100 YEAR)											
49.90	.0	328.7	.0	175.1	129.4	.0	51.6	.0	.0	.0	684.9
(500 YEAR)											
50.32	.0	387.4	.0	206.4	147.3	.0	58.3	.0	.0	.0	799.3

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR51

DIFFUSION MODEL NODE NO. 51

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(2.6)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
33.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33.00	2.6	.0	.0	.0	36.1	.0	.0	.0	.0	.0	38.7
33.00	7.9	.0	.0	.0	119.0	.0	.0	.0	.0	.0	126.9
33.00	10.1	.0	.0	.0	158.6	.0	.0	.0	.0	.0	168.8
33.00	12.7	.0	.0	.0	190.2	.0	.0	.0	.0	.0	202.9
33.00	15.0	.0	.0	.0	216.9	.0	.0	.0	.0	.0	231.9
(10YEAR)											
33.26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
33.35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 33.29 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 33.66 *	6.5 *	.0 *	.0 *	.0 *	91.1 *	.0 *	.0 *	.0 *	.0 *	.0 *	97.6 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR51
DIFFUSION MODEL NODE NO. 51
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
33.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33.00	98.8	.0	.0	.0	36.1	.0	.0	.0	.0	.0	134.9
33.00	305.2	.0	.0	.0	119.0	.0	.0	.0	.0	.0	424.2
33.00	390.2	.0	.0	.0	158.6	.0	.0	.0	.0	.0	548.9
33.00	487.6	.0	.0	.0	190.2	.0	.0	.0	.0	.0	677.9
33.00	575.1	.0	.0	.0	216.9	.0	.0	.0	.0	.0	792.0
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
33.26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
33.35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
33.29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
33.66	248.7	.0	.0	.0	91.1	.0	.0	.0	.0	.0	339.8

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR52
DIFFUSION MODEL NODE NO. 52

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(2.6)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
35.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.00	2.6	.0	.0	.0	36.1	.0	.0	.0	.0	.0	38.7
35.00	7.9	.0	.0	.0	119.0	.0	.0	.0	.0	.0	126.9
35.00	10.1	.0	.0	.0	158.6	.0	.0	.0	.0	.0	168.8
35.00	12.7	.0	.0	.0	190.2	.0	.0	.0	.0	.0	202.9
35.00	15.0	.0	.0	.0	216.9	.0	.0	.0	.0	.0	231.9
(10YEAR)											
35.57	4.4	.0	.0	.0	61.4	.0	.0	.0	.0	.0	65.8
(50 YEAR)											
35.73	6.8	.0	.0	.0	96.9	.0	.0	.0	.0	.0	103.6
(100 YEAR)											
35.90	7.5	.0	.0	.0	110.8	.0	.0	.0	.0	.0	118.3
(500 YEAR)											
36.23	8.9	.0	.0	.0	137.8	.0	.0	.0	.0	.0	146.7

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR52
DIFFUSION MODEL NODE NO. 52
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
35.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.00	98.8	.0	.0	.0	36.1	.0	.0	.0	.0	.0	134.9
35.00	305.2	.0	.0	.0	119.0	.0	.0	.0	.0	.0	424.2
35.00	390.2	.0	.0	.0	158.6	.0	.0	.0	.0	.0	548.9
35.00	487.6	.0	.0	.0	190.2	.0	.0	.0	.0	.0	677.9
35.00	575.1	.0	.0	.0	216.9	.0	.0	.0	.0	.0	792.0
(10YEAR)											
35.57	168.0	.0	.0	.0	61.4	.0	.0	.0	.0	.0	229.4
(50 YEAR)											
35.73	260.3	.0	.0	.0	96.9	.0	.0	.0	.0	.0	357.2
(100 YEAR)											
35.90	288.6	.0	.0	.0	110.8	.0	.0	.0	.0	.0	399.4

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 36.23 *	343.4 *	.0 *	.0 *	.0 *	137.8 *	.0 *	.0 *	.0 *	.0 *	.0 *	481.2 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR53
DIFFUSION MODEL NODE NO. 53
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(100.0)	(100.0)	(1.4)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	.0	.0	1.4	.0	.0	29.2	.0	.0	.0	.0	30.6
37.00	.0	.0	4.4	.0	.0	161.1	.0	.0	.0	.0	165.5
37.00	.0	.0	5.7	.0	.0	286.5	.0	.0	.0	.0	292.2
37.00	.0	.0	7.1	.0	.0	408.7	.0	.0	.0	.0	415.8
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
37.90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
38.42	.0	.0	4.3	.0	.0	140.9	.0	.0	.0	.0	145.2
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
38.54	.0	.0	4.5	.0	.0	171.2	.0	.0	.0	.0	175.7
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
38.87	.0	.0	5.3	.0	.0	254.3	.0	.0	.0	.0	259.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR53

DIFFUSION MODEL NODE NO. 53

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	.0	.0	102.8	.0	.0	29.2	.0	.0	.0	.0	131.9
37.00	.0	.0	317.4	.0	.0	161.1	.0	.0	.0	.0	478.5
37.00	.0	.0	405.8	.0	.0	286.5	.0	.0	.0	.0	692.4
37.00	.0	.0	507.1	.0	.0	408.7	.0	.0	.0	.0	915.9
(10YEAR)											
37.90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
38.42	.0	.0	303.6	.0	.0	140.9	.0	.0	.0	.0	444.5
(100 YEAR)											
38.54	.0	.0	324.3	.0	.0	171.2	.0	.0	.0	.0	495.5
(500 YEAR)											
38.87	.0	.0	381.3	.0	.0	254.3	.0	.0	.0	.0	635.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR54

DIFFUSION MODEL NODE NO. 54

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(2.6)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
39.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39.00	2.6	.0	.0	.0	36.1	.0	.0	.0	.0	.0	38.7
39.00	7.9	.0	.0	.0	119.0	.0	.0	.0	.0	.0	126.9
39.00	10.1	.0	.0	.0	158.6	.0	.0	.0	.0	.0	168.8
39.00	12.7	.0	.0	.0	190.2	.0	.0	.0	.0	.0	202.9
39.00	15.0	.0	.0	.0	216.9	.0	.0	.0	.0	.0	231.9
(10YEAR)											
39.92	7.6	.0	.0	.0	112.4	.0	.0	.0	.0	.0	120.0
(50 YEAR)											
40.51	10.2	.0	.0	.0	159.3	.0	.0	.0	.0	.0	169.5

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 40.66 *	10.9 *	.0 *	.0 *	.0 *	169.6 *	.0 *	.0 *	.0 *	.0 *	.0 *	180.5 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 41.06 *	13.0 *	.0 *	.0 *	.0 *	193.9 *	.0 *	.0 *	.0 *	.0 *	.0 *	206.9 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR54
DIFFUSION MODEL NODE NO. 54
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
39.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39.00	98.8	.0	.0	.0	36.1	.0	.0	.0	.0	.0	134.9
39.00	305.2	.0	.0	.0	119.0	.0	.0	.0	.0	.0	424.2
39.00	390.2	.0	.0	.0	158.6	.0	.0	.0	.0	.0	548.9
39.00	487.6	.0	.0	.0	190.2	.0	.0	.0	.0	.0	677.9
39.00	575.1	.0	.0	.0	216.9	.0	.0	.0	.0	.0	792.0
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
39.92	291.9	.0	.0	.0	112.4	.0	.0	.0	.0	.0	404.3
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
40.51	392.1	.0	.0	.0	159.3	.0	.0	.0	.0	.0	551.4
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
40.66	420.1	.0	.0	.0	169.6	.0	.0	.0	.0	.0	589.7
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
41.06	499.6	.0	.0	.0	193.9	.0	.0	.0	.0	.0	693.5

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR55
DIFFUSION MODEL NODE NO. 55

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
43.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43.00	.0	104.6	.0	.0	38.2	.0	.0	.0	.0	.0	142.9
43.00	.0	323.1	.0	.0	126.0	.0	.0	.0	.0	.0	449.1
43.00	.0	413.1	.0	.0	168.0	.0	.0	.0	.0	.0	581.1
43.00	.0	516.3	.0	.0	201.4	.0	.0	.0	.0	.0	717.7
43.00	.0	608.9	.0	.0	229.7	.0	.0	.0	.0	.0	838.5
(10YEAR)											
43.21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
43.30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
43.38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
43.57	.0	177.8	.0	.0	65.0	.0	.0	.0	.0	.0	242.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR55
DIFFUSION MODEL NODE NO. 55
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
43.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43.00	.0	104.6	.0	.0	38.2	.0	.0	.0	.0	.0	142.9
43.00	.0	323.1	.0	.0	126.0	.0	.0	.0	.0	.0	449.1
43.00	.0	413.1	.0	.0	168.0	.0	.0	.0	.0	.0	581.1
43.00	.0	516.3	.0	.0	201.4	.0	.0	.0	.0	.0	717.7
43.00	.0	608.9	.0	.0	229.7	.0	.0	.0	.0	.0	838.5
(10YEAR)											
43.21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
43.30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
43.38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 43.57 *	.0 *	177.8 *	.0 *	.0 *	65.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	242.9 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR56
DIFFUSION MODEL NODE NO. 56
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(11.1)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
44.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
44.00	2.6	83.9	.0	62.9	39.1	.0	19.9	.0	.0	.0	208.4
[illegible].00	7.9	259.2	.0	194.2	128.9	.0	61.0	.0	.0	.0	651.3
[illegible].00	10.1	331.4	.0	248.4	171.9	.0	76.6	.0	.0	.0	838.5
44.00	12.7	414.2	.0	310.4	206.1	.0	90.4	.0	.0	.0	1033.8
44.00	15.0	488.4	.0	366.0	235.1	.0	102.3	.0	.0	.0	1206.8
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
44.46	1.5	50.4	.0	37.7	23.5	.0	11.9	.0	.0	.0	125.1
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
44.85	7.3	238.0	.0	178.4	115.6	.0	56.2	.0	.0	.0	595.5
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
45.08	8.3	270.5	.0	202.7	136.0	.0	63.5	.0	.0	.0	681.0
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
45.47	10.0	326.7	.0	244.8	169.7	.0	75.8	.0	.0	.0	827.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR56

DIFFUSION MODEL NODE NO. 56

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
44.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
44.00	23.1	83.9	.0	62.9	39.1	.0	19.9	.0	.0	.0	229.0
44.00	71.5	259.2	.0	194.2	128.9	.0	61.0	.0	.0	.0	714.8
44.00	91.4	331.4	.0	248.4	171.9	.0	76.6	.0	.0	.0	919.7
44.00	114.2	414.2	.0	310.4	206.1	.0	90.4	.0	.0	.0	1135.3
44.00	134.7	488.4	.0	366.0	235.1	.0	102.3	.0	.0	.0	1326.5
(10YEAR)											
44.46	13.9	50.4	.0	37.7	23.5	.0	11.9	.0	.0	.0	137.4
(50 YEAR)											
44.85	65.6	238.0	.0	178.4	115.6	.0	56.2	.0	.0	.0	653.9
(100 YEAR)											
45.08	74.6	270.5	.0	202.7	136.0	.0	63.5	.0	.0	.0	747.3
(500 YEAR)											
45.47	90.1	326.7	.0	244.8	169.7	.0	75.8	.0	.0	.0	907.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR58

DIFFUSION MODEL NODE NO. 58

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (1.4)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
27.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27.00	.0	.0	1.4	.0	.0	29.2	.0	.0	.0	.0	30.6
27.00	.0	.0	4.4	.0	.0	161.1	.0	.0	.0	.0	165.5
27.00	.0	.0	5.7	.0	.0	286.5	.0	.0	.0	.0	292.2
27.00	.0	.0	7.1	.0	.0	408.7	.0	.0	.0	.0	415.8
(10YEAR)											
27.51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
27.73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 27.78 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 28.33 *	.0 *	.0 *	4.0 *	.0 *	.0 *	118.2 *	.0 *	.0 *	.0 *	.0 *	122.3 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR58
DIFFUSION MODEL NODE NO. 58
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
27.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27.00	.0	.0	102.8	.0	.0	29.2	.0	.0	.0	.0	131.9
27.00	.0	.0	317.4	.0	.0	161.1	.0	.0	.0	.0	478.5
27.00	.0	.0	405.8	.0	.0	286.5	.0	.0	.0	.0	692.4
27.00	.0	.0	507.1	.0	.0	408.7	.0	.0	.0	.0	915.9
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
27.51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
27.73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
27.78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
28.33	.0	.0	288.0	.0	.0	118.2	.0	.0	.0	.0	406.3

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR59
DIFFUSION MODEL NODE NO. 59

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (2.1)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
30.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.00	2.6	.0	.0	.0	44.7	.0	.0	.0	.0	.0	47.3
30.00	7.9	.0	.0	.0	147.3	.0	.0	.0	.0	.0	155.2
30.00	10.1	.0	.0	.0	196.4	.0	.0	.0	.0	.0	206.6
30.00	12.7	.0	.0	.0	235.5	.0	.0	.0	.0	.0	248.2
30.00	15.0	.0	.0	.0	268.6	.0	.0	.0	.0	.0	283.5
(10YEAR)											
30.69	6.6	.0	.0	.0	115.9	.0	.0	.0	.0	.0	122.5
(50 YEAR)											
30.94	7.7	.0	.0	.0	141.2	.0	.0	.0	.0	.0	148.9
(100 YEAR)											
31.14	8.5	.0	.0	.0	161.5	.0	.0	.0	.0	.0	170.0
(500 YEAR)											
31.42	9.8	.0	.0	.0	189.6	.0	.0	.0	.0	.0	199.3

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR59
DIFFUSION MODEL NODE NO. 59
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
30.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.00	122.3	.0	.0	.0	44.7	.0	.0	.0	.0	.0	167.1
30.00	377.9	.0	.0	.0	147.3	.0	.0	.0	.0	.0	525.2
30.00	483.1	.0	.0	.0	196.4	.0	.0	.0	.0	.0	679.6
30.00	603.8	.0	.0	.0	235.5	.0	.0	.0	.0	.0	839.3
30.00	712.0	.0	.0	.0	268.6	.0	.0	.0	.0	.0	980.6
(10YEAR)											
30.69	314.1	.0	.0	.0	115.9	.0	.0	.0	.0	.0	430.0
(50 YEAR)											
30.94	365.5	.0	.0	.0	141.2	.0	.0	.0	.0	.0	506.7
(100 YEAR)											
31.14	406.7	.0	.0	.0	161.5	.0	.0	.0	.0	.0	568.2

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 31.42 *	464.7 *	.0 *	.0 *	.0 *	189.6 *	.0 *	.0 *	.0 *	.0 *	.0 *	654.3 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR60
DIFFUSION MODEL NODE NO. 60
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(2.2)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
32.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
32.00	2.6	.0	.0	.0	42.7	.0	.0	.0	.0	.0	45.3
32.00	7.9	.0	.0	.0	140.6	.0	.0	.0	.0	.0	148.5
32.00	10.1	.0	.0	.0	187.5	.0	.0	.0	.0	.0	197.6
32.00	12.7	.0	.0	.0	224.8	.0	.0	.0	.0	.0	237.5
32.00	15.0	.0	.0	.0	256.4	.0	.0	.0	.0	.0	271.3
(10YEAR)											
33.01	8.0	.0	.0	.0	141.6	.0	.0	.0	.0	.0	149.6
(50 YEAR)											
33.48	10.0	.0	.0	.0	185.9	.0	.0	.0	.0	.0	195.9
(100 YEAR)											
33.70	11.1	.0	.0	.0	203.3	.0	.0	.0	.0	.0	214.5
(500 YEAR)											
34.00	12.7	.0	.0	.0	224.8	.0	.0	.0	.0	.0	237.5

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR60

DIFFUSION MODEL NODE NO. 60
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
32.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
32.00	116.8	.0	.0	.0	42.7	.0	.0	.0	.0	.0	159.5
32.00	360.7	.0	.0	.0	140.6	.0	.0	.0	.0	.0	501.3
32.00	461.2	.0	.0	.0	187.5	.0	.0	.0	.0	.0	648.7
32.00	576.3	.0	.0	.0	224.8	.0	.0	.0	.0	.0	801.1
32.00	679.7	.0	.0	.0	256.4	.0	.0	.0	.0	.0	936.0
(10YEAR)											
33.01	362.6	.0	.0	.0	141.6	.0	.0	.0	.0	.0	504.2
(50 YEAR)											
33.48	456.8	.0	.0	.0	185.9	.0	.0	.0	.0	.0	642.6
(100 YEAR)											
33.70	505.8	.0	.0	.0	203.3	.0	.0	.0	.0	.0	709.2
(500 YEAR)											
34.00	576.3	.0	.0	.0	224.8	.0	.0	.0	.0	.0	801.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR61
DIFFUSION MODEL NODE NO. 61
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(6.7)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
35.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.00	2.6	41.1	.0	.0	29.0	.0	.0	.0	.0	.0	72.7
35.00	7.9	127.0	.0	.0	95.7	.0	.0	.0	.0	.0	230.6
35.00	10.1	162.3	.0	.0	127.6	.0	.0	.0	.0	.0	300.0
35.00	12.7	202.9	.0	.0	153.0	.0	.0	.0	.0	.0	368.5
35.00	15.0	239.2	.0	.0	174.4	.0	.0	.0	.0	.0	428.6
(10YEAR)											
35.73	6.8	108.3	.0	.0	77.9	.0	.0	.0	.0	.0	192.9
(50 YEAR)											
35.99	7.9	126.3	.0	.0	95.0	.0	.0	.0	.0	.0	229.2

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 36.13 *	8.5 *	135.9 *	.0 *	.0 *	104.2 *	.0 *	.0 *	.0 *	.0 *	.0 *	248.7 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 36.40 *	9.7 *	154.6 *	.0 *	.0 *	122.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	286.3 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR61
DIFFUSION MODEL NODE NO. 61
(Damages are in $1,000)

Damage Categories

* Elevation*	SF *	MF *	MH *	COMM *	RESCON *	MHCON *	COMCON *	OTHER *	*	*	Total *
* 35.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 35.00 *	38.3 *	41.1 *	.0 *	.0 *	29.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	108.5 *
* 35.00 *	118.4 *	127.0 *	.0 *	.0 *	95.7 *	.0 *	.0 *	.0 *	.0 *	.0 *	341.1 *
* 35.00 *	151.4 *	162.3 *	.0 *	.0 *	127.6 *	.0 *	.0 *	.0 *	.0 *	.0 *	441.3 *
* 35.00 *	189.2 *	202.9 *	.0 *	.0 *	153.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	545.1 *
* 35.00 *	223.2 *	239.2 *	.0 *	.0 *	174.4 *	.0 *	.0 *	.0 *	.0 *	.0 *	636.8 *
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 35.73 *	101.0 *	108.3 *	.0 *	.0 *	77.9 *	.0 *	.0 *	.0 *	.0 *	.0 *	287.2 *
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 35.99 *	117.8 *	126.3 *	.0 *	.0 *	95.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	339.1 *
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 36.13 *	126.8 *	135.9 *	.0 *	.0 *	104.2 *	.0 *	.0 *	.0 *	.0 *	.0 *	367.0 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 36.40 *	144.2 *	154.6 *	.0 *	.0 *	122.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	420.8 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR62
DIFFUSION MODEL NODE NO. 62

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (1.7)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
39.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39.00	2.6	.0	.0	.0	55.2	.0	.0	.0	.0	.0	57.8
39.00	7.9	.0	.0	.0	182.0	.0	.0	.0	.0	.0	189.9
39.00	10.1	.0	.0	.0	242.6	.0	.0	.0	.0	.0	252.8
39.00	12.7	.0	.0	.0	291.0	.0	.0	.0	.0	.0	303.6
39.00	15.0	.0	.0	.0	331.8	.0	.0	.0	.0	.0	346.7
(10YEAR)											
39.28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
39.39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
39.43	.8	.0	.0	.0	16.6	.0	.0	.0	.0	.0	17.3
(500 YEAR)											
39.65	6.4	.0	.0	.0	138.1	.0	.0	.0	.0	.0	144.5

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR62
DIFFUSION MODEL NODE NO. 62
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
39.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39.00	151.1	.0	.0	.0	55.2	.0	.0	.0	.0	.0	206.4
39.00	466.8	.0	.0	.0	182.0	.0	.0	.0	.0	.0	648.7
39.00	596.8	.0	.0	.0	242.6	.0	.0	.0	.0	.0	839.5
39.00	745.8	.0	.0	.0	291.0	.0	.0	.0	.0	.0	1036.8
39.00	879.6	.0	.0	.0	331.8	.0	.0	.0	.0	.0	1211.3
(10YEAR)											
39.28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
39.39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
39.43	45.3	.0	.0	.0	16.6	.0	.0	.0	.0	.0	61.9

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 39.65 *	377.8 *	.0 *	.0 *	.0 *	138.1 *	.0 *	.0 *	.0 *	.0 *	.0 *	515.9 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR63
DIFFUSION MODEL NODE NO. 63
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
40.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.00	.0	138.8	.0	.0	50.8	.0	.0	.0	.0	.0	189.6
40.00	.0	428.8	.0	.0	167.2	.0	.0	.0	.0	.0	596.0
40.00	.0	548.3	.0	.0	222.9	.0	.0	.0	.0	.0	771.2
40.00	.0	685.2	.0	.0	267.3	.0	.0	.0	.0	.0	952.5
40.00	.0	808.0	.0	.0	304.8	.0	.0	.0	.0	.0	1112.8
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
40.41	.0	13.9	.0	.0	5.1	.0	.0	.0	.0	.0	19.0
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
40.76	.0	372.8	.0	.0	139.5	.0	.0	.0	.0	.0	512.3
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
40.86	.0	396.1	.0	.0	151.1	.0	.0	.0	.0	.0	547.2
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
41.19	.0	473.2	.0	.0	189.0	.0	.0	.0	.0	.0	662.2

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR63

DIFFUSION MODEL NODE NO. 63
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
40.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.00	.0	138.8	.0	.0	50.8	.0	.0	.0	.0	.0	189.6
40.00	.0	428.8	.0	.0	167.2	.0	.0	.0	.0	.0	596.0
40.00	.0	548.3	.0	.0	222.9	.0	.0	.0	.0	.0	771.2
40.00	.0	685.2	.0	.0	267.3	.0	.0	.0	.0	.0	952.5
40.00	.0	808.0	.0	.0	304.8	.0	.0	.0	.0	.0	1112.8
(10YEAR)											
40.41	.0	13.9	.0	.0	5.1	.0	.0	.0	.0	.0	19.0
(50 YEAR)											
40.76	.0	372.8	.0	.0	139.5	.0	.0	.0	.0	.0	512.3
(100 YEAR)											
40.86	.0	396.1	.0	.0	151.1	.0	.0	.0	.0	.0	547.2
(500 YEAR)											
41.19	.0	473.2	.0	.0	189.0	.0	.0	.0	.0	.0	662.2

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR64
DIFFUSION MODEL NODE NO. 64
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(33.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
41.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41.00	2.6	54.3	.0	26.1	22.7	.0	8.3	.0	.0	.0	114.0
41.00	7.9	167.8	.0	80.6	74.8	.0	25.3	.0	.0	.0	356.4
41.00	10.1	214.6	.0	103.1	99.7	.0	31.8	.0	.0	.0	459.3
41.00	12.7	268.1	.0	128.8	119.6	.0	37.5	.0	.0	.0	566.7
41.00	15.0	316.2	.0	151.9	136.4	.0	42.5	.0	.0	.0	661.9
(10YEAR)											
41.82	7.2	151.4	.0	72.7	65.5	.0	22.9	.0	.0	.0	319.7
(50 YEAR)											
42.31	9.3	196.1	.0	94.2	90.7	.0	29.4	.0	.0	.0	419.8

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 42.57 *	10.5 *	221.7 *	.0 *	106.5 *	102.8 *	.0 *	32.6 *	.0 *	.0 *	.0 *	474.1 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 43.00 *	12.7 *	268.1 *	.0 *	128.8 *	119.6 *	.0 *	37.5 *	.0 *	.0 *	.0 *	566.7 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR64
DIFFUSION MODEL NODE NO. 64
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
41.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41.00	7.8	54.3	.0	26.1	22.7	.0	8.3	.0	.0	.0	119.2
41.00	24.0	167.8	.0	80.6	74.8	.0	25.3	.0	.0	.0	372.6
41.00	30.7	214.6	.0	103.1	99.7	.0	31.8	.0	.0	.0	479.9
41.00	38.4	268.1	.0	128.8	119.6	.0	37.5	.0	.0	.0	592.5
41.00	45.3	316.2	.0	151.9	136.4	.0	42.5	.0	.0	.0	692.2
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
41.82	21.7	151.4	.0	72.7	65.5	.0	22.9	.0	.0	.0	334.2
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
42.31	28.1	196.1	.0	94.2	90.7	.0	29.4	.0	.0	.0	438.6
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
42.57	31.8	221.7	.0	106.5	102.8	.0	32.6	.0	.0	.0	495.4
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
43.00	38.4	268.1	.0	128.8	119.6	.0	37.5	.0	.0	.0	592.5

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR65
DIFFUSION MODEL NODE NO. 65

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(16.7)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
23.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23.00	2.6	27.1	.0	24.4	15.5	.0	8.9	.0	.0	.0	78.5
23.00	7.9	83.7	.0	75.2	51.1	.0	29.3	.0	.0	.0	247.3
23.00	10.1	107.0	.0	96.2	68.2	.0	39.1	.0	.0	.0	320.6
23.00	12.7	133.7	.0	120.2	81.8	.0	46.9	.0	.0	.0	395.3
23.00	15.0	157.7	.0	141.7	93.3	.0	53.5	.0	.0	.0	461.1
(10YEAR)											
23.05	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
23.07	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
23.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
23.14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR65
DIFFUSION MODEL NODE NO. 65
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
23.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23.00	15.4	27.1	.0	24.4	15.5	.0	8.9	.0	.0	.0	91.3
23.00	47.5	83.7	.0	75.2	51.1	.0	29.3	.0	.0	.0	286.9
23.00	60.8	107.0	.0	96.2	68.2	.0	39.1	.0	.0	.0	371.2
23.00	75.9	133.7	.0	120.2	81.8	.0	46.9	.0	.0	.0	458.5
23.00	89.5	157.7	.0	141.7	93.3	.0	53.5	.0	.0	.0	535.7
(10YEAR)											
23.05	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
23.07	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
23.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 23.14 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR66
DIFFUSION MODEL NODE NO. 66
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(50.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
25.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.00	2.6	86.0	.0	.0	33.3	.0	.0	.0	.0	.0	121.9
25.00	7.9	265.6	.0	.0	109.7	.0	.0	.0	.0	.0	383.2
25.00	10.1	339.5	.0	.0	146.3	.0	.0	.0	.0	.0	496.0
25.00	12.7	424.3	.0	.0	175.4	.0	.0	.0	.0	.0	612.4
25.00	15.0	500.4	.0	.0	200.0	.0	.0	.0	.0	.0	715.4
(10YEAR)											
26.34	9.4	314.7	.0	.0	135.4	.0	.0	.0	.0	.0	459.5
(50 YEAR)											
26.93	12.3	412.2	.0	.0	171.5	.0	.0	.0	.0	.0	596.0
(100 YEAR)											
27.21	13.8	460.6	.0	.0	187.2	.0	.0	.0	.0	.0	661.6
(500 YEAR)											
27.73	15.3	510.8	.0	.0	203.4	.0	.0	.0	.0	.0	729.4

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR66

DIFFUSION MODEL NODE NO. 66

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
25.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.00	5.1	86.0	.0	.0	33.3	.0	.0	.0	.0	.0	124.4
25.00	15.9	265.6	.0	.0	109.7	.0	.0	.0	.0	.0	391.1
25.00	20.3	339.5	.0	.0	146.3	.0	.0	.0	.0	.0	506.1
25.00	25.4	424.3	.0	.0	175.4	.0	.0	.0	.0	.0	625.1
25.00	29.9	500.4	.0	.0	200.0	.0	.0	.0	.0	.0	730.4
(10YEAR)											
26.34	18.8	314.7	.0	.0	135.4	.0	.0	.0	.0	.0	468.9
(50 YEAR)											
26.93	24.6	412.2	.0	.0	171.5	.0	.0	.0	.0	.0	608.4
(100 YEAR)											
27.21	27.5	460.6	.0	.0	187.2	.0	.0	.0	.0	.0	675.3
(500 YEAR)											
27.73	30.5	510.8	.0	.0	203.4	.0	.0	.0	.0	.0	744.7

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR67

DIFFUSION MODEL NODE NO. 67

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(11.1)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
28.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28.00	2.6	96.8	.0	.0	43.9	.0	.0	.0	.0	.0	143.3
28.00	7.9	299.1	.0	.0	144.5	.0	.0	.0	.0	.0	451.5
28.00	10.1	382.4	.0	.0	192.6	.0	.0	.0	.0	.0	585.2
28.00	12.7	477.9	.0	.0	231.0	.0	.0	.0	.0	.0	721.6
28.00	15.0	563.6	.0	.0	263.4	.0	.0	.0	.0	.0	842.0
(10YEAR)											
28.86	7.3	276.3	.0	.0	130.5	.0	.0	.0	.0	.0	414.2
(50 YEAR)											
29.19	8.8	330.0	.0	.0	163.4	.0	.0	.0	.0	.0	502.2

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 29.37 *	9.5 *	359.3 *	.0 *	.0 *	181.3 *	.0 *	.0 *	.0 *	.0 *	.0 *	550.1 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 29.62 *	10.7 *	404.3 *	.0 *	.0 *	202.7 *	.0 *	.0 *	.0 *	.0 *	.0 *	617.7 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR67
DIFFUSION MODEL NODE NO. 67
(Damages are in $1,000)

Damage Categories

* Elevation*	SF *	MF *	MH *	COMM *	RESCON *	MHCON *	COMCON *	OTHER *	*	*	Total *
* 28.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 28.00 *	23.1 *	96.8 *	.0 *	.0 *	43.9 *	.0 *	.0 *	.0 *	.0 *	.0 *	163.9 *
* 28.00 *	71.5 *	299.1 *	.0 *	.0 *	144.5 *	.0 *	.0 *	.0 *	.0 *	.0 *	515.0 *
* 28.00 *	91.4 *	382.4 *	.0 *	.0 *	192.6 *	.0 *	.0 *	.0 *	.0 *	.0 *	666.5 *
* 28.00 *	114.2 *	477.9 *	.0 *	.0 *	231.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	823.1 *
* 28.00 *	134.7 *	563.6 *	.0 *	.0 *	263.4 *	.0 *	.0 *	.0 *	.0 *	.0 *	961.7 *
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 28.86 *	66.0 *	276.3 *	.0 *	.0 *	130.5 *	.0 *	.0 *	.0 *	.0 *	.0 *	472.9 *
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 29.19 *	78.9 *	330.0 *	.0 *	.0 *	163.4 *	.0 *	.0 *	.0 *	.0 *	.0 *	572.3 *
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 29.37 *	85.9 *	359.3 *	.0 *	.0 *	181.3 *	.0 *	.0 *	.0 *	.0 *	.0 *	626.5 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 29.62 *	96.6 *	404.3 *	.0 *	.0 *	202.7 *	.0 *	.0 *	.0 *	.0 *	.0 *	703.6 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR68
DIFFUSION MODEL NODE NO. 68

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (5.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
31.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31.00	.0	68.5	.0	.0	25.0	.0	.0	.0	.0	.0	93.6
31.00	.0	211.6	1.4	.0	82.5	8.2	.0	.0	.0	.0	303.7
31.00	.0	270.6	4.4	.0	110.0	45.1	.0	.0	.0	.0	430.1
31.00	.0	338.1	5.7	.0	131.9	80.2	.0	.0	.0	.0	555.9
31.00	.0	398.7	7.1	.0	150.4	114.4	.0	.0	.0	.0	670.7
(10YEAR)											
31.65	.0	171.3	.0	.0	62.6	.0	.0	.0	.0	.0	233.9
(50 YEAR)											
31.92	.0	202.4	.3	.0	77.9	1.6	.0	.0	.0	.0	282.2
(100 YEAR)											
32.16	.0	230.0	3.6	.0	91.6	21.1	.0	.0	.0	.0	346.3
(500 YEAR)											
32.43	.0	261.5	4.3	.0	106.6	40.2	.0	.0	.0	.0	412.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR68
DIFFUSION MODEL NODE NO. 68
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
31.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31.00	.0	68.5	.0	.0	25.0	.0	.0	.0	.0	.0	93.6
31.00	.0	211.6	28.8	.0	82.5	8.2	.0	.0	.0	.0	331.0
31.00	.0	270.6	88.9	.0	110.0	45.1	.0	.0	.0	.0	514.5
31.00	.0	338.1	113.6	.0	131.9	80.2	.0	.0	.0	.0	663.9
31.00	.0	398.7	142.0	.0	150.4	114.4	.0	.0	.0	.0	805.6
(10YEAR)											
31.65	.0	171.3	.0	.0	62.6	.0	.0	.0	.0	.0	233.9
(50 YEAR)											
31.92	.0	202.4	5.8	.0	77.9	1.6	.0	.0	.0	.0	287.7
(100 YEAR)											
32.16	.0	230.0	72.4	.0	91.6	21.1	.0	.0	.0	.0	415.1

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 32.43 *	.0 *	261.5 *	85.5 *	.0 *	106.6 *	40.2 *	.0 *	.0 *	.0 *	.0 *	493.8 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR69
DIFFUSION MODEL NODE NO. 69
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
34.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34.00	.0	164.4	.0	.0	60.1	.0	.0	.0	.0	.0	224.5
34.00	.0	507.8	.0	.0	198.0	.0	.0	.0	.0	.0	705.8
34.00	.0	649.3	.0	.0	264.0	.0	.0	.0	.0	.0	913.3
34.00	.0	811.4	.0	.0	316.6	.0	.0	.0	.0	.0	1128.0
34.00	.0	957.0	.0	.0	361.0	.0	.0	.0	.0	.0	1317.9
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
34.38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
34.57	.0	279.5	.0	.0	102.2	.0	.0	.0	.0	.0	381.7
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
34.64	.0	394.6	.0	.0	144.3	.0	.0	.0	.0	.0	538.9
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
34.82	.0	458.1	.0	.0	173.4	.0	.0	.0	.0	.0	631.5

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR69

DIFFUSION MODEL NODE NO. 69

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
34.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34.00	.0	164.4	.0	.0	60.1	.0	.0	.0	.0	.0	224.5
34.00	.0	507.8	.0	.0	198.0	.0	.0	.0	.0	.0	705.8
34.00	.0	649.3	.0	.0	264.0	.0	.0	.0	.0	.0	913.3
34.00	.0	811.4	.0	.0	316.6	.0	.0	.0	.0	.0	1128.0
34.00	.0	957.0	.0	.0	361.0	.0	.0	.0	.0	.0	1317.9
(10YEAR)											
34.38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
34.57	.0	279.5	.0	.0	102.2	.0	.0	.0	.0	.0	381.7
(100 YEAR)											
34.64	.0	394.6	.0	.0	144.3	.0	.0	.0	.0	.0	538.9
(500 YEAR)											
34.82	.0	458.1	.0	.0	173.4	.0	.0	.0	.0	.0	631.5

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR70

DIFFUSION MODEL NODE NO. 70

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(5.9)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
36.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
36.00	2.6	.0	.0	89.4	15.9	.0	28.3	.0	.0	.0	136.2
36.00	7.9	.0	.0	276.1	52.4	.0	86.7	.0	.0	.0	423.2
36.00	10.1	.0	.0	353.1	69.9	.0	108.9	.0	.0	.0	542.1
36.00	12.7	.0	.0	441.2	83.8	.0	128.5	.0	.0	.0	666.3
36.00	15.0	.0	.0	520.3	95.6	.0	145.4	.0	.0	.0	776.3
(10YEAR)											
36.41	.3	.0	.0	8.9	1.6	.0	2.8	.0	.0	.0	13.6
(50 YEAR)											
36.56	4.1	.0	.0	143.1	25.5	.0	45.3	.0	.0	.0	217.9

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 36.73 *	6.8 *	.0 *	.0 *	235.5 *	42.7 *	.0 *	74.4 *	.0 *	.0 *	.0 *	359.4 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 36.87 *	7.4 *	.0 *	.0 *	256.6 *	47.7 *	.0 *	80.8 *	.0 *	.0 *	.0 *	392.5 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR70
DIFFUSION MODEL NODE NO. 70
(Damages are in $1,000)

Damage Categories

* Elevation*	SF *	MF *	MH *	COMM *	RESCON *	MHCON *	COMCON *	OTHER *	*	*	Total *
* 36.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 36.00 *	43.5 *	.0 *	.0 *	89.4 *	15.9 *	.0 *	28.3 *	.0 *	.0 *	.0 *	177.2 *
* 36.00 *	134.5 *	.0 *	.0 *	276.1 *	52.4 *	.0 *	86.7 *	.0 *	.0 *	.0 *	549.7 *
* 36.00 *	172.0 *	.0 *	.0 *	353.1 *	69.9 *	.0 *	108.9 *	.0 *	.0 *	.0 *	703.9 *
* 36.00 *	214.9 *	.0 *	.0 *	441.2 *	83.8 *	.0 *	128.5 *	.0 *	.0 *	.0 *	868.5 *
* 36.00 *	253.4 *	.0 *	.0 *	520.3 *	95.6 *	.0 *	145.4 *	.0 *	.0 *	.0 *	1014.8 *
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 36.41 *	4.4 *	.0 *	.0 *	8.9 *	1.6 *	.0 *	2.8 *	.0 *	.0 *	.0 *	17.7 *
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 36.56 *	69.7 *	.0 *	.0 *	143.1 *	25.5 *	.0 *	45.3 *	.0 *	.0 *	.0 *	283.5 *
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 36.73 *	114.7 *	.0 *	.0 *	235.5 *	42.7 *	.0 *	74.4 *	.0 *	.0 *	.0 *	467.4 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 36.87 *	125.0 *	.0 *	.0 *	256.6 *	47.7 *	.0 *	80.8 *	.0 *	.0 *	.0 *	510.1 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR71
DIFFUSION MODEL NODE NO. 71

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(25.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	2.6	101.2	.0	.0	40.7	.0	.0	.0	.0	.0	144.5
37.00	7.9	312.5	.0	.0	134.2	.0	.0	.0	.0	.0	454.7
37.00	10.1	399.6	.0	.0	179.0	.0	.0	.0	.0	.0	588.7
37.00	12.7	499.4	.0	.0	214.6	.0	.0	.0	.0	.0	726.7
37.00	15.0	588.9	.0	.0	244.7	.0	.0	.0	.0	.0	848.6
(10YEAR)											
37.61	5.4	212.5	.0	.0	85.6	.0	.0	.0	.0	.0	303.5
(50 YEAR)											
38.04	8.1	319.3	.0	.0	137.9	.0	.0	.0	.0	.0	465.4
(100 YEAR)											
38.21	8.8	348.3	.0	.0	153.6	.0	.0	.0	.0	.0	510.7
(500 YEAR)											
38.39	9.6	378.9	.0	.0	170.2	.0	.0	.0	.0	.0	558.8

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR71
DIFFUSION MODEL NODE NO. 71
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	10.3	101.2	.0	.0	40.7	.0	.0	.0	.0	.0	152.2
37.00	31.7	312.5	.0	.0	134.2	.0	.0	.0	.0	.0	478.5
37.00	40.6	399.6	.0	.0	179.0	.0	.0	.0	.0	.0	619.2
37.00	50.7	499.4	.0	.0	214.6	.0	.0	.0	.0	.0	764.7
37.00	59.8	588.9	.0	.0	244.7	.0	.0	.0	.0	.0	893.4
(10YEAR)											
37.61	21.6	212.5	.0	.0	85.6	.0	.0	.0	.0	.0	319.7
(50 YEAR)											
38.04	32.4	319.3	.0	.0	137.9	.0	.0	.0	.0	.0	489.7
(100 YEAR)											
38.21	35.4	348.3	.0	.0	153.6	.0	.0	.0	.0	.0	537.2

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 38.39 *	38.5 *	378.9 *	.0 *	.0 *	170.2 *	.0 *	.0 *	.0 *	.0 *	.0 *	587.6 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR72
DIFFUSION MODEL NODE NO. 72
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(33.3)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
39.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39.00	2.6	30.8	.0	63.2	14.1	.0	20.0	.0	.0	.0	130.7
39.00	7.9	95.2	.0	195.2	46.4	.0	61.3	.0	.0	.0	406.0
39.00	10.1	121.8	.0	249.6	61.9	.0	77.0	.0	.0	.0	520.4
39.00	12.7	152.1	.0	311.9	74.2	.0	90.9	.0	.0	.0	641.8
39.00	15.0	179.4	.0	367.8	84.6	.0	102.8	.0	.0	.0	749.6
(10YEAR)											
39.37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
39.59	4.9	58.6	.0	120.1	26.8	.0	38.0	.0	.0	.0	248.3
(100 YEAR)											
39.65	6.4	77.1	.0	158.0	35.2	.0	50.0	.0	.0	.0	326.8
(500 YEAR)											
39.84	7.2	86.9	.0	178.2	41.3	.0	56.1	.0	.0	.0	369.8

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR72

DIFFUSION MODEL NODE NO. 72

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
39.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39.00	7.7	30.8	.0	63.2	14.1	.0	20.0	.0	.0	.0	135.8
39.00	23.8	95.2	.0	195.2	46.4	.0	61.3	.0	.0	.0	421.9
39.00	30.5	121.8	.0	249.6	61.9	.0	77.0	.0	.0	.0	540.7
39.00	38.1	152.1	.0	311.9	74.2	.0	90.9	.0	.0	.0	667.2
39.00	44.9	179.4	.0	367.8	84.6	.0	102.8	.0	.0	.0	779.6
(10YEAR)											
39.37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
39.59	14.7	58.6	.0	120.1	26.8	.0	38.0	.0	.0	.0	258.1
(100 YEAR)											
39.65	19.3	77.1	.0	158.0	35.2	.0	50.0	.0	.0	.0	339.6
(500 YEAR)											
39.84	21.8	86.9	.0	178.2	41.3	.0	56.1	.0	.0	.0	384.3

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR73

DIFFUSION MODEL NODE NO. 73

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
22.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22.00	.0	36.1	.0	32.5	13.2	.0	11.9	.0	.0	.0	93.7
22.00	.0	111.5	.0	100.4	43.5	.0	39.1	.0	.0	.0	294.5
22.00	.0	142.6	.0	128.4	58.0	.0	52.2	.0	.0	.0	381.1
22.00	.0	178.2	.0	160.4	69.5	.0	62.6	.0	.0	.0	470.7
22.00	.0	210.1	.0	189.2	79.3	.0	71.4	.0	.0	.0	550.0
(10YEAR)											
22.04	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
22.07	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 22.08 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 22.11 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR73
DIFFUSION MODEL NODE NO. 73
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
22.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22.00	.0	36.1	.0	32.5	13.2	.0	11.9	.0	.0	.0	93.7
22.00	.0	111.5	.0	100.4	43.5	.0	39.1	.0	.0	.0	294.5
22.00	.0	142.6	.0	128.4	58.0	.0	52.2	.0	.0	.0	381.1
22.00	.0	178.2	.0	160.4	69.5	.0	62.6	.0	.0	.0	470.7
22.00	.0	210.1	.0	189.2	79.3	.0	71.4	.0	.0	.0	550.0
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
22.04	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
22.07	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
22.08	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
22.11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR74
DIFFUSION MODEL NODE NO. 74

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(4.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
25.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.00	2.6	.0	.0	.0	23.5	.0	.0	.0	.0	.0	26.0
25.00	7.9	.0	.0	.0	77.3	.0	.0	.0	.0	.0	85.3
25.00	10.1	.0	.0	.0	103.1	.0	.0	.0	.0	.0	113.3
25.00	12.7	.0	.0	.0	123.7	.0	.0	.0	.0	.0	136.3
25.00	15.0	.0	.0	.0	141.0	.0	.0	.0	.0	.0	156.0
(10YEAR)											
25.92	7.6	.0	.0	.0	73.1	.0	.0	.0	.0	.0	80.7
(50 YEAR)											
26.51	10.2	.0	.0	.0	103.6	.0	.0	.0	.0	.0	113.8
(100 YEAR)											
26.76	11.4	.0	.0	.0	114.2	.0	.0	.0	.0	.0	125.6
(500 YEAR)											
27.22	13.8	.0	.0	.0	132.3	.0	.0	.0	.0	.0	146.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR74
DIFFUSION MODEL NODE NO. 74
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
25.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.00	64.2	.0	.0	.0	23.5	.0	.0	.0	.0	.0	87.7
25.00	198.4	.0	.0	.0	77.3	.0	.0	.0	.0	.0	275.7
25.00	253.6	.0	.0	.0	103.1	.0	.0	.0	.0	.0	356.8
25.00	317.0	.0	.0	.0	123.7	.0	.0	.0	.0	.0	440.6
25.00	373.8	.0	.0	.0	141.0	.0	.0	.0	.0	.0	514.8
(10YEAR)											
25.92	189.7	.0	.0	.0	73.1	.0	.0	.0	.0	.0	262.8
(50 YEAR)											
26.51	254.9	.0	.0	.0	103.6	.0	.0	.0	.0	.0	358.4
(100 YEAR)											
26.76	286.0	.0	.0	.0	114.2	.0	.0	.0	.0	.0	400.2

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 27.22 *	345.4 *	.0 *	.0 *	.0 *	132.3 *	.0 *	.0 *	.0 *	.0 *	.0 *	477.7 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR75
DIFFUSION MODEL NODE NO. 75
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(5.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
28.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28.00	2.6	36.1	.0	.0	32.0	.0	.0	.0	.0	.0	70.7
28.00	7.9	111.5	.0	.0	105.3	.0	.0	.0	.0	.0	224.8
28.00	10.1	142.6	.0	.0	140.5	.0	.0	.0	.0	.0	293.2
28.00	12.7	178.2	.0	.0	168.4	.0	.0	.0	.0	.0	359.3
28.00	15.0	210.1	.0	.0	192.1	.0	.0	.0	.0	.0	417.2
(10YEAR)											
28.36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
28.58	4.6	65.0	.0	.0	57.6	.0	.0	.0	.0	.0	127.2
(100 YEAR)											
28.76	6.9	96.9	.0	.0	87.9	.0	.0	.0	.0	.0	191.8
(500 YEAR)											
29.03	8.1	113.3	.0	.0	107.5	.0	.0	.0	.0	.0	228.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR75

DIFFUSION MODEL NODE NO. 75

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
28.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28.00	51.4	36.1	.0	.0	32.0	.0	.0	.0	.0	.0	119.5
28.00	158.7	111.5	.0	.0	105.3	.0	.0	.0	.0	.0	375.6
28.00	202.9	142.6	.0	.0	140.5	.0	.0	.0	.0	.0	486.0
28.00	253.6	178.2	.0	.0	168.4	.0	.0	.0	.0	.0	600.2
28.00	299.0	210.1	.0	.0	192.1	.0	.0	.0	.0	.0	701.2
(10YEAR)											
28.36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
28.58	92.5	65.0	.0	.0	57.6	.0	.0	.0	.0	.0	215.1
(100 YEAR)											
28.76	138.0	96.9	.0	.0	87.9	.0	.0	.0	.0	.0	322.8
(500 YEAR)											
29.03	161.3	113.3	.0	.0	107.5	.0	.0	.0	.0	.0	382.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR76

DIFFUSION MODEL NODE NO. 76

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
30.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.00	.0	174.7	.0	.0	63.9	.0	.0	.0	.0	.0	238.6
30.00	.0	539.6	.0	.0	210.3	.0	.0	.0	.0	.0	749.9
30.00	.0	689.9	.0	.0	280.5	.0	.0	.0	.0	.0	970.4
30.00	.0	862.2	.0	.0	336.4	.0	.0	.0	.0	.0	1198.5
30.00	.0	1016.8	.0	.0	383.5	.0	.0	.0	.0	.0	1400.3
(10YEAR)											
30.45	.0	87.4	.0	.0	31.9	.0	.0	.0	.0	.0	119.3
(50 YEAR)											
30.71	.0	454.4	.0	.0	168.4	.0	.0	.0	.0	.0	622.7

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 30.87 *	.0 *	501.4 *	.0 *	.0 *	191.5 *	.0 *	.0 *	.0 *	.0 *	.0 *	692.9 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 31.08 *	.0 *	563.1 *	.0 *	.0 *	221.9 *	.0 *	.0 *	.0 *	.0 *	.0 *	785.0 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR76
DIFFUSION MODEL NODE NO. 76
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
30.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.00	.0	174.7	.0	.0	63.9	.0	.0	.0	.0	.0	238.6
30.00	.0	539.6	.0	.0	210.3	.0	.0	.0	.0	.0	749.9
30.00	.0	689.9	.0	.0	280.5	.0	.0	.0	.0	.0	970.4
30.00	.0	862.2	.0	.0	336.4	.0	.0	.0	.0	.0	1198.5
30.00	.0	1016.8	.0	.0	383.5	.0	.0	.0	.0	.0	1400.3
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
30.45	.0	87.4	.0	.0	31.9	.0	.0	.0	.0	.0	119.3
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
30.71	.0	454.4	.0	.0	168.4	.0	.0	.0	.0	.0	622.7
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
30.87	.0	501.4	.0	.0	191.5	.0	.0	.0	.0	.0	692.9
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
31.08	.0	563.1	.0	.0	221.9	.0	.0	.0	.0	.0	785.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR77
DIFFUSION MODEL NODE NO. 77

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
32.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
32.00	.0	123.3	.0	.0	45.1	.0	.0	.0	.0	.0	168.4
32.00	.0	380.9	.0	.0	148.5	.0	.0	.0	.0	.0	529.4
32.00	.0	487.0	.0	.0	198.0	.0	.0	.0	.0	.0	685.0
32.00	.0	608.6	.0	.0	237.4	.0	.0	.0	.0	.0	846.0
32.00	.0	717.7	.0	.0	270.7	.0	.0	.0	.0	.0	988.4
(10YEAR)											
32.38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
32.65	.0	308.3	.0	.0	112.7	.0	.0	.0	.0	.0	421.0
(100 YEAR)											
32.74	.0	327.0	.0	.0	121.9	.0	.0	.0	.0	.0	448.9
(500 YEAR)											
32.88	.0	356.0	.0	.0	136.2	.0	.0	.0	.0	.0	492.2

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR77
DIFFUSION MODEL NODE NO. 77
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
32.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
32.00	.0	123.3	.0	.0	45.1	.0	.0	.0	.0	.0	168.4
32.00	.0	380.9	.0	.0	148.5	.0	.0	.0	.0	.0	529.4
32.00	.0	487.0	.0	.0	198.0	.0	.0	.0	.0	.0	685.0
32.00	.0	608.6	.0	.0	237.4	.0	.0	.0	.0	.0	846.0
32.00	.0	717.7	.0	.0	270.7	.0	.0	.0	.0	.0	988.4
(10YEAR)											
32.38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
32.65	.0	308.3	.0	.0	112.7	.0	.0	.0	.0	.0	421.0
(100 YEAR)											
32.74	.0	327.0	.0	.0	121.9	.0	.0	.0	.0	.0	448.9

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 32.88 *	.0 *	356.0 *	.0 *	.0 *	136.2 *	.0 *	.0 *	.0 *	.0 *	.0 *	492.2 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR78
DIFFUSION MODEL NODE NO. 78
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (50.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
33.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33.00	2.6	89.6	.0	.0	34.6	.0	.0	.0	.0	.0	126.8
33.00	7.9	276.7	.0	.0	114.0	.0	.0	.0	.0	.0	398.6
33.00	10.1	353.8	.0	.0	152.1	.0	.0	.0	.0	.0	516.0
33.00	12.7	442.1	.0	.0	182.4	.0	.0	.0	.0	.0	637.1
33.00	15.0	521.3	.0	.0	207.9	.0	.0	.0	.0	.0	744.2
(10YEAR)											
33.57	4.4	152.3	.0	.0	58.9	.0	.0	.0	.0	.0	215.5
(50 YEAR)											
33.82	7.2	249.6	.0	.0	99.9	.0	.0	.0	.0	.0	356.6
(100 YEAR)											
33.94	7.7	267.6	.0	.0	109.3	.0	.0	.0	.0	.0	384.6
(500 YEAR)											
34.16	8.6	300.8	.0	.0	126.6	.0	.0	.0	.0	.0	436.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR78

DIFFUSION MODEL NODE NO. 78

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
33.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33.00	5.1	89.6	.0	.0	34.6	.0	.0	.0	.0	.0	129.3
33.00	15.9	276.7	.0	.0	114.0	.0	.0	.0	.0	.0	406.6
33.00	20.3	353.8	.0	.0	152.1	.0	.0	.0	.0	.0	526.1
33.00	25.4	442.1	.0	.0	182.4	.0	.0	.0	.0	.0	649.8
33.00	29.9	521.3	.0	.0	207.9	.0	.0	.0	.0	.0	759.2
(10YEAR)											
33.57	8.7	152.3	.0	.0	58.9	.0	.0	.0	.0	.0	219.9
(50 YEAR)											
33.82	14.3	249.6	.0	.0	99.9	.0	.0	.0	.0	.0	363.8
(100 YEAR)											
33.94	15.4	267.6	.0	.0	109.3	.0	.0	.0	.0	.0	392.3
(500 YEAR)											
34.16	17.3	300.8	.0	.0	126.6	.0	.0	.0	.0	.0	444.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR79

DIFFUSION MODEL NODE NO. 79

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
34.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34.00	.0	72.2	.0	.0	26.4	.0	.0	.0	.0	.0	98.6
34.00	.0	223.0	.0	.0	86.9	.0	.0	.0	.0	.0	310.0
34.00	.0	285.2	.0	.0	115.9	.0	.0	.0	.0	.0	401.1
34.00	.0	356.4	.0	.0	139.0	.0	.0	.0	.0	.0	495.4
34.00	.0	420.3	.0	.0	158.5	.0	.0	.0	.0	.0	578.8
(10YEAR)											
34.62	.0	158.9	.0	.0	58.1	.0	.0	.0	.0	.0	216.9
(50 YEAR)											
34.82	.0	201.2	.0	.0	76.2	.0	.0	.0	.0	.0	277.3

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 34.96 *	.0 *	218.2 *	.0 *	.0 *	84.5 *	.0 *	.0 *	.0 *	.0 *	.0 *	302.7 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 35.15 *	.0 *	241.2 *	.0 *	.0 *	95.9 *	.0 *	.0 *	.0 *	.0 *	.0 *	337.2 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR79
DIFFUSION MODEL NODE NO. 79
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
34.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34.00	.0	72.2	.0	.0	26.4	.0	.0	.0	.0	.0	98.6
34.00	.0	223.0	.0	.0	86.9	.0	.0	.0	.0	.0	310.0
34.00	.0	285.2	.0	.0	115.9	.0	.0	.0	.0	.0	401.1
34.00	.0	356.4	.0	.0	139.0	.0	.0	.0	.0	.0	495.4
34.00	.0	420.3	.0	.0	158.5	.0	.0	.0	.0	.0	578.8
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
34.62	.0	158.9	.0	.0	58.1	.0	.0	.0	.0	.0	216.9
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
34.82	.0	201.2	.0	.0	76.2	.0	.0	.0	.0	.0	277.3
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
34.96	.0	218.2	.0	.0	84.5	.0	.0	.0	.0	.0	302.7
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
35.15	.0	241.2	.0	.0	95.9	.0	.0	.0	.0	.0	337.2

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR80
DIFFUSION MODEL NODE NO. 80

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
35.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.00	.0	101.1	.0	26.2	36.9	.0	8.3	.0	.0	.0	172.5
35.00	.0	312.1	.0	80.9	121.7	.0	25.4	.0	.0	.0	540.1
35.00	.0	399.1	.0	103.5	162.2	.0	31.9	.0	.0	.0	696.7
35.00	.0	498.7	.0	129.3	194.6	.0	37.7	.0	.0	.0	860.3
35.00	.0	588.1	.0	152.5	221.8	.0	42.6	.0	.0	.0	1005.1
(10YEAR)											
35.33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
35.60	.0	202.1	.0	52.4	73.9	.0	16.6	.0	.0	.0	345.0
(100 YEAR)											
35.75	.0	269.6	.0	69.9	100.7	.0	22.1	.0	.0	.0	462.4
(500 YEAR)											
35.98	.0	308.7	.0	80.1	120.0	.0	25.1	.0	.0	.0	533.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR80
DIFFUSION MODEL NODE NO. 80
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
35.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.00	.0	101.1	.0	26.2	36.9	.0	8.3	.0	.0	.0	172.5
35.00	.0	312.1	.0	80.9	121.7	.0	25.4	.0	.0	.0	540.1
35.00	.0	399.1	.0	103.5	162.2	.0	31.9	.0	.0	.0	696.7
35.00	.0	498.7	.0	129.3	194.6	.0	37.7	.0	.0	.0	860.3
35.00	.0	588.1	.0	152.5	221.8	.0	42.6	.0	.0	.0	1005.1
(10YEAR)											
35.33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
35.60	.0	202.1	.0	52.4	73.9	.0	16.6	.0	.0	.0	345.0
(100 YEAR)											
35.75	.0	269.6	.0	69.9	100.7	.0	22.1	.0	.0	.0	462.4

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 35.98 *	.0 *	308.7 *	.0 *	80.1 *	120.0 *	.0 *	25.1 *	.0 *	.0 *	.0 *	533.9 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR82
DIFFUSION MODEL NODE NO. 82
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (2.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
25.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.00	.0	.0	1.4	.0	.0	20.4	.0	.0	.0	.0	21.8
25.00	.0	.0	4.4	.0	.0	112.8	.0	.0	.0	.0	117.2
25.00	.0	.0	5.7	.0	.0	200.6	.0	.0	.0	.0	206.3
25.00	.0	.0	7.1	.0	.0	286.1	.0	.0	.0	.0	293.2
(10YEAR)											
25.59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
26.28	.0	.0	3.9	.0	.0	74.0	.0	.0	.0	.0	77.9
(100 YEAR)											
26.52	.0	.0	4.5	.0	.0	116.3	.0	.0	.0	.0	120.8
(500 YEAR)											
26.91	.0	.0	5.4	.0	.0	185.0	.0	.0	.0	.0	190.5

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR82

DIFFUSION MODEL NODE NO. 82

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
25.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.00	.0	.0	71.9	.0	.0	20.4	.0	.0	.0	.0	92.3
25.00	.0	.0	222.2	.0	.0	112.8	.0	.0	.0	.0	334.9
25.00	.0	.0	284.1	.0	.0	200.6	.0	.0	.0	.0	484.7
25.00	.0	.0	355.0	.0	.0	286.1	.0	.0	.0	.0	641.1
(10YEAR)											
25.59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
26.28	.0	.0	195.6	.0	.0	74.0	.0	.0	.0	.0	269.5
(100 YEAR)											
26.52	.0	.0	224.6	.0	.0	116.3	.0	.0	.0	.0	340.9
(500 YEAR)											
26.91	.0	.0	271.9	.0	.0	185.0	.0	.0	.0	.0	457.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR83

DIFFUSION MODEL NODE NO. 83

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(6.7)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
27.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27.00	2.6	18.1	.0	.0	20.6	.0	.0	.0	.0	.0	41.2
27.00	7.9	55.8	.0	.0	67.9	.0	.0	.0	.0	.0	131.6
27.00	10.1	71.3	.0	.0	90.5	.0	.0	.0	.0	.0	172.0
27.00	12.7	89.1	.0	.0	108.6	.0	.0	.0	.0	.0	210.4
27.00	15.0	105.1	.0	.0	123.8	.0	.0	.0	.0	.0	243.8
(10YEAR)											
27.42	.5	3.6	.0	.0	4.1	.0	.0	.0	.0	.0	8.2
(50 YEAR)											
27.73	6.8	47.6	.0	.0	55.3	.0	.0	.0	.0	.0	109.6

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 27.91 *	7.5 *	53.0 *	.0 *	.0 *	63.7 *	.0 *	.0 *	.0 *	.0 *	.0 *	124.3 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 28.21 *	8.8 *	62.1 *	.0 *	.0 *	77.7 *	.0 *	.0 *	.0 *	.0 *	.0 *	148.7 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR83
DIFFUSION MODEL NODE NO. 83
(Damages are in $1,000)

Damage Categories

* Elevation*	SF *	MF *	MH *	COMM *	RESCON *	MHCON *	COMCON *	OTHER *	*	*	Total *
* 27.00 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *	.0 *
* 27.00 *	38.3 *	18.1 *	.0 *	.0 *	20.6 *	.0 *	.0 *	.0 *	.0 *	.0 *	77.0 *
* 27.00 *	118.4 *	55.8 *	.0 *	.0 *	67.9 *	.0 *	.0 *	.0 *	.0 *	.0 *	242.1 *
* 27.00 *	151.4 *	71.3 *	.0 *	.0 *	90.5 *	.0 *	.0 *	.0 *	.0 *	.0 *	313.3 *
* 27.00 *	189.2 *	89.1 *	.0 *	.0 *	108.6 *	.0 *	.0 *	.0 *	.0 *	.0 *	386.9 *
* 27.00 *	223.2 *	105.1 *	.0 *	.0 *	123.8 *	.0 *	.0 *	.0 *	.0 *	.0 *	452.1 *
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 27.42 *	7.7 *	3.6 *	.0 *	.0 *	4.1 *	.0 *	.0 *	.0 *	.0 *	.0 *	15.4 *
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 27.73 *	101.0 *	47.6 *	.0 *	.0 *	55.3 *	.0 *	.0 *	.0 *	.0 *	.0 *	203.9 *
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 27.91 *	112.6 *	53.0 *	.0 *	.0 *	63.7 *	.0 *	.0 *	.0 *	.0 *	.0 *	229.4 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 28.21 *	132.0 *	62.1 *	.0 *	.0 *	77.7 *	.0 *	.0 *	.0 *	.0 *	.0 *	271.8 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR84
DIFFUSION MODEL NODE NO. 84

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
29.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
29.00	.0	138.7	.0	.0	50.7	.0	.0	.0	.0	.0	189.5
29.00	.0	428.5	.0	.0	167.0	.0	.0	.0	.0	.0	595.5
29.00	.0	547.9	.0	.0	222.7	.0	.0	.0	.0	.0	770.6
29.00	.0	684.7	.0	.0	267.1	.0	.0	.0	.0	.0	951.8
29.00	.0	807.4	.0	.0	304.6	.0	.0	.0	.0	.0	1112.0
(10YEAR)											
29.46	.0	83.2	.0	.0	30.4	.0	.0	.0	.0	.0	113.7
(50 YEAR)											
29.81	.0	384.2	.0	.0	145.2	.0	.0	.0	.0	.0	529.4
(100 YEAR)											
29.94	.0	414.5	.0	.0	160.1	.0	.0	.0	.0	.0	574.6
(500 YEAR)											
30.25	.0	486.8	.0	.0	195.8	.0	.0	.0	.0	.0	682.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR84
DIFFUSION MODEL NODE NO. 84
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
29.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
29.00	.0	138.7	.0	.0	50.7	.0	.0	.0	.0	.0	189.5
29.00	.0	428.5	.0	.0	167.0	.0	.0	.0	.0	.0	595.5
29.00	.0	547.9	.0	.0	222.7	.0	.0	.0	.0	.0	770.6
29.00	.0	684.7	.0	.0	267.1	.0	.0	.0	.0	.0	951.8
29.00	.0	807.4	.0	.0	304.6	.0	.0	.0	.0	.0	1112.0
(10YEAR)											
29.46	.0	83.2	.0	.0	30.4	.0	.0	.0	.0	.0	113.7
(50 YEAR)											
29.81	.0	384.2	.0	.0	145.2	.0	.0	.0	.0	.0	529.4
(100 YEAR)											
29.94	.0	414.5	.0	.0	160.1	.0	.0	.0	.0	.0	574.6

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 30.25 *	.0 *	486.8 *	.0 *	.0 *	195.8 *	.0 *	.0 *	.0 *	.0 *	.0 *	682.6 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR85
DIFFUSION MODEL NODE NO. 85
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
30.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.00	.0	89.1	.0	.0	32.6	.0	.0	.0	.0	.0	121.6
30.00	.0	275.1	.0	.0	107.2	.0	.0	.0	.0	.0	382.3
30.00	.0	351.7	.0	.0	143.0	.0	.0	.0	.0	.0	494.7
30.00	.0	439.5	.0	.0	171.5	.0	.0	.0	.0	.0	611.0
30.00	.0	518.4	.0	.0	195.5	.0	.0	.0	.0	.0	713.9
(10YEAR)											
30.59	.0	169.2	.0	.0	61.9	.0	.0	.0	.0	.0	231.1
(50 YEAR)											
30.94	.0	266.1	.0	.0	102.8	.0	.0	.0	.0	.0	368.9
(100 YEAR)											
31.10	.0	290.1	.0	.0	114.6	.0	.0	.0	.0	.0	404.7
(500 YEAR)											
31.32	.0	323.0	.0	.0	130.9	.0	.0	.0	.0	.0	453.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR85

DIFFUSION MODEL NODE NO. 85

(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
30.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.00	.0	89.1	.0	.0	32.6	.0	.0	.0	.0	.0	121.6
30.00	.0	275.1	.0	.0	107.2	.0	.0	.0	.0	.0	382.3
30.00	.0	351.7	.0	.0	143.0	.0	.0	.0	.0	.0	494.7
30.00	.0	439.5	.0	.0	171.5	.0	.0	.0	.0	.0	611.0
30.00	.0	518.4	.0	.0	195.5	.0	.0	.0	.0	.0	713.9
(10YEAR)											
30.59	.0	169.2	.0	.0	61.9	.0	.0	.0	.0	.0	231.1
(50 YEAR)											
30.94	.0	266.1	.0	.0	102.8	.0	.0	.0	.0	.0	368.9
(100 YEAR)											
31.10	.0	290.1	.0	.0	114.6	.0	.0	.0	.0	.0	404.7
(500 YEAR)											
31.32	.0	323.0	.0	.0	130.9	.0	.0	.0	.0	.0	453.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR86

DIFFUSION MODEL NODE NO. 86

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(16.7)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
31.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31.00	2.6	65.2	.0	.0	29.5	.0	.0	.0	.0	.0	97.3
31.00	7.9	201.4	.0	.0	97.1	.0	.0	.0	.0	.0	306.4
31.00	10.1	257.6	.0	.0	129.4	.0	.0	.0	.0	.0	397.1
31.00	12.7	321.9	.0	.0	155.2	.0	.0	.0	.0	.0	489.7
31.00	15.0	379.6	.0	.0	177.0	.0	.0	.0	.0	.0	571.5
(10YEAR)											
31.57	4.4	110.9	.0	.0	50.1	.0	.0	.0	.0	.0	165.3
(50 YEAR)											
31.88	7.4	188.3	.0	.0	89.0	.0	.0	.0	.0	.0	284.7

(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 32.05 *	8.2 *	206.9 *	.0 *	.0 *	100.4 *	.0 *	.0 *	.0 *	.0 *	.0 *	315.5 *
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 32.39 *	9.6 *	244.2 *	.0 *	.0 *	123.1 *	.0 *	.0 *	.0 *	.0 *	.0 *	376.9 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR86
DIFFUSION MODEL NODE NO. 86
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
31.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31.00	15.4	65.2	.0	.0	29.5	.0	.0	.0	.0	.0	110.1
31.00	47.5	201.4	.0	.0	97.1	.0	.0	.0	.0	.0	346.0
31.00	60.8	257.6	.0	.0	129.4	.0	.0	.0	.0	.0	447.7
31.00	75.9	321.9	.0	.0	155.2	.0	.0	.0	.0	.0	553.0
31.00	89.5	379.6	.0	.0	177.0	.0	.0	.0	.0	.0	646.1
(10YEAR)	*	*	*	*	*	*	*	*	*	*	*
31.57	26.2	110.9	.0	.0	50.1	.0	.0	.0	.0	.0	187.1
(50 YEAR)	*	*	*	*	*	*	*	*	*	*	*
31.88	44.4	188.3	.0	.0	89.0	.0	.0	.0	.0	.0	321.7
(100 YEAR)	*	*	*	*	*	*	*	*	*	*	*
32.05	48.8	206.9	.0	.0	100.4	.0	.0	.0	.0	.0	356.1
(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
32.39	57.6	244.2	.0	.0	123.1	.0	.0	.0	.0	.0	424.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR87
DIFFUSION MODEL NODE NO. 87

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
31.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31.00	.0	99.5	.0	.0	36.4	.0	.0	.0	.0	.0	135.8
31.00	.0	307.2	.0	.0	119.8	.0	.0	.0	.0	.0	427.0
31.00	.0	392.8	.0	.0	159.7	.0	.0	.0	.0	.0	552.6
31.00	.0	490.9	.0	.0	191.5	.0	.0	.0	.0	.0	682.4
31.00	.0	579.0	.0	.0	218.4	.0	.0	.0	.0	.0	797.3
(10YEAR)											
31.76	.0	267.1	.0	.0	100.0	.0	.0	.0	.0	.0	367.1
(50 YEAR)											
32.15	.0	332.3	.0	.0	132.1	.0	.0	.0	.0	.0	464.5
(100 YEAR)											
32.39	.0	372.5	.0	.0	151.9	.0	.0	.0	.0	.0	524.4
(500 YEAR)											
32.74	.0	438.9	.0	.0	175.7	.0	.0	.0	.0	.0	614.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Damage Reach DR87
DIFFUSION MODEL NODE NO. 87
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
31.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31.00	.0	99.5	.0	.0	36.4	.0	.0	.0	.0	.0	135.8
31.00	.0	307.2	.0	.0	119.8	.0	.0	.0	.0	.0	427.0
31.00	.0	392.8	.0	.0	159.7	.0	.0	.0	.0	.0	552.6
31.00	.0	490.9	.0	.0	191.5	.0	.0	.0	.0	.0	682.4
31.00	.0	579.0	.0	.0	218.4	.0	.0	.0	.0	.0	797.3
(10YEAR)											
31.76	.0	267.1	.0	.0	100.0	.0	.0	.0	.0	.0	367.1
(50 YEAR)											
32.15	.0	332.3	.0	.0	132.1	.0	.0	.0	.0	.0	464.5
(100 YEAR)											
32.39	.0	372.5	.0	.0	151.9	.0	.0	.0	.0	.0	524.4

(500 YEAR)	*	*	*	*	*	*	*	*	*	*	*
* 32.74 *	.0 *	438.9 *	.0 *	.0 *	175.7 *	.0 *	.0 *	.0 *	.0 *	.0 *	614.6 *

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **NO DETENTION**

Aggregated Single Event Damage

Aggregated Damage Reach TOTAL
Includes Damage Reaches

DR7	DR8	DR12	DR13	DR14
DR15	DR16	DR20	DR21	DR22
DR23	DR24	DR28	DR29	DR30
DR31	DR32	DR35	DR36	DR37
DR38	DR39	DR40	DR43	DR44
DR45	DR46	DR47	DR48	DR51
DR52	DR53	DR54	DR55	DR56
DR58	DR59	DR60	DR61	DR62
DR63	DR64	DR65	DR66	DR67
DR68	DR69	DR70	DR71	DR72
DR73	DR74	DR75	DR76	DR77
DR78	DR79	DR80	DR82	DR83
DR84	DR85	DR86	DR87	

(Damage in $1,000)

Damage Categories

Single Event	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
10YEAR	2155.2	2684.2	.0	506.1	1831.5	.0	159.3	.0	.0	.0	7336.3
50 YEAR	4014.1	6001.9	1134.1	1497.2	3860.5	480.3	468.0	.0	.0	.0	17456.0
100 YEAR	4786.1	6844.6	1307.6	1867.0	4525.1	655.5	580.6	.0	.0	.0	20566.5
500 YEAR	6470.8	8120.9	1869.6	2295.1	5717.7	1145.3	701.1	.0	.0	.0	26320.5

Elapsed CPU time is 69 seconds or 1.150 minutes.

```
1          ******************************************************
           *       Structure Inventory for Damage Analysis      *
           *       Users Manual (June 1987)                     *
           *       Version  June 7, 1988                        *
           *       IBM-PC Compatible (MS)                       *
           *       Run date 19OCT89   time 07:54:44             *
           ******************************************************


                SSSSSSSS   IIIIIIII   DDDDDDD
                SS            II      DD     DD
                SS            II      DD     DD
                SSSSSSSS      II      DD     DD
                      SS      II      DD     DD
                      SS      II      DD     DD
                SSSSSSSS   IIIIIIII   DDDDDDD


              ****************************************
              * U.S. Army Corps of Engineers         *
              * The Hydrologic Engineering Center    *
              * 609 Second Street, Suite B           *
              * Davis, California 95616              *
              * (916) 551-1748                       *
              ****************************************
1
   FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
   JOB NO: P81-194-015    FILE: BC90D.SID
   STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**


J1    0      0      0      0      3      0      0     -4      2      1

This job will perform the following
-----------------------------------------------------------------------

IPOL    =     0, No raise-to-target elevation analysis to be considered for
                 this computer run

IPROF   =     0, No flood proofing analysis to be considered for this
                 computer run

IEVAC   =     0, No structure relocation will be considered for this
                 computer run

IPRNT   =     3, Suppress both damage function and structure printout

ITRACE  =     0, No trace output

ITYPE   =     4, Number of single events for which damage is calculated

                 Flood zone summary tables will not be printed

IAG     =     2, Aggregate damage reaches only for single event damage

ISAMP   =     1, Sample by damage reach
```

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

J2	4	7	64	.50	0	-1	6	1	0

Job Processing Information

NODF = 4 Number of Damage Functions

NODC = 7 Number of Damage Categories

NODR = 64 Number of Damage Reaches

AGG = .50, Aggregation interval (in feet)

NFILE = 0, Structure information file

IMAGE = -1, Images of input records will not be listed or echoed

IELV = 6, The number of elevations to be calculated for the elevation-damage relationships

IMARK = 1, The total (structure+contents+other) value will be used for the structure value flood zone summary

NDFILE = 0, Damage function file

Damage Categories

Damage Cat.	Damage Category Title	POLMAX	PRFMAX
SF	SINGLE FAMILY RESIDENTIAL STRUCTURE	.00	.00
MF	MULTI-FAMILY RESIDENTIAL STRUCTURE	.00	.00
MH	MOBILE HOME RESIDENTIAL STRUCTURE	.00	.00
COMM	COMMERCIAL STRUCTURE	.00	.00
RESCON	RESIDENTIAL CONTENTS	.00	.00
MHCON	MOBILE HOME CONTENTS	.00	.00
COMCON	COMMERCIAL STRUCTURE CONTENTS	.00	.00
OTHER	OTHER DAMAGE CATEGORIES	.00	.00

Content Category	Contents from structures of the following categories will be used for the content category
RESCON	SF MF

MHCON MH
COMCON COMM

Damage Reach Index Location Summary

Reach I.D.	Ref Flood Elev	Policy Flood Elev	Flood Proof Elev	Reloc- ation Elev	Start Damage Elev	Damage Elev Incr	Print Option Flag	Samplng Functn Flag
DR7	61.15	.00	.00	.00	61.00	.50	0	1
DR8	63.38	.00	.00	.00	63.00	.50	0	1
DR12	48.11	.00	.00	.00	48.00	.50	0	1
DR13	51.18	.00	.00	.00	51.00	.50	0	1
DR14	56.14	.00	.00	.00	56.00	.50	0	1
DR15	58.34	.00	.00	.00	58.00	.50	0	1
DR16	59.50	.00	.00	.00	59.00	.50	0	1
DR20	45.18	.00	.00	.00	45.00	.50	0	1
DR21	49.10	.00	.00	.00	49.00	.50	0	1
DR22	52.11	.00	.00	.00	52.00	.50	0	1
DR23	54.45	.00	.00	.00	54.00	.50	0	1
DR24	57.11	.00	.00	.00	57.00	.50	0	1
DR28	44.11	.00	.00	.00	44.00	.50	0	1
DR29	46.21	.00	.00	.00	46.00	.50	0	1
DR30	47.52	.00	.00	.00	47.00	.50	0	1
DR31	51.21	.00	.00	.00	51.00	.50	0	1
DR32	53.45	.00	.00	.00	53.00	.50	0	1
DR35	37.17	.00	.00	.00	37.00	.50	0	1
DR36	41.23	.00	.00	.00	41.00	.50	0	1
DR37	43.36	.00	.00	.00	43.00	.50	0	1
DR38	45.20	.00	.00	.00	45.00	.50	0	1
DR39	48.11	.00	.00	.00	48.00	.50	0	1
DR40	52.10	.00	.00	.00	52.00	.50	0	1
DR43	35.13	.00	.00	.00	35.00	.50	0	1
DR44	37.22	.00	.00	.00	37.00	.50	0	1
DR45	40.14	.00	.00	.00	40.00	.50	0	1
DR46	42.29	.00	.00	.00	42.00	.50	0	1
DR47	45.40	.00	.00	.00	45.00	.50	0	1
DR48	48.38	.00	.00	.00	48.00	.50	0	1
DR51	33.10	.00	.00	.00	33.00	.50	0	1
DR52	35.29	.00	.00	.00	35.00	.50	0	1
DR53	37.49	.00	.00	.00	37.00	.50	0	1
DR54	39.49	.00	.00	.00	39.00	.50	0	1
DR55	43.11	.00	.00	.00	43.00	.50	0	1
DR56	44.11	.00	.00	.00	44.00	.50	0	1
DR58	27.19	.00	.00	.00	27.00	.50	0	1
DR59	30.48	.00	.00	.00	30.00	.50	0	1
DR60	32.45	.00	.00	.00	32.00	.50	0	1
DR61	35.29	.00	.00	.00	35.00	.50	0	1
DR62	39.10	.00	.00	.00	39.00	.50	0	1
DR63	40.20	.00	.00	.00	40.00	.50	0	1
DR64	41.44	.00	.00	.00	41.00	.50	0	1
DR65	23.19	.00	.00	.00	23.00	.50	0	1
DR66	25.77	.00	.00	.00	25.00	.50	0	1
DR67	28.30	.00	.00	.00	28.00	.50	0	1
DR68	31.40	.00	.00	.00	31.00	.50	0	1
DR69	34.11	.00	.00	.00	34.00	.50	0	1

DR70	36.20	.00	.00	.00	36.00	.50	0	1
DR71	37.36	.00	.00	.00	37.00	.50	0	1
DR72	39.21	.00	.00	.00	39.00	.50	0	1
DR73	22.15	.00	.00	.00	22.00	.50	0	1
DR74	25.47	.00	.00	.00	25.00	.50	0	1
DR75	28.10	.00	.00	.00	28.00	.50	0	1
DR76	30.27	.00	.00	.00	30.00	.50	0	1
DR77	32.13	.00	.00	.00	32.00	.50	0	1
DR78	33.22	.00	.00	.00	33.00	.50	0	1
DR79	34.32	.00	.00	.00	34.00	.50	0	1
DR80	35.20	.00	.00	.00	35.00	.50	0	1
DR82	25.37	.00	.00	.00	25.00	.50	0	1
DR83	27.20	.00	.00	.00	27.00	.50	0	1
DR84	29.30	.00	.00	.00	29.00	.50	0	1
DR85	30.23	.00	.00	.00	30.00	.50	0	1
DR86	31.26	.00	.00	.00	31.00	.50	0	1
DR87	31.38	.00	.00	.00	31.00	.50	0	1

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FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Single Events for Damage Reaches

Damage Reach	10YEAR EVENT	50 YEAR EVENT	100 YEAR EVENT	500 YEAR EVENT
DR7	61.09	61.12	61.13	61.17
DR8	63.09	63.11	63.12	63.24
DR12	48.09	48.14	48.17	48.25
DR13	51.09	51.16	51.20	51.31
DR14	56.09	56.12	56.14	56.19
DR15	58.09	58.13	58.16	58.23
DR16	59.09	59.13	59.16	59.24
DR20	45.09	45.18	45.18	45.23
DR21	49.09	49.13	49.13	49.10
DR22	52.09	52.11	52.10	52.10
DR23	54.09	54.10	54.10	54.13
DR24	57.09	57.10	57.10	57.10
DR28	44.09	44.12	44.21	44.35
DR29	46.09	46.23	46.47	46.74
DR30	47.09	47.46	47.85	48.34
DR31	51.09	51.43	51.61	51.98
DR32	53.09	53.74	54.19	54.86
DR35	37.09	37.13	37.16	37.43
DR36	41.09	41.11	41.31	41.48
DR37	43.09	43.21	43.40	43.64
DR38	45.09	45.11	45.11	45.31
DR39	48.09	48.10	48.10	48.10
DR40	52.09	52.10	52.10	52.19
DR43	35.09	35.17	35.16	35.53
DR44	37.09	37.24	37.22	37.55
DR45	40.11	40.30	40.31	40.61
DR46	42.13	42.71	43.03	43.36
DR47	45.24	46.27	46.45	46.86
DR48	48.60	49.50	49.69	50.16
DR51	33.09	33.23	33.24	33.26

DR52	35.12	35.51	35.55	35.97
DR53	37.14	37.91	38.32	38.64
DR54	39.20	40.12	40.48	40.84
DR55	43.13	43.21	43.26	43.51
DR56	44.22	44.68	44.94	45.43
DR58	27.09	27.47	27.60	27.94
DR59	30.12	30.70	30.81	31.19
DR60	32.15	33.10	33.34	33.77
DR61	35.12	35.80	35.92	36.23
DR62	39.11	39.37	39.38	39.58
DR63	40.18	40.72	40.87	41.25
DR64	41.28	42.24	42.56	43.02
DR65	23.01	23.06	23.08	23.12
DR66	25.11	26.49	26.81	27.42
DR67	28.14	28.83	29.16	29.52
DR68	31.12	31.80	31.92	32.30
DR69	34.12	34.51	34.56	34.85
DR70	36.12	36.53	36.69	36.94
DR71	37.18	37.98	38.18	38.45
DR72	39.14	39.56	39.73	39.96
DR73	22.01	22.04	22.07	22.10
DR74	25.09	26.02	26.47	27.00
DR75	28.11	28.22	28.55	28.95
DR76	30.12	30.49	30.70	31.04
DR77	32.12	32.52	32.64	32.94
DR78	33.14	33.78	33.99	34.31
DR79	34.15	34.82	35.03	35.32
DR80	35.12	35.58	35.77	36.05
DR82	25.09	25.95	26.33	26.78
DR83	27.10	27.70	28.00	28.36
DR84	29.13	29.78	30.02	30.27
DR85	30.16	30.98	31.20	31.43
DR86	31.16	31.93	32.08	32.49
DR87	31.22	32.16	32.47	32.85

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FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Aggregated Damage Reach	Includes Damage Reaches									
TOTAL	DR7	DR8	DR12	DR13	DR14	DR15	DR16	DR20	DR21	DR22
	DR23	DR24	DR28	DR29	DR30	DR31	DR32	DR35	DR36	DR37
	DR38	DR39	DR40	DR43	DR44	DR45	DR46	DR47	DR48	DR51
	DR52	DR53	DR54	DR55	DR56	DR58	DR59	DR60	DR61	DR62
	DR63	DR64	DR65	DR66	DR67	DR68	DR69	DR70	DR71	DR72
	DR73	DR74	DR75	DR76	DR77	DR78	DR79	DR80	DR82	DR83
	DR84	DR85	DR86	DR87						

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FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR7
DIFFUSION MODEL NODE NO. 7

(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (8.3)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
61.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61.00	2.6	.0	.0	.0	11.3	.0	.0	.0	.0	.0	13.9
61.00	7.9	.0	.0	.0	37.3	.0	.0	.0	.0	.0	45.2
61.00	10.1	.0	.0	.0	49.7	.0	.0	.0	.0	.0	59.8
61.00	12.7	.0	.0	.0	59.6	.0	.0	.0	.0	.0	72.3
61.00	15.0	.0	.0	.0	68.0	.0	.0	.0	.0	.0	82.9
(10YEAR)											
61.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
61.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
61.13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
61.17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

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FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR7
DIFFUSION MODEL NODE NO. 7
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
61.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61.00	31.0	.0	.0	.0	11.3	.0	.0	.0	.0	.0	42.3
61.00	95.6	.0	.0	.0	37.3	.0	.0	.0	.0	.0	132.9
61.00	122.2	.0	.0	.0	49.7	.0	.0	.0	.0	.0	171.9
61.00	152.8	.0	.0	.0	59.6	.0	.0	.0	.0	.0	212.4
61.00	180.2	.0	.0	.0	68.0	.0	.0	.0	.0	.0	248.1
(10YEAR)											
61.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
61.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
61.13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
61.17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS

Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR8
DIFFUSION MODEL NODE NO. 8
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(4.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
63.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63.00	2.6	.0	.0	5.4	23.5	.0	1.7	.0	.0	.0	33.2
63.00	7.9	.0	.0	16.7	77.3	.0	5.2	.0	.0	.0	107.2
63.00	10.1	.0	.0	21.3	103.1	.0	6.6	.0	.0	.0	141.1
63.00	12.7	.0	.0	26.6	123.7	.0	7.8	.0	.0	.0	170.7
63.00	15.0	.0	.0	31.4	141.0	.0	8.8	.0	.0	.0	196.1
(10YEAR)											
63.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
63.11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
63.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
63.24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR8
DIFFUSION MODEL NODE NO. 8
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
63.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

63.00	64.2	.0	.0	5.4	23.5	.0	1.7	.0	.0	.0	94.8
63.00	198.4	.0	.0	16.7	77.3	.0	5.2	.0	.0	.0	297.6
63.00	253.6	.0	.0	21.3	103.1	.0	6.6	.0	.0	.0	384.6
63.00	317.0	.0	.0	26.6	123.7	.0	7.8	.0	.0	.0	475.0
63.00	373.8	.0	.0	31.4	141.0	.0	8.8	.0	.0	.0	555.0
(10YEAR)											
63.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
63.11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
63.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
63.24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR12
DIFFUSION MODEL NODE NO. 12
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(7.1)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
48.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48.00	2.6	.0	.0	.0	13.2	.0	.0	.0	.0	.0	15.8
48.00	7.9	.0	.0	.0	43.6	.0	.0	.0	.0	.0	51.5
48.00	10.1	.0	.0	.0	58.1	.0	.0	.0	.0	.0	68.2
48.00	12.7	.0	.0	.0	69.7	.0	.0	.0	.0	.0	82.3
48.00	15.0	.0	.0	.0	79.4	.0	.0	.0	.0	.0	94.4
(10YEAR)											
48.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
48.14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
48.17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
48.25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE

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Damage category     COMM identified as COMMERCIAL STRUCTURE
Damage category   RESCON identified as RESIDENTIAL CONTENTS
Damage category    MHCON identified as MOBILE HOME CONTENTS
Damage category   COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category    OTHER identified as  OTHER DAMAGE CATEGORIES
1
   FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
   JOB NO: P81-194-015    FILE: BC90D.SID
   STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**


                                   Damage Reach   DR12
                         DIFFUSION MODEL NODE NO. 12
                                 ( Damages are in $1,000 )

                                   Damage Categories
*****************************************************************************************************************
* Elevation*      SF *      MF *      MH *    COMM *  RESCON *   MHCON *  COMCON *   OTHER *         *         *  Total  *
*----------*---------*---------*---------*---------*---------*---------*---------*---------*---------*---------*---------*
*    48.00 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *
*    48.00 *    36.2 *      .0 *      .0 *      .0 *    13.2 *      .0 *      .0 *      .0 *      .0 *      .0 *    49.4 *
*    48.00 *   111.8 *      .0 *      .0 *      .0 *    43.6 *      .0 *      .0 *      .0 *      .0 *      .0 *   155.3 *
*    48.00 *   142.9 *      .0 *      .0 *      .0 *    58.1 *      .0 *      .0 *      .0 *      .0 *      .0 *   201.0 *
*    48.00 *   178.6 *      .0 *      .0 *      .0 *    69.7 *      .0 *      .0 *      .0 *      .0 *      .0 *   248.2 *
*    48.00 *   210.6 *      .0 *      .0 *      .0 *    79.4 *      .0 *      .0 *      .0 *      .0 *      .0 *   290.0 *
*-----------------------------------------------------------------------------------------------------------------------*
*(10YEAR  )*         *         *         *         *         *         *         *         *         *         *         *
*    48.09 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *
*( 50 YEAR)*         *         *         *         *         *         *         *         *         *         *         *
*    48.14 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *
*(100 YEAR)*         *         *         *         *         *         *         *         *         *         *         *
*    48.17 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *
*(500 YEAR)*         *         *         *         *         *         *         *         *         *         *         *
*    48.25 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *
*****************************************************************************************************************
Damage category       SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category       MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category       MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category     COMM identified as COMMERCIAL STRUCTURE
Damage category   RESCON identified as RESIDENTIAL CONTENTS
Damage category    MHCON identified as MOBILE HOME CONTENTS
Damage category   COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category    OTHER identified as  OTHER DAMAGE CATEGORIES
** Note **  damage category OTHER is not changed by sampling
1
   FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
   JOB NO: P81-194-015    FILE: BC90D.SID
   STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**


                                   Damage Reach   DR13
                         DIFFUSION MODEL NODE NO. 13
                                 ( Damages are in $1,000 )

                                   Damage Categories
                                   (percent sampled)
*****************************************************************************************************************
*   Water  *      SF *      MF *      MH *    COMM *  RESCON *   MHCON *  COMCON *   OTHER *         *         *         *
*  Surface *         *         *         *         *         *         *         *         *         *         *  Total  *
* Elevation* ( 10.0) * (100.0) * (100.0) * (100.0) * (100.0) * (100.0) * (100.0) * (100.0) * (    .0) * (    .0) *         *
```

51.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51.00	2.6	20.6	.0	.0	16.9	.0	.0	.0	.0	.0	40.0	
51.00	7.9	63.5	.0	.0	55.7	.0	.0	.0	.0	.0	127.1	
51.00	10.1	81.2	.0	.0	74.2	.0	.0	.0	.0	.0	165.6	
51.00	12.7	101.4	.0	.0	89.0	.0	.0	.0	.0	.0	203.1	
51.00	15.0	119.6	.0	.0	101.5	.0	.0	.0	.0	.0	236.1	
(10YEAR)												
51.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(50 YEAR)												
51.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(100 YEAR)												
51.20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(500 YEAR)												
51.31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR13
DIFFUSION MODEL NODE NO. 13
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
51.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51.00	25.7	20.6	.0	.0	16.9	.0	.0	.0	.0	.0	63.2
51.00	79.3	63.5	.0	.0	55.7	.0	.0	.0	.0	.0	198.5
51.00	101.5	81.2	.0	.0	74.2	.0	.0	.0	.0	.0	256.9
51.00	126.8	101.4	.0	.0	89.0	.0	.0	.0	.0	.0	317.3
51.00	149.5	119.6	.0	.0	101.5	.0	.0	.0	.0	.0	370.7
(10YEAR)											
51.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
51.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
51.20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
51.31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS

Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR14
DIFFUSION MODEL NODE NO. 14
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (6.3)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
56.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56.00	2.6	.0	.0	.0	14.9	.0	.0	.0	.0	.0	17.5
56.00	7.9	.0	.0	.0	49.1	.0	.0	.0	.0	.0	57.0
56.00	10.1	.0	.0	.0	65.5	.0	.0	.0	.0	.0	75.6
56.00	12.7	.0	.0	.0	78.5	.0	.0	.0	.0	.0	91.2
56.00	15.0	.0	.0	.0	89.5	.0	.0	.0	.0	.0	104.5
(10YEAR)											
56.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
56.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
56.14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
56.19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR14
DIFFUSION MODEL NODE NO. 14
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
56.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

56.00	40.8	.0	.0	.0	14.9	.0	.0	.0	.0	.0	55.7
56.00	126.0	.0	.0	.0	49.1	.0	.0	.0	.0	.0	175.1
56.00	161.0	.0	.0	.0	65.5	.0	.0	.0	.0	.0	226.5
56.00	201.3	.0	.0	.0	78.5	.0	.0	.0	.0	.0	279.8
56.00	237.3	.0	.0	.0	89.5	.0	.0	.0	.0	.0	326.9
(10YEAR)											
56.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
56.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
56.14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
56.19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR15
DIFFUSION MODEL NODE NO. 15
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(6.7)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
58.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58.00	2.6	.0	.0	.0	14.0	.0	.0	.0	.0	.0	16.6
58.00	7.9	.0	.0	.0	46.2	.0	.0	.0	.0	.0	54.1
58.00	10.1	.0	.0	.0	61.6	.0	.0	.0	.0	.0	71.7
58.00	12.7	.0	.0	.0	73.8	.0	.0	.0	.0	.0	86.5
58.00	15.0	.0	.0	.0	84.2	.0	.0	.0	.0	.0	99.1
(10YEAR)											
58.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
58.13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
58.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
58.23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE

Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR15
DIFFUSION MODEL NODE NO. 15
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
58.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58.00	38.3	.0	.0	.0	14.0	.0	.0	.0	.0	.0	52.4
58.00	118.4	.0	.0	.0	46.2	.0	.0	.0	.0	.0	164.6
58.00	151.4	.0	.0	.0	61.6	.0	.0	.0	.0	.0	213.0
58.00	189.2	.0	.0	.0	73.8	.0	.0	.0	.0	.0	263.1
58.00	223.2	.0	.0	.0	84.2	.0	.0	.0	.0	.0	307.4
(10YEAR)											
58.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
58.13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
58.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
58.23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR16
DIFFUSION MODEL NODE NO. 16
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(8.3)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	

59.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59.00	2.6	8.6	.0	.0	14.4	.0	.0	.0	.0	.0	25.6	
59.00	7.9	26.5	.0	.0	47.6	.0	.0	.0	.0	.0	82.0	
59.00	10.1	33.8	.0	.0	63.4	.0	.0	.0	.0	.0	107.4	
59.00	12.7	42.3	.0	.0	76.1	.0	.0	.0	.0	.0	131.0	
59.00	15.0	49.8	.0	.0	86.8	.0	.0	.0	.0	.0	151.5	
(10YEAR)												
59.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(50 YEAR)												
59.13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(100 YEAR)												
59.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(500 YEAR)												
59.24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR16
DIFFUSION MODEL NODE NO. 16
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
59.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59.00	31.0	8.6	.0	.0	14.4	.0	.0	.0	.0	.0	54.0
59.00	95.6	26.5	.0	.0	47.6	.0	.0	.0	.0	.0	169.6
59.00	122.2	33.8	.0	.0	63.4	.0	.0	.0	.0	.0	219.5
59.00	152.8	42.3	.0	.0	76.1	.0	.0	.0	.0	.0	271.1
59.00	180.2	49.8	.0	.0	86.8	.0	.0	.0	.0	.0	316.7
(10YEAR)											
59.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
59.13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
59.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
59.24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS

Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR20
DIFFUSION MODEL NODE NO. 20
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (20.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
45.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.00	2.6	.0	.0	.0	4.7	.0	.0	.0	.0	.0	7.3
45.00	7.9	.0	.0	.0	15.5	.0	.0	.0	.0	.0	23.4
45.00	10.1	.0	.0	.0	20.6	.0	.0	.0	.0	.0	30.8
45.00	12.7	.0	.0	.0	24.7	.0	.0	.0	.0	.0	37.4
45.00	15.0	.0	.0	.0	28.2	.0	.0	.0	.0	.0	43.2
(10YEAR)											
45.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
45.18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
45.18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
45.23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR20
DIFFUSION MODEL NODE NO. 20
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
45.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

45.00	12.8	.0	.0	.0	4.7	.0	.0	.0	.0	.0	17.5
45.00	39.7	.0	.0	.0	15.5	.0	.0	.0	.0	.0	55.1
45.00	50.7	.0	.0	.0	20.6	.0	.0	.0	.0	.0	71.4
45.00	63.4	.0	.0	.0	24.7	.0	.0	.0	.0	.0	88.1
45.00	74.8	.0	.0	.0	28.2	.0	.0	.0	.0	.0	103.0
(10YEAR)											
45.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
45.18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
45.18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
45.23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR21
DIFFUSION MODEL NODE NO. 21
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(10.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
49.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49.00	2.6	6.9	.0	.0	11.9	.0	.0	.0	.0	.0	21.3
49.00	7.9	21.2	.0	.0	39.2	.0	.0	.0	.0	.0	68.3
49.00	10.1	27.1	.0	.0	52.2	.0	.0	.0	.0	.0	89.4
49.00	12.7	33.8	.0	.0	62.7	.0	.0	.0	.0	.0	109.1
49.00	15.0	39.9	.0	.0	71.4	.0	.0	.0	.0	.0	126.3
(10YEAR)											
49.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
49.13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
49.13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
49.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE

Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR21
DIFFUSION MODEL NODE NO. 21
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
49.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49.00	25.7	6.9	.0	.0	11.9	.0	.0	.0	.0	.0	44.4
49.00	79.3	21.2	.0	.0	39.2	.0	.0	.0	.0	.0	139.7
49.00	101.5	27.1	.0	.0	52.2	.0	.0	.0	.0	.0	180.8
49.00	126.8	33.8	.0	.0	62.7	.0	.0	.0	.0	.0	223.3
49.00	149.5	39.9	.0	.0	71.4	.0	.0	.0	.0	.0	260.8
(10YEAR)											
49.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
49.13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
49.13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
49.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR22
DIFFUSION MODEL NODE NO. 22
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(8.3)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	

52.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52.00	2.6	.0	.0	.0	11.3	.0	.0	.0	.0	.0	13.9
52.00	7.9	.0	.0	.0	37.3	.0	.0	.0	.0	.0	45.2
52.00	10.1	.0	.0	.0	49.7	.0	.0	.0	.0	.0	59.8
52.00	12.7	.0	.0	.0	59.6	.0	.0	.0	.0	.0	72.3
52.00	15.0	.0	.0	.0	68.0	.0	.0	.0	.0	.0	82.9
(10YEAR)											
52.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
52.11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
52.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
52.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR22
DIFFUSION MODEL NODE NO. 22
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
52.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52.00	31.0	.0	.0	.0	11.3	.0	.0	.0	.0	.0	42.3
52.00	95.6	.0	.0	.0	37.3	.0	.0	.0	.0	.0	132.9
52.00	122.2	.0	.0	.0	49.7	.0	.0	.0	.0	.0	171.9
52.00	152.8	.0	.0	.0	59.6	.0	.0	.0	.0	.0	212.4
52.00	180.2	.0	.0	.0	68.0	.0	.0	.0	.0	.0	248.1
(10YEAR)											
52.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
52.11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
52.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
52.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS

Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR23
DIFFUSION MODEL NODE NO. 23
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(5.6)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
54.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54.00	2.6	.0	.0	.0	16.8	.0	.0	.0	.0	.0	19.3
54.00	7.9	.0	.0	.0	55.2	.0	.0	.0	.0	.0	63.2
54.00	10.1	.0	.0	.0	73.7	.0	.0	.0	.0	.0	83.8
54.00	12.7	.0	.0	.0	88.3	.0	.0	.0	.0	.0	101.0
54.00	15.0	.0	.0	.0	100.7	.0	.0	.0	.0	.0	115.7
(10YEAR)											
54.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
54.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
54.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
54.13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR23
DIFFUSION MODEL NODE NO. 23
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
54.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

54.00	45.9	.0	.0	.0	16.8	.0	.0	.0	.0	.0	62.6
54.00	141.7	.0	.0	.0	55.2	.0	.0	.0	.0	.0	196.9
54.00	181.2	.0	.0	.0	73.7	.0	.0	.0	.0	.0	254.8
54.00	226.4	.0	.0	.0	88.3	.0	.0	.0	.0	.0	314.7
54.00	267.0	.0	.0	.0	100.7	.0	.0	.0	.0	.0	367.7
(10YEAR)											
54.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
54.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
54.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
54.13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR24
DIFFUSION MODEL NODE NO. 24
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(6.3)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
57.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57.00	2.6	.0	.0	.0	14.9	.0	.0	.0	.0	.0	17.5
57.00	7.9	.0	.0	.0	49.1	.0	.0	.0	.0	.0	57.0
57.00	10.1	.0	.0	.0	65.5	.0	.0	.0	.0	.0	75.6
57.00	12.7	.0	.0	.0	78.5	.0	.0	.0	.0	.0	91.2
57.00	15.0	.0	.0	.0	89.5	.0	.0	.0	.0	.0	104.5
(10YEAR)											
57.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
57.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
57.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
57.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE

Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR24
DIFFUSION MODEL NODE NO. 24
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
57.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57.00	40.8	.0	.0	.0	14.9	.0	.0	.0	.0	.0	55.7
57.00	126.0	.0	.0	.0	49.1	.0	.0	.0	.0	.0	175.1
57.00	161.0	.0	.0	.0	65.5	.0	.0	.0	.0	.0	226.5
57.00	201.3	.0	.0	.0	78.5	.0	.0	.0	.0	.0	279.8
57.00	237.3	.0	.0	.0	89.5	.0	.0	.0	.0	.0	326.9
(10YEAR)											
57.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
57.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
57.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
57.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR28
DIFFUSION MODEL NODE NO. 28
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	

44.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
44.00	.0	74.6	.0	35.5	27.3	.0	11.2	.0	.0	.0	148.6	
44.00	.0	230.5	.0	109.5	89.9	.0	34.4	.0	.0	.0	464.3	
44.00	.0	294.8	.0	140.0	119.8	.0	43.2	.0	.0	.0	597.8	
44.00	.0	368.4	.0	175.0	143.7	.0	51.0	.0	.0	.0	738.0	
44.00	.0	434.4	.0	206.3	163.9	.0	57.7	.0	.0	.0	862.3	
(10YEAR)												
44.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(50 YEAR)												
44.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(100 YEAR)												
44.21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(500 YEAR)												
44.35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR28
DIFFUSION MODEL NODE NO. 28
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
44.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
44.00	.0	74.6	.0	35.5	27.3	.0	11.2	.0	.0	.0	148.6
44.00	.0	230.5	.0	109.5	89.9	.0	34.4	.0	.0	.0	464.3
44.00	.0	294.8	.0	140.0	119.8	.0	43.2	.0	.0	.0	597.8
44.00	.0	368.4	.0	175.0	143.7	.0	51.0	.0	.0	.0	738.0
44.00	.0	434.4	.0	206.3	163.9	.0	57.7	.0	.0	.0	862.3
(10YEAR)											
44.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
44.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
44.21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
44.35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS

Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR29
DIFFUSION MODEL NODE NO. 29
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (16.7)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
46.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
46.00	2.6	.0	.0	50.1	5.6	.0	15.9	.0	.0	.0	74.2
46.00	7.9	.0	.0	154.8	18.5	.0	48.6	.0	.0	.0	229.8
46.00	10.1	.0	.0	197.9	24.7	.0	61.1	.0	.0	.0	293.8
46.00	12.7	.0	.0	247.3	29.6	.0	72.0	.0	.0	.0	361.7
46.00	15.0	.0	.0	291.7	33.8	.0	81.5	.0	.0	.0	421.9
(10YEAR)											
46.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
46.23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
46.47	1.8	.0	.0	35.1	3.9	.0	11.1	.0	.0	.0	51.9
(500 YEAR)											
46.74	6.8	.0	.0	132.9	15.2	.0	42.0	.0	.0	.0	196.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR29
DIFFUSION MODEL NODE NO. 29
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
46.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

46.00	15.4	.0	.0	50.1	5.6	.0	15.9	.0	.0	.0	87.0
46.00	47.5	.0	.0	154.8	18.5	.0	48.6	.0	.0	.0	269.4
46.00	60.8	.0	.0	197.9	24.7	.0	61.1	.0	.0	.0	344.4
46.00	75.9	.0	.0	247.3	29.6	.0	72.0	.0	.0	.0	424.9
46.00	89.5	.0	.0	291.7	33.8	.0	81.5	.0	.0	.0	496.5
(10YEAR)											
46.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
46.23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
46.47	10.8	.0	.0	35.1	3.9	.0	11.1	.0	.0	.0	60.9
(500 YEAR)											
46.74	40.8	.0	.0	132.9	15.2	.0	42.0	.0	.0	.0	230.8

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR30
DIFFUSION MODEL NODE NO. 30
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (10.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
47.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47.00	2.6	.0	.0	42.4	9.4	.0	13.4	.0	.0	.0	67.8
47.00	7.9	.0	.0	131.0	30.9	.0	41.1	.0	.0	.0	211.0
47.00	10.1	.0	.0	167.5	41.2	.0	51.7	.0	.0	.0	270.5
47.00	12.7	.0	.0	209.3	49.5	.0	61.0	.0	.0	.0	332.4
47.00	15.0	.0	.0	246.8	56.4	.0	69.0	.0	.0	.0	387.1
(10YEAR)											
47.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
47.46	1.5	.0	.0	25.4	5.6	.0	8.1	.0	.0	.0	40.7
(100 YEAR)											
47.85	7.3	.0	.0	120.3	27.7	.0	37.9	.0	.0	.0	193.2
(500 YEAR)											
48.34	9.4	.0	.0	155.2	38.2	.0	48.4	.0	.0	.0	251.2

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE

Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR30
DIFFUSION MODEL NODE NO. 30
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
47.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47.00	25.7	.0	.0	42.4	9.4	.0	13.4	.0	.0	.0	90.9
47.00	79.3	.0	.0	131.0	30.9	.0	41.1	.0	.0	.0	282.4
47.00	101.5	.0	.0	167.5	41.2	.0	51.7	.0	.0	.0	361.9
47.00	126.8	.0	.0	209.3	49.5	.0	61.0	.0	.0	.0	446.5
47.00	149.5	.0	.0	246.8	56.4	.0	69.0	.0	.0	.0	521.7
(10YEAR)											
47.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
47.46	15.4	.0	.0	25.4	5.6	.0	8.1	.0	.0	.0	54.5
(100 YEAR)											
47.85	72.9	.0	.0	120.3	27.7	.0	37.9	.0	.0	.0	258.8
(500 YEAR)											
48.34	94.0	.0	.0	155.2	38.2	.0	48.4	.0	.0	.0	335.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR31
DIFFUSION MODEL NODE NO. 31
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
(16.7)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	

51.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51.00	2.6	23.8	.0	18.5	14.3	.0	5.9	.0	.0	.0	65.1
51.00	7.9	73.5	.0	57.1	47.2	.0	17.9	.0	.0	.0	203.7
51.00	10.1	94.0	.0	73.1	62.9	.0	22.5	.0	.0	.0	262.7
51.00	12.7	117.5	.0	91.3	75.5	.0	26.6	.0	.0	.0	323.5
51.00	15.0	138.6	.0	107.7	86.0	.0	30.1	.0	.0	.0	377.3
(10YEAR)											
51.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
51.43	.8	7.1	.0	5.5	4.3	.0	1.8	.0	.0	.0	19.5
(100 YEAR)											
51.61	5.4	50.0	.0	38.8	30.1	.0	12.3	.0	.0	.0	136.6
(500 YEAR)											
51.98	7.8	72.7	.0	56.5	46.5	.0	17.7	.0	.0	.0	201.4

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR31
DIFFUSION MODEL NODE NO. 31
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
51.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51.00	15.4	23.8	.0	18.5	14.3	.0	5.9	.0	.0	.0	77.9
51.00	47.5	73.5	.0	57.1	47.2	.0	17.9	.0	.0	.0	243.3
51.00	60.8	94.0	.0	73.1	62.9	.0	22.5	.0	.0	.0	313.3
51.00	75.9	117.5	.0	91.3	75.5	.0	26.6	.0	.0	.0	386.7
51.00	89.5	138.6	.0	107.7	86.0	.0	30.1	.0	.0	.0	451.9
(10YEAR)											
51.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
51.43	4.6	7.1	.0	5.5	4.3	.0	1.8	.0	.0	.0	23.4
(100 YEAR)											
51.61	32.3	50.0	.0	38.8	30.1	.0	12.3	.0	.0	.0	163.5
(500 YEAR)											
51.98	47.0	72.7	.0	56.5	46.5	.0	17.7	.0	.0	.0	240.5

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS

Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR32
DIFFUSION MODEL NODE NO. 32
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (20.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
53.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53.00	2.6	11.9	.0	27.7	9.1	.0	8.8	.0	.0	.0	60.1
53.00	7.9	36.8	.0	85.7	29.8	.0	26.9	.0	.0	.0	187.2
53.00	10.1	47.1	.0	109.6	39.8	.0	33.8	.0	.0	.0	240.4
53.00	12.7	58.8	.0	136.9	47.7	.0	39.9	.0	.0	.0	296.0
53.00	15.0	69.4	.0	161.5	54.4	.0	45.1	.0	.0	.0	345.3
(10YEAR)											
53.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
53.74	6.8	31.6	.0	73.6	24.5	.0	23.2	.0	.0	.0	159.7
(100 YEAR)											
54.19	8.8	40.6	.0	94.6	33.7	.0	29.6	.0	.0	.0	207.2
(500 YEAR)											
54.86	12.0	55.5	.0	129.1	45.6	.0	38.2	.0	.0	.0	280.3

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR32
DIFFUSION MODEL NODE NO. 32
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
53.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

53.00	12.8	11.9	.0	27.7	9.1	.0	8.8	.0	.0	.0	70.4
53.00	39.7	36.8	.0	85.7	29.8	.0	26.9	.0	.0	.0	218.9
53.00	50.7	47.1	.0	109.6	39.8	.0	33.8	.0	.0	.0	281.0
53.00	63.4	58.8	.0	136.9	47.7	.0	39.9	.0	.0	.0	346.7
53.00	74.8	69.4	.0	161.5	54.4	.0	45.1	.0	.0	.0	405.1
(10YEAR)											
53.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
53.74	34.1	31.6	.0	73.6	24.5	.0	23.2	.0	.0	.0	186.9
(100 YEAR)											
54.19	43.8	40.6	.0	94.6	33.7	.0	29.6	.0	.0	.0	242.3
(500 YEAR)											
54.86	59.8	55.5	.0	129.1	45.6	.0	38.2	.0	.0	.0	328.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR35
DIFFUSION MODEL NODE NO. 35
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(11.1)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	2.6	41.1	.0	43.2	23.5	.0	13.7	.0	.0	.0	124.0
37.00	7.9	127.0	.0	133.3	77.4	.0	41.8	.0	.0	.0	387.4
37.00	10.1	162.3	.0	170.5	103.2	.0	52.6	.0	.0	.0	498.7
37.00	12.7	202.9	.0	213.0	123.7	.0	62.1	.0	.0	.0	614.3
37.00	15.0	239.2	.0	251.2	141.1	.0	70.2	.0	.0	.0	716.6
(10YEAR)											
37.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
37.13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
37.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
37.43	.8	12.3	.0	12.9	7.0	.0	4.1	.0	.0	.0	37.2

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE

Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR35
DIFFUSION MODEL NODE NO. 35
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	23.1	41.1	.0	43.2	23.5	.0	13.7	.0	.0	.0	144.6
37.00	71.5	127.0	.0	133.3	77.4	.0	41.8	.0	.0	.0	451.0
37.00	91.4	162.3	.0	170.5	103.2	.0	52.6	.0	.0	.0	579.9
37.00	114.2	202.9	.0	213.0	123.7	.0	62.1	.0	.0	.0	715.8
37.00	134.7	239.2	.0	251.2	141.1	.0	70.2	.0	.0	.0	836.4
(10YEAR)											
37.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
37.13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
37.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
37.43	6.9	12.3	.0	12.9	7.0	.0	4.1	.0	.0	.0	43.4

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR36
DIFFUSION MODEL NODE NO. 36
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(5.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	

41.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41.00	2.6	5.1	.0	18.5	20.7	.0	5.9	.0	.0	.0	52.7
41.00	7.9	15.9	.0	57.1	68.1	.0	17.9	.0	.0	.0	166.9
41.00	10.1	20.3	.0	73.1	90.7	.0	22.5	.0	.0	.0	216.8
41.00	12.7	25.4	.0	91.3	108.8	.0	26.6	.0	.0	.0	264.7
41.00	15.0	29.9	.0	107.7	124.1	.0	30.1	.0	.0	.0	306.7
(10YEAR)											
41.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
41.11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
41.31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
41.48	2.1	4.1	.0	14.8	16.5	.0	4.7	.0	.0	.0	42.2

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR36
DIFFUSION MODEL NODE NO. 36
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
41.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41.00	51.4	5.1	.0	18.5	20.7	.0	5.9	.0	.0	.0	101.5
41.00	158.7	15.9	.0	57.1	68.1	.0	17.9	.0	.0	.0	317.7
41.00	202.9	20.3	.0	73.1	90.7	.0	22.5	.0	.0	.0	409.5
41.00	253.6	25.4	.0	91.3	108.8	.0	26.6	.0	.0	.0	505.6
41.00	299.0	29.9	.0	107.7	124.1	.0	30.1	.0	.0	.0	590.8
(10YEAR)											
41.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
41.11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
41.31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
41.48	41.1	4.1	.0	14.8	16.5	.0	4.7	.0	.0	.0	81.2

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS

Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR37
DIFFUSION MODEL NODE NO. 37
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(11.1)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
43.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43.00	2.6	44.5	.0	49.3	24.7	.0	15.6	.0	.0	.0	136.8
43.00	7.9	137.5	.0	152.4	81.5	.0	47.8	.0	.0	.0	427.1
43.00	10.1	175.9	.0	194.8	108.7	.0	60.1	.0	.0	.0	549.6
43.00	12.7	219.8	.0	243.4	130.3	.0	70.9	.0	.0	.0	677.1
43.00	15.0	259.2	.0	287.1	148.6	.0	80.2	.0	.0	.0	790.0
(10YEAR)											
43.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
43.21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
43.40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
43.64	6.2	106.9	.0	118.4	59.4	.0	37.5	.0	.0	.0	328.3

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR37
DIFFUSION MODEL NODE NO. 37
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
43.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

43.00	23.1	44.5	.0	49.3	24.7	.0	15.6	.0	.0	.0	157.4
43.00	71.5	137.5	.0	152.4	81.5	.0	47.8	.0	.0	.0	490.7
43.00	91.4	175.9	.0	194.8	108.7	.0	60.1	.0	.0	.0	630.8
43.00	114.2	219.8	.0	243.4	130.3	.0	70.9	.0	.0	.0	778.6
43.00	134.7	259.2	.0	287.1	148.6	.0	80.2	.0	.0	.0	909.8
(10YEAR)											
43.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
43.21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
43.40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
43.64	55.5	106.9	.0	118.4	59.4	.0	37.5	.0	.0	.0	377.7

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR38
DIFFUSION MODEL NODE NO. 38
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
45.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.00	.0	83.9	.0	72.5	30.7	.0	22.9	.0	.0	.0	210.0
45.00	.0	259.2	.0	223.8	101.0	.0	70.2	.0	.0	.0	654.3
45.00	.0	331.4	.0	286.1	134.7	.0	88.3	.0	.0	.0	840.6
45.00	.0	414.2	.0	357.5	161.6	.0	104.2	.0	.0	.0	1037.5
45.00	.0	488.4	.0	421.7	184.2	.0	117.8	.0	.0	.0	1212.2
(10YEAR)											
45.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
45.11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
45.11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
45.31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE

Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR38
DIFFUSION MODEL NODE NO. 38
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
45.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.00	.0	83.9	.0	72.5	30.7	.0	22.9	.0	.0	.0	210.0
45.00	.0	259.2	.0	223.8	101.0	.0	70.2	.0	.0	.0	654.3
45.00	.0	331.4	.0	286.1	134.7	.0	88.3	.0	.0	.0	840.6
45.00	.0	414.2	.0	357.5	161.6	.0	104.2	.0	.0	.0	1037.5
45.00	.0	488.4	.0	421.7	184.2	.0	117.8	.0	.0	.0	1212.2
(10YEAR)											
45.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
45.11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
45.11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
45.31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR39
DIFFUSION MODEL NODE NO. 39
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	

48.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48.00	.0	36.1	.0	101.7	13.2	.0	32.2	.0	.0	.0	183.3
48.00	.0	111.5	.0	314.2	43.5	.0	98.6	.0	.0	.0	567.8
48.00	.0	142.6	.0	401.8	58.0	.0	124.0	.0	.0	.0	726.3
48.00	.0	178.2	.0	502.1	69.5	.0	146.3	.0	.0	.0	896.0
48.00	.0	210.1	.0	592.1	79.3	.0	165.5	.0	.0	.0	1047.0
(10YEAR)											
48.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
48.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
48.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
48.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR39
DIFFUSION MODEL NODE NO. 39
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
48.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48.00	.0	36.1	.0	101.7	13.2	.0	32.2	.0	.0	.0	183.3
48.00	.0	111.5	.0	314.2	43.5	.0	98.6	.0	.0	.0	567.8
48.00	.0	142.6	.0	401.8	58.0	.0	124.0	.0	.0	.0	726.3
48.00	.0	178.2	.0	502.1	69.5	.0	146.3	.0	.0	.0	896.0
48.00	.0	210.1	.0	592.1	79.3	.0	165.5	.0	.0	.0	1047.0
(10YEAR)											
48.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
48.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
48.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
48.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS

Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR40
DIFFUSION MODEL NODE NO. 40
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
52.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52.00	.0	24.0	.0	57.9	8.8	.0	18.3	.0	.0	.0	108.9
52.00	.0	74.1	.0	178.7	28.9	.0	56.1	.0	.0	.0	337.7
52.00	.0	94.7	.0	228.5	38.5	.0	70.5	.0	.0	.0	432.2
52.00	.0	118.3	.0	285.5	46.2	.0	83.2	.0	.0	.0	533.2
52.00	.0	139.6	.0	336.7	52.6	.0	94.1	.0	.0	.0	623.0
(10YEAR)											
52.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
52.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
52.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
52.19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR40
DIFFUSION MODEL NODE NO. 40
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
52.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

52.00	.0	24.0	.0	57.9	8.8	.0	18.3	.0	.0	.0	108.9
52.00	.0	74.1	.0	178.7	28.9	.0	56.1	.0	.0	.0	337.7
52.00	.0	94.7	.0	228.5	38.5	.0	70.5	.0	.0	.0	432.2
52.00	.0	118.3	.0	285.5	46.2	.0	83.2	.0	.0	.0	533.2
52.00	.0	139.6	.0	336.7	52.6	.0	94.1	.0	.0	.0	623.0
(10YEAR)											
52.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
52.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
52.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
52.19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR43
DIFFUSION MODEL NODE NO. 43
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(2.9)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
35.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.00	2.6	.0	.0	.0	32.4	.0	.0	.0	.0	.0	35.0
35.00	7.9	.0	.0	.0	106.7	.0	.0	.0	.0	.0	114.6
35.00	10.1	.0	.0	.0	142.2	.0	.0	.0	.0	.0	152.4
35.00	12.7	.0	.0	.0	170.6	.0	.0	.0	.0	.0	183.2
35.00	15.0	.0	.0	.0	194.5	.0	.0	.0	.0	.0	209.4
(10YEAR)											
35.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
35.17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
35.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
35.53	3.3	.0	.0	.0	42.1	.0	.0	.0	.0	.0	45.4

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE

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Damage category     COMM identified as COMMERCIAL STRUCTURE
Damage category   RESCON identified as RESIDENTIAL CONTENTS
Damage category    MHCON identified as MOBILE HOME CONTENTS
Damage category   COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category    OTHER identified as  OTHER DAMAGE CATEGORIES
1
   FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
   JOB NO: P81-194-015    FILE: BC90D.SID
   STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**


                                   Damage Reach   DR43
                         DIFFUSION MODEL NODE NO. 43
                                ( Damages are in $1,000 )

                                   Damage Categories
*****************************************************************************************************************
* Elevation*      SF *      MF *      MH *    COMM *  RESCON *   MHCON *  COMCON *   OTHER *         *         * Total  *
*----------*---------*---------*---------*---------*---------*---------*---------*---------*---------*---------*---------*
*    35.00 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *
*    35.00 *    88.6 *      .0 *      .0 *      .0 *    32.4 *      .0 *      .0 *      .0 *      .0 *      .0 *   121.0 *
*    35.00 *   273.6 *      .0 *      .0 *      .0 *   106.7 *      .0 *      .0 *      .0 *      .0 *      .0 *   380.3 *
*    35.00 *   349.9 *      .0 *      .0 *      .0 *   142.2 *      .0 *      .0 *      .0 *      .0 *      .0 *   492.1 *
*    35.00 *   437.2 *      .0 *      .0 *      .0 *   170.6 *      .0 *      .0 *      .0 *      .0 *      .0 *   607.8 *
*    35.00 *   515.6 *      .0 *      .0 *      .0 *   194.5 *      .0 *      .0 *      .0 *      .0 *      .0 *   710.1 *
*-----------------------------------------------------------------------------------------------------------------------*
*(10YEAR  )*         *         *         *         *         *         *         *         *         *         *         *
*    35.09 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *
*( 50 YEAR)*         *         *         *         *         *         *         *         *         *         *         *
*    35.17 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *
*(100 YEAR)*         *         *         *         *         *         *         *         *         *         *         *
*    35.16 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *
*(500 YEAR)*         *         *         *         *         *         *         *         *         *         *         *
*    35.53 *   115.2 *      .0 *      .0 *      .0 *    42.1 *      .0 *      .0 *      .0 *      .0 *      .0 *   157.3 *
*****************************************************************************************************************
Damage category      SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category      MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category      MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category    COMM identified as COMMERCIAL STRUCTURE
Damage category  RESCON identified as RESIDENTIAL CONTENTS
Damage category   MHCON identified as MOBILE HOME CONTENTS
Damage category  COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category   OTHER identified as  OTHER DAMAGE CATEGORIES
** Note **  damage category OTHER is not changed by sampling
1
   FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
   JOB NO: P81-194-015    FILE: BC90D.SID
   STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**


                                   Damage Reach   DR44
                         DIFFUSION MODEL NODE NO. 44
                                ( Damages are in $1,000 )

                                   Damage Categories
                                   (percent sampled)
*****************************************************************************************************************
*   Water  *      SF *      MF *      MH *    COMM *  RESCON *   MHCON *  COMCON *   OTHER *         *         *         *
*  Surface *         *         *         *         *         *         *         *         *         *         * Total  *
* Elevation* (  2.1) * (100.0) * (100.0) * (100.0) * (100.0) * (100.0) * (100.0) * (100.0) * (    .0) * (    .0) *         *
```

37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	2.6	.0	.0	.0	44.7	.0	.0	.0	.0	.0	47.3
37.00	7.9	.0	.0	.0	147.3	.0	.0	.0	.0	.0	155.2
37.00	10.1	.0	.0	.0	196.4	.0	.0	.0	.0	.0	206.6
37.00	12.7	.0	.0	.0	235.5	.0	.0	.0	.0	.0	248.2
37.00	15.0	.0	.0	.0	268.6	.0	.0	.0	.0	.0	283.5
(10YEAR)											
37.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
37.24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
37.22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
37.55	3.9	.0	.0	.0	67.1	.0	.0	.0	.0	.0	70.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR44
DIFFUSION MODEL NODE NO. 44
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	122.3	.0	.0	.0	44.7	.0	.0	.0	.0	.0	167.1
37.00	377.9	.0	.0	.0	147.3	.0	.0	.0	.0	.0	525.2
37.00	483.1	.0	.0	.0	196.4	.0	.0	.0	.0	.0	679.6
37.00	603.8	.0	.0	.0	235.5	.0	.0	.0	.0	.0	839.3
37.00	712.0	.0	.0	.0	268.6	.0	.0	.0	.0	.0	980.6
(10YEAR)											
37.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
37.24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
37.22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
37.55	183.5	.0	.0	.0	67.1	.0	.0	.0	.0	.0	250.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS

Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR45
DIFFUSION MODEL NODE NO. 45
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (2.3)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
40.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.00	.0	.0	1.4	.0	.0	17.7	.0	.0	.0	.0	19.2
40.00	.0	.0	4.4	.0	.0	98.0	.0	.0	.0	.0	102.5
40.00	.0	.0	5.7	.0	.0	174.4	.0	.0	.0	.0	180.1
40.00	.0	.0	7.1	.0	.0	248.8	.0	.0	.0	.0	255.9
(10YEAR)											
40.11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
40.30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
40.31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
40.61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR45
DIFFUSION MODEL NODE NO. 45
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
40.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

40.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.00	.0	.0	62.6	.0	.0	17.7	.0	.0	.0	.0	80.3
40.00	.0	.0	193.2	.0	.0	98.0	.0	.0	.0	.0	291.2
40.00	.0	.0	247.0	.0	.0	174.4	.0	.0	.0	.0	421.4
40.00	.0	.0	308.7	.0	.0	248.8	.0	.0	.0	.0	557.5
(10YEAR)											
40.11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
40.30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
40.31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
40.61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR46
DIFFUSION MODEL NODE NO. 46
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (1.4)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
42.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
42.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
42.00	.0	.0	1.4	.0	.0	29.2	.0	.0	.0	.0	30.6
42.00	.0	.0	4.4	.0	.0	161.1	.0	.0	.0	.0	165.5
42.00	.0	.0	5.7	.0	.0	286.5	.0	.0	.0	.0	292.2
42.00	.0	.0	7.1	.0	.0	408.7	.0	.0	.0	.0	415.8
(10YEAR)											
42.13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
42.71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
43.03	.0	.0	1.9	.0	.0	37.9	.0	.0	.0	.0	39.8
(500 YEAR)											
43.36	.0	.0	4.1	.0	.0	125.8	.0	.0	.0	.0	129.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE

Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR46
DIFFUSION MODEL NODE NO. 46
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
42.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
42.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
42.00	.0	.0	102.8	.0	.0	29.2	.0	.0	.0	.0	131.9
42.00	.0	.0	317.4	.0	.0	161.1	.0	.0	.0	.0	478.5
42.00	.0	.0	405.8	.0	.0	286.5	.0	.0	.0	.0	692.4
42.00	.0	.0	507.1	.0	.0	408.7	.0	.0	.0	.0	915.9
(10YEAR)											
42.13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
42.71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
43.03	.0	.0	133.6	.0	.0	37.9	.0	.0	.0	.0	171.5
(500 YEAR)											
43.36	.0	.0	293.2	.0	.0	125.8	.0	.0	.0	.0	419.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR47
DIFFUSION MODEL NODE NO. 47
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(100.0)	(100.0)	(1.2)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	

45.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.00	.0	.0	1.4	.0	.0	34.0	.0	.0	.0	.0	35.5
45.00	.0	.0	4.4	.0	.0	187.9	.0	.0	.0	.0	192.4
45.00	.0	.0	5.7	.0	.0	334.3	.0	.0	.0	.0	340.0
45.00	.0	.0	7.1	.0	.0	476.8	.0	.0	.0	.0	483.9
(10YEAR)											
45.24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
46.27	.0	.0	3.9	.0	.0	120.3	.0	.0	.0	.0	124.2
(100 YEAR)											
46.45	.0	.0	4.3	.0	.0	173.2	.0	.0	.0	.0	177.6
(500 YEAR)											
46.86	.0	.0	5.3	.0	.0	293.8	.0	.0	.0	.0	299.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR47
DIFFUSION MODEL NODE NO. 47
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
45.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.00	.0	.0	119.9	.0	.0	34.0	.0	.0	.0	.0	153.9
45.00	.0	.0	370.3	.0	.0	187.9	.0	.0	.0	.0	558.2
45.00	.0	.0	473.5	.0	.0	334.3	.0	.0	.0	.0	807.8
45.00	.0	.0	591.7	.0	.0	476.8	.0	.0	.0	.0	1068.5
(10YEAR)											
45.24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
46.27	.0	.0	323.9	.0	.0	120.3	.0	.0	.0	.0	444.3
(100 YEAR)											
46.45	.0	.0	360.2	.0	.0	173.2	.0	.0	.0	.0	533.5
(500 YEAR)											
46.86	.0	.0	442.9	.0	.0	293.8	.0	.0	.0	.0	736.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS

Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR48
DIFFUSION MODEL NODE NO. 48
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
48.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48.00	.0	69.4	.0	37.0	25.4	.0	11.7	.0	.0	.0	143.5
48.00	.0	214.5	.0	114.3	83.6	.0	35.9	.0	.0	.0	448.2
48.00	.0	274.2	.0	146.1	111.5	.0	45.1	.0	.0	.0	576.9
48.00	.0	342.7	.0	182.6	133.7	.0	53.2	.0	.0	.0	712.1
48.00	.0	404.1	.0	215.3	152.4	.0	60.2	.0	.0	.0	832.0
(10YEAR)											
48.60	.0	138.9	.0	74.0	50.8	.0	23.4	.0	.0	.0	287.1
(50 YEAR)											
49.50	.0	274.2	.0	146.1	111.5	.0	45.1	.0	.0	.0	576.9
(100 YEAR)											
49.69	.0	299.4	.0	159.5	120.5	.0	48.3	.0	.0	.0	627.6
(500 YEAR)											
50.16	.0	365.0	.0	194.5	140.5	.0	55.7	.0	.0	.0	755.7

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR48
DIFFUSION MODEL NODE NO. 48
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
48.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

48.00	.0	69.4	.0	37.0	25.4	.0	11.7	.0	.0	.0	143.5
48.00	.0	214.5	.0	114.3	83.6	.0	35.9	.0	.0	.0	448.2
48.00	.0	274.2	.0	146.1	111.5	.0	45.1	.0	.0	.0	576.9
48.00	.0	342.7	.0	182.6	133.7	.0	53.2	.0	.0	.0	712.1
48.00	.0	404.1	.0	215.3	152.4	.0	60.2	.0	.0	.0	832.0
(10YEAR)											
48.60	.0	138.9	.0	74.0	50.8	.0	23.4	.0	.0	.0	287.1
(50 YEAR)											
49.50	.0	274.2	.0	146.1	111.5	.0	45.1	.0	.0	.0	576.9
(100 YEAR)											
49.69	.0	299.4	.0	159.5	120.5	.0	48.3	.0	.0	.0	627.6
(500 YEAR)											
50.16	.0	365.0	.0	194.5	140.5	.0	55.7	.0	.0	.0	755.7

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR51
DIFFUSION MODEL NODE NO. 51
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (2.6)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
33.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33.00	2.6	.0	.0	.0	36.1	.0	.0	.0	.0	.0	38.7
33.00	7.9	.0	.0	.0	119.0	.0	.0	.0	.0	.0	126.9
33.00	10.1	.0	.0	.0	158.6	.0	.0	.0	.0	.0	168.8
33.00	12.7	.0	.0	.0	190.2	.0	.0	.0	.0	.0	202.9
33.00	15.0	.0	.0	.0	216.9	.0	.0	.0	.0	.0	231.9
(10YEAR)											
33.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
33.23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
33.24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
33.26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE

Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR51
DIFFUSION MODEL NODE NO. 51
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
33.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33.00	98.8	.0	.0	.0	36.1	.0	.0	.0	.0	.0	134.9
33.00	305.2	.0	.0	.0	119.0	.0	.0	.0	.0	.0	424.2
33.00	390.2	.0	.0	.0	158.6	.0	.0	.0	.0	.0	548.9
33.00	487.6	.0	.0	.0	190.2	.0	.0	.0	.0	.0	677.9
33.00	575.1	.0	.0	.0	216.9	.0	.0	.0	.0	.0	792.0
(10YEAR)											
33.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
33.23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
33.24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
33.26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR52
DIFFUSION MODEL NODE NO. 52
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
(2.6)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	

35.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.00	2.6	.0	.0	.0	36.1	.0	.0	.0	.0	.0	38.7
35.00	7.9	.0	.0	.0	119.0	.0	.0	.0	.0	.0	126.9
35.00	10.1	.0	.0	.0	158.6	.0	.0	.0	.0	.0	168.8
35.00	12.7	.0	.0	.0	190.2	.0	.0	.0	.0	.0	202.9
35.00	15.0	.0	.0	.0	216.9	.0	.0	.0	.0	.0	231.9
(10YEAR)											
35.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
35.51	2.8	.0	.0	.0	39.7	.0	.0	.0	.0	.0	42.6
(100 YEAR)											
35.55	3.9	.0	.0	.0	54.2	.0	.0	.0	.0	.0	58.0
(500 YEAR)											
35.97	7.8	.0	.0	.0	116.5	.0	.0	.0	.0	.0	124.3

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR52
DIFFUSION MODEL NODE NO. 52
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
35.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.00	98.8	.0	.0	.0	36.1	.0	.0	.0	.0	.0	134.9
35.00	305.2	.0	.0	.0	119.0	.0	.0	.0	.0	.0	424.2
35.00	390.2	.0	.0	.0	158.6	.0	.0	.0	.0	.0	548.9
35.00	487.6	.0	.0	.0	190.2	.0	.0	.0	.0	.0	677.9
35.00	575.1	.0	.0	.0	216.9	.0	.0	.0	.0	.0	792.0
(10YEAR)											
35.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
35.51	108.7	.0	.0	.0	39.7	.0	.0	.0	.0	.0	148.4
(100 YEAR)											
35.55	148.2	.0	.0	.0	54.2	.0	.0	.0	.0	.0	202.4
(500 YEAR)											
35.97	300.2	.0	.0	.0	116.5	.0	.0	.0	.0	.0	416.7

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS

Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR53
DIFFUSION MODEL NODE NO. 53
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (1.4)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	.0	.0	1.4	.0	.0	29.2	.0	.0	.0	.0	30.6
37.00	.0	.0	4.4	.0	.0	161.1	.0	.0	.0	.0	165.5
37.00	.0	.0	5.7	.0	.0	286.5	.0	.0	.0	.0	292.2
37.00	.0	.0	7.1	.0	.0	408.7	.0	.0	.0	.0	415.8
(10YEAR)											
37.14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
37.91	.0	.0	.1	.0	.0	2.9	.0	.0	.0	.0	3.1
(100 YEAR)											
38.32	.0	.0	4.0	.0	.0	115.7	.0	.0	.0	.0	119.7
(500 YEAR)											
38.64	.0	.0	4.8	.0	.0	196.4	.0	.0	.0	.0	201.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR53
DIFFUSION MODEL NODE NO. 53
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	.0	.0	102.8	.0	.0	29.2	.0	.0	.0	.0	131.9
37.00	.0	.0	317.4	.0	.0	161.1	.0	.0	.0	.0	478.5
37.00	.0	.0	405.8	.0	.0	286.5	.0	.0	.0	.0	692.4
37.00	.0	.0	507.1	.0	.0	408.7	.0	.0	.0	.0	915.9
(10YEAR)											
37.14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
37.91	.0	.0	10.3	.0	.0	2.9	.0	.0	.0	.0	13.2
(100 YEAR)											
38.32	.0	.0	286.3	.0	.0	115.7	.0	.0	.0	.0	402.0
(500 YEAR)											
38.64	.0	.0	341.6	.0	.0	196.4	.0	.0	.0	.0	537.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR54
DIFFUSION MODEL NODE NO. 54
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (2.6)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
39.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39.00	2.6	.0	.0	.0	36.1	.0	.0	.0	.0	.0	38.7
39.00	7.9	.0	.0	.0	119.0	.0	.0	.0	.0	.0	126.9
39.00	10.1	.0	.0	.0	158.6	.0	.0	.0	.0	.0	168.8
39.00	12.7	.0	.0	.0	190.2	.0	.0	.0	.0	.0	202.9
39.00	15.0	.0	.0	.0	216.9	.0	.0	.0	.0	.0	231.9
(10YEAR)											
39.20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
40.12	8.5	.0	.0	.0	128.8	.0	.0	.0	.0	.0	137.3
(100 YEAR)											
40.48	10.0	.0	.0	.0	157.3	.0	.0	.0	.0	.0	167.3
(500 YEAR)											
40.84	11.9	.0	.0	.0	180.5	.0	.0	.0	.0	.0	192.4

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE

Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR54
DIFFUSION MODEL NODE NO. 54
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
39.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39.00	98.8	.0	.0	.0	36.1	.0	.0	.0	.0	.0	134.9
39.00	305.2	.0	.0	.0	119.0	.0	.0	.0	.0	.0	424.2
39.00	390.2	.0	.0	.0	158.6	.0	.0	.0	.0	.0	548.9
39.00	487.6	.0	.0	.0	190.2	.0	.0	.0	.0	.0	677.9
39.00	575.1	.0	.0	.0	216.9	.0	.0	.0	.0	.0	792.0
(10YEAR)											
39.20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
40.12	325.1	.0	.0	.0	128.8	.0	.0	.0	.0	.0	453.9
(100 YEAR)											
40.48	386.5	.0	.0	.0	157.3	.0	.0	.0	.0	.0	543.8
(500 YEAR)											
40.84	455.8	.0	.0	.0	180.5	.0	.0	.0	.0	.0	636.4

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR55
DIFFUSION MODEL NODE NO. 55
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	

43.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43.00	.0	104.6	.0	.0	38.2	.0	.0	.0	.0	.0	142.9
43.00	.0	323.1	.0	.0	126.0	.0	.0	.0	.0	.0	449.1
43.00	.0	413.1	.0	.0	168.0	.0	.0	.0	.0	.0	581.1
43.00	.0	516.3	.0	.0	201.4	.0	.0	.0	.0	.0	717.7
43.00	.0	608.9	.0	.0	229.7	.0	.0	.0	.0	.0	838.5
(10YEAR)											
43.13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
43.21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
43.26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
43.51	.0	115.1	.0	.0	42.1	.0	.0	.0	.0	.0	157.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR55
DIFFUSION MODEL NODE NO. 55
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
43.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43.00	.0	104.6	.0	.0	38.2	.0	.0	.0	.0	.0	142.9
43.00	.0	323.1	.0	.0	126.0	.0	.0	.0	.0	.0	449.1
43.00	.0	413.1	.0	.0	168.0	.0	.0	.0	.0	.0	581.1
43.00	.0	516.3	.0	.0	201.4	.0	.0	.0	.0	.0	717.7
43.00	.0	608.9	.0	.0	229.7	.0	.0	.0	.0	.0	838.5
(10YEAR)											
43.13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
43.21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
43.26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
43.51	.0	115.1	.0	.0	42.1	.0	.0	.0	.0	.0	157.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS

Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR56
DIFFUSION MODEL NODE NO. 56
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(11.1)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
44.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
44.00	2.6	83.9	.0	62.9	39.1	.0	19.9	.0	.0	.0	208.4
44.00	7.9	259.2	.0	194.2	128.9	.0	61.0	.0	.0	.0	651.3
44.00	10.1	331.4	.0	248.4	171.9	.0	76.6	.0	.0	.0	838.5
44.00	12.7	414.2	.0	310.4	206.1	.0	90.4	.0	.0	.0	1033.8
44.00	15.0	488.4	.0	366.0	235.1	.0	102.3	.0	.0	.0	1206.8
(10YEAR)											
44.22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
44.68	6.6	214.1	.0	160.4	100.5	.0	50.7	.0	.0	.0	532.3
(100 YEAR)											
44.94	7.7	250.7	.0	187.9	123.6	.0	59.0	.0	.0	.0	629.0
(500 YEAR)											
45.43	9.8	320.4	.0	240.1	166.7	.0	74.6	.0	.0	.0	811.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR56
DIFFUSION MODEL NODE NO. 56
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
44.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

44.00	23.1	83.9	.0	62.9	39.1	.0	19.9	.0	.0	.0	229.0
44.00	71.5	259.2	.0	194.2	128.9	.0	61.0	.0	.0	.0	714.8
44.00	91.4	331.4	.0	248.4	171.9	.0	76.6	.0	.0	.0	919.7
44.00	114.2	414.2	.0	310.4	206.1	.0	90.4	.0	.0	.0	1135.3
44.00	134.7	488.4	.0	366.0	235.1	.0	102.3	.0	.0	.0	1326.5
(10YEAR)											
44.22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
44.68	59.0	214.1	.0	160.4	100.5	.0	50.7	.0	.0	.0	584.7
(100 YEAR)											
44.94	69.2	250.7	.0	187.9	123.6	.0	59.0	.0	.0	.0	690.4
(500 YEAR)											
45.43	88.4	320.4	.0	240.1	166.7	.0	74.6	.0	.0	.0	890.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR58
DIFFUSION MODEL NODE NO. 58
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (1.4)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
27.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27.00	.0	.0	1.4	.0	.0	29.2	.0	.0	.0	.0	30.6
27.00	.0	.0	4.4	.0	.0	161.1	.0	.0	.0	.0	165.5
27.00	.0	.0	5.7	.0	.0	286.5	.0	.0	.0	.0	292.2
27.00	.0	.0	7.1	.0	.0	408.7	.0	.0	.0	.0	415.8
(10YEAR)											
27.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
27.47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
27.60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
27.94	.0	.0	.6	.0	.0	11.7	.0	.0	.0	.0	12.2

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE

Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR58
DIFFUSION MODEL NODE NO. 58
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
27.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27.00	.0	.0	102.8	.0	.0	29.2	.0	.0	.0	.0	131.9
27.00	.0	.0	317.4	.0	.0	161.1	.0	.0	.0	.0	478.5
27.00	.0	.0	405.8	.0	.0	286.5	.0	.0	.0	.0	692.4
27.00	.0	.0	507.1	.0	.0	408.7	.0	.0	.0	.0	915.9
(10YEAR)											
27.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
27.47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
27.60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
27.94	.0	.0	41.1	.0	.0	11.7	.0	.0	.0	.0	52.8

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR59
DIFFUSION MODEL NODE NO. 59
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
(2.1)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	

30.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.00	2.6	.0	.0	.0	44.7	.0	.0	.0	.0	.0	47.3
30.00	7.9	.0	.0	.0	147.3	.0	.0	.0	.0	.0	155.2
30.00	10.1	.0	.0	.0	196.4	.0	.0	.0	.0	.0	206.6
30.00	12.7	.0	.0	.0	235.5	.0	.0	.0	.0	.0	248.2
30.00	15.0	.0	.0	.0	268.6	.0	.0	.0	.0	.0	283.5
(10YEAR)											
30.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
30.70	6.6	.0	.0	.0	116.9	.0	.0	.0	.0	.0	123.5
(100 YEAR)											
30.81	7.1	.0	.0	.0	128.0	.0	.0	.0	.0	.0	135.1
(500 YEAR)											
31.19	8.8	.0	.0	.0	166.6	.0	.0	.0	.0	.0	175.3

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR59
DIFFUSION MODEL NODE NO. 59
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
30.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.00	122.3	.0	.0	.0	44.7	.0	.0	.0	.0	.0	167.1
30.00	377.9	.0	.0	.0	147.3	.0	.0	.0	.0	.0	525.2
30.00	483.1	.0	.0	.0	196.4	.0	.0	.0	.0	.0	679.6
30.00	603.8	.0	.0	.0	235.5	.0	.0	.0	.0	.0	839.3
30.00	712.0	.0	.0	.0	268.6	.0	.0	.0	.0	.0	980.6
(10YEAR)											
30.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
30.70	316.1	.0	.0	.0	116.9	.0	.0	.0	.0	.0	433.0
(100 YEAR)											
30.81	338.8	.0	.0	.0	128.0	.0	.0	.0	.0	.0	466.8
(500 YEAR)											
31.19	416.9	.0	.0	.0	166.6	.0	.0	.0	.0	.0	583.5

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS

Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR60
DIFFUSION MODEL NODE NO. 60
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(2.2)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
32.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
32.00	2.6	.0	.0	.0	42.7	.0	.0	.0	.0	.0	45.3
32.00	7.9	.0	.0	.0	140.6	.0	.0	.0	.0	.0	148.5
32.00	10.1	.0	.0	.0	187.5	.0	.0	.0	.0	.0	197.6
32.00	12.7	.0	.0	.0	224.8	.0	.0	.0	.0	.0	237.5
32.00	15.0	.0	.0	.0	256.4	.0	.0	.0	.0	.0	271.3
(10YEAR)											
32.15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
33.10	8.4	.0	.0	.0	150.3	.0	.0	.0	.0	.0	158.7
(100 YEAR)											
33.34	9.4	.0	.0	.0	173.5	.0	.0	.0	.0	.0	182.9
(500 YEAR)											
33.77	11.5	.0	.0	.0	208.4	.0	.0	.0	.0	.0	219.8

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR60
DIFFUSION MODEL NODE NO. 60
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
32.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

32.00	116.8	.0	.0	.0	42.7	.0	.0	.0	.0	.0	159.5
32.00	360.7	.0	.0	.0	140.6	.0	.0	.0	.0	.0	501.3
32.00	461.2	.0	.0	.0	187.5	.0	.0	.0	.0	.0	648.7
32.00	576.3	.0	.0	.0	224.8	.0	.0	.0	.0	.0	801.1
32.00	679.7	.0	.0	.0	256.4	.0	.0	.0	.0	.0	936.0
(10YEAR)											
32.15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
33.10	380.3	.0	.0	.0	150.3	.0	.0	.0	.0	.0	530.6
(100 YEAR)											
33.34	427.4	.0	.0	.0	173.5	.0	.0	.0	.0	.0	601.0
(500 YEAR)											
33.77	522.3	.0	.0	.0	208.4	.0	.0	.0	.0	.0	730.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR61
DIFFUSION MODEL NODE NO. 61
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (6.7)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
35.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.00	2.6	41.1	.0	.0	29.0	.0	.0	.0	.0	.0	72.7
35.00	7.9	127.0	.0	.0	95.7	.0	.0	.0	.0	.0	230.6
35.00	10.1	162.3	.0	.0	127.6	.0	.0	.0	.0	.0	300.0
35.00	12.7	202.9	.0	.0	153.0	.0	.0	.0	.0	.0	368.5
35.00	15.0	239.2	.0	.0	174.4	.0	.0	.0	.0	.0	428.6
(10YEAR)											
35.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
35.80	7.1	113.1	.0	.0	82.5	.0	.0	.0	.0	.0	202.7
(100 YEAR)											
35.92	7.6	121.4	.0	.0	90.4	.0	.0	.0	.0	.0	219.4
(500 YEAR)											
36.23	8.9	142.9	.0	.0	110.8	.0	.0	.0	.0	.0	262.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE

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Damage category     COMM identified as COMMERCIAL STRUCTURE
Damage category   RESCON identified as RESIDENTIAL CONTENTS
Damage category    MHCON identified as MOBILE HOME CONTENTS
Damage category   COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category    OTHER identified as  OTHER DAMAGE CATEGORIES
1
   FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
   JOB NO: P81-194-015    FILE: BC90D.SID
   STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**


                                   Damage Reach   DR61
                         DIFFUSION MODEL NODE NO. 61
                                ( Damages are in $1,000 )

                                   Damage Categories
*****************************************************************************************************************
* Elevation*     SF *     MF *     MH *    COMM * RESCON *  MHCON * COMCON *  OTHER *        *        * Total  *
*----------*--------*--------*--------*--------*--------*--------*--------*--------*--------*--------*--------*
*   35.00 *     .0 *     .0 *     .0 *     .0 *     .0 *     .0 *     .0 *     .0 *     .0 *     .0 *     .0 *
*   35.00 *    38.3 *   41.1 *     .0 *     .0 *   29.0 *     .0 *     .0 *     .0 *     .0 *     .0 *   108.5 *
*   35.00 *   118.4 *  127.0 *     .0 *     .0 *   95.7 *     .0 *     .0 *     .0 *     .0 *     .0 *   341.1 *
*   35.00 *   151.4 *  162.3 *     .0 *     .0 *  127.6 *     .0 *     .0 *     .0 *     .0 *     .0 *   441.3 *
*   35.00 *   189.2 *  202.9 *     .0 *     .0 *  153.0 *     .0 *     .0 *     .0 *     .0 *     .0 *   545.1 *
*   35.00 *   223.2 *  239.2 *     .0 *     .0 *  174.4 *     .0 *     .0 *     .0 *     .0 *     .0 *   636.8 *
*-----------------------------------------------------------------------------------------------------------------*
*(10YEAR  )*        *        *        *        *        *        *        *        *        *        *        *
*   35.12 *     .0 *     .0 *     .0 *     .0 *     .0 *     .0 *     .0 *     .0 *     .0 *     .0 *     .0 *
*( 50 YEAR)*        *        *        *        *        *        *        *        *        *        *        *
*   35.80 *   105.5 *  113.1 *     .0 *     .0 *   82.5 *     .0 *     .0 *     .0 *     .0 *     .0 *   301.2 *
*(100 YEAR)*        *        *        *        *        *        *        *        *        *        *        *
*   35.92 *   113.3 *  121.4 *     .0 *     .0 *   90.4 *     .0 *     .0 *     .0 *     .0 *     .0 *   325.1 *
*(500 YEAR)*        *        *        *        *        *        *        *        *        *        *        *
*   36.23 *   133.3 *  142.9 *     .0 *     .0 *  110.8 *     .0 *     .0 *     .0 *     .0 *     .0 *   386.9 *
*****************************************************************************************************************
Damage category      SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category      MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category      MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category    COMM identified as COMMERCIAL STRUCTURE
Damage category   RESCON identified as RESIDENTIAL CONTENTS
Damage category    MHCON identified as MOBILE HOME CONTENTS
Damage category   COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category    OTHER identified as  OTHER DAMAGE CATEGORIES
** Note **  damage category OTHER is not changed by sampling
1
   FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
   JOB NO: P81-194-015    FILE: BC90D.SID
   STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**


                                   Damage Reach   DR62
                         DIFFUSION MODEL NODE NO. 62
                                ( Damages are in $1,000 )

                                   Damage Categories
                                   (percent sampled)
*****************************************************************************************************************
*   Water  *     SF *     MF *     MH *    COMM * RESCON *  MHCON * COMCON *  OTHER *        *        *        *
*  Surface *        *        *        *        *        *        *        *        *        *        * Total  *
* Elevation* (  1.7) * (100.0) * (100.0) * (100.0) * (100.0) * (100.0) * (100.0) * (100.0) * (   .0) * (   .0) *        *
```

39.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39.00	2.6	.0	.0	.0	55.2	.0	.0	.0	.0	.0	57.8
39.00	7.9	.0	.0	.0	182.0	.0	.0	.0	.0	.0	189.9
39.00	10.1	.0	.0	.0	242.6	.0	.0	.0	.0	.0	252.8
39.00	12.7	.0	.0	.0	291.0	.0	.0	.0	.0	.0	303.6
39.00	15.0	.0	.0	.0	331.8	.0	.0	.0	.0	.0	346.7
(10YEAR)											
39.11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
39.37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
39.38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
39.58	4.6	.0	.0	.0	99.4	.0	.0	.0	.0	.0	104.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR62
DIFFUSION MODEL NODE NO. 62
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
39.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39.00	151.1	.0	.0	.0	55.2	.0	.0	.0	.0	.0	206.4
39.00	466.8	.0	.0	.0	182.0	.0	.0	.0	.0	.0	648.7
39.00	596.8	.0	.0	.0	242.6	.0	.0	.0	.0	.0	839.5
39.00	745.8	.0	.0	.0	291.0	.0	.0	.0	.0	.0	1036.8
39.00	879.6	.0	.0	.0	331.8	.0	.0	.0	.0	.0	1211.3
(10YEAR)											
39.11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
39.37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
39.38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
39.58	272.0	.0	.0	.0	99.4	.0	.0	.0	.0	.0	371.5

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS

Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR63
DIFFUSION MODEL NODE NO. 63
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
40.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.00	.0	138.8	.0	.0	50.8	.0	.0	.0	.0	.0	189.6
40.00	.0	428.8	.0	.0	167.2	.0	.0	.0	.0	.0	596.0
40.00	.0	548.3	.0	.0	222.9	.0	.0	.0	.0	.0	771.2
40.00	.0	685.2	.0	.0	267.3	.0	.0	.0	.0	.0	952.5
40.00	.0	808.0	.0	.0	304.8	.0	.0	.0	.0	.0	1112.8
(10YEAR)											
40.18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
40.72	.0	363.4	.0	.0	134.9	.0	.0	.0	.0	.0	498.4
(100 YEAR)											
40.87	.0	398.5	.0	.0	152.2	.0	.0	.0	.0	.0	550.7
(500 YEAR)											
41.25	.0	487.2	.0	.0	195.9	.0	.0	.0	.0	.0	683.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR63
DIFFUSION MODEL NODE NO. 63
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
40.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

40.00	.0	138.8	.0	.0	50.8	.0	.0	.0	.0	.0	189.6
40.00	.0	428.8	.0	.0	167.2	.0	.0	.0	.0	.0	596.0
40.00	.0	548.3	.0	.0	222.9	.0	.0	.0	.0	.0	771.2
40.00	.0	685.2	.0	.0	267.3	.0	.0	.0	.0	.0	952.5
40.00	.0	808.0	.0	.0	304.8	.0	.0	.0	.0	.0	1112.8
(10YEAR)											
40.18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
40.72	.0	363.4	.0	.0	134.9	.0	.0	.0	.0	.0	498.4
(100 YEAR)											
40.87	.0	398.5	.0	.0	152.2	.0	.0	.0	.0	.0	550.7
(500 YEAR)											
41.25	.0	487.2	.0	.0	195.9	.0	.0	.0	.0	.0	683.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR64
DIFFUSION MODEL NODE NO. 64
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (33.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
41.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41.00	2.6	54.3	.0	26.1	22.7	.0	8.3	.0	.0	.0	114.0
41.00	7.9	167.8	.0	80.6	74.8	.0	25.3	.0	.0	.0	356.4
41.00	10.1	214.6	.0	103.1	99.7	.0	31.8	.0	.0	.0	459.3
41.00	12.7	268.1	.0	128.8	119.6	.0	37.5	.0	.0	.0	566.7
41.00	15.0	316.2	.0	151.9	136.4	.0	42.5	.0	.0	.0	661.9
(10YEAR)											
41.28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
42.24	9.0	189.7	.0	91.2	87.1	.0	28.5	.0	.0	.0	405.5
(100 YEAR)											
42.56	10.4	220.7	.0	106.0	102.3	.0	32.5	.0	.0	.0	472.0
(500 YEAR)											
43.02	12.8	270.3	.0	129.9	120.4	.0	37.8	.0	.0	.0	571.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE

Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR64
DIFFUSION MODEL NODE NO. 64
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
41.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41.00	7.8	54.3	.0	26.1	22.7	.0	8.3	.0	.0	.0	119.2
41.00	24.0	167.8	.0	80.6	74.8	.0	25.3	.0	.0	.0	372.6
41.00	30.7	214.6	.0	103.1	99.7	.0	31.8	.0	.0	.0	479.9
41.00	38.4	268.1	.0	128.8	119.6	.0	37.5	.0	.0	.0	592.5
41.00	45.3	316.2	.0	151.9	136.4	.0	42.5	.0	.0	.0	692.2
(10YEAR)											
41.28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
42.24	27.2	189.7	.0	91.2	87.1	.0	28.5	.0	.0	.0	423.7
(100 YEAR)											
42.56	31.6	220.7	.0	106.0	102.3	.0	32.5	.0	.0	.0	493.2
(500 YEAR)											
43.02	38.7	270.3	.0	129.9	120.4	.0	37.8	.0	.0	.0	597.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR65
DIFFUSION MODEL NODE NO. 65
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
(16.7)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	

23.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23.00	2.6	27.1	.0	24.4	15.5	.0	8.9	.0	.0	.0	78.5
23.00	7.9	83.7	.0	75.2	51.1	.0	29.3	.0	.0	.0	247.3
23.00	10.1	107.0	.0	96.2	68.2	.0	39.1	.0	.0	.0	320.6
23.00	12.7	133.7	.0	120.2	81.8	.0	46.9	.0	.0	.0	395.3
23.00	15.0	157.7	.0	141.7	93.3	.0	53.5	.0	.0	.0	461.1
(10YEAR)											
23.01	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
23.06	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
23.08	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
23.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR65
DIFFUSION MODEL NODE NO. 65
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
23.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23.00	15.4	27.1	.0	24.4	15.5	.0	8.9	.0	.0	.0	91.3
23.00	47.5	83.7	.0	75.2	51.1	.0	29.3	.0	.0	.0	286.9
23.00	60.8	107.0	.0	96.2	68.2	.0	39.1	.0	.0	.0	371.2
23.00	75.9	133.7	.0	120.2	81.8	.0	46.9	.0	.0	.0	458.5
23.00	89.5	157.7	.0	141.7	93.3	.0	53.5	.0	.0	.0	535.7
(10YEAR)											
23.01	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
23.06	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
23.08	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
23.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS

Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR66
DIFFUSION MODEL NODE NO. 66
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (50.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
25.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.00	2.6	86.0	.0	.0	33.3	.0	.0	.0	.0	.0	121.9
25.00	7.9	265.6	.0	.0	109.7	.0	.0	.0	.0	.0	383.2
25.00	10.1	339.5	.0	.0	146.3	.0	.0	.0	.0	.0	496.0
25.00	12.7	424.3	.0	.0	175.4	.0	.0	.0	.0	.0	612.4
25.00	15.0	500.4	.0	.0	200.0	.0	.0	.0	.0	.0	715.4
(10YEAR)											
25.11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
26.49	10.1	337.9	.0	.0	145.7	.0	.0	.0	.0	.0	493.7
(100 YEAR)											
26.81	11.7	391.5	.0	.0	164.8	.0	.0	.0	.0	.0	568.0
(500 YEAR)											
27.42	14.8	494.9	.0	.0	198.2	.0	.0	.0	.0	.0	707.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR66
DIFFUSION MODEL NODE NO. 66
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
25.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

25.00	5.1	86.0	.0	.0	33.3	.0	.0	.0	.0	.0	124.4
25.00	15.9	265.6	.0	.0	109.7	.0	.0	.0	.0	.0	391.1
25.00	20.3	339.5	.0	.0	146.3	.0	.0	.0	.0	.0	506.1
25.00	25.4	424.3	.0	.0	175.4	.0	.0	.0	.0	.0	625.1
25.00	29.9	500.4	.0	.0	200.0	.0	.0	.0	.0	.0	730.4
(10YEAR)											
25.11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
26.49	20.2	337.9	.0	.0	145.7	.0	.0	.0	.0	.0	503.8
(100 YEAR)											
26.81	23.4	391.5	.0	.0	164.8	.0	.0	.0	.0	.0	579.7
(500 YEAR)											
27.42	29.6	494.9	.0	.0	198.2	.0	.0	.0	.0	.0	722.7

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR67
DIFFUSION MODEL NODE NO. 67
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(11.1)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
28.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28.00	2.6	96.8	.0	.0	43.9	.0	.0	.0	.0	.0	143.3
28.00	7.9	299.1	.0	.0	144.5	.0	.0	.0	.0	.0	451.5
28.00	10.1	382.4	.0	.0	192.6	.0	.0	.0	.0	.0	585.2
28.00	12.7	477.9	.0	.0	231.0	.0	.0	.0	.0	.0	721.6
28.00	15.0	563.6	.0	.0	263.4	.0	.0	.0	.0	.0	842.0
(10YEAR)											
28.14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
28.83	7.2	271.4	.0	.0	127.6	.0	.0	.0	.0	.0	406.2
(100 YEAR)											
29.16	8.6	325.2	.0	.0	160.4	.0	.0	.0	.0	.0	494.2
(500 YEAR)											
29.52	10.2	386.1	.0	.0	194.3	.0	.0	.0	.0	.0	590.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE

Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR67
DIFFUSION MODEL NODE NO. 67
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
28.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28.00	23.1	96.8	.0	.0	43.9	.0	.0	.0	.0	.0	163.9
28.00	71.5	299.1	.0	.0	144.5	.0	.0	.0	.0	.0	515.0
28.00	91.4	382.4	.0	.0	192.6	.0	.0	.0	.0	.0	666.5
28.00	114.2	477.9	.0	.0	231.0	.0	.0	.0	.0	.0	823.1
28.00	134.7	563.6	.0	.0	263.4	.0	.0	.0	.0	.0	961.7
(10YEAR)											
28.14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
28.83	64.9	271.4	.0	.0	127.6	.0	.0	.0	.0	.0	463.8
(100 YEAR)											
29.16	77.7	325.2	.0	.0	160.4	.0	.0	.0	.0	.0	563.2
(500 YEAR)											
29.52	92.3	386.1	.0	.0	194.3	.0	.0	.0	.0	.0	672.7

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR68
DIFFUSION MODEL NODE NO. 68
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(100.0)	(100.0)	(5.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	

31.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31.00	.0	68.5	.0	.0	25.0	.0	.0	.0	.0	.0	93.6
31.00	.0	211.6	1.4	.0	82.5	8.2	.0	.0	.0	.0	303.7
31.00	.0	270.6	4.4	.0	110.0	45.1	.0	.0	.0	.0	430.1
31.00	.0	338.1	5.7	.0	131.9	80.2	.0	.0	.0	.0	555.9
31.00	.0	398.7	7.1	.0	150.4	114.4	.0	.0	.0	.0	670.7
(10YEAR)											
31.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
31.80	.0	188.6	.0	.0	71.1	.0	.0	.0	.0	.0	259.7
(100 YEAR)											
31.92	.0	202.4	.3	.0	77.9	1.6	.0	.0	.0	.0	282.2
(500 YEAR)											
32.30	.0	246.2	4.0	.0	99.5	31.0	.0	.0	.0	.0	380.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR68
DIFFUSION MODEL NODE NO. 68
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
31.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31.00	.0	68.5	.0	.0	25.0	.0	.0	.0	.0	.0	93.6
31.00	.0	211.6	28.8	.0	82.5	8.2	.0	.0	.0	.0	331.0
31.00	.0	270.6	88.9	.0	110.0	45.1	.0	.0	.0	.0	514.5
31.00	.0	338.1	113.6	.0	131.9	80.2	.0	.0	.0	.0	663.9
31.00	.0	398.7	142.0	.0	150.4	114.4	.0	.0	.0	.0	805.6
(10YEAR)											
31.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
31.80	.0	188.6	.0	.0	71.1	.0	.0	.0	.0	.0	259.7
(100 YEAR)											
31.92	.0	202.4	5.8	.0	77.9	1.6	.0	.0	.0	.0	287.7
(500 YEAR)											
32.30	.0	246.2	79.2	.0	99.5	31.0	.0	.0	.0	.0	455.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS

Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR69
DIFFUSION MODEL NODE NO. 69
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
34.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34.00	.0	164.4	.0	.0	60.1	.0	.0	.0	.0	.0	224.5
34.00	.0	507.8	.0	.0	198.0	.0	.0	.0	.0	.0	705.8
34.00	.0	649.3	.0	.0	264.0	.0	.0	.0	.0	.0	913.3
34.00	.0	811.4	.0	.0	316.6	.0	.0	.0	.0	.0	1128.0
34.00	.0	957.0	.0	.0	361.0	.0	.0	.0	.0	.0	1317.9
(10YEAR)											
34.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
34.51	.0	180.9	.0	.0	66.1	.0	.0	.0	.0	.0	247.0
(100 YEAR)											
34.56	.0	263.1	.0	.0	96.2	.0	.0	.0	.0	.0	359.3
(500 YEAR)											
34.85	.0	466.4	.0	.0	177.5	.0	.0	.0	.0	.0	643.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR69
DIFFUSION MODEL NODE NO. 69
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
34.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

34.00	.0	164.4	.0	.0	60.1	.0	.0	.0	.0	.0	224.5
34.00	.0	507.8	.0	.0	198.0	.0	.0	.0	.0	.0	705.8
34.00	.0	649.3	.0	.0	264.0	.0	.0	.0	.0	.0	913.3
34.00	.0	811.4	.0	.0	316.6	.0	.0	.0	.0	.0	1128.0
34.00	.0	957.0	.0	.0	361.0	.0	.0	.0	.0	.0	1317.9
(10YEAR)											
34.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
34.51	.0	180.9	.0	.0	66.1	.0	.0	.0	.0	.0	247.0
(100 YEAR)											
34.56	.0	263.1	.0	.0	96.2	.0	.0	.0	.0	.0	359.3
(500 YEAR)											
34.85	.0	466.4	.0	.0	177.5	.0	.0	.0	.0	.0	643.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR70
DIFFUSION MODEL NODE NO. 70
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (5.9)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
36.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
36.00	2.6	.0	.0	89.4	15.9	.0	28.3	.0	.0	.0	136.2
36.00	7.9	.0	.0	276.1	52.4	.0	86.7	.0	.0	.0	423.2
36.00	10.1	.0	.0	353.1	69.9	.0	108.9	.0	.0	.0	542.1
36.00	12.7	.0	.0	441.2	83.8	.0	128.5	.0	.0	.0	666.3
36.00	15.0	.0	.0	520.3	95.6	.0	145.4	.0	.0	.0	776.3
(10YEAR)											
36.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
36.53	3.3	.0	.0	116.2	20.7	.0	36.8	.0	.0	.0	177.1
(100 YEAR)											
36.69	6.6	.0	.0	229.5	41.2	.0	72.6	.0	.0	.0	350.0
(500 YEAR)											
36.94	7.7	.0	.0	267.1	50.3	.0	83.9	.0	.0	.0	409.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE

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Damage category     COMM identified as COMMERCIAL STRUCTURE
Damage category   RESCON identified as RESIDENTIAL CONTENTS
Damage category    MHCON identified as MOBILE HOME CONTENTS
Damage category   COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category    OTHER identified as  OTHER DAMAGE CATEGORIES
1
   FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
   JOB NO: P81-194-015    FILE: BC90D.SID
   STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**
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Damage Reach DR70
DIFFUSION MODEL NODE NO. 70
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
36.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
36.00	43.5	.0	.0	89.4	15.9	.0	28.3	.0	.0	.0	177.2
36.00	134.5	.0	.0	276.1	52.4	.0	86.7	.0	.0	.0	549.7
36.00	172.0	.0	.0	353.1	69.9	.0	108.9	.0	.0	.0	703.9
36.00	214.9	.0	.0	441.2	83.8	.0	128.5	.0	.0	.0	868.5
36.00	253.4	.0	.0	520.3	95.6	.0	145.4	.0	.0	.0	1014.8
(10YEAR)											
36.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
36.53	56.6	.0	.0	116.2	20.7	.0	36.8	.0	.0	.0	230.3
(100 YEAR)											
36.69	111.8	.0	.0	229.5	41.2	.0	72.6	.0	.0	.0	455.2
(500 YEAR)											
36.94	130.1	.0	.0	267.1	50.3	.0	83.9	.0	.0	.0	531.4

```
Damage category      SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category      MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category      MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category    COMM identified as COMMERCIAL STRUCTURE
Damage category  RESCON identified as RESIDENTIAL CONTENTS
Damage category   MHCON identified as MOBILE HOME CONTENTS
Damage category  COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category   OTHER identified as  OTHER DAMAGE CATEGORIES
** Note **  damage category OTHER is not changed by sampling
1
   FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
   JOB NO: P81-194-015    FILE: BC90D.SID
   STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**
```

Damage Reach DR71
DIFFUSION MODEL NODE NO. 71
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
(25.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	

37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	2.6	101.2	.0	.0	40.7	.0	.0	.0	.0	.0	144.5
37.00	7.9	312.5	.0	.0	134.2	.0	.0	.0	.0	.0	454.7
37.00	10.1	399.6	.0	.0	179.0	.0	.0	.0	.0	.0	588.7
37.00	12.7	499.4	.0	.0	214.6	.0	.0	.0	.0	.0	726.7
37.00	15.0	588.9	.0	.0	244.7	.0	.0	.0	.0	.0	848.6
(10YEAR)											
37.18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
37.98	7.8	309.1	.0	.0	132.4	.0	.0	.0	.0	.0	449.3
(100 YEAR)											
38.18	8.7	343.2	.0	.0	150.8	.0	.0	.0	.0	.0	502.7
(500 YEAR)											
38.45	9.9	390.1	.0	.0	175.1	.0	.0	.0	.0	.0	575.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR71
DIFFUSION MODEL NODE NO. 71
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
37.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37.00	10.3	101.2	.0	.0	40.7	.0	.0	.0	.0	.0	152.2
37.00	31.7	312.5	.0	.0	134.2	.0	.0	.0	.0	.0	478.5
37.00	40.6	399.6	.0	.0	179.0	.0	.0	.0	.0	.0	619.2
37.00	50.7	499.4	.0	.0	214.6	.0	.0	.0	.0	.0	764.7
37.00	59.8	588.9	.0	.0	244.7	.0	.0	.0	.0	.0	893.4
(10YEAR)											
37.18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
37.98	31.4	309.1	.0	.0	132.4	.0	.0	.0	.0	.0	472.9
(100 YEAR)											
38.18	34.9	343.2	.0	.0	150.8	.0	.0	.0	.0	.0	528.8
(500 YEAR)											
38.45	39.6	390.1	.0	.0	175.1	.0	.0	.0	.0	.0	604.8

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS

Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR72
DIFFUSION MODEL NODE NO. 72
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(33.3)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
39.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39.00	2.6	30.8	.0	63.2	14.1	.0	20.0	.0	.0	.0	130.7
39.00	7.9	95.2	.0	195.2	46.4	.0	61.3	.0	.0	.0	406.0
39.00	10.1	121.8	.0	249.6	61.9	.0	77.0	.0	.0	.0	520.4
39.00	12.7	152.1	.0	311.9	74.2	.0	90.9	.0	.0	.0	641.8
39.00	15.0	179.4	.0	367.8	84.6	.0	102.8	.0	.0	.0	749.6
(10YEAR)											
39.14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
39.56	4.1	49.3	.0	101.1	22.5	.0	32.0	.0	.0	.0	209.1
(100 YEAR)											
39.73	6.8	81.2	.0	166.5	37.8	.0	52.6	.0	.0	.0	344.9
(500 YEAR)											
39.96	7.8	93.1	.0	191.0	45.1	.0	60.0	.0	.0	.0	397.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR72
DIFFUSION MODEL NODE NO. 72
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
39.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

39.00	7.7	30.8	.0	63.2	14.1	.0	20.0	.0	.0	.0	135.8
39.00	23.8	95.2	.0	195.2	46.4	.0	61.3	.0	.0	.0	421.9
39.00	30.5	121.8	.0	249.6	61.9	.0	77.0	.0	.0	.0	540.7
39.00	38.1	152.1	.0	311.9	74.2	.0	90.9	.0	.0	.0	667.2
39.00	44.9	179.4	.0	367.8	84.6	.0	102.8	.0	.0	.0	779.6
(10YEAR)											
39.14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
39.56	12.3	49.3	.0	101.1	22.5	.0	32.0	.0	.0	.0	217.4
(100 YEAR)											
39.73	20.3	81.2	.0	166.5	37.8	.0	52.6	.0	.0	.0	358.4
(500 YEAR)											
39.96	23.3	93.1	.0	191.0	45.1	.0	60.0	.0	.0	.0	412.5

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR73
DIFFUSION MODEL NODE NO. 73
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
22.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22.00	.0	36.1	.0	32.5	13.2	.0	11.9	.0	.0	.0	93.7
22.00	.0	111.5	.0	100.4	43.5	.0	39.1	.0	.0	.0	294.5
22.00	.0	142.6	.0	128.4	58.0	.0	52.2	.0	.0	.0	381.1
22.00	.0	178.2	.0	160.4	69.5	.0	62.6	.0	.0	.0	470.7
22.00	.0	210.1	.0	189.2	79.3	.0	71.4	.0	.0	.0	550.0
(10YEAR)											
22.01	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
22.04	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
22.07	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
22.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE

Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR73
DIFFUSION MODEL NODE NO. 73
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
22.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22.00	.0	36.1	.0	32.5	13.2	.0	11.9	.0	.0	.0	93.7
22.00	.0	111.5	.0	100.4	43.5	.0	39.1	.0	.0	.0	294.5
22.00	.0	142.6	.0	128.4	58.0	.0	52.2	.0	.0	.0	381.1
22.00	.0	178.2	.0	160.4	69.5	.0	62.6	.0	.0	.0	470.7
22.00	.0	210.1	.0	189.2	79.3	.0	71.4	.0	.0	.0	550.0
(10YEAR)											
22.01	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
22.04	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
22.07	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(500 YEAR)											
22.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR74
DIFFUSION MODEL NODE NO. 74
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
(4.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)		

25.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.00	2.6	.0	.0	.0	23.5	.0	.0	.0	.0	.0	26.0
25.00	7.9	.0	.0	.0	77.3	.0	.0	.0	.0	.0	85.3
25.00	10.1	.0	.0	.0	103.1	.0	.0	.0	.0	.0	113.3
25.00	12.7	.0	.0	.0	123.7	.0	.0	.0	.0	.0	136.3
25.00	15.0	.0	.0	.0	141.0	.0	.0	.0	.0	.0	156.0
(10YEAR)											
25.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
26.02	8.0	.0	.0	.0	78.4	.0	.0	.0	.0	.0	86.4
(100 YEAR)											
26.47	10.0	.0	.0	.0	101.8	.0	.0	.0	.0	.0	111.8
(500 YEAR)											
27.00	12.7	.0	.0	.0	123.7	.0	.0	.0	.0	.0	136.3

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR74
DIFFUSION MODEL NODE NO. 74
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
25.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.00	64.2	.0	.0	.0	23.5	.0	.0	.0	.0	.0	87.7
25.00	198.4	.0	.0	.0	77.3	.0	.0	.0	.0	.0	275.7
25.00	253.6	.0	.0	.0	103.1	.0	.0	.0	.0	.0	356.8
25.00	317.0	.0	.0	.0	123.7	.0	.0	.0	.0	.0	440.6
25.00	373.8	.0	.0	.0	141.0	.0	.0	.0	.0	.0	514.8
(10YEAR)											
25.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
26.02	200.5	.0	.0	.0	78.4	.0	.0	.0	.0	.0	278.9
(100 YEAR)											
26.47	250.0	.0	.0	.0	101.8	.0	.0	.0	.0	.0	351.8
(500 YEAR)											
27.00	317.0	.0	.0	.0	123.7	.0	.0	.0	.0	.0	440.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS

Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR75
DIFFUSION MODEL NODE NO. 75
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(5.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
28.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28.00	2.6	36.1	.0	.0	32.0	.0	.0	.0	.0	.0	70.7
28.00	7.9	111.5	.0	.0	105.3	.0	.0	.0	.0	.0	224.8
28.00	10.1	142.6	.0	.0	140.5	.0	.0	.0	.0	.0	293.2
28.00	12.7	178.2	.0	.0	168.4	.0	.0	.0	.0	.0	359.3
28.00	15.0	210.1	.0	.0	192.1	.0	.0	.0	.0	.0	417.2
(10YEAR)											
28.11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
28.22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
28.55	3.9	54.2	.0	.0	48.0	.0	.0	.0	.0	.0	106.0
(500 YEAR)											
28.95	7.7	108.5	.0	.0	101.7	.0	.0	.0	.0	.0	217.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR75
DIFFUSION MODEL NODE NO. 75
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
28.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

28.00	51.4	36.1	.0	.0	32.0	.0	.0	.0	.0	.0	119.5
28.00	158.7	111.5	.0	.0	105.3	.0	.0	.0	.0	.0	375.6
28.00	202.9	142.6	.0	.0	140.5	.0	.0	.0	.0	.0	486.0
28.00	253.6	178.2	.0	.0	168.4	.0	.0	.0	.0	.0	600.2
28.00	299.0	210.1	.0	.0	192.1	.0	.0	.0	.0	.0	701.2
(10YEAR)											
28.11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
28.22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(100 YEAR)											
28.55	77.1	54.2	.0	.0	48.0	.0	.0	.0	.0	.0	179.2
(500 YEAR)											
28.95	154.4	108.5	.0	.0	101.7	.0	.0	.0	.0	.0	364.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR76
DIFFUSION MODEL NODE NO. 76
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
30.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.00	.0	174.7	.0	.0	63.9	.0	.0	.0	.0	.0	238.6
30.00	.0	539.6	.0	.0	210.3	.0	.0	.0	.0	.0	749.9
30.00	.0	689.9	.0	.0	280.5	.0	.0	.0	.0	.0	970.4
30.00	.0	862.2	.0	.0	336.4	.0	.0	.0	.0	.0	1198.5
30.00	.0	1016.8	.0	.0	383.5	.0	.0	.0	.0	.0	1400.3
(10YEAR)											
30.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
30.49	.0	157.2	.0	.0	57.5	.0	.0	.0	.0	.0	214.7
(100 YEAR)											
30.70	.0	451.5	.0	.0	166.9	.0	.0	.0	.0	.0	618.4
(500 YEAR)											
31.04	.0	551.3	.0	.0	216.1	.0	.0	.0	.0	.0	767.5

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE

Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR76
DIFFUSION MODEL NODE NO. 76
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
30.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.00	.0	174.7	.0	.0	63.9	.0	.0	.0	.0	.0	238.6
30.00	.0	539.6	.0	.0	210.3	.0	.0	.0	.0	.0	749.9
30.00	.0	689.9	.0	.0	280.5	.0	.0	.0	.0	.0	970.4
30.00	.0	862.2	.0	.0	336.4	.0	.0	.0	.0	.0	1198.5
30.00	.0	1016.8	.0	.0	383.5	.0	.0	.0	.0	.0	1400.3
(10YEAR)											
30.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
30.49	.0	157.2	.0	.0	57.5	.0	.0	.0	.0	.0	214.7
(100 YEAR)											
30.70	.0	451.5	.0	.0	166.9	.0	.0	.0	.0	.0	618.4
(500 YEAR)											
31.04	.0	551.3	.0	.0	216.1	.0	.0	.0	.0	.0	767.5

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR77
DIFFUSION MODEL NODE NO. 77
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	

32.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
32.00	.0	123.3	.0	.0	45.1	.0	.0	.0	.0	.0	168.4
32.00	.0	380.9	.0	.0	148.5	.0	.0	.0	.0	.0	529.4
32.00	.0	487.0	.0	.0	198.0	.0	.0	.0	.0	.0	685.0
32.00	.0	608.6	.0	.0	237.4	.0	.0	.0	.0	.0	846.0
32.00	.0	717.7	.0	.0	270.7	.0	.0	.0	.0	.0	988.4
(10YEAR)											
32.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
32.52	.0	148.0	.0	.0	54.1	.0	.0	.0	.0	.0	202.1
(100 YEAR)											
32.64	.0	296.0	.0	.0	108.2	.0	.0	.0	.0	.0	404.2
(500 YEAR)											
32.94	.0	368.4	.0	.0	142.3	.0	.0	.0	.0	.0	510.8

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR77
DIFFUSION MODEL NODE NO. 77
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
32.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
32.00	.0	123.3	.0	.0	45.1	.0	.0	.0	.0	.0	168.4
32.00	.0	380.9	.0	.0	148.5	.0	.0	.0	.0	.0	529.4
32.00	.0	487.0	.0	.0	198.0	.0	.0	.0	.0	.0	685.0
32.00	.0	608.6	.0	.0	237.4	.0	.0	.0	.0	.0	846.0
32.00	.0	717.7	.0	.0	270.7	.0	.0	.0	.0	.0	988.4
(10YEAR)											
32.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
32.52	.0	148.0	.0	.0	54.1	.0	.0	.0	.0	.0	202.1
(100 YEAR)											
32.64	.0	296.0	.0	.0	108.2	.0	.0	.0	.0	.0	404.2
(500 YEAR)											
32.94	.0	368.4	.0	.0	142.3	.0	.0	.0	.0	.0	510.8

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS

Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR78
DIFFUSION MODEL NODE NO. 78
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(50.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	
33.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33.00	2.6	89.6	.0	.0	34.6	.0	.0	.0	.0	.0	126.8
33.00	7.9	276.7	.0	.0	114.0	.0	.0	.0	.0	.0	398.6
33.00	10.1	353.8	.0	.0	152.1	.0	.0	.0	.0	.0	516.0
33.00	12.7	442.1	.0	.0	182.4	.0	.0	.0	.0	.0	637.1
33.00	15.0	521.3	.0	.0	207.9	.0	.0	.0	.0	.0	744.2
(10YEAR)											
33.14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
33.78	7.0	243.5	.0	.0	96.8	.0	.0	.0	.0	.0	347.3
(100 YEAR)											
33.99	7.9	275.2	.0	.0	113.3	.0	.0	.0	.0	.0	396.3
(500 YEAR)											
34.31	9.3	323.4	.0	.0	138.4	.0	.0	.0	.0	.0	471.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR78
DIFFUSION MODEL NODE NO. 78
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
33.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

33.00	5.1	89.6	.0	.0	34.6	.0	.0	.0	.0	.0	129.3
33.00	15.9	276.7	.0	.0	114.0	.0	.0	.0	.0	.0	406.6
33.00	20.3	353.8	.0	.0	152.1	.0	.0	.0	.0	.0	526.1
33.00	25.4	442.1	.0	.0	182.4	.0	.0	.0	.0	.0	649.8
33.00	29.9	521.3	.0	.0	207.9	.0	.0	.0	.0	.0	759.2
(10YEAR)											
33.14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
33.78	14.0	243.5	.0	.0	96.8	.0	.0	.0	.0	.0	354.3
(100 YEAR)											
33.99	15.8	275.2	.0	.0	113.3	.0	.0	.0	.0	.0	404.2
(500 YEAR)											
34.31	18.5	323.4	.0	.0	138.4	.0	.0	.0	.0	.0	480.3

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR79
DIFFUSION MODEL NODE NO. 79
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
34.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34.00	.0	72.2	.0	.0	26.4	.0	.0	.0	.0	.0	98.6
34.00	.0	223.0	.0	.0	86.9	.0	.0	.0	.0	.0	310.0
34.00	.0	285.2	.0	.0	115.9	.0	.0	.0	.0	.0	401.1
34.00	.0	356.4	.0	.0	139.0	.0	.0	.0	.0	.0	495.4
34.00	.0	420.3	.0	.0	158.5	.0	.0	.0	.0	.0	578.8
(10YEAR)											
34.15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
34.82	.0	201.2	.0	.0	76.2	.0	.0	.0	.0	.0	277.3
(100 YEAR)											
35.03	.0	226.7	.0	.0	88.7	.0	.0	.0	.0	.0	315.4
(500 YEAR)											
35.32	.0	261.9	.0	.0	106.1	.0	.0	.0	.0	.0	368.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE

Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR79
DIFFUSION MODEL NODE NO. 79
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
34.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34.00	.0	72.2	.0	.0	26.4	.0	.0	.0	.0	.0	98.6
34.00	.0	223.0	.0	.0	86.9	.0	.0	.0	.0	.0	310.0
34.00	.0	285.2	.0	.0	115.9	.0	.0	.0	.0	.0	401.1
34.00	.0	356.4	.0	.0	139.0	.0	.0	.0	.0	.0	495.4
34.00	.0	420.3	.0	.0	158.5	.0	.0	.0	.0	.0	578.8
(10YEAR)											
34.15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
34.82	.0	201.2	.0	.0	76.2	.0	.0	.0	.0	.0	277.3
(100 YEAR)											
35.03	.0	226.7	.0	.0	88.7	.0	.0	.0	.0	.0	315.4
(500 YEAR)											
35.32	.0	261.9	.0	.0	106.1	.0	.0	.0	.0	.0	368.0

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR80
DIFFUSION MODEL NODE NO. 80
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	

35.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.00	.0	101.1	.0	26.2	36.9	.0	8.3	.0	.0	.0	172.5
35.00	.0	312.1	.0	80.9	121.7	.0	25.4	.0	.0	.0	540.1
35.00	.0	399.1	.0	103.5	162.2	.0	31.9	.0	.0	.0	696.7
35.00	.0	498.7	.0	129.3	194.6	.0	37.7	.0	.0	.0	860.3
35.00	.0	588.1	.0	152.5	221.8	.0	42.6	.0	.0	.0	1005.1
(10YEAR)											
35.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
35.58	.0	181.9	.0	47.2	66.5	.0	14.9	.0	.0	.0	310.5
(100 YEAR)											
35.77	.0	273.0	.0	70.8	102.4	.0	22.3	.0	.0	.0	468.6
(500 YEAR)											
36.05	.0	320.6	.0	83.1	125.9	.0	26.1	.0	.0	.0	555.7

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR80
DIFFUSION MODEL NODE NO. 80
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
35.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.00	.0	101.1	.0	26.2	36.9	.0	8.3	.0	.0	.0	172.5
35.00	.0	312.1	.0	80.9	121.7	.0	25.4	.0	.0	.0	540.1
35.00	.0	399.1	.0	103.5	162.2	.0	31.9	.0	.0	.0	696.7
35.00	.0	498.7	.0	129.3	194.6	.0	37.7	.0	.0	.0	860.3
35.00	.0	588.1	.0	152.5	221.8	.0	42.6	.0	.0	.0	1005.1
(10YEAR)											
35.12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
35.58	.0	181.9	.0	47.2	66.5	.0	14.9	.0	.0	.0	310.5
(100 YEAR)											
35.77	.0	273.0	.0	70.8	102.4	.0	22.3	.0	.0	.0	468.6
(500 YEAR)											
36.05	.0	320.6	.0	83.1	125.9	.0	26.1	.0	.0	.0	555.7

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS

Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR82
DIFFUSION MODEL NODE NO. 82
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (2.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
25.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.00	.0	.0	1.4	.0	.0	20.4	.0	.0	.0	.0	21.8
25.00	.0	.0	4.4	.0	.0	112.8	.0	.0	.0	.0	117.2
25.00	.0	.0	5.7	.0	.0	200.6	.0	.0	.0	.0	206.3
25.00	.0	.0	7.1	.0	.0	286.1	.0	.0	.0	.0	293.2
(10YEAR)											
25.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
25.95	.0	.0	.7	.0	.0	10.2	.0	.0	.0	.0	10.9
(100 YEAR)											
26.33	.0	.0	4.0	.0	.0	82.8	.0	.0	.0	.0	86.8
(500 YEAR)											
26.78	.0	.0	5.1	.0	.0	162.1	.0	.0	.0	.0	167.3

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR82
DIFFUSION MODEL NODE NO. 82
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
25.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

25.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.00	.0	.0	71.9	.0	.0	20.4	.0	.0	.0	.0	92.3
25.00	.0	.0	222.2	.0	.0	112.8	.0	.0	.0	.0	334.9
25.00	.0	.0	284.1	.0	.0	200.6	.0	.0	.0	.0	484.7
25.00	.0	.0	355.0	.0	.0	286.1	.0	.0	.0	.0	641.1
(10YEAR)											
25.09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
25.95	.0	.0	36.0	.0	.0	10.2	.0	.0	.0	.0	46.2
(100 YEAR)											
26.33	.0	.0	201.6	.0	.0	82.8	.0	.0	.0	.0	284.4
(500 YEAR)											
26.78	.0	.0	256.0	.0	.0	162.1	.0	.0	.0	.0	418.2

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR83
DIFFUSION MODEL NODE NO. 83
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (6.7)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
27.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27.00	2.6	18.1	.0	.0	20.6	.0	.0	.0	.0	.0	41.2
27.00	7.9	55.8	.0	.0	67.9	.0	.0	.0	.0	.0	131.6
27.00	10.1	71.3	.0	.0	90.5	.0	.0	.0	.0	.0	172.0
27.00	12.7	89.1	.0	.0	108.6	.0	.0	.0	.0	.0	210.4
27.00	15.0	105.1	.0	.0	123.8	.0	.0	.0	.0	.0	243.8
(10YEAR)											
27.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
27.70	6.6	46.7	.0	.0	53.9	.0	.0	.0	.0	.0	107.2
(100 YEAR)											
28.00	7.9	55.8	.0	.0	67.9	.0	.0	.0	.0	.0	131.6
(500 YEAR)											
28.36	9.5	66.7	.0	.0	84.7	.0	.0	.0	.0	.0	160.9

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE

Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR83
DIFFUSION MODEL NODE NO. 83
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
27.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27.00	38.3	18.1	.0	.0	20.6	.0	.0	.0	.0	.0	77.0
27.00	118.4	55.8	.0	.0	67.9	.0	.0	.0	.0	.0	242.1
27.00	151.4	71.3	.0	.0	90.5	.0	.0	.0	.0	.0	313.3
27.00	189.2	89.1	.0	.0	108.6	.0	.0	.0	.0	.0	386.9
27.00	223.2	105.1	.0	.0	123.8	.0	.0	.0	.0	.0	452.1
(10YEAR)											
27.10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
27.70	99.1	46.7	.0	.0	53.9	.0	.0	.0	.0	.0	199.6
(100 YEAR)											
28.00	118.4	55.8	.0	.0	67.9	.0	.0	.0	.0	.0	242.1
(500 YEAR)											
28.36	141.6	66.7	.0	.0	84.7	.0	.0	.0	.0	.0	293.1

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR84
DIFFUSION MODEL NODE NO. 84
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(.0)	(.0)	

29.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
29.00	.0	138.7	.0	.0	50.7	.0	.0	.0	.0	.0	189.5	
29.00	.0	428.5	.0	.0	167.0	.0	.0	.0	.0	.0	595.5	
29.00	.0	547.9	.0	.0	222.7	.0	.0	.0	.0	.0	770.6	
29.00	.0	684.7	.0	.0	267.1	.0	.0	.0	.0	.0	951.8	
29.00	.0	807.4	.0	.0	304.6	.0	.0	.0	.0	.0	1112.0	
(10YEAR)												
29.13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(50 YEAR)												
29.78	.0	377.2	.0	.0	141.7	.0	.0	.0	.0	.0	518.9	
(100 YEAR)												
30.02	.0	433.2	.0	.0	169.3	.0	.0	.0	.0	.0	602.5	
(500 YEAR)												
30.27	.0	491.5	.0	.0	198.1	.0	.0	.0	.0	.0	689.6	

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR84
DIFFUSION MODEL NODE NO. 84
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
29.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
29.00	.0	138.7	.0	.0	50.7	.0	.0	.0	.0	.0	189.5
29.00	.0	428.5	.0	.0	167.0	.0	.0	.0	.0	.0	595.5
29.00	.0	547.9	.0	.0	222.7	.0	.0	.0	.0	.0	770.6
29.00	.0	684.7	.0	.0	267.1	.0	.0	.0	.0	.0	951.8
29.00	.0	807.4	.0	.0	304.6	.0	.0	.0	.0	.0	1112.0
(10YEAR)											
29.13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
29.78	.0	377.2	.0	.0	141.7	.0	.0	.0	.0	.0	518.9
(100 YEAR)											
30.02	.0	433.2	.0	.0	169.3	.0	.0	.0	.0	.0	602.5
(500 YEAR)											
30.27	.0	491.5	.0	.0	198.1	.0	.0	.0	.0	.0	689.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS

Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR85
DIFFUSION MODEL NODE NO. 85
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (100.0)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
30.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.00	.0	89.1	.0	.0	32.6	.0	.0	.0	.0	.0	121.6
30.00	.0	275.1	.0	.0	107.2	.0	.0	.0	.0	.0	382.3
30.00	.0	351.7	.0	.0	143.0	.0	.0	.0	.0	.0	494.7
30.00	.0	439.5	.0	.0	171.5	.0	.0	.0	.0	.0	611.0
30.00	.0	518.4	.0	.0	195.5	.0	.0	.0	.0	.0	713.9
(10YEAR)											
30.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
30.98	.0	272.1	.0	.0	105.8	.0	.0	.0	.0	.0	377.8
(100 YEAR)											
31.20	.0	305.0	.0	.0	122.0	.0	.0	.0	.0	.0	427.0
(500 YEAR)											
31.43	.0	340.0	.0	.0	138.6	.0	.0	.0	.0	.0	478.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR85
DIFFUSION MODEL NODE NO. 85
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
30.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

30.00	.0	89.1	.0	.0	32.6	.0	.0	.0	.0	.0	121.6
30.00	.0	275.1	.0	.0	107.2	.0	.0	.0	.0	.0	382.3
30.00	.0	351.7	.0	.0	143.0	.0	.0	.0	.0	.0	494.7
30.00	.0	439.5	.0	.0	171.5	.0	.0	.0	.0	.0	611.0
30.00	.0	518.4	.0	.0	195.5	.0	.0	.0	.0	.0	713.9
(10YEAR)											
30.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
30.98	.0	272.1	.0	.0	105.8	.0	.0	.0	.0	.0	377.8
(100 YEAR)											
31.20	.0	305.0	.0	.0	122.0	.0	.0	.0	.0	.0	427.0
(500 YEAR)											
31.43	.0	340.0	.0	.0	138.6	.0	.0	.0	.0	.0	478.6

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR86
DIFFUSION MODEL NODE NO. 86
(Damages are in $1,000)

Damage Categories
(percent sampled)

Water Surface Elevation	SF (16.7)	MF (100.0)	MH (100.0)	COMM (100.0)	RESCON (100.0)	MHCON (100.0)	COMCON (100.0)	OTHER (100.0)	(.0)	(.0)	Total
31.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31.00	2.6	65.2	.0	.0	29.5	.0	.0	.0	.0	.0	97.3
31.00	7.9	201.4	.0	.0	97.1	.0	.0	.0	.0	.0	306.4
31.00	10.1	257.6	.0	.0	129.4	.0	.0	.0	.0	.0	397.1
31.00	12.7	321.9	.0	.0	155.2	.0	.0	.0	.0	.0	489.7
31.00	15.0	379.6	.0	.0	177.0	.0	.0	.0	.0	.0	571.5
(10YEAR)											
31.16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
31.93	7.6	193.8	.0	.0	92.4	.0	.0	.0	.0	.0	293.8
(100 YEAR)											
32.08	8.3	210.2	.0	.0	102.4	.0	.0	.0	.0	.0	320.9
(500 YEAR)											
32.49	10.1	256.3	.0	.0	128.9	.0	.0	.0	.0	.0	395.3

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE

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Damage category     COMM identified as COMMERCIAL STRUCTURE
Damage category   RESCON identified as RESIDENTIAL CONTENTS
Damage category    MHCON identified as MOBILE HOME CONTENTS
Damage category   COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category    OTHER identified as  OTHER DAMAGE CATEGORIES
1
   FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
   JOB NO: P81-194-015    FILE: BC90D.SID
   STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**


                                   Damage Reach   DR86
                         DIFFUSION MODEL NODE NO. 86
                                 ( Damages are in $1,000 )

                                   Damage Categories
*****************************************************************************************************************
* Elevation*     SF *      MF *      MH *    COMM *  RESCON *   MHCON *  COMCON *   OTHER *         *         * Total  *
*----------*---------*---------*---------*---------*---------*---------*---------*---------*---------*---------*---------*
*   31.00 *     .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *
*   31.00 *   15.4 *    65.2 *      .0 *      .0 *    29.5 *      .0 *      .0 *      .0 *      .0 *      .0 *   110.1 *
*   31.00 *   47.5 *   201.4 *      .0 *      .0 *    97.1 *      .0 *      .0 *      .0 *      .0 *      .0 *   346.0 *
*   31.00 *   60.8 *   257.6 *      .0 *      .0 *   129.4 *      .0 *      .0 *      .0 *      .0 *      .0 *   447.7 *
*   31.00 *   75.9 *   321.9 *      .0 *      .0 *   155.2 *      .0 *      .0 *      .0 *      .0 *      .0 *   553.0 *
*   31.00 *   89.5 *   379.6 *      .0 *      .0 *   177.0 *      .0 *      .0 *      .0 *      .0 *      .0 *   646.1 *
*-----------------------------------------------------------------------------------------------------------------*
*(10YEAR  )*        *         *         *         *         *         *         *         *         *         *         *
*   31.16 *     .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *      .0 *
*( 50 YEAR)*        *         *         *         *         *         *         *         *         *         *         *
*   31.93 *   45.7 *   193.8 *      .0 *      .0 *    92.4 *      .0 *      .0 *      .0 *      .0 *      .0 *   331.8 *
*(100 YEAR)*        *         *         *         *         *         *         *         *         *         *         *
*   32.08 *   49.6 *   210.2 *      .0 *      .0 *   102.4 *      .0 *      .0 *      .0 *      .0 *      .0 *   362.2 *
*(500 YEAR)*        *         *         *         *         *         *         *         *         *         *         *
*   32.49 *   60.5 *   256.3 *      .0 *      .0 *   128.9 *      .0 *      .0 *      .0 *      .0 *      .0 *   445.7 *
*****************************************************************************************************************
Damage category       SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category       MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category       MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category     COMM identified as COMMERCIAL STRUCTURE
Damage category   RESCON identified as RESIDENTIAL CONTENTS
Damage category    MHCON identified as MOBILE HOME CONTENTS
Damage category   COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category    OTHER identified as  OTHER DAMAGE CATEGORIES
** Note **  damage category OTHER is not changed by sampling
1
   FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
   JOB NO: P81-194-015    FILE: BC90D.SID
   STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**


                                   Damage Reach   DR87
                         DIFFUSION MODEL NODE NO. 87
                                 ( Damages are in $1,000 )

                                   Damage Categories
                                   (percent sampled)
*****************************************************************************************************************
*   Water  *     SF *      MF *      MH *    COMM *  RESCON *   MHCON *  COMCON *   OTHER *         *         *         *
*  Surface *        *         *         *         *         *         *         *         *         *         * Total  *
* Elevation* (100.0) * (100.0) * (100.0) * (100.0) * (100.0) * (100.0) * (100.0) * (100.0) * (   .0) * (   .0) *         *
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31.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31.00	.0	99.5	.0	.0	36.4	.0	.0	.0	.0	.0	135.8	
31.00	.0	307.2	.0	.0	119.8	.0	.0	.0	.0	.0	427.0	
31.00	.0	392.8	.0	.0	159.7	.0	.0	.0	.0	.0	552.6	
31.00	.0	490.9	.0	.0	191.5	.0	.0	.0	.0	.0	682.4	
31.00	.0	579.0	.0	.0	218.4	.0	.0	.0	.0	.0	797.3	
(10YEAR)												
31.22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(50 YEAR)												
32.16	.0	334.0	.0	.0	133.0	.0	.0	.0	.0	.0	467.0	
(100 YEAR)												
32.47	.0	387.2	.0	.0	157.6	.0	.0	.0	.0	.0	544.9	
(500 YEAR)												
32.85	.0	460.9	.0	.0	182.4	.0	.0	.0	.0	.0	643.3	

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS
Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Damage Reach DR87
DIFFUSION MODEL NODE NO. 87
(Damages are in $1,000)

Damage Categories

Elevation	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
31.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31.00	.0	99.5	.0	.0	36.4	.0	.0	.0	.0	.0	135.8
31.00	.0	307.2	.0	.0	119.8	.0	.0	.0	.0	.0	427.0
31.00	.0	392.8	.0	.0	159.7	.0	.0	.0	.0	.0	552.6
31.00	.0	490.9	.0	.0	191.5	.0	.0	.0	.0	.0	682.4
31.00	.0	579.0	.0	.0	218.4	.0	.0	.0	.0	.0	797.3
(10YEAR)											
31.22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
(50 YEAR)											
32.16	.0	334.0	.0	.0	133.0	.0	.0	.0	.0	.0	467.0
(100 YEAR)											
32.47	.0	387.2	.0	.0	157.6	.0	.0	.0	.0	.0	544.9
(500 YEAR)											
32.85	.0	460.9	.0	.0	182.4	.0	.0	.0	.0	.0	643.3

Damage category SF identified as SINGLE FAMILY RESIDENTIAL STRUCTURE
Damage category MF identified as MULTI-FAMILY RESIDENTIAL STRUCTURE
Damage category MH identified as MOBILE HOME RESIDENTIAL STRUCTURE
Damage category COMM identified as COMMERCIAL STRUCTURE
Damage category RESCON identified as RESIDENTIAL CONTENTS

Damage category MHCON identified as MOBILE HOME CONTENTS
Damage category COMCON identified as COMMERCIAL STRUCTURE CONTENTS
Damage category OTHER identified as OTHER DAMAGE CATEGORIES
** Note ** damage category OTHER is not changed by sampling

1

FCDMC - EAST FORK CAVE CREEK BENEFIT COST ANALYSIS
JOB NO: P81-194-015 FILE: BC90D.SID
STRUCTURE INVENTORY, 1994 CONDITIONS (90% BUILDOUT) **WITH DETENTION**

Aggregated Single Event Damage

Aggregated Damage Reach TOTAL
Includes Damage Reaches

DR7	DR8	DR12	DR13	DR14
DR15	DR16	DR20	DR21	DR22
DR23	DR24	DR28	DR29	DR30
DR31	DR32	DR35	DR36	DR37
DR38	DR39	DR40	DR43	DR44
DR45	DR46	DR47	DR48	DR51
DR52	DR53	DR54	DR55	DR56
DR58	DR59	DR60	DR61	DR62
DR63	DR64	DR65	DR66	DR67
DR68	DR69	DR70	DR71	DR72
DR73	DR74	DR75	DR76	DR77
DR78	DR79	DR80	DR82	DR83
DR84	DR85	DR86	DR87	

(Damage in $1,000)

Damage Categories

Single Event	SF	MF	MH	COMM	RESCON	MHCON	COMCON	OTHER			Total
10YEAR	.0	138.9	.0	74.0	50.8	.0	23.4	.0	.0	.0	287.1
50 YEAR	1920.8	4686.0	370.2	766.7	2528.9	133.4	241.1	.0	.0	.0	10647.2
100 YEAR	2453.7	5955.6	987.5	1209.1	3275.1	411.3	378.2	.0	.0	.0	14670.5
500 YEAR	3878.4	7578.6	1454.0	1725.5	4512.3	820.7	530.7	.0	.0	.0	20500.2

Elapsed CPU time is 67 seconds or 1.117 minutes.