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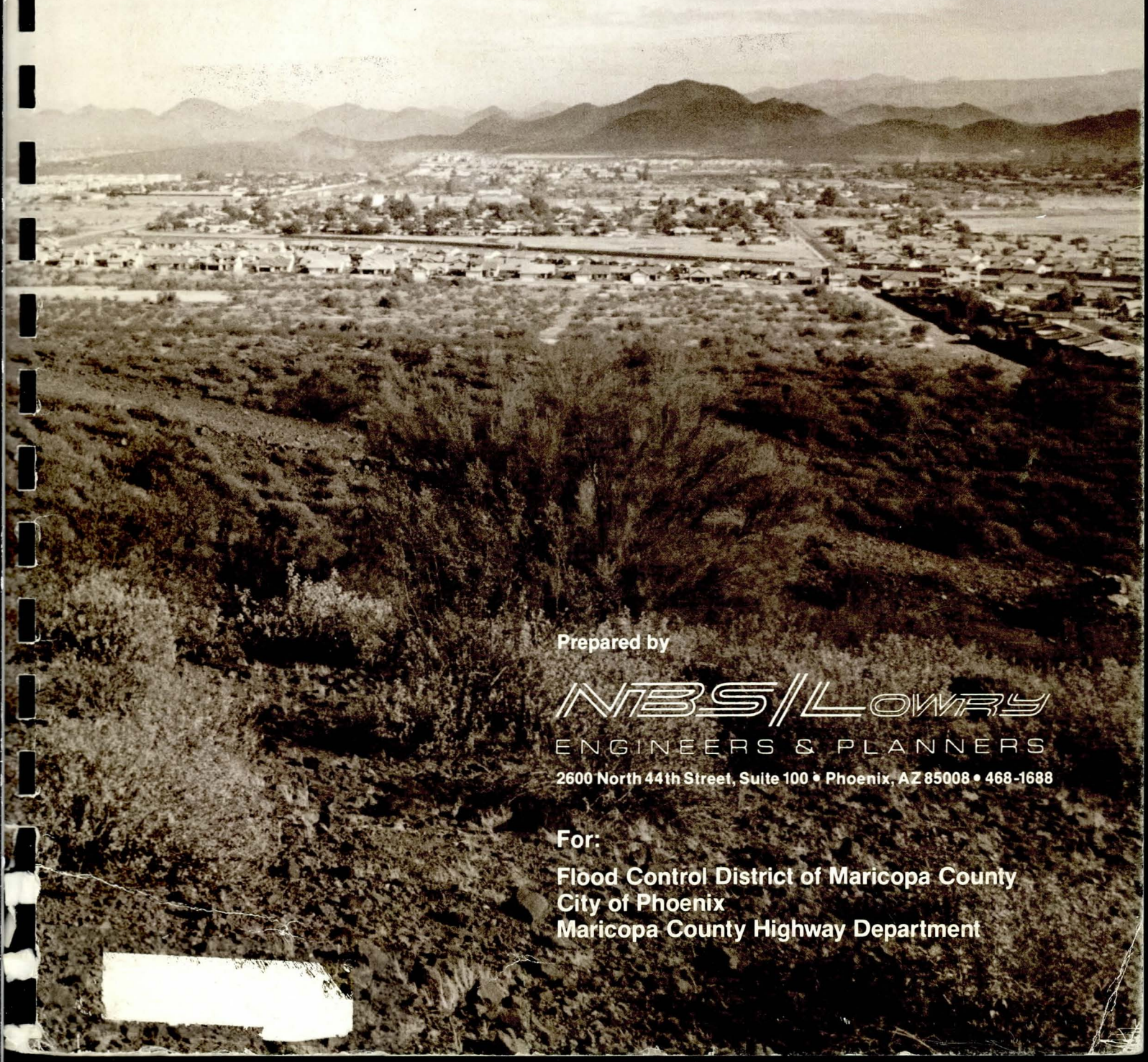
UPPER EAST FORK CAVE CREEK

AREA DRAINAGE MASTER STUDY

(APPENDICES) VOLUME 1



Prepared by

NBS/LOWRY

ENGINEERS & PLANNERS

2600 North 44th Street, Suite 100 • Phoenix, AZ 85008 • 468-1688

For:

Flood Control District of Maricopa County
City of Phoenix
Maricopa County Highway Department

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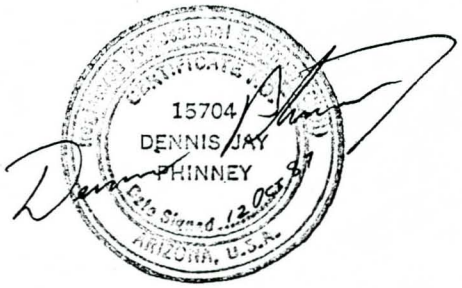
UPPER EAST FORK CAVE CREEK AREA DRAINAGE MASTER STUDY (APPENDICES)

PREPARED FOR:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CITY OF PHOENIX

MARICOPA COUNTY HIGHWAY DEPARTMENT



PREPARED BY:

NBS/LOWRY

OCTOBER 1987

LIST OF APPENDICES

VOLUME 1

APPENDIX	TITLE
A	DIFFUSION MODEL
B	TR-20 COMPUTER MODEL RESULTS

VOLUME 2

APPENDIX	TITLE
C	HEC-2
D	HYDRAULIC GRADE LINE CALCULATIONS
E	MISCELLANEOUS CALCULATIONS
F	LETTER FROM CITY OF PHOENIX, PARK AND RECREATION DEPARTMENT

APPENDIX A

DIFFUSION MODEL

TIMESTEP(HOUR) = .00500
NUMBER OF TIMESTEPS = 4800
OUTPUT INTERVAL(TIMESTEPS) = 200
NUMBER OF NODAL POINTS = 253
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	5.0	.0	.0350	1440.0	.0
2	.0	3.0	6.0	1.0	.0350	1438.0	.0
3	.0	4.0	7.0	2.0	.0350	1444.0	.0
4	.0	.0	8.0	3.0	.0350	1446.0	.0
5	1.0	6.0	9.0	.0	.0350	1436.0	.0
6	2.0	7.0	10.0	5.0	.0350	1436.0	.0
7	3.0	8.0	11.0	6.0	.0350	1437.0	.0
8	4.0	.0	12.0	7.0	.0350	1447.0	.0
9	5.0	10.0	13.0	.0	.0350	1433.0	.0
10	6.0	11.0	14.0	9.0	.0350	1432.0	.0
11	7.0	12.0	15.0	10.0	.0350	1436.0	.0
12	8.0	.0	16.0	11.0	.0350	1443.0	.0
13	9.0	14.0	17.0	.0	.0350	1425.0	.0
14	10.0	15.0	18.0	13.0	.0350	1429.0	.0
15	11.0	16.0	19.0	14.0	.0350	1430.0	.0
16	12.0	.0	20.0	15.0	.0350	1435.0	.0
17	13.0	18.0	21.0	.0	.0350	1421.0	.0
18	14.0	19.0	22.0	17.0	.0350	1423.0	.0
19	15.0	20.0	23.0	18.0	.0350	1426.0	.0
20	16.0	.0	24.0	19.0	.0350	1431.0	.0
21	17.0	22.0	25.0	.0	.0350	1417.0	.0
22	18.0	23.0	26.0	21.0	.0350	1419.0	.0
23	19.0	24.0	27.0	22.0	.0350	1419.0	.0
24	20.0	.0	28.0	23.0	.0350	1423.0	.0
25	21.0	26.0	29.0	.0	.0350	1413.0	.0
26	22.0	27.0	30.0	25.0	.0350	1416.0	.0
27	23.0	28.0	31.0	26.0	.0350	1414.0	.0
28	24.0	.0	32.0	27.0	.0350	1418.0	.0
29	25.0	30.0	33.0	.0	.0350	1409.0	.0
30	26.0	31.0	34.0	29.0	.0350	1414.0	.0
31	27.0	32.0	35.0	30.0	.0350	1410.0	.0
32	28.0	.0	36.0	31.0	.0350	1415.0	.0
33	29.0	34.0	37.0	.0	.0350	1405.0	.0
34	30.0	35.0	38.0	33.0	.0350	1406.0	.0
35	31.0	36.0	39.0	34.0	.0350	1407.0	.0
36	32.0	.0	40.0	35.0	.0350	1412.0	.0
37	33.0	38.0	41.0	.0	.0350	1400.0	.0
38	34.0	39.0	42.0	37.0	.0350	1402.0	.0
39	35.0	40.0	43.0	38.0	.0350	1404.0	.0
40	36.0	.0	44.0	39.0	.0350	1409.0	.0
41	37.0	42.0	45.0	.0	.0350	1396.0	.0
42	38.0	43.0	46.0	41.0	.0350	1398.0	.0
43	39.0	44.0	47.0	42.0	.0350	1400.0	.0
44	40.0	.0	48.0	43.0	.0350	1405.0	.0
45	41.0	46.0	49.0	.0	.0350	1392.0	.0
46	42.0	47.0	50.0	45.0	.0350	1394.0	.0

115	91.0	116.0	139.0	114.0	.0350	1443.0	.0
116	92.0	117.0	140.0	115.0	.0350	1445.0	.0
117	93.0	118.0	141.0	116.0	.0350	1449.0	.0
118	94.0	119.0	142.0	117.0	.0350	1452.0	.0
119	95.0	120.0	143.0	118.0	.0350	1454.0	.0
120	96.0	.0	144.0	119.0	.0350	1457.0	.0
121	97.0	122.0	145.0	.0	.0350	1380.0	.0
122	98.0	123.0	146.0	121.0	.0350	1382.0	.0
123	99.0	124.0	147.0	122.0	.0350	1386.0	.0
124	100.0	125.0	148.0	123.0	.0350	1391.0	.0
125	101.0	126.0	149.0	124.0	.0350	1396.0	.0
126	102.0	127.0	150.0	125.0	.0350	1401.0	.0
127	103.0	128.0	151.0	126.0	.0350	1407.0	.0
128	104.0	129.0	152.0	127.0	.0350	1407.0	.0
129	105.0	130.0	153.0	128.0	.0350	1412.0	.0
130	106.0	131.0	154.0	129.0	.0350	1415.0	.0
131	107.0	132.0	155.0	130.0	.0350	1418.0	.0
132	108.0	133.0	156.0	131.0	.0350	1422.0	.0
133	109.0	134.0	157.0	132.0	.0350	1426.0	.0
134	110.0	135.0	158.0	133.0	.0350	1430.0	.0
135	111.0	136.0	159.0	134.0	.0350	1430.0	.0
136	112.0	137.0	160.0	135.0	.0350	1433.0	.0
137	113.0	138.0	161.0	136.0	.0350	1435.0	.0
138	114.0	139.0	162.0	137.0	.0350	1436.0	.0
139	115.0	140.0	163.0	138.0	.0350	1439.0	.0
140	116.0	141.0	164.0	139.0	.0350	1444.0	.0
141	117.0	142.0	165.0	140.0	.0350	1446.0	.0
142	118.0	143.0	166.0	141.0	.0350	1447.0	.0
143	119.0	144.0	167.0	142.0	.0350	1451.0	.0
144	120.0	.0	168.0	143.0	.0350	1453.0	.0
145	121.0	146.0	169.0	.0	.0350	1378.0	.0
146	122.0	147.0	170.0	145.0	.0350	1381.0	.0
147	123.0	148.0	171.0	146.0	.0350	1384.0	.0
148	124.0	149.0	172.0	147.0	.0350	1389.0	.0
149	125.0	150.0	173.0	148.0	.0350	1394.0	.0
150	126.0	151.0	174.0	149.0	.0350	1400.0	.0
151	127.0	152.0	175.0	150.0	.0350	1402.0	.0
152	128.0	153.0	176.0	151.0	.0350	1406.0	.0
153	129.0	154.0	177.0	152.0	.0350	1410.0	.0
154	130.0	155.0	178.0	153.0	.0350	1413.0	.0
155	131.0	156.0	179.0	154.0	.0350	1417.0	.0
156	132.0	157.0	180.0	155.0	.0350	1421.0	.0
157	133.0	158.0	181.0	156.0	.0350	1424.0	.0
158	134.0	159.0	182.0	157.0	.0350	1424.0	.0
159	135.0	160.0	183.0	158.0	.0350	1426.0	.0
160	136.0	161.0	184.0	159.0	.0350	1428.0	.0
161	137.0	162.0	185.0	160.0	.0350	1430.0	.0
162	138.0	163.0	186.0	161.0	.0350	1433.0	.0
163	139.0	164.0	187.0	162.0	.0350	1437.0	.0
164	140.0	165.0	188.0	163.0	.0350	1441.0	.0
165	141.0	166.0	189.0	164.0	.0350	1443.0	.0
166	142.0	167.0	190.0	165.0	.0350	1445.0	.0
167	143.0	168.0	191.0	166.0	.0350	1448.0	.0
168	144.0	.0	192.0	167.0	.0350	1452.0	.0
169	145.0	170.0	.0	.0	.0350	1378.0	.0
170	146.0	171.0	.0	169.0	.0350	1381.0	.0
171	147.0	172.0	.0	170.0	.0350	1384.0	.0
172	148.0	173.0	.0	171.0	.0350	1388.0	.0
173	149.0	174.0	.0	172.0	.0350	1392.0	.0
174	150.0	175.0	.0	173.0	.0350	1397.0	.0
175	151.0	176.0	.0	174.0	.0350	1401.0	.0
176	152.0	177.0	.0	175.0	.0350	1405.0	.0
177	153.0	178.0	.0	176.0	.0350	1408.0	.0
178	154.0	179.0	193.0	177.0	.0350	1411.0	.0

181	157.0	182.0	196.0	180.0	.0350	1418.0	.0
182	158.0	183.0	197.0	181.0	.0350	1421.0	.0
183	159.0	184.0	198.0	182.0	.0350	1423.0	.0
184	160.0	185.0	199.0	183.0	.0350	1425.0	.0
185	161.0	186.0	200.0	184.0	.0350	1427.0	.0
186	162.0	187.0	201.0	185.0	.0350	1433.0	.0
187	163.0	188.0	202.0	186.0	.0350	1435.0	.0
188	164.0	189.0	203.0	187.0	.0350	1437.0	.0
189	165.0	190.0	204.0	188.0	.0350	1440.0	.0
190	166.0	191.0	205.0	189.0	.0350	1442.0	.0
191	167.0	192.0	206.0	190.0	.0350	1445.0	.0
192	168.0	.0	207.0	191.0	.0350	1448.0	.0
193	178.0	194.0	.0	.0	.0350	1407.0	.0
194	179.0	195.0	.0	193.0	.0350	1411.0	.0
195	180.0	196.0	208.0	194.0	.0350	1412.0	.0
196	181.0	197.0	209.0	195.0	.0350	1415.0	.0
197	182.0	198.0	210.0	196.0	.0350	1418.0	.0
198	183.0	199.0	211.0	197.0	.0350	1420.0	.0
199	184.0	200.0	212.0	198.0	.0350	1423.0	.0
200	185.0	201.0	213.0	199.0	.0350	1427.0	.0
201	186.0	202.0	214.0	200.0	.0350	1430.0	.0
202	187.0	203.0	215.0	201.0	.0350	1433.0	.0
203	188.0	204.0	216.0	202.0	.0350	1435.0	.0
204	189.0	205.0	217.0	203.0	.0350	1437.0	.0
205	190.0	206.0	218.0	204.0	.0350	1439.0	.0
206	191.0	207.0	219.0	205.0	.0350	1443.0	.0
207	192.0	.0	220.0	206.0	.0350	1444.0	.0
208	195.0	209.0	.0	.0	.0350	1410.0	.0
209	196.0	210.0	.0	208.0	.0350	1413.0	.0
210	197.0	211.0	.0	209.0	.0350	1415.0	.0
211	198.0	212.0	.0	210.0	.0350	1419.0	.0
212	199.0	213.0	221.0	211.0	.0350	1422.0	.0
213	200.0	214.0	222.0	212.0	.0350	1425.0	.0
214	201.0	215.0	223.0	213.0	.0350	1427.0	.0
215	202.0	216.0	224.0	214.0	.0350	1430.0	.0
216	203.0	217.0	225.0	215.0	.0350	1432.0	.0
217	204.0	218.0	226.0	216.0	.0350	1435.0	.0
218	205.0	219.0	227.0	217.0	.0350	1439.0	.0
219	206.0	220.0	228.0	218.0	.0350	1440.0	.0
220	207.0	.0	229.0	219.0	.0350	1441.0	.0
221	212.0	222.0	.0	.0	.0350	1420.0	.0
222	213.0	223.0	230.0	221.0	.0350	1423.0	.0
223	214.0	224.0	231.0	222.0	.0350	1425.0	.0
224	215.0	225.0	232.0	223.0	.0350	1428.0	.0
225	216.0	226.0	233.0	224.0	.0350	1431.0	.0
226	217.0	227.0	234.0	225.0	.0350	1434.0	.0
227	218.0	228.0	235.0	226.0	.0350	1436.0	.0
228	219.0	229.0	236.0	227.0	.0350	1437.0	.0
229	220.0	.0	237.0	228.0	.0350	1439.0	.0
230	222.0	231.0	238.0	.0	.0350	1422.0	.0
231	223.0	232.0	239.0	230.0	.0350	1425.0	.0
232	224.0	233.0	240.0	231.0	.0350	1428.0	.0
233	225.0	234.0	241.0	232.0	.0350	1430.0	.0
234	226.0	235.0	242.0	233.0	.0350	1432.0	.0
235	227.0	236.0	243.0	234.0	.0350	1433.0	.0
236	228.0	237.0	244.0	235.0	.0350	1434.0	.0
237	229.0	.0	245.0	236.0	.0350	1435.0	.0
238	230.0	239.0	246.0	.0	.0350	1422.0	.0
239	231.0	240.0	247.0	238.0	.0350	1425.0	.0
240	232.0	241.0	248.0	239.0	.0350	1427.0	.0
241	233.0	242.0	249.0	240.0	.0350	1429.0	.0
242	234.0	243.0	250.0	241.0	.0350	1430.0	.0
243	235.0	244.0	251.0	242.0	.0350	1431.0	.0
244	236.0	245.0	252.0	243.0	.0350	1431.0	.0

247	239.0	248.0	.0	246.0	.0350	1425.0	.0
248	240.0	249.0	.0	247.0	.0350	1426.0	.0
249	241.0	250.0	.0	248.0	.0350	1427.0	.0
250	242.0	251.0	.0	249.0	.0350	1428.0	.0
251	243.0	252.0	.0	250.0	.0350	1428.0	.0
252	244.0	253.0	.0	251.0	.0350	1428.0	.0
253	245.0	.0	.0	252.0	.0350	1430.0	.0

NUMBER OF BOUNDRY CONDITION NODAL POINTS = 19 BOUNDRY CONDITION NODE NUMBERS:

63 72 71 69 67 192 144 220 253 61

59 57 56 48 32 24 16 8 2

NUMBER OF HYDROGRAPH RATE ENTRIES = 19
LINEAR FUCTION IN FLOWRATE(CFS) IN GRID ELEMENT:

HOUR	FLOWRATE								
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.2	.0	.0	.0	.0	.0	.0	.2	.0
5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.4	.0	.0	.0	.0	.0	.0	.6	.0
6.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.6	.0	.0	.0	.0	.0	.0	1.0	.0
7.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.8	.0	.0	.0	.0	.0	.0	1.3	.0
8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	1.0	.0	.0	.0	.0	.0	.0	1.5	.0
9.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	1.1	.0	.0	.0	.0	.0	.0	1.8	.0
9.5	.1	.0	.0	.0	.0	.0	.0	.0	.0
.0	2.9	.0	.0	.0	.2	.0	.0	4.1	.0
10.0	.1	.0	.1	.0	.0	.4	.3	.0	.0
.3	3.8	.3	.0	.0	.8	.0	.0	5.7	.0
10.5	.1	.0	.4	.3	.3	1.2	.9	.1	.1
.8	4.0	.9	.3	.4	1.5	.2	.2	6.3	.0
11.0	17.7	.0	1.1	1.1	1.1	2.7	2.4	.7	.5
1.8	6.7	2.7	.9	1.4	3.5	1.0	1.0	9.2	.0
11.5	35.7	.4	2.7	3.1	3.2	6.3	6.1	2.5	1.9
5.0	11.9	7.2	2.7	4.0	8.1	3.4	3.3	15.4	.2
12.0	292.0	43.7	48.5	81.0	83.4	94.8	146.7	72.6	21.4
137.8	175.1	157.2	79.4	115.1	131.1	110.7	107.5	201.0	45.0
12.5	1147.9	329.0	132.0	152.7	153.8	297.6	251.0	146.2	113.0
290.0	260.6	325.6	105.8	166.4	327.1	162.5	161.6	344.7	124.8
13.0	1948.7	574.2	94.1	50.7	48.1	310.2	68.8	52.8	195.9
112.2	73.4	185.7	11.0	22.7	272.0	21.4	23.2	161.6	60.1
13.5	1991.9	358.2	29.1	14.9	14.5	201.7	21.5	15.3	148.1
30.8	21.8	73.4	6.8	11.2	128.2	10.9	11.0	58.2	17.2
14.0	1223.7	168.6	12.7	8.2	8.1	130.7	12.5	8.2	76.4
16.6	12.7	32.5	4.5	7.3	55.8	7.2	7.2	27.9	8.7
14.5	598.8	92.5	8.5	7.7	7.7	84.8	12.2	7.6	41.6
15.1	12.2	22.0	4.8	7.7	31.3	7.6	7.6	20.2	7.3
15.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

NUMBER OF CRITICAL-DEPTH OUTFLOW NODES = 16
CRITICAL-DEPTH OUTFLOW NODE NUMBERS:
169 170 171 172 173 174 175 176 177 193

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	.05
11.00	.07
12.00	.72
13.00	.72
14.00	.07
15.00	.05
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) = 1.0000 INFLOW(CFS/LF) = .0000

1 N = .035OPEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.001	1440.001	.000	.000	.000	.000	.000	.000	.000
2	.001	1438.001	.000	.000	.000	.000	.000	.000	.000
3	.001	1444.001	.000	.000	.000	.000	.000	.000	.000
4	.001	1446.001	.000	.000	.000	.000	.000	.000	.000
5	.001	1436.001	.000	.000	.000	.000	.000	.000	.000
6	.001	1436.001	.000	.000	.000	.000	.000	.000	.000
7	.001	1437.001	.000	.000	.000	.000	.000	.000	.000
8	.006	1447.006	.000	.000	.000	.000	.000	.000	.000
9	.001	1433.001	.000	.000	.000	.000	.000	.000	.000
10	.001	1432.001	.000	.000	.000	.000	.000	.000	.000
11	.001	1436.001	.000	.000	.000	.000	.000	.000	.000
12	.001	1443.001	.000	.000	.000	.000	.000	.000	.000
13	.001	1425.001	.000	.000	.000	.000	.000	.000	.000
14	.001	1429.001	.000	.000	.000	.000	.000	.000	.000
15	.001	1430.001	.000	.000	.000	.000	.000	.000	.000
16	.001	1435.001	.000	.000	.000	.000	.000	.000	.000
17	.001	1421.001	.000	.000	.000	.000	.000	.000	.000
18	.001	1423.001	.000	.000	.000	.000	.000	.000	.000
19	.001	1426.001	.000	.000	.000	.000	.000	.000	.000
20	.001	1431.001	.000	.000	.000	.000	.000	.000	.000
21	.001	1417.001	.000	.000	.000	.000	.000	.000	.000
22	.001	1419.001	.000	.000	.000	.000	.000	.000	.000
23	.001	1419.001	.000	.000	.000	.000	.000	.000	.000
24	.001	1423.001	.000	.000	.000	.000	.000	.000	.000
25	.001	1413.001	.000	.000	.000	.000	.000	.000	.000
26	.001	1416.001	.000	.000	.000	.000	.000	.000	.000
27	.001	1414.001	.000	.000	.000	.000	.000	.000	.000
28	.001	1418.001	.000	.000	.000	.000	.000	.000	.000

31	.001	1410.001	.000	.000	.000	.000	.000	.000	.000
32	.001	1415.001	.000	.000	.000	.000	.000	.000	.000
33	.001	1405.001	.000	.000	.000	.000	.000	.000	.000
34	.001	1406.001	.000	.000	.000	.000	.000	.000	.000
35	.001	1407.001	.000	.000	.000	.000	.000	.000	.000
36	.001	1412.001	.000	.000	.000	.000	.000	.000	.000
37	.001	1400.001	.000	.000	.000	.000	.000	.000	.000
38	.001	1402.001	.000	.000	.000	.000	.000	.000	.000
39	.001	1404.001	.000	.000	.000	.000	.000	.000	.000
40	.001	1409.001	.000	.000	.000	.000	.000	.000	.000
41	.001	1396.001	.000	.000	.000	.000	.000	.000	.000
42	.001	1398.001	.000	.000	.000	.000	.000	.000	.000
43	.001	1400.001	.000	.000	.000	.000	.000	.000	.000
44	.001	1405.001	.000	.000	.000	.000	.000	.000	.000
45	.001	1392.001	.000	.000	.000	.000	.000	.000	.000
46	.001	1394.001	.000	.000	.000	.000	.000	.000	.000
47	.001	1397.001	.000	.000	.000	.000	.000	.000	.000
48	.001	1400.001	.000	.000	.000	.000	.000	.000	.000
49	.001	1389.001	.000	.000	.000	.000	.000	.000	.000
50	.001	1390.001	.000	.000	.000	.000	.000	.000	.000
51	.001	1392.001	.000	.000	.000	.000	.000	.000	.000
52	.001	1394.001	.000	.000	.000	.000	.000	.000	.000
53	.001	1399.001	.000	.000	.000	.000	.000	.000	.000
54	.001	1405.001	.000	.000	.000	.000	.000	.000	.000
55	.001	1409.001	.000	.000	.000	.000	.000	.000	.000
56	.001	1413.001	.000	.000	.000	.000	.000	.000	.000
57	.001	1417.001	.000	.000	.000	.000	.000	.000	.000
58	.001	1422.001	.000	.000	.000	.000	.000	.000	.000
59	.004	1427.004	.000	.000	.000	.000	.000	.000	.000
60	.001	1431.001	.000	.000	.000	.000	.000	.000	.000
61	.001	1435.001	.000	.000	.000	.000	.000	.000	.000
62	.001	1438.001	.000	.000	.000	.000	.000	.000	.000
63	.001	1441.001	.000	.000	.000	.000	.000	.000	.000
64	.001	1445.001	.000	.000	.000	.000	.000	.000	.000
65	.001	1447.001	.000	.000	.000	.000	.000	.000	.000
66	.001	1450.001	.000	.000	.000	.000	.000	.000	.000
67	.001	1449.001	.000	.000	.000	.000	.000	.000	.000
68	.001	1452.001	.000	.000	.000	.000	.000	.000	.000
69	.001	1455.001	.000	.000	.000	.000	.000	.000	.000
70	.001	1458.001	.000	.000	.000	.000	.000	.000	.000
71	.001	1461.001	.000	.000	.000	.000	.000	.000	.000
72	.001	1463.001	.000	.000	.000	.000	.000	.000	.000
73	.001	1386.001	.000	.000	.000	.000	.000	.000	.000
74	.001	1387.001	.000	.000	.000	.000	.000	.000	.000
75	.001	1389.001	.000	.000	.000	.000	.000	.000	.000
76	.001	1393.001	.000	.000	.000	.000	.000	.000	.000
77	.001	1397.001	.000	.000	.000	.000	.000	.000	.000
78	.001	1402.001	.000	.000	.000	.000	.000	.000	.000
79	.001	1407.001	.000	.000	.000	.000	.000	.000	.000
80	.001	1412.001	.000	.000	.000	.000	.000	.000	.000
81	.001	1418.001	.000	.000	.000	.000	.000	.000	.000
82	.001	1422.001	.000	.000	.000	.000	.000	.000	.000
83	.001	1425.001	.000	.000	.000	.000	.000	.000	.000
84	.001	1428.001	.000	.000	.000	.000	.000	.000	.000
85	.001	1433.001	.000	.000	.000	.000	.000	.000	.000
86	.001	1435.001	.000	.000	.000	.000	.000	.000	.000
87	.001	1438.001	.000	.000	.000	.000	.000	.000	.000
88	.001	1441.001	.000	.000	.000	.000	.000	.000	.000
89	.001	1443.001	.000	.000	.000	.000	.000	.000	.000
90	.001	1446.001	.000	.000	.000	.000	.000	.000	.000
91	.001	1446.001	.000	.000	.000	.000	.000	.000	.000
92	.001	1448.001	.000	.000	.000	.000	.000	.000	.000
93	.001	1451.001	.000	.000	.000	.000	.000	.000	.000
94	.001	1456.001	.000	.000	.000	.000	.000	.000	.000

97	.001	1382.001	.000	.000	.000	.000	.000	.000	.000
98	.001	1384.001	.000	.000	.000	.000	.000	.000	.000
99	.001	1387.001	.000	.000	.000	.000	.000	.000	.000
100	.001	1391.001	.000	.000	.000	.000	.000	.000	.000
101	.001	1397.001	.000	.000	.000	.000	.000	.000	.000
102	.001	1403.001	.000	.000	.000	.000	.000	.000	.000
103	.001	1407.001	.000	.000	.000	.000	.000	.000	.000
104	.001	1413.001	.000	.000	.000	.000	.000	.000	.000
105	.001	1416.001	.000	.000	.000	.000	.000	.000	.000
106	.001	1419.001	.000	.000	.000	.000	.000	.000	.000
107	.001	1422.001	.000	.000	.000	.000	.000	.000	.000
108	.001	1425.001	.000	.000	.000	.000	.000	.000	.000
109	.001	1429.001	.000	.000	.000	.000	.000	.000	.000
110	.001	1432.001	.000	.000	.000	.000	.000	.000	.000
111	.001	1434.001	.000	.000	.000	.000	.000	.000	.000
112	.001	1436.001	.000	.000	.000	.000	.000	.000	.000
113	.001	1438.001	.000	.000	.000	.000	.000	.000	.000
114	.001	1440.001	.000	.000	.000	.000	.000	.000	.000
115	.001	1443.001	.000	.000	.000	.000	.000	.000	.000
116	.001	1445.001	.000	.000	.000	.000	.000	.000	.000
117	.001	1449.001	.000	.000	.000	.000	.000	.000	.000
118	.001	1452.001	.000	.000	.000	.000	.000	.000	.000
119	.001	1454.001	.000	.000	.000	.000	.000	.000	.000
120	.001	1457.001	.000	.000	.000	.000	.000	.000	.000
121	.001	1380.001	.000	.000	.000	.000	.000	.000	.000
122	.001	1382.001	.000	.000	.000	.000	.000	.000	.000
123	.001	1386.001	.000	.000	.000	.000	.000	.000	.000
124	.001	1391.001	.000	.000	.000	.000	.000	.000	.000
125	.001	1396.001	.000	.000	.000	.000	.000	.000	.000
126	.001	1401.001	.000	.000	.000	.000	.000	.000	.000
127	.001	1407.001	.000	.000	.000	.000	.000	.000	.000
128	.001	1407.001	.000	.000	.000	.000	.000	.000	.000
129	.001	1412.001	.000	.000	.000	.000	.000	.000	.000
130	.001	1415.001	.000	.000	.000	.000	.000	.000	.000
131	.001	1418.001	.000	.000	.000	.000	.000	.000	.000
132	.001	1422.001	.000	.000	.000	.000	.000	.000	.000
133	.001	1426.001	.000	.000	.000	.000	.000	.000	.000
134	.001	1430.001	.000	.000	.000	.000	.000	.000	.000
135	.001	1430.001	.000	.000	.000	.000	.000	.000	.000
136	.001	1433.001	.000	.000	.000	.000	.000	.000	.000
137	.001	1435.001	.000	.000	.000	.000	.000	.000	.000
138	.001	1436.001	.000	.000	.000	.000	.000	.000	.000
139	.001	1439.001	.000	.000	.000	.000	.000	.000	.000
140	.001	1444.001	.000	.000	.000	.000	.000	.000	.000
141	.001	1446.001	.000	.000	.000	.000	.000	.000	.000
142	.001	1447.001	.000	.000	.000	.000	.000	.000	.000
143	.001	1451.001	.000	.000	.000	.000	.000	.000	.000
144	.001	1453.001	.000	.000	.000	.000	.000	.000	.000
145	.001	1378.001	.000	.000	.000	.000	.000	.000	.000
146	.001	1381.001	.000	.000	.000	.000	.000	.000	.000
147	.001	1384.001	.000	.000	.000	.000	.000	.000	.000
148	.001	1389.001	.000	.000	.000	.000	.000	.000	.000
149	.001	1394.001	.000	.000	.000	.000	.000	.000	.000
150	.001	1400.001	.000	.000	.000	.000	.000	.000	.000
151	.001	1402.001	.000	.000	.000	.000	.000	.000	.000
152	.001	1406.001	.000	.000	.000	.000	.000	.000	.000
153	.001	1410.001	.000	.000	.000	.000	.000	.000	.000
154	.001	1413.001	.000	.000	.000	.000	.000	.000	.000
155	.001	1417.001	.000	.000	.000	.000	.000	.000	.000
156	.001	1421.001	.000	.000	.000	.000	.000	.000	.000
157	.001	1424.001	.000	.000	.000	.000	.000	.000	.000
158	.001	1424.001	.000	.000	.000	.000	.000	.000	.000
159	.001	1426.001	.000	.000	.000	.000	.000	.000	.000
160	.001	1428.001	.000	.000	.000	.000	.000	.000	.000

162	.001	1433.001	.000	.000	.000	.000	.000	.000	.000
163	.001	1437.001	.000	.000	.000	.000	.000	.000	.000
164	.001	1441.001	.000	.000	.000	.000	.000	.000	.000
165	.001	1443.001	.000	.000	.000	.000	.000	.000	.000
166	.001	1445.001	.000	.000	.000	.000	.000	.000	.000
167	.001	1448.001	.000	.000	.000	.000	.000	.000	.000
168	.001	1452.001	.000	.000	.000	.000	.000	.000	.000
169	.001	1378.001	.000	.000	.000	.000	.000	.000	.000
170	.001	1381.001	.000	.000	.000	.000	.000	.000	.000
171	.001	1384.001	.000	.000	.000	.000	.000	.000	.000
172	.001	1388.001	.000	.000	.000	.000	.000	.000	.000
173	.001	1392.001	.000	.000	.000	.000	.000	.000	.000
174	.001	1397.001	.000	.000	.000	.000	.000	.000	.000
175	.001	1401.001	.000	.000	.000	.000	.000	.000	.000
176	.001	1405.001	.000	.000	.000	.000	.000	.000	.000
177	.001	1408.001	.000	.000	.000	.000	.000	.000	.000
178	.001	1411.001	.000	.000	.000	.000	.000	.000	.000
179	.001	1415.001	.000	.000	.000	.000	.000	.000	.000
180	.001	1417.001	.000	.000	.000	.000	.000	.000	.000
181	.001	1418.001	.000	.000	.000	.000	.000	.000	.000
182	.001	1421.001	.000	.000	.000	.000	.000	.000	.000
183	.001	1423.001	.000	.000	.000	.000	.000	.000	.000
184	.001	1425.001	.000	.000	.000	.000	.000	.000	.000
185	.001	1427.001	.000	.000	.000	.000	.000	.000	.000
186	.001	1433.001	.000	.000	.000	.000	.000	.000	.000
187	.001	1435.001	.000	.000	.000	.000	.000	.000	.000
188	.001	1437.001	.000	.000	.000	.000	.000	.000	.000
189	.001	1440.001	.000	.000	.000	.000	.000	.000	.000
190	.001	1442.001	.000	.000	.000	.000	.000	.000	.000
191	.001	1445.001	.000	.000	.000	.000	.000	.000	.000
192	.001	1448.001	.000	.000	.000	.000	.000	.000	.000
193	.001	1407.001	.000	.000	.000	.000	.000	.000	.000
194	.001	1411.001	.000	.000	.000	.000	.000	.000	.000
195	.001	1412.001	.000	.000	.000	.000	.000	.000	.000
196	.001	1415.001	.000	.000	.000	.000	.000	.000	.000
197	.001	1418.001	.000	.000	.000	.000	.000	.000	.000
198	.001	1420.001	.000	.000	.000	.000	.000	.000	.000
199	.001	1423.001	.000	.000	.000	.000	.000	.000	.000
200	.001	1427.001	.000	.000	.000	.000	.000	.000	.000
201	.001	1430.001	.000	.000	.000	.000	.000	.000	.000
202	.001	1433.001	.000	.000	.000	.000	.000	.000	.000
203	.001	1435.001	.000	.000	.000	.000	.000	.000	.000
204	.001	1437.001	.000	.000	.000	.000	.000	.000	.000
205	.001	1439.001	.000	.000	.000	.000	.000	.000	.000
206	.001	1443.001	.000	.000	.000	.000	.000	.000	.000
207	.001	1444.001	.000	.000	.000	.000	.000	.000	.000
208	.001	1410.001	.000	.000	.000	.000	.000	.000	.000
209	.001	1413.001	.000	.000	.000	.000	.000	.000	.000
210	.001	1415.001	.000	.000	.000	.000	.000	.000	.000
211	.001	1419.001	.000	.000	.000	.000	.000	.000	.000
212	.001	1422.001	.000	.000	.000	.000	.000	.000	.000
213	.001	1425.001	.000	.000	.000	.000	.000	.000	.000
214	.001	1427.001	.000	.000	.000	.000	.000	.000	.000
215	.001	1430.001	.000	.000	.000	.000	.000	.000	.000
216	.001	1432.001	.000	.000	.000	.000	.000	.000	.000
217	.001	1435.001	.000	.000	.000	.000	.000	.000	.000
218	.001	1439.001	.000	.000	.000	.000	.000	.000	.000
219	.001	1440.001	.000	.000	.000	.000	.000	.000	.000
220	.001	1441.001	.000	.000	.000	.000	.000	.000	.000
221	.001	1420.001	.000	.000	.000	.000	.000	.000	.000
222	.001	1423.001	.000	.000	.000	.000	.000	.000	.000
223	.001	1425.001	.000	.000	.000	.000	.000	.000	.000
224	.001	1428.001	.000	.000	.000	.000	.000	.000	.000
225	.001	1431.001	.000	.000	.000	.000	.000	.000	.000
226	.001	1434.001	.000	.000	.000	.000	.000	.000	.000

229	.001	1439.001	.000	.000	.000	.000	.000	.000	.000
230	.001	1422.001	.000	.000	.000	.000	.000	.000	.000
231	.001	1425.001	.000	.000	.000	.000	.000	.000	.000
232	.001	1428.001	.000	.000	.000	.000	.000	.000	.000
233	.001	1430.001	.000	.000	.000	.000	.000	.000	.000
234	.001	1432.001	.000	.000	.000	.000	.000	.000	.000
235	.001	1433.001	.000	.000	.000	.000	.000	.000	.000
236	.001	1434.001	.000	.000	.000	.000	.000	.000	.000
237	.001	1435.001	.000	.000	.000	.000	.000	.000	.000
238	.001	1422.001	.000	.000	.000	.000	.000	.000	.000
239	.001	1425.001	.000	.000	.000	.000	.000	.000	.000
240	.001	1427.001	.000	.000	.000	.000	.000	.000	.000
241	.001	1429.001	.000	.000	.000	.000	.000	.000	.000
242	.001	1430.001	.000	.000	.000	.000	.000	.000	.000
243	.001	1431.001	.000	.000	.000	.000	.000	.000	.000
244	.001	1431.001	.000	.000	.000	.000	.000	.000	.000
245	.001	1433.001	.000	.000	.000	.000	.000	.000	.000
246	.001	1424.001	.000	.000	.000	.000	.000	.000	.000
247	.001	1425.001	.000	.000	.000	.000	.000	.000	.000
248	.001	1426.001	.000	.000	.000	.000	.000	.000	.000
249	.001	1427.001	.000	.000	.000	.000	.000	.000	.000
250	.001	1428.001	.000	.000	.000	.000	.000	.000	.000
251	.001	1428.001	.000	.000	.000	.000	.000	.000	.000
252	.001	1428.001	.000	.000	.000	.000	.000	.000	.000
253	.001	1430.001	.000	.000	.000	.000	.000	.000	.000

MODEL TIME(HOURS) = 2.0000 INFLOW(CFS/LF) = .0000

1 N = .0350PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.002	1440.002	.000	.000	.000	.000	.000	.000	.000
2	.002	1438.002	.000	.000	.000	.000	.000	.000	.000
3	.002	1444.002	.000	.000	.000	.000	.000	.000	.000
4	.002	1446.002	.000	.000	.000	.000	.000	.000	.000
5	.002	1436.002	.000	.000	.000	.000	.000	.000	.000
6	.002	1436.002	.000	.000	.000	.000	.000	.000	.000
7	.002	1437.002	.000	.000	.000	.000	.000	.000	.000
8	.013	1447.013	.000	.000	.000	.000	.000	.000	.000
9	.002	1433.002	.000	.000	.000	.000	.000	.000	.000
10	.002	1432.002	.000	.000	.000	.000	.000	.000	.000
11	.002	1436.002	.000	.000	.000	.000	.000	.000	.000
12	.002	1443.002	.000	.000	.000	.000	.000	.000	.000
13	.002	1425.002	.000	.000	.000	.000	.000	.000	.000
14	.002	1429.002	.000	.000	.000	.000	.000	.000	.000
15	.002	1430.002	.000	.000	.000	.000	.000	.000	.000
16	.002	1435.002	.000	.000	.000	.000	.000	.000	.000
17	.002	1421.002	.000	.000	.000	.000	.000	.000	.000
18	.002	1423.002	.000	.000	.000	.000	.000	.000	.000
19	.002	1426.002	.000	.000	.000	.000	.000	.000	.000
20	.002	1431.002	.000	.000	.000	.000	.000	.000	.000
21	.002	1417.002	.000	.000	.000	.000	.000	.000	.000
22	.002	1419.002	.000	.000	.000	.000	.000	.000	.000
23	.002	1419.002	.000	.000	.000	.000	.000	.000	.000
24	.002	1423.002	.000	.000	.000	.000	.000	.000	.000
25	.002	1413.002	.000	.000	.000	.000	.000	.000	.000
26	.002	1416.002	.000	.000	.000	.000	.000	.000	.000
27	.002	1414.002	.000	.000	.000	.000	.000	.000	.000
28	.002	1418.002	.000	.000	.000	.000	.000	.000	.000
29	.002	1409.002	.000	.000	.000	.000	.000	.000	.000
30	.002	1414.002	.000	.000	.000	.000	.000	.000	.000

32	.002	1410.002	.000	.000	.000	.000	.000	.000	.000
33	.002	1405.002	.000	.000	.000	.000	.000	.000	.000
34	.002	1406.002	.000	.000	.000	.000	.000	.000	.000
35	.002	1407.002	.000	.000	.000	.000	.000	.000	.000
36	.002	1412.002	.000	.000	.000	.000	.000	.000	.000
37	.002	1400.002	.000	.000	.000	.000	.000	.000	.000
38	.002	1402.002	.000	.000	.000	.000	.000	.000	.000
39	.002	1404.002	.000	.000	.000	.000	.000	.000	.000
40	.002	1409.002	.000	.000	.000	.000	.000	.000	.000
41	.002	1396.002	.000	.000	.000	.000	.000	.000	.000
42	.002	1398.002	.000	.000	.000	.000	.000	.000	.000
43	.002	1400.002	.000	.000	.000	.000	.000	.000	.000
44	.002	1405.002	.000	.000	.000	.000	.000	.000	.000
45	.002	1392.002	.000	.000	.000	.000	.000	.000	.000
46	.002	1394.002	.000	.000	.000	.000	.000	.000	.000
47	.002	1397.002	.000	.000	.000	.000	.000	.000	.000
48	.002	1400.002	.000	.000	.000	.000	.000	.000	.000
49	.002	1389.002	.000	.000	.000	.000	.000	.000	.000
50	.002	1390.002	.000	.000	.000	.000	.000	.000	.000
51	.002	1392.002	.000	.000	.000	.000	.000	.000	.000
52	.002	1394.002	.000	.000	.000	.000	.000	.000	.000
53	.002	1399.002	.000	.000	.000	.000	.000	.000	.000
54	.002	1405.002	.000	.000	.000	.000	.000	.000	.000
55	.002	1409.002	.000	.000	.000	.000	.000	.000	.000
56	.002	1413.002	.000	.000	.000	.000	.000	.000	.000
57	.002	1417.002	.000	.000	.000	.000	.000	.000	.000
58	.002	1422.002	.000	.000	.000	.000	.000	.000	.000
59	.009	1427.009	.000	.000	.000	.000	.000	.000	.000
60	.002	1431.002	.000	.000	.000	.000	.000	.000	.000
61	.002	1435.002	.000	.000	.000	.000	.000	.000	.000
62	.002	1438.002	.000	.000	.000	.000	.000	.000	.000
63	.002	1441.002	.000	.000	.000	.000	.000	.000	.000
64	.002	1445.002	.000	.000	.000	.000	.000	.000	.000
65	.002	1447.002	.000	.000	.000	.000	.000	.000	.000
66	.002	1450.002	.000	.000	.000	.000	.000	.000	.000
67	.002	1449.002	.000	.000	.000	.000	.000	.000	.000
68	.002	1452.002	.000	.000	.000	.000	.000	.000	.000
69	.002	1455.002	.000	.000	.000	.000	.000	.000	.000
70	.002	1458.002	.000	.000	.000	.000	.000	.000	.000
71	.002	1461.002	.000	.000	.000	.000	.000	.000	.000
72	.002	1463.002	.000	.000	.000	.000	.000	.000	.000
73	.002	1386.002	.000	.000	.000	.000	.000	.000	.000
74	.002	1387.002	.000	.000	.000	.000	.000	.000	.000
75	.002	1389.002	.000	.000	.000	.000	.000	.000	.000
76	.002	1393.002	.000	.000	.000	.000	.000	.000	.000
77	.002	1397.002	.000	.000	.000	.000	.000	.000	.000
78	.002	1402.002	.000	.000	.000	.000	.000	.000	.000
79	.002	1407.002	.000	.000	.000	.000	.000	.000	.000
80	.002	1412.002	.000	.000	.000	.000	.000	.000	.000
81	.002	1418.002	.000	.000	.000	.000	.000	.000	.000
82	.002	1422.002	.000	.000	.000	.000	.000	.000	.000
83	.002	1425.002	.000	.000	.000	.000	.000	.000	.000
84	.002	1428.002	.000	.000	.000	.000	.000	.000	.000
85	.002	1433.002	.000	.000	.000	.000	.000	.000	.000
86	.002	1435.002	.000	.000	.000	.000	.000	.000	.000
87	.002	1438.002	.000	.000	.000	.000	.000	.000	.000
88	.002	1441.002	.000	.000	.000	.000	.000	.000	.000
89	.002	1443.002	.000	.000	.000	.000	.000	.000	.000
90	.002	1446.002	.000	.000	.000	.000	.000	.000	.000
91	.002	1446.002	.000	.000	.000	.000	.000	.000	.000
92	.002	1448.002	.000	.000	.000	.000	.000	.000	.000
93	.002	1451.002	.000	.000	.000	.000	.000	.000	.000
94	.002	1456.002	.000	.000	.000	.000	.000	.000	.000
95	.002	1458.002	.000	.000	.000	.000	.000	.000	.000
96	.002	1459.002	.000	.000	.000	.000	.000	.000	.000

99	.002	1387.002	.000	.000	.000	.000	.000	.000	.000
100	.002	1391.002	.000	.000	.000	.000	.000	.000	.000
101	.002	1397.002	.000	.000	.000	.000	.000	.000	.000
102	.002	1403.002	.000	.000	.000	.000	.000	.000	.000
103	.002	1407.002	.000	.000	.000	.000	.000	.000	.000
104	.002	1413.002	.000	.000	.000	.000	.000	.000	.000
105	.002	1416.002	.000	.000	.000	.000	.000	.000	.000
106	.002	1419.002	.000	.000	.000	.000	.000	.000	.000
107	.002	1422.002	.000	.000	.000	.000	.000	.000	.000
108	.002	1425.002	.000	.000	.000	.000	.000	.000	.000
109	.002	1429.002	.000	.000	.000	.000	.000	.000	.000
110	.002	1432.002	.000	.000	.000	.000	.000	.000	.000
111	.002	1434.002	.000	.000	.000	.000	.000	.000	.000
112	.002	1436.002	.000	.000	.000	.000	.000	.000	.000
113	.002	1438.002	.000	.000	.000	.000	.000	.000	.000
114	.002	1440.002	.000	.000	.000	.000	.000	.000	.000
115	.002	1443.002	.000	.000	.000	.000	.000	.000	.000
116	.002	1445.002	.000	.000	.000	.000	.000	.000	.000
117	.002	1449.002	.000	.000	.000	.000	.000	.000	.000
118	.002	1452.002	.000	.000	.000	.000	.000	.000	.000
119	.002	1454.002	.000	.000	.000	.000	.000	.000	.000
120	.002	1457.002	.000	.000	.000	.000	.000	.000	.000
121	.002	1380.002	.000	.000	.000	.000	.000	.000	.000
122	.002	1382.002	.000	.000	.000	.000	.000	.000	.000
123	.002	1386.002	.000	.000	.000	.000	.000	.000	.000
124	.002	1391.002	.000	.000	.000	.000	.000	.000	.000
125	.002	1396.002	.000	.000	.000	.000	.000	.000	.000
126	.002	1401.002	.000	.000	.000	.000	.000	.000	.000
127	.002	1407.002	.000	.000	.000	.000	.000	.000	.000
128	.002	1407.002	.000	.000	.000	.000	.000	.000	.000
129	.002	1412.002	.000	.000	.000	.000	.000	.000	.000
130	.002	1415.002	.000	.000	.000	.000	.000	.000	.000
131	.002	1418.002	.000	.000	.000	.000	.000	.000	.000
132	.002	1422.002	.000	.000	.000	.000	.000	.000	.000
133	.002	1426.002	.000	.000	.000	.000	.000	.000	.000
134	.002	1430.002	.000	.000	.000	.000	.000	.000	.000
135	.002	1430.002	.000	.000	.000	.000	.000	.000	.000
136	.002	1433.002	.000	.000	.000	.000	.000	.000	.000
137	.002	1435.002	.000	.000	.000	.000	.000	.000	.000
138	.002	1436.002	.000	.000	.000	.000	.000	.000	.000
139	.002	1439.002	.000	.000	.000	.000	.000	.000	.000
140	.002	1444.002	.000	.000	.000	.000	.000	.000	.000
141	.002	1446.002	.000	.000	.000	.000	.000	.000	.000
142	.002	1447.002	.000	.000	.000	.000	.000	.000	.000
143	.002	1451.002	.000	.000	.000	.000	.000	.000	.000
144	.002	1453.002	.000	.000	.000	.000	.000	.000	.000
145	.002	1378.002	.000	.000	.000	.000	.000	.000	.000
146	.002	1381.002	.000	.000	.000	.000	.000	.000	.000
147	.002	1384.002	.000	.000	.000	.000	.000	.000	.000
148	.002	1389.002	.000	.000	.000	.000	.000	.000	.000
149	.002	1394.002	.000	.000	.000	.000	.000	.000	.000
150	.002	1400.002	.000	.000	.000	.000	.000	.000	.000
151	.002	1402.002	.000	.000	.000	.000	.000	.000	.000
152	.002	1406.002	.000	.000	.000	.000	.000	.000	.000
153	.002	1410.002	.000	.000	.000	.000	.000	.000	.000
154	.002	1413.002	.000	.000	.000	.000	.000	.000	.000
155	.002	1417.002	.000	.000	.000	.000	.000	.000	.000
156	.002	1421.002	.000	.000	.000	.000	.000	.000	.000
157	.002	1424.002	.000	.000	.000	.000	.000	.000	.000
158	.002	1424.002	.000	.000	.000	.000	.000	.000	.000
159	.002	1426.002	.000	.000	.000	.000	.000	.000	.000
160	.002	1428.002	.000	.000	.000	.000	.000	.000	.000
161	.002	1430.002	.000	.000	.000	.000	.000	.000	.000
162	.002	1433.002	.000	.000	.000	.000	.000	.000	.000

164	.002	1441.002	.000	.000	.000	.000	.000	.000	.000
165	.002	1443.002	.000	.000	.000	.000	.000	.000	.000
166	.002	1445.002	.000	.000	.000	.000	.000	.000	.000
167	.002	1448.002	.000	.000	.000	.000	.000	.000	.000
168	.002	1452.002	.000	.000	.000	.000	.000	.000	.000
169	.001	1378.001	.000	.000	.000	.000	.000	.000	.000
170	.001	1381.001	.000	.000	.000	.000	.000	.000	.000
171	.001	1384.001	.000	.000	.000	.000	.000	.000	.000
172	.001	1388.001	.000	.000	.000	.000	.000	.000	.000
173	.001	1392.001	.000	.000	.000	.000	.000	.000	.000
174	.001	1397.001	.000	.000	.000	.000	.000	.000	.000
175	.001	1401.001	.000	.000	.000	.000	.000	.000	.000
176	.001	1405.001	.000	.000	.000	.000	.000	.000	.000
177	.001	1408.001	.000	.000	.000	.000	.000	.000	.000
178	.002	1411.002	.000	.000	.000	.000	.000	.000	.000
179	.002	1415.002	.000	.000	.000	.000	.000	.000	.000
180	.002	1417.002	.000	.000	.000	.000	.000	.000	.000
181	.002	1418.002	.000	.000	.000	.000	.000	.000	.000
182	.002	1421.002	.000	.000	.000	.000	.000	.000	.000
183	.002	1423.002	.000	.000	.000	.000	.000	.000	.000
184	.002	1425.002	.000	.000	.000	.000	.000	.000	.000
185	.002	1427.002	.000	.000	.000	.000	.000	.000	.000
186	.002	1433.002	.000	.000	.000	.000	.000	.000	.000
187	.002	1435.002	.000	.000	.000	.000	.000	.000	.000
188	.002	1437.002	.000	.000	.000	.000	.000	.000	.000
189	.002	1440.002	.000	.000	.000	.000	.000	.000	.000
190	.002	1442.002	.000	.000	.000	.000	.000	.000	.000
191	.002	1445.002	.000	.000	.000	.000	.000	.000	.000
192	.002	1448.002	.000	.000	.000	.000	.000	.000	.000
193	.001	1407.001	.000	.000	.000	.000	.000	.000	.000
194	.001	1411.001	.000	.000	.000	.000	.000	.000	.000
195	.002	1412.002	.000	.000	.000	.000	.000	.000	.000
196	.002	1415.002	.000	.000	.000	.000	.000	.000	.000
197	.002	1418.002	.000	.000	.000	.000	.000	.000	.000
198	.002	1420.002	.000	.000	.000	.000	.000	.000	.000
199	.002	1423.002	.000	.000	.000	.000	.000	.000	.000
200	.002	1427.002	.000	.000	.000	.000	.000	.000	.000
201	.002	1430.002	.000	.000	.000	.000	.000	.000	.000
202	.002	1433.002	.000	.000	.000	.000	.000	.000	.000
203	.002	1435.002	.000	.000	.000	.000	.000	.000	.000
204	.002	1437.002	.000	.000	.000	.000	.000	.000	.000
205	.002	1439.002	.000	.000	.000	.000	.000	.000	.000
206	.002	1443.002	.000	.000	.000	.000	.000	.000	.000
207	.002	1444.002	.000	.000	.000	.000	.000	.000	.000
208	.001	1410.001	.000	.000	.000	.000	.000	.000	.000
209	.001	1413.001	.000	.000	.000	.000	.000	.000	.000
210	.001	1415.001	.000	.000	.000	.000	.000	.000	.000
211	.001	1419.001	.000	.000	.000	.000	.000	.000	.000
212	.002	1422.002	.000	.000	.000	.000	.000	.000	.000
213	.002	1425.002	.000	.000	.000	.000	.000	.000	.000
214	.002	1427.002	.000	.000	.000	.000	.000	.000	.000
215	.002	1430.002	.000	.000	.000	.000	.000	.000	.000
216	.002	1432.002	.000	.000	.000	.000	.000	.000	.000
217	.002	1435.002	.000	.000	.000	.000	.000	.000	.000
218	.002	1439.002	.000	.000	.000	.000	.000	.000	.000
219	.002	1440.002	.000	.000	.000	.000	.000	.000	.000
220	.002	1441.002	.000	.000	.000	.000	.000	.000	.000
221	.001	1420.001	.000	.000	.000	.000	.000	.000	.000
222	.002	1423.002	.000	.000	.000	.000	.000	.000	.000
223	.002	1425.002	.000	.000	.000	.000	.000	.000	.000
224	.002	1428.002	.000	.000	.000	.000	.000	.000	.000
225	.002	1431.002	.000	.000	.000	.000	.000	.000	.000
226	.002	1434.002	.000	.000	.000	.000	.000	.000	.000
227	.002	1436.002	.000	.000	.000	.000	.000	.000	.000
228	.002	1437.002	.000	.000	.000	.000	.000	.000	.000

231	.002	1425.002	.000	.000	.000	.000	.000	.000	.000
232	.002	1428.002	.000	.000	.000	.000	.000	.000	.000
233	.002	1430.002	.000	.000	.000	.000	.000	.000	.000
234	.002	1432.002	.000	.000	.000	.000	.000	.000	.000
235	.002	1433.002	.000	.000	.000	.000	.000	.000	.000
236	.002	1434.002	.000	.000	.000	.000	.000	.000	.000
237	.002	1435.002	.000	.000	.000	.000	.000	.000	.000
238	.002	1422.002	.000	.000	.000	.000	.000	.000	.000
239	.002	1425.002	.000	.000	.000	.000	.000	.000	.000
240	.002	1427.002	.000	.000	.000	.000	.000	.000	.000
241	.002	1429.002	.000	.000	.000	.000	.000	.000	.000
242	.002	1430.002	.000	.000	.000	.000	.000	.000	.000
243	.002	1431.002	.000	.000	.000	.000	.000	.000	.000
244	.002	1431.002	.000	.000	.000	.000	.000	.000	.000
245	.002	1433.002	.000	.000	.000	.000	.000	.000	.000
246	.002	1424.002	.000	.000	.000	.000	.000	.000	.000
247	.002	1425.002	.000	.000	.000	.000	.000	.000	.000
248	.002	1426.002	.000	.000	.000	.000	.000	.000	.000
249	.002	1427.002	.000	.000	.000	.000	.000	.000	.000
250	.002	1428.002	.000	.000	.000	.000	.000	.000	.000
251	.002	1428.002	.000	.000	.000	.000	.000	.000	.000
252	.002	1428.002	.000	.000	.000	.000	.000	.000	.000
253	.002	1430.002	.000	.000	.000	.000	.000	.000	.000

MODEL TIME(HOURS) = 3.0000 INFLOW(CFS/LF) = .0000

1 N = .0350PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.004	1440.004	.000	.000	.000	.000	.000	.000	.000
2	.004	1438.004	.000	.000	.000	.000	.000	.000	.000
3	.004	1444.004	.000	.000	.000	.000	.000	.000	.000
4	.004	1446.004	.000	.000	.000	.000	.000	.000	.000
5	.004	1436.004	.000	.000	.000	.000	.000	.000	.000
6	.004	1436.004	.000	.000	.000	.000	.000	.000	.000
7	.004	1437.004	.000	.000	.000	.000	.000	.000	.000
8	.021	1447.021	.000	.000	.000	.000	.000	.000	.000
9	.004	1433.004	.000	.000	.000	.000	.000	.000	.000
10	.004	1432.004	.000	.000	.000	.000	.000	.000	.000
11	.004	1436.004	.000	.000	.000	.000	.000	.000	.000
12	.004	1443.004	.000	.000	.000	.000	.000	.000	.000
13	.004	1425.004	.000	.000	.000	.000	.000	.000	.000
14	.004	1429.004	.000	.000	.000	.000	.000	.000	.000
15	.004	1430.004	.000	.000	.000	.000	.000	.000	.000
16	.004	1435.004	.000	.000	.000	.000	.000	.000	.000
17	.004	1421.004	.000	.000	.000	.000	.000	.000	.000
18	.004	1423.004	.000	.000	.000	.000	.000	.000	.000
19	.004	1426.004	.000	.000	.000	.000	.000	.000	.000
20	.004	1431.004	.000	.000	.000	.000	.000	.000	.000
21	.004	1417.004	.000	.000	.000	.000	.000	.000	.000
22	.004	1419.004	.000	.000	.000	.000	.000	.000	.000
23	.004	1419.004	.000	.000	.000	.000	.000	.000	.000
24	.004	1423.004	.000	.000	.000	.000	.000	.000	.000
25	.004	1413.004	.000	.000	.000	.000	.000	.000	.000
26	.004	1416.004	.000	.000	.000	.000	.000	.000	.000
27	.004	1414.004	.000	.000	.000	.000	.000	.000	.000
28	.004	1418.004	.000	.000	.000	.000	.000	.000	.000
29	.004	1409.004	.000	.000	.000	.000	.000	.000	.000
30	.004	1414.004	.000	.000	.000	.000	.000	.000	.000
31	.004	1410.004	.000	.000	.000	.000	.000	.000	.000
32	.004	1415.004	.000	.000	.000	.000	.000	.000	.000

35	.004	1407.004	.000	.000	.000	.000	.000	.000	.000
36	.004	1412.004	.000	.000	.000	.000	.000	.000	.000
37	.004	1400.004	.000	.000	.000	.000	.000	.000	.000
38	.004	1402.004	.000	.000	.000	.000	.000	.000	.000
39	.004	1404.004	.000	.000	.000	.000	.000	.000	.000
40	.004	1409.004	.000	.000	.000	.000	.000	.000	.000
41	.004	1396.004	.000	.000	.000	.000	.000	.000	.000
42	.004	1398.004	.000	.000	.000	.000	.000	.000	.000
43	.004	1400.004	.000	.000	.000	.000	.000	.000	.000
44	.004	1405.004	.000	.000	.000	.000	.000	.000	.000
45	.004	1392.004	.000	.000	.000	.000	.000	.000	.000
46	.004	1394.004	.000	.000	.000	.000	.000	.000	.000
47	.004	1397.004	.000	.000	.000	.000	.000	.000	.000
48	.004	1400.004	.000	.000	.000	.000	.000	.000	.000
49	.004	1389.004	.000	.000	.000	.000	.000	.000	.000
50	.004	1390.004	.000	.000	.000	.000	.000	.000	.000
51	.004	1392.004	.000	.000	.000	.000	.000	.000	.000
52	.004	1394.004	.000	.000	.000	.000	.000	.000	.000
53	.004	1399.004	.000	.000	.000	.000	.000	.000	.000
54	.004	1405.004	.000	.000	.000	.000	.000	.000	.000
55	.004	1409.004	.000	.000	.000	.000	.000	.000	.000
56	.004	1413.004	.000	.000	.000	.000	.000	.000	.000
57	.004	1417.004	.000	.000	.000	.000	.000	.000	.000
58	.004	1422.004	.000	.000	.000	.000	.000	.000	.000
59	.015	1427.015	.000	.000	.000	.000	.000	.000	.000
60	.004	1431.004	.000	.000	.000	.000	.000	.000	.000
61	.004	1435.004	.000	.000	.000	.000	.000	.000	.000
62	.004	1438.004	.000	.000	.000	.000	.000	.000	.000
63	.004	1441.004	.000	.000	.000	.000	.000	.000	.000
64	.004	1445.004	.000	.000	.000	.000	.000	.000	.000
65	.004	1447.004	.000	.000	.000	.000	.000	.000	.000
66	.004	1450.004	.000	.000	.000	.000	.000	.000	.000
67	.004	1449.004	.000	.000	.000	.000	.000	.000	.000
68	.004	1452.004	.000	.000	.000	.000	.000	.000	.000
69	.004	1455.004	.000	.000	.000	.000	.000	.000	.000
70	.004	1458.004	.000	.000	.000	.000	.000	.000	.000
71	.004	1461.004	.000	.000	.000	.000	.000	.000	.000
72	.004	1463.004	.000	.000	.000	.000	.000	.000	.000
73	.004	1386.004	.000	.000	.000	.000	.000	.000	.000
74	.004	1387.004	.000	.000	.000	.000	.000	.000	.000
75	.004	1389.004	.000	.000	.000	.000	.000	.000	.000
76	.004	1393.004	.000	.000	.000	.000	.000	.000	.000
77	.004	1397.004	.000	.000	.000	.000	.000	.000	.000
78	.004	1402.004	.000	.000	.000	.000	.000	.000	.000
79	.004	1407.004	.000	.000	.000	.000	.000	.000	.000
80	.004	1412.004	.000	.000	.000	.000	.000	.000	.000
81	.004	1418.004	.000	.000	.000	.000	.000	.000	.000
82	.004	1422.004	.000	.000	.000	.000	.000	.000	.000
83	.004	1425.004	.000	.000	.000	.000	.000	.000	.000
84	.004	1428.004	.000	.000	.000	.000	.000	.000	.000
85	.004	1433.004	.000	.000	.000	.000	.000	.000	.000
86	.004	1435.004	.000	.000	.000	.000	.000	.000	.000
87	.004	1438.004	.000	.000	.000	.000	.000	.000	.000
88	.004	1441.004	.000	.000	.000	.000	.000	.000	.000
89	.004	1443.004	.000	.000	.000	.000	.000	.000	.000
90	.004	1446.004	.000	.000	.000	.000	.000	.000	.000
91	.004	1446.004	.000	.000	.000	.000	.000	.000	.000
92	.004	1448.004	.000	.000	.000	.000	.000	.000	.000
93	.004	1451.004	.000	.000	.000	.000	.000	.000	.000
94	.004	1456.004	.000	.000	.000	.000	.000	.000	.000
95	.004	1458.004	.000	.000	.000	.000	.000	.000	.000
96	.004	1459.004	.000	.000	.000	.000	.000	.000	.000
97	.004	1382.004	.000	.000	.000	.000	.000	.000	.000
98	.004	1384.004	.000	.000	.000	.000	.000	.000	.000

101	.004	1397.004	.000	.000	.000	.000	.000	.000	.000
102	.004	1403.004	.000	.000	.000	.000	.000	.000	.000
103	.004	1407.004	.000	.000	.000	.000	.000	.000	.000
104	.004	1413.004	.000	.000	.000	.000	.000	.000	.000
105	.004	1416.004	.000	.000	.000	.000	.000	.000	.000
106	.004	1419.004	.000	.000	.000	.000	.000	.000	.000
107	.004	1422.004	.000	.000	.000	.000	.000	.000	.000
108	.004	1425.004	.000	.000	.000	.000	.000	.000	.000
109	.004	1429.004	.000	.000	.000	.000	.000	.000	.000
110	.004	1432.004	.000	.000	.000	.000	.000	.000	.000
111	.004	1434.004	.000	.000	.000	.000	.000	.000	.000
112	.004	1436.004	.000	.000	.000	.000	.000	.000	.000
113	.004	1438.004	.000	.000	.000	.000	.000	.000	.000
114	.004	1440.004	.000	.000	.000	.000	.000	.000	.000
115	.004	1443.004	.000	.000	.000	.000	.000	.000	.000
116	.004	1445.004	.000	.000	.000	.000	.000	.000	.000
117	.004	1449.004	.000	.000	.000	.000	.000	.000	.000
118	.004	1452.004	.000	.000	.000	.000	.000	.000	.000
119	.004	1454.004	.000	.000	.000	.000	.000	.000	.000
120	.004	1457.004	.000	.000	.000	.000	.000	.000	.000
121	.004	1380.004	.000	.000	.000	.000	.000	.000	.000
122	.004	1382.004	.000	.000	.000	.000	.000	.000	.000
123	.004	1386.004	.000	.000	.000	.000	.000	.000	.000
124	.004	1391.004	.000	.000	.000	.000	.000	.000	.000
125	.004	1396.004	.000	.000	.000	.000	.000	.000	.000
126	.004	1401.004	.000	.000	.000	.000	.000	.000	.000
127	.004	1407.004	.000	.000	.000	.000	.000	.000	.000
128	.004	1407.004	.000	.000	.000	.000	.000	.000	.000
129	.004	1412.004	.000	.000	.000	.000	.000	.000	.000
130	.004	1415.004	.000	.000	.000	.000	.000	.000	.000
131	.004	1418.004	.000	.000	.000	.000	.000	.000	.000
132	.004	1422.004	.000	.000	.000	.000	.000	.000	.000
133	.004	1426.004	.000	.000	.000	.000	.000	.000	.000
134	.004	1430.004	.000	.000	.000	.000	.000	.000	.000
135	.004	1430.004	.000	.000	.000	.000	.000	.000	.000
136	.004	1433.004	.000	.000	.000	.000	.000	.000	.000
137	.004	1435.004	.000	.000	.000	.000	.000	.000	.000
138	.004	1436.004	.000	.000	.000	.000	.000	.000	.000
139	.004	1439.004	.000	.000	.000	.000	.000	.000	.000
140	.004	1444.004	.000	.000	.000	.000	.000	.000	.000
141	.004	1446.004	.000	.000	.000	.000	.000	.000	.000
142	.004	1447.004	.000	.000	.000	.000	.000	.000	.000
143	.004	1451.004	.000	.000	.000	.000	.000	.000	.000
144	.004	1453.004	.000	.000	.000	.000	.000	.000	.000
145	.004	1378.004	.000	.000	.000	.000	.000	.000	.000
146	.004	1381.004	.000	.000	.000	.000	.000	.000	.000
147	.004	1384.004	.000	.000	.000	.000	.000	.000	.000
148	.004	1389.004	.000	.000	.000	.000	.000	.000	.000
149	.004	1394.004	.000	.000	.000	.000	.000	.000	.000
150	.004	1400.004	.000	.000	.000	.000	.000	.000	.000
151	.004	1402.004	.000	.000	.000	.000	.000	.000	.000
152	.004	1406.004	.000	.000	.000	.000	.000	.000	.000
153	.004	1410.004	.000	.000	.000	.000	.000	.000	.000
154	.004	1413.004	.000	.000	.000	.000	.000	.000	.000
155	.004	1417.004	.000	.000	.000	.000	.000	.000	.000
156	.004	1421.004	.000	.000	.000	.000	.000	.000	.000
157	.004	1424.004	.000	.000	.000	.000	.000	.000	.000
158	.004	1424.004	.000	.000	.000	.000	.000	.000	.000
159	.004	1426.004	.000	.000	.000	.000	.000	.000	.000
160	.004	1428.004	.000	.000	.000	.000	.000	.000	.000
161	.004	1430.004	.000	.000	.000	.000	.000	.000	.000
162	.004	1433.004	.000	.000	.000	.000	.000	.000	.000
163	.004	1437.004	.000	.000	.000	.000	.000	.000	.000
164	.004	1441.004	.000	.000	.000	.000	.000	.000	.000

167	.004	1448.004	.000	.000	.000	.000	.000	.000	.000
168	.004	1452.004	.000	.000	.000	.000	.000	.000	.000
169	.001	1378.001	.000	.000	.000	.000	.000	.000	.000
170	.001	1381.001	.000	.000	.000	.000	.000	.000	.000
171	.001	1384.001	.000	.000	.000	.000	.000	.000	.000
172	.001	1388.001	.000	.000	.000	.000	.000	.000	.000
173	.001	1392.001	.000	.000	.000	.000	.000	.000	.000
174	.001	1397.001	.000	.000	.000	.000	.000	.000	.000
175	.001	1401.001	.000	.000	.000	.000	.000	.000	.000
176	.001	1405.001	.000	.000	.000	.000	.000	.000	.000
177	.001	1408.001	.000	.000	.000	.000	.000	.000	.000
178	.004	1411.004	.000	.000	.000	.000	.000	.000	.000
179	.004	1415.004	.000	.000	.000	.000	.000	.000	.000
180	.004	1417.004	.000	.000	.000	.000	.000	.000	.000
181	.004	1418.004	.000	.000	.000	.000	.000	.000	.000
182	.004	1421.004	.000	.000	.000	.000	.000	.000	.000
183	.004	1423.004	.000	.000	.000	.000	.000	.000	.000
184	.004	1425.004	.000	.000	.000	.000	.000	.000	.000
185	.004	1427.004	.000	.000	.000	.000	.000	.000	.000
186	.004	1433.004	.000	.000	.000	.000	.000	.000	.000
187	.004	1435.004	.000	.000	.000	.000	.000	.000	.000
188	.004	1437.004	.000	.000	.000	.000	.000	.000	.000
189	.004	1440.004	.000	.000	.000	.000	.000	.000	.000
190	.004	1442.004	.000	.000	.000	.000	.000	.000	.000
191	.004	1445.004	.000	.000	.000	.000	.000	.000	.000
192	.004	1448.004	.000	.000	.000	.000	.000	.000	.000
193	.001	1407.001	.000	.000	.000	.000	.000	.000	.000
194	.001	1411.001	.000	.000	.000	.000	.000	.000	.000
195	.004	1412.004	.000	.000	.000	.000	.000	.000	.000
196	.004	1415.004	.000	.000	.000	.000	.000	.000	.000
197	.004	1418.004	.000	.000	.000	.000	.000	.000	.000
198	.004	1420.004	.000	.000	.000	.000	.000	.000	.000
199	.004	1423.004	.000	.000	.000	.000	.000	.000	.000
200	.004	1427.004	.000	.000	.000	.000	.000	.000	.000
201	.004	1430.004	.000	.000	.000	.000	.000	.000	.000
202	.004	1433.004	.000	.000	.000	.000	.000	.000	.000
203	.004	1435.004	.000	.000	.000	.000	.000	.000	.000
204	.004	1437.004	.000	.000	.000	.000	.000	.000	.000
205	.004	1439.004	.000	.000	.000	.000	.000	.000	.000
206	.004	1443.004	.000	.000	.000	.000	.000	.000	.000
207	.004	1444.004	.000	.000	.000	.000	.000	.000	.000
208	.001	1410.001	.000	.000	.000	.000	.000	.000	.000
209	.001	1413.001	.000	.000	.000	.000	.000	.000	.000
210	.001	1415.001	.000	.000	.000	.000	.000	.000	.000
211	.001	1419.001	.000	.000	.000	.000	.000	.000	.000
212	.004	1422.004	.000	.000	.000	.000	.000	.000	.000
213	.004	1425.004	.000	.000	.000	.000	.000	.000	.000
214	.004	1427.004	.000	.000	.000	.000	.000	.000	.000
215	.004	1430.004	.000	.000	.000	.000	.000	.000	.000
216	.004	1432.004	.000	.000	.000	.000	.000	.000	.000
217	.004	1435.004	.000	.000	.000	.000	.000	.000	.000
218	.004	1439.004	.000	.000	.000	.000	.000	.000	.000
219	.004	1440.004	.000	.000	.000	.000	.000	.000	.000
220	.004	1441.004	.000	.000	.000	.000	.000	.000	.000
221	.001	1420.001	.000	.000	.000	.000	.000	.000	.000
222	.004	1423.004	.000	.000	.000	.000	.000	.000	.000
223	.004	1425.004	.000	.000	.000	.000	.000	.000	.000
224	.004	1428.004	.000	.000	.000	.000	.000	.000	.000
225	.004	1431.004	.000	.000	.000	.000	.000	.000	.000
226	.004	1434.004	.000	.000	.000	.000	.000	.000	.000
227	.004	1436.004	.000	.000	.000	.000	.000	.000	.000
228	.004	1437.004	.000	.000	.000	.000	.000	.000	.000
229	.004	1439.004	.000	.000	.000	.000	.000	.000	.000
230	.004	1422.004	.000	.000	.000	.000	.000	.000	.000

232	.004	1430.004	.000	.000	.000	.000	.000	.000	.000
233	.004	1430.004	.000	.000	.000	.000	.000	.000	.000
234	.004	1432.004	.000	.000	.000	.000	.000	.000	.000
235	.004	1433.004	.000	.000	.000	.000	.000	.000	.000
236	.004	1434.004	.000	.000	.000	.000	.000	.000	.000
237	.004	1435.004	.000	.000	.000	.000	.000	.000	.000
238	.004	1422.004	.000	.000	.000	.000	.000	.000	.000
239	.004	1425.004	.000	.000	.000	.000	.000	.000	.000
240	.004	1427.004	.000	.000	.000	.000	.000	.000	.000
241	.004	1429.004	.000	.000	.000	.000	.000	.000	.000
242	.004	1430.004	.000	.000	.000	.000	.000	.000	.000
243	.004	1431.004	.000	.000	.000	.000	.000	.000	.000
244	.004	1431.004	.000	.000	.000	.000	.000	.000	.000
245	.004	1433.004	.000	.000	.000	.000	.000	.000	.000
246	.004	1424.004	.000	.000	.000	.000	.000	.000	.000
247	.004	1425.004	.000	.000	.000	.000	.000	.000	.000
248	.004	1426.004	.000	.000	.000	.000	.000	.000	.000
249	.004	1427.004	.000	.000	.000	.000	.000	.000	.000
250	.004	1428.004	.000	.000	.000	.000	.000	.000	.000
251	.004	1428.004	.000	.000	.000	.000	.000	.000	.000
252	.004	1428.004	.000	.000	.000	.000	.000	.000	.000
253	.004	1430.004	.000	.000	.000	.000	.000	.000	.000

MODEL TIME(HOURS) = 4.0000 INFLOW(CFS/LF) = .0000

1 N = .0350PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.005	1440.005	.000	.000	.000	.000	.000	.000	.000
2	.005	1438.005	.000	.000	.000	.000	.000	.000	.000
3	.005	1444.005	.000	.000	.000	.000	.000	.000	.000
4	.005	1446.005	.000	.000	.000	.000	.000	.000	.000
5	.005	1436.005	.000	.000	.000	.000	.000	.000	.000
6	.005	1436.005	.000	.000	.000	.000	.000	.000	.000
7	.005	1437.005	.000	.000	.000	.000	.000	.000	.000
8	.029	1447.029	.000	.000	.000	.000	.000	.000	.000
9	.005	1433.005	.000	.000	.000	.000	.000	.000	.000
10	.005	1432.005	.000	.000	.000	.000	.000	.000	.000
11	.005	1436.005	.000	.000	.000	.000	.000	.000	.000
12	.005	1443.005	.000	.000	.000	.000	.000	.000	.000
13	.005	1425.005	.000	.000	.000	.000	.000	.000	.000
14	.005	1429.005	.000	.000	.000	.000	.000	.000	.000
15	.005	1430.005	.000	.000	.000	.000	.000	.000	.000
16	.005	1435.005	.000	.000	.000	.000	.000	.000	.000
17	.005	1421.005	.000	.000	.000	.000	.000	.000	.000
18	.005	1423.005	.000	.000	.000	.000	.000	.000	.000
19	.005	1426.005	.000	.000	.000	.000	.000	.000	.000
20	.005	1431.005	.000	.000	.000	.000	.000	.000	.000
21	.005	1417.005	.000	.000	.000	.000	.000	.000	.000
22	.005	1419.005	.000	.000	.000	.000	.000	.000	.000
23	.005	1419.005	.000	.000	.000	.000	.000	.000	.000
24	.005	1423.005	.000	.000	.000	.000	.000	.000	.000
25	.005	1413.005	.000	.000	.000	.000	.000	.000	.000
26	.005	1416.005	.000	.000	.000	.000	.000	.000	.000
27	.005	1414.005	.000	.000	.000	.000	.000	.000	.000
28	.005	1418.005	.000	.000	.000	.000	.000	.000	.000
29	.005	1409.005	.000	.000	.000	.000	.000	.000	.000
30	.005	1414.005	.000	.000	.000	.000	.000	.000	.000
31	.005	1410.005	.000	.000	.000	.000	.000	.000	.000
32	.005	1415.005	.000	.000	.000	.000	.000	.000	.000
33	.005	1405.005	.000	.000	.000	.000	.000	.000	.000
34	.005	1406.005	.000	.000	.000	.000	.000	.000	.000

37	.005	1400.005	.000	.000	.000	.000	.000	.000	.000
38	.005	1402.005	.000	.000	.000	.000	.000	.000	.000
39	.005	1404.005	.000	.000	.000	.000	.000	.000	.000
40	.005	1409.005	.000	.000	.000	.000	.000	.000	.000
41	.005	1396.005	.000	.000	.000	.000	.000	.000	.000
42	.005	1398.005	.000	.000	.000	.000	.000	.000	.000
43	.005	1400.005	.000	.000	.000	.000	.000	.000	.000
44	.005	1405.005	.000	.000	.000	.000	.000	.000	.000
45	.005	1392.005	.000	.000	.000	.000	.000	.000	.000
46	.005	1394.005	.000	.000	.000	.000	.000	.000	.000
47	.005	1397.005	.000	.000	.000	.000	.000	.000	.000
48	.005	1400.005	.000	.000	.000	.000	.000	.000	.000
49	.005	1389.005	.000	.000	.000	.000	.000	.000	.000
50	.005	1390.005	.000	.000	.000	.000	.000	.000	.000
51	.005	1392.005	.000	.000	.000	.000	.000	.000	.000
52	.005	1394.005	.000	.000	.000	.000	.000	.000	.000
53	.005	1399.005	.000	.000	.000	.000	.000	.000	.000
54	.005	1405.005	.000	.000	.000	.000	.000	.000	.000
55	.005	1409.005	.000	.000	.000	.000	.000	.000	.000
56	.005	1413.005	.000	.000	.000	.000	.000	.000	.000
57	.005	1417.005	.000	.000	.000	.000	.000	.000	.000
58	.005	1422.005	.000	.000	.000	.000	.000	.000	.000
59	.021	1427.021	.000	.000	.000	.000	.000	.000	.000
60	.005	1431.005	.000	.000	.000	.000	.000	.000	.000
61	.005	1435.005	.000	.000	.000	.000	.000	.000	.000
62	.005	1438.005	.000	.000	.000	.000	.000	.000	.000
63	.005	1441.005	.000	.000	.000	.000	.000	.000	.000
64	.005	1445.005	.000	.000	.000	.000	.000	.000	.000
65	.005	1447.005	.000	.000	.000	.000	.000	.000	.000
66	.005	1450.005	.000	.000	.000	.000	.000	.000	.000
67	.005	1449.005	.000	.000	.000	.000	.000	.000	.000
68	.005	1452.005	.000	.000	.000	.000	.000	.000	.000
69	.005	1455.005	.000	.000	.000	.000	.000	.000	.000
70	.005	1458.005	.000	.000	.000	.000	.000	.000	.000
71	.005	1461.005	.000	.000	.000	.000	.000	.000	.000
72	.005	1463.005	.000	.000	.000	.000	.000	.000	.000
73	.005	1386.005	.000	.000	.000	.000	.000	.000	.000
74	.005	1387.005	.000	.000	.000	.000	.000	.000	.000
75	.005	1389.005	.000	.000	.000	.000	.000	.000	.000
76	.005	1393.005	.000	.000	.000	.000	.000	.000	.000
77	.005	1397.005	.000	.000	.000	.000	.000	.000	.000
78	.005	1402.005	.000	.000	.000	.000	.000	.000	.000
79	.005	1407.005	.000	.000	.000	.000	.000	.000	.000
80	.005	1412.005	.000	.000	.000	.000	.000	.000	.000
81	.005	1418.005	.000	.000	.000	.000	.000	.000	.000
82	.005	1422.005	.000	.000	.000	.000	.000	.000	.000
83	.005	1425.005	.000	.000	.000	.000	.000	.000	.000
84	.005	1428.005	.000	.000	.000	.000	.000	.000	.000
85	.005	1433.005	.000	.000	.000	.000	.000	.000	.000
86	.005	1435.005	.000	.000	.000	.000	.000	.000	.000
87	.005	1438.005	.000	.000	.000	.000	.000	.000	.000
88	.005	1441.005	.000	.000	.000	.000	.000	.000	.000
89	.005	1443.005	.000	.000	.000	.000	.000	.000	.000
90	.005	1446.005	.000	.000	.000	.000	.000	.000	.000
91	.005	1446.005	.000	.000	.000	.000	.000	.000	.000
92	.005	1448.005	.000	.000	.000	.000	.000	.000	.000
93	.005	1451.005	.000	.000	.000	.000	.000	.000	.000
94	.005	1456.005	.000	.000	.000	.000	.000	.000	.000
95	.005	1458.005	.000	.000	.000	.000	.000	.000	.000
96	.005	1459.005	.000	.000	.000	.000	.000	.000	.000
97	.005	1382.005	.000	.000	.000	.000	.000	.000	.000
98	.005	1384.005	.000	.000	.000	.000	.000	.000	.000
99	.005	1387.005	.000	.000	.000	.000	.000	.000	.000
100	.005	1391.005	.000	.000	.000	.000	.000	.000	.000

103	.005	1407.005	.000	.000	.000	.000	.000	.000	.000
104	.005	1413.005	.000	.000	.000	.000	.000	.000	.000
105	.005	1416.005	.000	.000	.000	.000	.000	.000	.000
106	.005	1419.005	.000	.000	.000	.000	.000	.000	.000
107	.005	1422.005	.000	.000	.000	.000	.000	.000	.000
108	.005	1425.005	.000	.000	.000	.000	.000	.000	.000
109	.005	1429.005	.000	.000	.000	.000	.000	.000	.000
110	.005	1432.005	.000	.000	.000	.000	.000	.000	.000
111	.005	1434.005	.000	.000	.000	.000	.000	.000	.000
112	.005	1436.005	.000	.000	.000	.000	.000	.000	.000
113	.005	1438.005	.000	.000	.000	.000	.000	.000	.000
114	.005	1440.005	.000	.000	.000	.000	.000	.000	.000
115	.005	1443.005	.000	.000	.000	.000	.000	.000	.000
116	.005	1445.005	.000	.000	.000	.000	.000	.000	.000
117	.005	1449.005	.000	.000	.000	.000	.000	.000	.000
118	.005	1452.005	.000	.000	.000	.000	.000	.000	.000
119	.005	1454.005	.000	.000	.000	.000	.000	.000	.000
120	.005	1457.005	.000	.000	.000	.000	.000	.000	.000
121	.005	1380.005	.000	.000	.000	.000	.000	.000	.000
122	.005	1382.005	.000	.000	.000	.000	.000	.000	.000
123	.005	1386.005	.000	.000	.000	.000	.000	.000	.000
124	.005	1391.005	.000	.000	.000	.000	.000	.000	.000
125	.005	1396.005	.000	.000	.000	.000	.000	.000	.000
126	.005	1401.005	.000	.000	.000	.000	.000	.000	.000
127	.005	1407.005	.000	.000	.000	.000	.000	.000	.000
128	.005	1407.005	.000	.000	.000	.000	.000	.000	.000
129	.005	1412.005	.000	.000	.000	.000	.000	.000	.000
130	.005	1415.005	.000	.000	.000	.000	.000	.000	.000
131	.005	1418.005	.000	.000	.000	.000	.000	.000	.000
132	.005	1422.005	.000	.000	.000	.000	.000	.000	.000
133	.005	1426.005	.000	.000	.000	.000	.000	.000	.000
134	.005	1430.005	.000	.000	.000	.000	.000	.000	.000
135	.005	1430.005	.000	.000	.000	.000	.000	.000	.000
136	.005	1433.005	.000	.000	.000	.000	.000	.000	.000
137	.005	1435.005	.000	.000	.000	.000	.000	.000	.000
138	.005	1436.005	.000	.000	.000	.000	.000	.000	.000
139	.005	1439.005	.000	.000	.000	.000	.000	.000	.000
140	.005	1444.005	.000	.000	.000	.000	.000	.000	.000
141	.005	1446.005	.000	.000	.000	.000	.000	.000	.000
142	.005	1447.005	.000	.000	.000	.000	.000	.000	.000
143	.005	1451.005	.000	.000	.000	.000	.000	.000	.000
144	.005	1453.005	.000	.000	.000	.000	.000	.000	.000
145	.005	1378.005	.000	.000	.000	.000	.000	.000	.000
146	.005	1381.005	.000	.000	.000	.000	.000	.000	.000
147	.005	1384.005	.000	.000	.000	.000	.000	.000	.000
148	.005	1389.005	.000	.000	.000	.000	.000	.000	.000
149	.005	1394.005	.000	.000	.000	.000	.000	.000	.000
150	.005	1400.005	.000	.000	.000	.000	.000	.000	.000
151	.005	1402.005	.000	.000	.000	.000	.000	.000	.000
152	.005	1406.005	.000	.000	.000	.000	.000	.000	.000
153	.005	1410.005	.000	.000	.000	.000	.000	.000	.000
154	.005	1413.005	.000	.000	.000	.000	.000	.000	.000
155	.005	1417.005	.000	.000	.000	.000	.000	.000	.000
156	.005	1421.005	.000	.000	.000	.000	.000	.000	.000
157	.005	1424.005	.000	.000	.000	.000	.000	.000	.000
158	.005	1424.005	.000	.000	.000	.000	.000	.000	.000
159	.005	1426.005	.000	.000	.000	.000	.000	.000	.000
160	.005	1428.005	.000	.000	.000	.000	.000	.000	.000
161	.005	1430.005	.000	.000	.000	.000	.000	.000	.000
162	.005	1433.005	.000	.000	.000	.000	.000	.000	.000
163	.005	1437.005	.000	.000	.000	.000	.000	.000	.000
164	.005	1441.005	.000	.000	.000	.000	.000	.000	.000
165	.005	1443.005	.000	.000	.000	.000	.000	.000	.000
166	.005	1445.005	.000	.000	.000	.000	.000	.000	.000

169	.001	1378.001	.000	.000	.000	.000	.000	.000	.000
170	.001	1381.001	.000	.000	.000	.000	.000	.000	.000
171	.001	1384.001	.000	.000	.000	.000	.000	.000	.000
172	.001	1388.001	.000	.000	.000	.000	.000	.000	.000
173	.001	1392.001	.000	.000	.000	.000	.000	.000	.000
174	.001	1397.001	.000	.000	.000	.000	.000	.000	.000
175	.001	1401.001	.000	.000	.000	.000	.000	.000	.000
176	.001	1405.001	.000	.000	.000	.000	.000	.000	.000
177	.001	1408.001	.000	.000	.000	.000	.000	.000	.000
178	.005	1411.005	.000	.000	.000	.000	.000	.000	.000
179	.005	1415.005	.000	.000	.000	.000	.000	.000	.000
180	.005	1417.005	.000	.000	.000	.000	.000	.000	.000
181	.005	1418.005	.000	.000	.000	.000	.000	.000	.000
182	.005	1421.005	.000	.000	.000	.000	.000	.000	.000
183	.005	1423.005	.000	.000	.000	.000	.000	.000	.000
184	.005	1425.005	.000	.000	.000	.000	.000	.000	.000
185	.005	1427.005	.000	.000	.000	.000	.000	.000	.000
186	.005	1433.005	.000	.000	.000	.000	.000	.000	.000
187	.005	1435.005	.000	.000	.000	.000	.000	.000	.000
188	.005	1437.005	.000	.000	.000	.000	.000	.000	.000
189	.005	1440.005	.000	.000	.000	.000	.000	.000	.000
190	.005	1442.005	.000	.000	.000	.000	.000	.000	.000
191	.005	1445.005	.000	.000	.000	.000	.000	.000	.000
192	.005	1448.005	.000	.000	.000	.000	.000	.000	.000
193	.001	1407.001	.000	.000	.000	.000	.000	.000	.000
194	.001	1411.001	.000	.000	.000	.000	.000	.000	.000
195	.005	1412.005	.000	.000	.000	.000	.000	.000	.000
196	.005	1415.005	.000	.000	.000	.000	.000	.000	.000
197	.005	1418.005	.000	.000	.000	.000	.000	.000	.000
198	.005	1420.005	.000	.000	.000	.000	.000	.000	.000
199	.005	1423.005	.000	.000	.000	.000	.000	.000	.000
200	.005	1427.005	.000	.000	.000	.000	.000	.000	.000
201	.005	1430.005	.000	.000	.000	.000	.000	.000	.000
202	.005	1433.005	.000	.000	.000	.000	.000	.000	.000
203	.005	1435.005	.000	.000	.000	.000	.000	.000	.000
204	.005	1437.005	.000	.000	.000	.000	.000	.000	.000
205	.005	1439.005	.000	.000	.000	.000	.000	.000	.000
206	.005	1443.005	.000	.000	.000	.000	.000	.000	.000
207	.005	1444.005	.000	.000	.000	.000	.000	.000	.000
208	.001	1410.001	.000	.000	.000	.000	.000	.000	.000
209	.001	1413.001	.000	.000	.000	.000	.000	.000	.000
210	.001	1415.001	.000	.000	.000	.000	.000	.000	.000
211	.001	1419.001	.000	.000	.000	.000	.000	.000	.000
212	.005	1422.005	.000	.000	.000	.000	.000	.000	.000
213	.005	1425.005	.000	.000	.000	.000	.000	.000	.000
214	.005	1427.005	.000	.000	.000	.000	.000	.000	.000
215	.005	1430.005	.000	.000	.000	.000	.000	.000	.000
216	.005	1432.005	.000	.000	.000	.000	.000	.000	.000
217	.005	1435.005	.000	.000	.000	.000	.000	.000	.000
218	.005	1439.005	.000	.000	.000	.000	.000	.000	.000
219	.005	1440.005	.000	.000	.000	.000	.000	.000	.000
220	.005	1441.005	.000	.000	.000	.000	.000	.000	.000
221	.001	1420.001	.000	.000	.000	.000	.000	.000	.000
222	.005	1423.005	.000	.000	.000	.000	.000	.000	.000
223	.005	1425.005	.000	.000	.000	.000	.000	.000	.000
224	.005	1428.005	.000	.000	.000	.000	.000	.000	.000
225	.005	1431.005	.000	.000	.000	.000	.000	.000	.000
226	.005	1434.005	.000	.000	.000	.000	.000	.000	.000
227	.005	1436.005	.000	.000	.000	.000	.000	.000	.000
228	.005	1437.005	.000	.000	.000	.000	.000	.000	.000
229	.005	1439.005	.000	.000	.000	.000	.000	.000	.000
230	.005	1422.005	.000	.000	.000	.000	.000	.000	.000
231	.005	1425.005	.000	.000	.000	.000	.000	.000	.000
232	.005	1428.005	.000	.000	.000	.000	.000	.000	.000

235	.005	1433.005	.000	.000	.000	.000	.000	.000	.000
236	.005	1434.005	.000	.000	.000	.000	.000	.000	.000
237	.005	1435.005	.000	.000	.000	.000	.000	.000	.000
238	.005	1422.005	.000	.000	.000	.000	.000	.000	.000
239	.005	1425.005	.000	.000	.000	.000	.000	.000	.000
240	.005	1427.005	.000	.000	.000	.000	.000	.000	.000
241	.005	1429.005	.000	.000	.000	.000	.000	.000	.000
242	.005	1430.005	.000	.000	.000	.000	.000	.000	.000
243	.005	1431.005	.000	.000	.000	.000	.000	.000	.000
244	.005	1431.005	.000	.000	.000	.000	.000	.000	.000
245	.005	1433.005	.000	.000	.000	.000	.000	.000	.000
246	.005	1424.005	.000	.000	.000	.000	.000	.000	.000
247	.005	1425.005	.000	.000	.000	.000	.000	.000	.000
248	.005	1426.005	.000	.000	.000	.000	.000	.000	.000
249	.005	1427.005	.000	.000	.000	.000	.000	.000	.000
250	.005	1428.005	.000	.000	.000	.000	.000	.000	.000
251	.005	1428.005	.000	.000	.000	.000	.000	.000	.000
252	.005	1428.005	.000	.000	.000	.000	.000	.000	.000
253	.005	1430.005	.000	.000	.000	.000	.000	.000	.000

MODEL TIME(HOURS) = 5.0001 INFLOW(CFS/LF) = .0000

1 N = .0350PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.007	1440.007	.000	.000	.000	.000	.000	.000	.000
2	.007	1438.007	.000	.000	.000	.000	.000	.000	.000
3	.007	1444.007	.000	.000	.000	.000	.000	.000	.000
4	.007	1446.007	.000	.000	.000	.000	.000	.000	.000
5	.007	1436.007	.000	.000	.000	.000	.000	.000	.000
6	.007	1436.007	.000	.000	.000	.000	.000	.000	.000
7	.007	1437.007	.000	.000	.000	.000	.000	.000	.000
8	.038	1447.038	.000	.000	.000	.000	.000	.000	.000
9	.007	1433.007	.000	.000	.000	.000	.000	.000	.000
10	.007	1432.007	.000	.000	.000	.000	.000	.000	.000
11	.007	1436.007	.000	.000	.000	.000	.000	.000	.000
12	.007	1443.007	.000	.000	.000	.000	.000	.000	.000
13	.007	1425.007	.000	.000	.000	.000	.000	.000	.000
14	.007	1429.007	.000	.000	.000	.000	.000	.000	.000
15	.007	1430.007	.000	.000	.000	.000	.000	.000	.000
16	.007	1435.007	.000	.000	.000	.000	.000	.000	.000
17	.007	1421.007	.000	.000	.000	.000	.000	.000	.000
18	.007	1423.007	.000	.000	.000	.000	.000	.000	.000
19	.007	1426.007	.000	.000	.000	.000	.000	.000	.000
20	.007	1431.007	.000	.000	.000	.000	.000	.000	.000
21	.007	1417.007	.000	.000	.000	.000	.000	.000	.000
22	.007	1419.007	.000	.000	.000	.000	.000	.000	.000
23	.007	1419.007	.000	.000	.000	.000	.000	.000	.000
24	.007	1423.007	.000	.000	.000	.000	.000	.000	.000
25	.007	1413.007	.000	.000	.000	.000	.000	.000	.000
26	.007	1416.007	.000	.000	.000	.000	.000	.000	.000
27	.007	1414.007	.000	.000	.000	.000	.000	.000	.000
28	.007	1418.007	.000	.000	.000	.000	.000	.000	.000
29	.007	1409.007	.000	.000	.000	.000	.000	.000	.000
30	.007	1414.007	.000	.000	.000	.000	.000	.000	.000
31	.007	1410.007	.000	.000	.000	.000	.000	.000	.000
32	.007	1415.007	.000	.000	.000	.000	.000	.000	.000
33	.007	1405.007	.000	.000	.000	.000	.000	.000	.000
34	.007	1406.007	.000	.000	.000	.000	.000	.000	.000
35	.007	1407.007	.000	.000	.000	.000	.000	.000	.000
36	.007	1412.007	.000	.000	.000	.000	.000	.000	.000

38	.007	1402.007	.000	.000	.000	.000	.000	.000	.000
39	.007	1404.007	.000	.000	.000	.000	.000	.000	.000
40	.007	1409.007	.000	.000	.000	.000	.000	.000	.000
41	.007	1396.007	.000	.000	.000	.000	.000	.000	.000
42	.007	1398.007	.000	.000	.000	.000	.000	.000	.000
43	.007	1400.007	.000	.000	.000	.000	.000	.000	.000
44	.007	1405.007	.000	.000	.000	.000	.000	.000	.000
45	.007	1392.007	.000	.000	.000	.000	.000	.000	.000
46	.007	1394.007	.000	.000	.000	.000	.000	.000	.000
47	.007	1397.007	.000	.000	.000	.000	.000	.000	.000
48	.007	1400.007	.000	.000	.000	.000	.000	.000	.000
49	.007	1389.007	.000	.000	.000	.000	.000	.000	.000
50	.007	1390.007	.000	.000	.000	.000	.000	.000	.000
51	.007	1392.007	.000	.000	.000	.000	.000	.000	.000
52	.007	1394.007	.000	.000	.000	.000	.000	.000	.000
53	.007	1399.007	.000	.000	.000	.000	.000	.000	.000
54	.007	1405.007	.000	.000	.000	.000	.000	.000	.000
55	.007	1409.007	.000	.000	.000	.000	.000	.000	.000
56	.007	1413.007	.000	.000	.000	.000	.000	.000	.000
57	.007	1417.007	.000	.000	.000	.000	.000	.000	.000
58	.007	1422.007	.000	.000	.000	.000	.000	.000	.000
59	.027	1427.027	.000	.000	.000	.000	.000	.000	.000
60	.007	1431.007	.000	.000	.000	.000	.000	.000	.000
61	.007	1435.007	.000	.000	.000	.000	.000	.000	.000
62	.007	1438.007	.000	.000	.000	.000	.000	.000	.000
63	.007	1441.007	.000	.000	.000	.000	.000	.000	.000
64	.007	1445.007	.000	.000	.000	.000	.000	.000	.000
65	.007	1447.007	.000	.000	.000	.000	.000	.000	.000
66	.007	1450.007	.000	.000	.000	.000	.000	.000	.000
67	.007	1449.007	.000	.000	.000	.000	.000	.000	.000
68	.007	1452.007	.000	.000	.000	.000	.000	.000	.000
69	.007	1455.007	.000	.000	.000	.000	.000	.000	.000
70	.007	1458.007	.000	.000	.000	.000	.000	.000	.000
71	.007	1461.007	.000	.000	.000	.000	.000	.000	.000
72	.007	1463.007	.000	.000	.000	.000	.000	.000	.000
73	.007	1386.007	.000	.000	.000	.000	.000	.000	.000
74	.007	1387.007	.000	.000	.000	.000	.000	.000	.000
75	.007	1389.007	.000	.000	.000	.000	.000	.000	.000
76	.007	1393.007	.000	.000	.000	.000	.000	.000	.000
77	.007	1397.007	.000	.000	.000	.000	.000	.000	.000
78	.007	1402.007	.000	.000	.000	.000	.000	.000	.000
79	.007	1407.007	.000	.000	.000	.000	.000	.000	.000
80	.007	1412.007	.000	.000	.000	.000	.000	.000	.000
81	.007	1418.007	.000	.000	.000	.000	.000	.000	.000
82	.007	1422.007	.000	.000	.000	.000	.000	.000	.000
83	.007	1425.007	.000	.000	.000	.000	.000	.000	.000
84	.007	1428.007	.000	.000	.000	.000	.000	.000	.000
85	.007	1433.007	.000	.000	.000	.000	.000	.000	.000
86	.007	1435.007	.000	.000	.000	.000	.000	.000	.000
87	.007	1438.007	.000	.000	.000	.000	.000	.000	.000
88	.007	1441.007	.000	.000	.000	.000	.000	.000	.000
89	.007	1443.007	.000	.000	.000	.000	.000	.000	.000
90	.007	1446.007	.000	.000	.000	.000	.000	.000	.000
91	.007	1446.007	.000	.000	.000	.000	.000	.000	.000
92	.007	1448.007	.000	.000	.000	.000	.000	.000	.000
93	.007	1451.007	.000	.000	.000	.000	.000	.000	.000
94	.007	1456.007	.000	.000	.000	.000	.000	.000	.000
95	.007	1458.007	.000	.000	.000	.000	.000	.000	.000
96	.007	1459.007	.000	.000	.000	.000	.000	.000	.000
97	.007	1382.007	.000	.000	.000	.000	.000	.000	.000
98	.007	1384.007	.000	.000	.000	.000	.000	.000	.000
99	.007	1387.007	.000	.000	.000	.000	.000	.000	.000
100	.007	1391.007	.000	.000	.000	.000	.000	.000	.000
101	.007	1397.007	.000	.000	.000	.000	.000	.000	.000
102	.007	1403.007	.000	.000	.000	.000	.000	.000	.000

105	.007	1416.007	.000	.000	.000	.000	.000	.000	.000
106	.007	1419.007	.000	.000	.000	.000	.000	.000	.000
107	.007	1422.007	.000	.000	.000	.000	.000	.000	.000
108	.007	1425.007	.000	.000	.000	.000	.000	.000	.000
109	.007	1429.007	.000	.000	.000	.000	.000	.000	.000
110	.007	1432.007	.000	.000	.000	.000	.000	.000	.000
111	.007	1434.007	.000	.000	.000	.000	.000	.000	.000
112	.007	1436.007	.000	.000	.000	.000	.000	.000	.000
113	.007	1438.007	.000	.000	.000	.000	.000	.000	.000
114	.007	1440.007	.000	.000	.000	.000	.000	.000	.000
115	.007	1443.007	.000	.000	.000	.000	.000	.000	.000
116	.007	1445.007	.000	.000	.000	.000	.000	.000	.000
117	.007	1449.007	.000	.000	.000	.000	.000	.000	.000
118	.007	1452.007	.000	.000	.000	.000	.000	.000	.000
119	.007	1454.007	.000	.000	.000	.000	.000	.000	.000
120	.007	1457.007	.000	.000	.000	.000	.000	.000	.000
121	.007	1380.007	.000	.000	.000	.000	.000	.000	.000
122	.007	1382.007	.000	.000	.000	.000	.000	.000	.000
123	.007	1386.007	.000	.000	.000	.000	.000	.000	.000
124	.007	1391.007	.000	.000	.000	.000	.000	.000	.000
125	.007	1396.007	.000	.000	.000	.000	.000	.000	.000
126	.007	1401.007	.000	.000	.000	.000	.000	.000	.000
127	.007	1407.007	.000	.000	.000	.000	.000	.000	.000
128	.007	1407.007	.000	.000	.000	.000	.000	.000	.000
129	.007	1412.007	.000	.000	.000	.000	.000	.000	.000
130	.007	1415.007	.000	.000	.000	.000	.000	.000	.000
131	.007	1418.007	.000	.000	.000	.000	.000	.000	.000
132	.007	1422.007	.000	.000	.000	.000	.000	.000	.000
133	.007	1426.007	.000	.000	.000	.000	.000	.000	.000
134	.007	1430.007	.000	.000	.000	.000	.000	.000	.000
135	.007	1430.007	.000	.000	.000	.000	.000	.000	.000
136	.007	1433.007	.000	.000	.000	.000	.000	.000	.000
137	.007	1435.007	.000	.000	.000	.000	.000	.000	.000
138	.007	1436.007	.000	.000	.000	.000	.000	.000	.000
139	.007	1439.007	.000	.000	.000	.000	.000	.000	.000
140	.007	1444.007	.000	.000	.000	.000	.000	.000	.000
141	.007	1446.007	.000	.000	.000	.000	.000	.000	.000
142	.007	1447.007	.000	.000	.000	.000	.000	.000	.000
143	.007	1451.007	.000	.000	.000	.000	.000	.000	.000
144	.007	1453.007	.000	.000	.000	.000	.000	.000	.000
145	.007	1378.007	.000	.000	.000	.000	.000	.000	.000
146	.007	1381.007	.000	.000	.000	.000	.000	.000	.000
147	.007	1384.007	.000	.000	.000	.000	.000	.000	.000
148	.007	1389.007	.000	.000	.000	.000	.000	.000	.000
149	.007	1394.007	.000	.000	.000	.000	.000	.000	.000
150	.007	1400.007	.000	.000	.000	.000	.000	.000	.000
151	.007	1402.007	.000	.000	.000	.000	.000	.000	.000
152	.007	1406.007	.000	.000	.000	.000	.000	.000	.000
153	.007	1410.007	.000	.000	.000	.000	.000	.000	.000
154	.007	1413.007	.000	.000	.000	.000	.000	.000	.000
155	.007	1417.007	.000	.000	.000	.000	.000	.000	.000
156	.007	1421.007	.000	.000	.000	.000	.000	.000	.000
157	.007	1424.007	.000	.000	.000	.000	.000	.000	.000
158	.007	1424.007	.000	.000	.000	.000	.000	.000	.000
159	.007	1426.007	.000	.000	.000	.000	.000	.000	.000
160	.007	1428.007	.000	.000	.000	.000	.000	.000	.000
161	.007	1430.007	.000	.000	.000	.000	.000	.000	.000
162	.007	1433.007	.000	.000	.000	.000	.000	.000	.000
163	.007	1437.007	.000	.000	.000	.000	.000	.000	.000
164	.007	1441.007	.000	.000	.000	.000	.000	.000	.000
165	.007	1443.007	.000	.000	.000	.000	.000	.000	.000
166	.007	1445.007	.000	.000	.000	.000	.000	.000	.000
167	.007	1448.007	.000	.000	.000	.000	.000	.000	.000
168	.007	1452.007	.000	.000	.000	.000	.000	.000	.000

171	.001	1384.001	.000	.000	.000	.000	.000	.000	.000
172	.001	1388.001	.000	.000	.000	.000	.000	.000	.000
173	.001	1392.001	.000	.000	.000	.000	.000	.000	.000
174	.001	1397.001	.000	.000	.000	.000	.000	.000	.000
175	.001	1401.001	.000	.000	.000	.000	.000	.000	.000
176	.001	1405.001	.000	.000	.000	.000	.000	.000	.000
177	.001	1408.001	.000	.000	.000	.000	.000	.000	.000
178	.007	1411.007	.000	.000	.000	.000	.000	.000	.000
179	.007	1415.007	.000	.000	.000	.000	.000	.000	.000
180	.007	1417.007	.000	.000	.000	.000	.000	.000	.000
181	.007	1418.007	.000	.000	.000	.000	.000	.000	.000
182	.007	1421.007	.000	.000	.000	.000	.000	.000	.000
183	.007	1423.007	.000	.000	.000	.000	.000	.000	.000
184	.007	1425.007	.000	.000	.000	.000	.000	.000	.000
185	.007	1427.007	.000	.000	.000	.000	.000	.000	.000
186	.007	1433.007	.000	.000	.000	.000	.000	.000	.000
187	.007	1435.007	.000	.000	.000	.000	.000	.000	.000
188	.007	1437.007	.000	.000	.000	.000	.000	.000	.000
189	.007	1440.007	.000	.000	.000	.000	.000	.000	.000
190	.007	1442.007	.000	.000	.000	.000	.000	.000	.000
191	.007	1445.007	.000	.000	.000	.000	.000	.000	.000
192	.007	1448.007	.000	.000	.000	.000	.000	.000	.000
193	.001	1407.001	.000	.000	.000	.000	.000	.000	.000
194	.001	1411.001	.000	.000	.000	.000	.000	.000	.000
195	.007	1412.007	.000	.000	.000	.000	.000	.000	.000
196	.007	1415.007	.000	.000	.000	.000	.000	.000	.000
197	.007	1418.007	.000	.000	.000	.000	.000	.000	.000
198	.007	1420.007	.000	.000	.000	.000	.000	.000	.000
199	.007	1423.007	.000	.000	.000	.000	.000	.000	.000
200	.007	1427.007	.000	.000	.000	.000	.000	.000	.000
201	.007	1430.007	.000	.000	.000	.000	.000	.000	.000
202	.007	1433.007	.000	.000	.000	.000	.000	.000	.000
203	.007	1435.007	.000	.000	.000	.000	.000	.000	.000
204	.007	1437.007	.000	.000	.000	.000	.000	.000	.000
205	.007	1439.007	.000	.000	.000	.000	.000	.000	.000
206	.007	1443.007	.000	.000	.000	.000	.000	.000	.000
207	.007	1444.007	.000	.000	.000	.000	.000	.000	.000
208	.001	1410.001	.000	.000	.000	.000	.000	.000	.000
209	.001	1413.001	.000	.000	.000	.000	.000	.000	.000
210	.001	1415.001	.000	.000	.000	.000	.000	.000	.000
211	.001	1419.001	.000	.000	.000	.000	.000	.000	.000
212	.007	1422.007	.000	.000	.000	.000	.000	.000	.000
213	.007	1425.007	.000	.000	.000	.000	.000	.000	.000
214	.007	1427.007	.000	.000	.000	.000	.000	.000	.000
215	.007	1430.007	.000	.000	.000	.000	.000	.000	.000
216	.007	1432.007	.000	.000	.000	.000	.000	.000	.000
217	.007	1435.007	.000	.000	.000	.000	.000	.000	.000
218	.007	1439.007	.000	.000	.000	.000	.000	.000	.000
219	.007	1440.007	.000	.000	.000	.000	.000	.000	.000
220	.007	1441.007	.000	.000	.000	.000	.000	.000	.000
221	.001	1420.001	.000	.000	.000	.000	.000	.000	.000
222	.007	1423.007	.000	.000	.000	.000	.000	.000	.000
223	.007	1425.007	.000	.000	.000	.000	.000	.000	.000
224	.007	1428.007	.000	.000	.000	.000	.000	.000	.000
225	.007	1431.007	.000	.000	.000	.000	.000	.000	.000
226	.007	1434.007	.000	.000	.000	.000	.000	.000	.000
227	.007	1436.007	.000	.000	.000	.000	.000	.000	.000
228	.007	1437.007	.000	.000	.000	.000	.000	.000	.000
229	.007	1439.007	.000	.000	.000	.000	.000	.000	.000
230	.007	1422.007	.000	.000	.000	.000	.000	.000	.000
231	.007	1425.007	.000	.000	.000	.000	.000	.000	.000
232	.007	1428.007	.000	.000	.000	.000	.000	.000	.000
233	.007	1430.007	.000	.000	.000	.000	.000	.000	.000
234	.007	1432.007	.000	.000	.000	.000	.000	.000	.000

236	.007	1436.007	.000	.000	.000	.000	.000	.000	.000
237	.007	1435.007	.000	.000	.000	.000	.000	.000	.000
238	.007	1422.007	.000	.000	.000	.000	.000	.000	.000
239	.007	1425.007	.000	.000	.000	.000	.000	.000	.000
240	.007	1427.007	.000	.000	.000	.000	.000	.000	.000
241	.007	1429.007	.000	.000	.000	.000	.000	.000	.000
242	.007	1430.007	.000	.000	.000	.000	.000	.000	.000
243	.007	1431.007	.000	.000	.000	.000	.000	.000	.000
244	.007	1431.007	.000	.000	.000	.000	.000	.000	.000
245	.007	1433.007	.000	.000	.000	.000	.000	.000	.000
246	.007	1424.007	.000	.000	.000	.000	.000	.000	.000
247	.007	1425.007	.000	.000	.000	.000	.000	.000	.000
248	.007	1426.007	.000	.000	.000	.000	.000	.000	.000
249	.007	1427.007	.000	.000	.000	.000	.000	.000	.000
250	.007	1428.007	.000	.000	.000	.000	.000	.000	.000
251	.007	1428.007	.000	.000	.000	.000	.000	.000	.000
252	.007	1428.007	.000	.000	.000	.000	.000	.000	.000
253	.007	1430.007	.000	.000	.000	.000	.000	.000	.000

MODEL TIME(HOURS) = 6.0001 INFLOW(CFS/LF) = .0000

1 N = .0350PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.008	1440.008	.000	.000	.000	.000	.000	.000	.000
2	.008	1438.008	.000	.000	.000	.000	.000	.000	.000
3	.008	1444.008	.000	.000	.000	.000	.000	.000	.000
4	.008	1446.008	.000	.000	.000	.000	.000	.000	.000
5	.008	1436.008	.000	.000	.000	.000	.000	.000	.000
6	.008	1436.008	.000	.000	.000	.000	.000	.000	.000
7	.008	1437.008	.000	.000	.000	.000	.000	.000	.000
8	.048	1447.047	.000	.000	.000	.000	.000	.000	.000
9	.008	1433.008	.000	.000	.000	.000	.000	.000	.000
10	.008	1432.008	.000	.000	.000	.000	.000	.000	.000
11	.008	1436.008	.000	.000	.000	.000	.000	.000	.000
12	.008	1443.008	.000	.000	.000	.000	.000	.000	.000
13	.008	1425.008	.000	.000	.000	.000	.000	.000	.000
14	.008	1429.008	.000	.000	.000	.000	.000	.000	.000
15	.008	1430.008	.000	.000	.000	.000	.000	.000	.000
16	.008	1435.008	.000	.000	.000	.000	.000	.000	.000
17	.008	1421.008	.000	.000	.000	.000	.000	.000	.000
18	.008	1423.008	.000	.000	.000	.000	.000	.000	.000
19	.008	1426.008	.000	.000	.000	.000	.000	.000	.000
20	.008	1431.008	.000	.000	.000	.000	.000	.000	.000
21	.008	1417.008	.000	.000	.000	.000	.000	.000	.000
22	.008	1419.008	.000	.000	.000	.000	.000	.000	.000
23	.008	1419.008	.000	.000	.000	.000	.000	.000	.000
24	.008	1423.008	.000	.000	.000	.000	.000	.000	.000
25	.008	1413.008	.000	.000	.000	.000	.000	.000	.000
26	.008	1416.008	.000	.000	.000	.000	000	.000	.000
27	.008	1414.008	.000	.000	.000	.000	.000	.000	.000
28	.008	1418.008	.000	.000	.000	.000	.000	.000	.000
29	.008	1409.008	.000	.000	.000	.000	.000	.000	.000
30	.008	1414.008	.000	.000	.000	.000	.000	.000	.000
31	.008	1410.008	.000	.000	.000	.000	.000	.000	.000
32	.008	1415.008	.000	.000	.000	.000	.000	.000	.000
33	.008	1405.008	.000	.000	.000	.000	.000	.000	.000
34	.008	1406.008	.000	.000	.000	.000	.000	.000	.000
35	.008	1407.008	.000	.000	.000	.000	.000	.000	.000
36	.008	1412.008	.000	.000	.000	.000	.000	.000	.000
37	.008	1400.008	.000	.000	.000	.000	.000	.000	.000
38	.008	1402.008	.000	.000	.000	.000	.000	.000	.000

41	.008	1396.008	.000	.000	.000	.000	.000	.000	.000
42	.008	1398.008	.000	.000	.000	.000	.000	.000	.000
43	.008	1400.008	.000	.000	.000	.000	.000	.000	.000
44	.008	1405.008	.000	.000	.000	.000	.000	.000	.000
45	.008	1392.008	.000	.000	.000	.000	.000	.000	.000
46	.008	1394.008	.000	.000	.000	.000	.000	.000	.000
47	.008	1397.008	.000	.000	.000	.000	.000	.000	.000
48	.008	1400.008	.000	.000	.000	.000	.000	.000	.000
49	.008	1389.008	.000	.000	.000	.000	.000	.000	.000
50	.008	1390.008	.000	.000	.000	.000	.000	.000	.000
51	.008	1392.008	.000	.000	.000	.000	.000	.000	.000
52	.008	1394.008	.000	.000	.000	.000	.000	.000	.000
53	.008	1399.008	.000	.000	.000	.000	.000	.000	.000
54	.008	1405.008	.000	.000	.000	.000	.000	.000	.000
55	.008	1409.008	.000	.000	.000	.000	.000	.000	.000
56	.008	1413.008	.000	.000	.000	.000	.000	.000	.000
57	.008	1417.008	.000	.000	.000	.000	.000	.000	.000
58	.008	1422.008	.000	.000	.000	.000	.000	.000	.000
59	.034	1427.034	.000	.000	.000	.000	.000	.000	.000
60	.008	1431.008	.000	.000	.000	.000	.000	.000	.000
61	.008	1435.008	.000	.000	.000	.000	.000	.000	.000
62	.008	1438.008	.000	.000	.000	.000	.000	.000	.000
63	.008	1441.008	.000	.000	.000	.000	.000	.000	.000
64	.008	1445.008	.000	.000	.000	.000	.000	.000	.000
65	.008	1447.008	.000	.000	.000	.000	.000	.000	.000
66	.008	1450.008	.000	.000	.000	.000	.000	.000	.000
67	.008	1449.008	.000	.000	.000	.000	.000	.000	.000
68	.008	1452.008	.000	.000	.000	.000	.000	.000	.000
69	.008	1455.008	.000	.000	.000	.000	.000	.000	.000
70	.008	1458.008	.000	.000	.000	.000	.000	.000	.000
71	.008	1461.008	.000	.000	.000	.000	.000	.000	.000
72	.008	1463.008	.000	.000	.000	.000	.000	.000	.000
73	.008	1386.008	.000	.000	.000	.000	.000	.000	.000
74	.008	1387.008	.000	.000	.000	.000	.000	.000	.000
75	.008	1389.008	.000	.000	.000	.000	.000	.000	.000
76	.008	1393.008	.000	.000	.000	.000	.000	.000	.000
77	.008	1397.008	.000	.000	.000	.000	.000	.000	.000
78	.008	1402.008	.000	.000	.000	.000	.000	.000	.000
79	.008	1407.008	.000	.000	.000	.000	.000	.000	.000
80	.008	1412.008	.000	.000	.000	.000	.000	.000	.000
81	.008	1418.008	.000	.000	.000	.000	.000	.000	.000
82	.008	1422.008	.000	.000	.000	.000	.000	.000	.000
83	.008	1425.008	.000	.000	.000	.000	.000	.000	.000
84	.008	1428.008	.000	.000	.000	.000	.000	.000	.000
85	.008	1433.008	.000	.000	.000	.000	.000	.000	.000
86	.008	1435.008	.000	.000	.000	.000	.000	.000	.000
87	.008	1438.008	.000	.000	.000	.000	.000	.000	.000
88	.008	1441.008	.000	.000	.000	.000	.000	.000	.000
89	.008	1443.008	.000	.000	.000	.000	.000	.000	.000
90	.008	1446.008	.000	.000	.000	.000	.000	.000	.000
91	.008	1446.008	.000	.000	.000	.000	.000	.000	.000
92	.008	1448.008	.000	.000	.000	.000	.000	.000	.000
93	.008	1451.008	.000	.000	.000	.000	.000	.000	.000
94	.008	1456.008	.000	.000	.000	.000	.000	.000	.000
95	.008	1458.008	.000	.000	.000	.000	.000	.000	.000
96	.008	1459.008	.000	.000	.000	.000	.000	.000	.000
97	.008	1382.008	.000	.000	.000	.000	.000	.000	.000
98	.008	1384.008	.000	.000	.000	.000	.000	.000	.000
99	.008	1387.008	.000	.000	.000	.000	.000	.000	.000
100	.008	1391.008	.000	.000	.000	.000	.000	.000	.000
101	.008	1397.008	.000	.000	.000	.000	.000	.000	.000
102	.008	1403.008	.000	.000	.000	.000	.000	.000	.000
103	.008	1407.008	.000	.000	.000	.000	.000	.000	.000
104	.008	1413.008	.000	.000	.000	.000	.000	.000	.000

107	.008	1422.008	.000	.000	.000	.000	.000	.000	.000
108	.008	1425.008	.000	.000	.000	.000	.000	.000	.000
109	.008	1429.008	.000	.000	.000	.000	.000	.000	.000
110	.008	1432.008	.000	.000	.000	.000	.000	.000	.000
111	.008	1434.008	.000	.000	.000	.000	.000	.000	.000
112	.008	1436.008	.000	.000	.000	.000	.000	.000	.000
113	.008	1438.008	.000	.000	.000	.000	.000	.000	.000
114	.008	1440.008	.000	.000	.000	.000	.000	.000	.000
115	.008	1443.008	.000	.000	.000	.000	.000	.000	.000
116	.008	1445.008	.000	.000	.000	.000	.000	.000	.000
117	.008	1449.008	.000	.000	.000	.000	.000	.000	.000
118	.008	1452.008	.000	.000	.000	.000	.000	.000	.000
119	.008	1454.008	.000	.000	.000	.000	.000	.000	.000
120	.008	1457.008	.000	.000	.000	.000	.000	.000	.000
121	.008	1380.008	.000	.000	.000	.000	.000	.000	.000
122	.008	1382.008	.000	.000	.000	.000	.000	.000	.000
123	.008	1386.008	.000	.000	.000	.000	.000	.000	.000
124	.008	1391.008	.000	.000	.000	.000	.000	.000	.000
125	.008	1396.008	.000	.000	.000	.000	.000	.000	.000
126	.008	1401.008	.000	.000	.000	.000	.000	.000	.000
127	.008	1407.008	.000	.000	.000	.000	.000	.000	.000
128	.008	1407.008	.000	.000	.000	.000	.000	.000	.000
129	.008	1412.008	.000	.000	.000	.000	.000	.000	.000
130	.008	1415.008	.000	.000	.000	.000	.000	.000	.000
131	.008	1418.008	.000	.000	.000	.000	.000	.000	.000
132	.008	1422.008	.000	.000	.000	.000	.000	.000	.000
133	.008	1426.008	.000	.000	.000	.000	.000	.000	.000
134	.008	1430.008	.000	.000	.000	.000	.000	.000	.000
135	.008	1430.008	.000	.000	.000	.000	.000	.000	.000
136	.008	1433.008	.000	.000	.000	.000	.000	.000	.000
137	.008	1435.008	.000	.000	.000	.000	.000	.000	.000
138	.008	1436.008	.000	.000	.000	.000	.000	.000	.000
139	.008	1439.008	.000	.000	.000	.000	.000	.000	.000
140	.008	1444.008	.000	.000	.000	.000	.000	.000	.000
141	.008	1446.008	.000	.000	.000	.000	.000	.000	.000
142	.008	1447.008	.000	.000	.000	.000	.000	.000	.000
143	.008	1451.008	.000	.000	.000	.000	.000	.000	.000
144	.008	1453.008	.000	.000	.000	.000	.000	.000	.000
145	.008	1378.008	.000	.000	.000	.000	.000	.000	.000
146	.008	1381.008	.000	.000	.000	.000	.000	.000	.000
147	.008	1384.008	.000	.000	.000	.000	.000	.000	.000
148	.008	1389.008	.000	.000	.000	.000	.000	.000	.000
149	.008	1394.008	.000	.000	.000	.000	.000	.000	.000
150	.008	1400.008	.000	.000	.000	.000	.000	.000	.000
151	.008	1402.008	.000	.000	.000	.000	.000	.000	.000
152	.008	1406.008	.000	.000	.000	.000	.000	.000	.000
153	.008	1410.008	.000	.000	.000	.000	.000	.000	.000
154	.008	1413.008	.000	.000	.000	.000	.000	.000	.000
155	.008	1417.008	.000	.000	.000	.000	.000	.000	.000
156	.008	1421.008	.000	.000	.000	.000	.000	.000	.000
157	.008	1424.008	.000	.000	.000	.000	.000	.000	.000
158	.008	1424.008	.000	.000	.000	.000	.000	.000	.000
159	.008	1426.008	.000	.000	.000	.000	.000	.000	.000
160	.008	1428.008	.000	.000	.000	.000	.000	.000	.000
161	.008	1430.008	.000	.000	.000	.000	.000	.000	.000
162	.008	1433.008	.000	.000	.000	.000	.000	.000	.000
163	.008	1437.008	.000	.000	.000	.000	.000	.000	.000
164	.008	1441.008	.000	.000	.000	.000	.000	.000	.000
165	.008	1443.008	.000	.000	.000	.000	.000	.000	.000
166	.008	1445.008	.000	.000	.000	.000	.000	.000	.000
167	.008	1448.008	.000	.000	.000	.000	.000	.000	.000
168	.008	1452.008	.000	.000	.000	.000	.000	.000	.000
169	.001	1378.001	.000	.000	.000	.000	.000	.000	.000
170	.001	1381.001	.000	.000	.000	.000	.000	.000	.000

172	.001	1390.001	.000	.000	.000	.000	.000	.000	.000
173	.001	1392.001	.000	.000	.000	.000	.000	.000	.000
174	.001	1397.001	.000	.000	.000	.000	.000	.000	.000
175	.001	1401.001	.000	.000	.000	.000	.000	.000	.000
176	.001	1405.001	.000	.000	.000	.000	.000	.000	.000
177	.001	1408.001	.000	.000	.000	.000	.000	.000	.000
178	.008	1411.008	.000	.000	.000	.000	.000	.000	.000
179	.008	1415.008	.000	.000	.000	.000	.000	.000	.000
180	.008	1417.008	.000	.000	.000	.000	.000	.000	.000
181	.008	1418.008	.000	.000	.000	.000	.000	.000	.000
182	.008	1421.008	.000	.000	.000	.000	.000	.000	.000
183	.008	1423.008	.000	.000	.000	.000	.000	.000	.000
184	.008	1425.008	.000	.000	.000	.000	.000	.000	.000
185	.008	1427.008	.000	.000	.000	.000	.000	.000	.000
186	.008	1433.008	.000	.000	.000	.000	.000	.000	.000
187	.008	1435.008	.000	.000	.000	.000	.000	.000	.000
188	.008	1437.008	.000	.000	.000	.000	.000	.000	.000
189	.008	1440.008	.000	.000	.000	.000	.000	.000	.000
190	.008	1442.008	.000	.000	.000	.000	.000	.000	.000
191	.008	1445.008	.000	.000	.000	.000	.000	.000	.000
192	.008	1448.008	.000	.000	.000	.000	.000	.000	.000
193	.001	1407.001	.000	.000	.000	.000	.000	.000	.000
194	.001	1411.001	.000	.000	.000	.000	.000	.000	.000
195	.008	1412.008	.000	.000	.000	.000	.000	.000	.000
196	.008	1415.008	.000	.000	.000	.000	.000	.000	.000
197	.008	1418.008	.000	.000	.000	.000	.000	.000	.000
198	.008	1420.008	.000	.000	.000	.000	.000	.000	.000
199	.008	1423.008	.000	.000	.000	.000	.000	.000	.000
200	.008	1427.008	.000	.000	.000	.000	.000	.000	.000
201	.008	1430.008	.000	.000	.000	.000	.000	.000	.000
202	.008	1433.008	.000	.000	.000	.000	.000	.000	.000
203	.008	1435.008	.000	.000	.000	.000	.000	.000	.000
204	.008	1437.008	.000	.000	.000	.000	.000	.000	.000
205	.008	1439.008	.000	.000	.000	.000	.000	.000	.000
206	.008	1443.008	.000	.000	.000	.000	.000	.000	.000
207	.008	1444.008	.000	.000	.000	.000	.000	.000	.000
208	.001	1410.001	.000	.000	.000	.000	.000	.000	.000
209	.001	1413.001	.000	.000	.000	.000	.000	.000	.000
210	.001	1415.001	.000	.000	.000	.000	.000	.000	.000
211	.001	1419.001	.000	.000	.000	.000	.000	.000	.000
212	.008	1422.008	.000	.000	.000	.000	.000	.000	.000
213	.008	1425.008	.000	.000	.000	.000	.000	.000	.000
214	.008	1427.008	.000	.000	.000	.000	.000	.000	.000
215	.008	1430.008	.000	.000	.000	.000	.000	.000	.000
216	.008	1432.008	.000	.000	.000	.000	.000	.000	.000
217	.008	1435.008	.000	.000	.000	.000	.000	.000	.000
218	.008	1439.008	.000	.000	.000	.000	.000	.000	.000
219	.008	1440.008	.000	.000	.000	.000	.000	.000	.000
220	.008	1441.008	.000	.000	.000	.000	.000	.000	.000
221	.001	1420.001	.000	.000	.000	.000	.000	.000	.000
222	.008	1423.008	.000	.000	.000	.000	.000	.000	.000
223	.008	1425.008	.000	.000	.000	.000	.000	.000	.000
224	.008	1428.008	.000	.000	.000	.000	.000	.000	.000
225	.008	1431.008	.000	.000	.000	.000	.000	.000	.000
226	.008	1434.008	.000	.000	.000	.000	.000	.000	.000
227	.008	1436.008	.000	.000	.000	.000	.000	.000	.000
228	.008	1437.008	.000	.000	.000	.000	.000	.000	.000
229	.008	1439.008	.000	.000	.000	.000	.000	.000	.000
230	.008	1422.008	.000	.000	.000	.000	.000	.000	.000
231	.008	1425.008	.000	.000	.000	.000	.000	.000	.000
232	.008	1428.008	.000	.000	.000	.000	.000	.000	.000
233	.008	1430.008	.000	.000	.000	.000	.000	.000	.000
234	.008	1432.008	.000	.000	.000	.000	.000	.000	.000
235	.008	1433.008	.000	.000	.000	.000	.000	.000	.000
236	.008	1434.008	.000	.000	.000	.000	.000	.000	.000

238	.008	1422.008	.000	.000	.000	.000	.000	.000	.000
239	.008	1425.008	.000	.000	.000	.000	.000	.000	.000
240	.008	1427.008	.000	.000	.000	.000	.000	.000	.000
241	.008	1429.008	.000	.000	.000	.000	.000	.000	.000
242	.008	1430.008	.000	.000	.000	.000	.000	.000	.000
243	.008	1431.008	.000	.000	.000	.000	.000	.000	.000
244	.008	1431.008	.000	.000	.000	.000	.000	.000	.000
245	.008	1433.008	.000	.000	.000	.000	.000	.000	.000
246	.008	1424.008	.000	.000	.000	.000	.000	.000	.000
247	.008	1425.008	.000	.000	.000	.000	.000	.000	.000
248	.008	1426.008	.000	.000	.000	.000	.000	.000	.000
249	.008	1427.008	.000	.000	.000	.000	.000	.000	.000
250	.008	1428.008	.000	.000	.000	.000	.000	.000	.000
251	.008	1428.008	.000	.000	.000	.000	.000	.000	.000
252	.008	1428.008	.000	.000	.000	.000	.000	.000	.000
253	.008	1430.008	.000	.000	.000	.000	.000	.000	.000

MODEL TIME(HOURS) = 7.0001 INFLOW(CFS/LF) = .0000

1 N = .0350PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.010	1440.010	.000	.000	.000	.000	.000	.000	.000
2	.010	1438.010	.000	.000	.000	.000	.000	.000	.000
3	.010	1444.010	.000	.000	.000	.000	.000	.000	.000
4	.010	1446.010	.000	.000	.000	.000	.000	.000	.000
5	.010	1436.010	.000	.000	.000	.000	.000	.000	.000
6	.010	1436.010	.000	.000	.000	.000	.000	.000	.000
7	.010	1437.010	.000	.000	.000	.000	.000	.000	.000
8	.058	1447.058	.000	.000	.000	.000	.000	.000	.000
9	.010	1433.010	.000	.000	.000	.000	.000	.000	.000
10	.010	1432.010	.000	.000	.000	.000	.000	.000	.000
11	.010	1436.010	.000	.000	.000	.000	.000	.000	.000
12	.010	1443.010	.000	.000	.000	.000	.000	.000	.000
13	.010	1425.010	.000	.000	.000	.000	.000	.000	.000
14	.010	1429.010	.000	.000	.000	.000	.000	.000	.000
15	.010	1430.010	.000	.000	.000	.000	.000	.000	.000
16	.010	1435.010	.000	.000	.000	.000	.000	.000	.000
17	.010	1421.010	.000	.000	.000	.000	.000	.000	.000
18	.010	1423.010	.000	.000	.000	.000	.000	.000	.000
19	.010	1426.010	.000	.000	.000	.000	.000	.000	.000
20	.010	1431.010	.000	.000	.000	.000	.000	.000	.000
21	.010	1417.010	.000	.000	.000	.000	.000	.000	.000
22	.010	1419.010	.000	.000	.000	.000	.000	.000	.000
23	.010	1419.010	.000	.000	.000	.000	.000	.000	.000
24	.010	1423.010	.000	.000	.000	.000	.000	.000	.000
25	.010	1413.010	.000	.000	.000	.000	.000	.000	.000
26	.010	1416.010	.000	.000	.000	.000	.000	.000	.000
27	.010	1414.010	.000	.000	.000	.000	.000	.000	.000
28	.010	1418.010	.000	.000	.000	.000	.000	.000	.000
29	.010	1409.010	.000	.000	.000	.000	.000	.000	.000
30	.010	1414.010	.000	.000	.000	.000	.000	.000	.000
31	.010	1410.010	.000	.000	.000	.000	.000	.000	.000
32	.010	1415.010	.000	.000	.000	.000	.000	.000	.000
33	.010	1405.010	.000	.000	.000	.000	.000	.000	.000
34	.010	1406.010	.000	.000	.000	.000	.000	.000	.000
35	.010	1407.010	.000	.000	.000	.000	.000	.000	.000
36	.010	1412.010	.000	.000	.000	.000	.000	.000	.000
37	.010	1400.010	.000	.000	.000	.000	.000	.000	.000
38	.010	1402.010	.000	.000	.000	.000	.000	.000	.000
39	.010	1404.010	.000	.000	.000	.000	.000	.000	.000
40	.010	1409.010	.000	.000	.000	.000	.000	.000	.000

42	.010	1393.010	.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	.010	1400.010	.000	.000	.000	.000	.000	.000	.000
44	.010	1405.010	.000	.000	.000	.000	.000	.000	.000
45	.010	1392.010	.000	.000	.000	.000	.000	.000	.000
46	.010	1394.010	.000	.000	.000	.000	.000	.000	.000
47	.010	1397.010	.000	.000	.000	.000	.000	.000	.000
48	.010	1400.010	.000	.000	.000	.000	.000	.000	.000
49	.010	1389.010	.000	.000	.000	.000	.000	.000	.000
50	.010	1390.010	.000	.000	.000	.000	.000	.000	.000
51	.010	1392.010	.000	.000	.000	.000	.000	.000	.000
52	.010	1394.010	.000	.000	.000	.000	.000	.000	.000
53	.010	1399.010	.000	.000	.000	.000	.000	.000	.000
54	.010	1405.010	.000	.000	.000	.000	.000	.000	.000
55	.010	1409.010	.000	.000	.000	.000	.000	.000	.000
56	.010	1413.010	.000	.000	.000	.000	.000	.000	.000
57	.010	1417.010	.000	.000	.000	.000	.000	.000	.000
58	.010	1422.010	.000	.000	.000	.000	.000	.000	.000
59	.041	1427.041	.000	.000	.000	.000	.000	.000	.000
60	.010	1431.010	.000	.000	.000	.000	.000	.000	.000
61	.010	1435.010	.000	.000	.000	.000	.000	.000	.000
62	.010	1438.010	.000	.000	.000	.000	.000	.000	.000
63	.010	1441.010	.000	.000	.000	.000	.000	.000	.000
64	.010	1445.010	.000	.000	.000	.000	.000	.000	.000
65	.010	1447.010	.000	.000	.000	.000	.000	.000	.000
66	.010	1450.010	.000	.000	.000	.000	.000	.000	.000
67	.010	1449.010	.000	.000	.000	.000	.000	.000	.000
68	.010	1452.010	.000	.000	.000	.000	.000	.000	.000
69	.010	1455.010	.000	.000	.000	.000	.000	.000	.000
70	.010	1458.010	.000	.000	.000	.000	.000	.000	.000
71	.010	1461.010	.000	.000	.000	.000	.000	.000	.000
72	.010	1463.010	.000	.000	.000	.000	.000	.000	.000
73	.010	1386.010	.000	.000	.000	.000	.000	.000	.000
74	.010	1387.010	.000	.000	.000	.000	.000	.000	.000
75	.010	1389.010	.000	.000	.000	.000	.000	.000	.000
76	.010	1393.010	.000	.000	.000	.000	.000	.000	.000
77	.010	1397.010	.000	.000	.000	.000	.000	.000	.000
78	.010	1402.010	.000	.000	.000	.000	.000	.000	.000
79	.010	1407.010	.000	.000	.000	.000	.000	.000	.000
80	.010	1412.010	.000	.000	.000	.000	.000	.000	.000
81	.010	1418.010	.000	.000	.000	.000	.000	.000	.000
82	.010	1422.010	.000	.000	.000	.000	.000	.000	.000
83	.010	1425.010	.000	.000	.000	.000	.000	.000	.000
84	.010	1428.010	.000	.000	.000	.000	.000	.000	.000
85	.010	1433.010	.000	.000	.000	.000	.000	.000	.000
86	.010	1435.010	.000	.000	.000	.000	.000	.000	.000
87	.010	1438.010	.000	.000	.000	.000	.000	.000	.000
88	.010	1441.010	.000	.000	.000	.000	.000	.000	.000
89	.010	1443.010	.000	.000	.000	.000	.000	.000	.000
90	.010	1446.010	.000	.000	.000	.000	.000	.000	.000
91	.010	1446.010	.000	.000	.000	.000	.000	.000	.000
92	.010	1448.010	.000	.000	.000	.000	.000	.000	.000
93	.010	1451.010	.000	.000	.000	.000	.000	.000	.000
94	.010	1456.010	.000	.000	.000	.000	.000	.000	.000
95	.010	1458.010	.000	.000	.000	.000	.000	.000	.000
96	.010	1459.010	.000	.000	.000	.000	.000	.000	.000
97	.010	1382.010	.000	.000	.000	.000	.000	.000	.000
98	.010	1384.010	.000	.000	.000	.000	.000	.000	.000
99	.010	1387.010	.000	.000	.000	.000	.000	.000	.000
100	.010	1391.010	.000	.000	.000	.000	.000	.000	.000
101	.010	1397.010	.000	.000	.000	.000	.000	.000	.000
102	.010	1403.010	.000	.000	.000	.000	.000	.000	.000
103	.010	1407.010	.000	.000	.000	.000	.000	.000	.000
104	.010	1413.010	.000	.000	.000	.000	.000	.000	.000
105	.010	1416.010	.000	.000	.000	.000	.000	.000	.000
106	.010	1419.010	.000	.000	.000	.000	.000	.000	.000

109	.010	1429.010	.000	.000	.000	.000	.000	.000	.000
110	.010	1432.010	.000	.000	.000	.000	.000	.000	.000
111	.010	1434.010	.000	.000	.000	.000	.000	.000	.000
112	.010	1436.010	.000	.000	.000	.000	.000	.000	.000
113	.010	1438.010	.000	.000	.000	.000	.000	.000	.000
114	.010	1440.010	.000	.000	.000	.000	.000	.000	.000
115	.010	1443.010	.000	.000	.000	.000	.000	.000	.000
116	.010	1445.010	.000	.000	.000	.000	.000	.000	.000
117	.010	1449.010	.000	.000	.000	.000	.000	.000	.000
118	.010	1452.010	.000	.000	.000	.000	.000	.000	.000
119	.010	1454.010	.000	.000	.000	.000	.000	.000	.000
120	.010	1457.010	.000	.000	.000	.000	.000	.000	.000
121	.010	1380.010	.000	.000	.000	.000	.000	.000	.000
122	.010	1382.010	.000	.000	.000	.000	.000	.000	.000
123	.010	1386.010	.000	.000	.000	.000	.000	.000	.000
124	.010	1391.010	.000	.000	.000	.000	.000	.000	.000
125	.010	1396.010	.000	.000	.000	.000	.000	.000	.000
126	.010	1401.010	.000	.000	.000	.000	.000	.000	.000
127	.010	1407.010	.000	.000	.000	.000	.000	.000	.000
128	.010	1407.010	.000	.000	.000	.000	.000	.000	.000
129	.010	1412.010	.000	.000	.000	.000	.000	.000	.000
130	.010	1415.010	.000	.000	.000	.000	.000	.000	.000
131	.010	1418.010	.000	.000	.000	.000	.000	.000	.000
132	.010	1422.010	.000	.000	.000	.000	.000	.000	.000
133	.010	1426.010	.000	.000	.000	.000	.000	.000	.000
134	.010	1430.010	.000	.000	.000	.000	.000	.000	.000
135	.010	1430.010	.000	.000	.000	.000	.000	.000	.000
136	.010	1433.010	.000	.000	.000	.000	.000	.000	.000
137	.010	1435.010	.000	.000	.000	.000	.000	.000	.000
138	.010	1436.010	.000	.000	.000	.000	.000	.000	.000
139	.010	1439.010	.000	.000	.000	.000	.000	.000	.000
140	.010	1444.010	.000	.000	.000	.000	.000	.000	.000
141	.010	1446.010	.000	.000	.000	.000	.000	.000	.000
142	.010	1447.010	.000	.000	.000	.000	.000	.000	.000
143	.010	1451.010	.000	.000	.000	.000	.000	.000	.000
144	.010	1453.010	.000	.000	.000	.000	.000	.000	.000
145	.010	1378.010	.000	.000	.000	.000	.000	.000	.000
146	.010	1381.010	.000	.000	.000	.000	.000	.000	.000
147	.010	1384.010	.000	.000	.000	.000	.000	.000	.000
148	.010	1389.010	.000	.000	.000	.000	.000	.000	.000
149	.010	1394.010	.000	.000	.000	.000	.000	.000	.000
150	.010	1400.010	.000	.000	.000	.000	.000	.000	.000
151	.010	1402.010	.000	.000	.000	.000	.000	.000	.000
152	.010	1406.010	.000	.000	.000	.000	.000	.000	.000
153	.010	1410.010	.000	.000	.000	.000	.000	.000	.000
154	.010	1413.010	.000	.000	.000	.000	.000	.000	.000
155	.010	1417.010	.000	.000	.000	.000	.000	.000	.000
156	.010	1421.010	.000	.000	.000	.000	.000	.000	.000
157	.010	1424.010	.000	.000	.000	.000	.000	.000	.000
158	.010	1424.010	.000	.000	.000	.000	.000	.000	.000
159	.010	1426.010	.000	.000	.000	.000	.000	.000	.000
160	.010	1428.010	.000	.000	.000	.000	.000	.000	.000
161	.010	1430.010	.000	.000	.000	.000	.000	.000	.000
162	.010	1433.010	.000	.000	.000	.000	.000	.000	.000
163	.010	1437.010	.000	.000	.000	.000	.000	.000	.000
164	.010	1441.010	.000	.000	.000	.000	.000	.000	.000
165	.010	1443.010	.000	.000	.000	.000	.000	.000	.000
166	.010	1445.010	.000	.000	.000	.000	.000	.000	.000
167	.010	1448.010	.000	.000	.000	.000	.000	.000	.000
168	.010	1452.010	.000	.000	.000	.000	.000	.000	.000
169	.001	1378.001	.000	.000	.000	.000	.000	.000	.000
170	.001	1381.001	.000	.000	.000	.000	.000	.000	.000
171	.001	1384.001	.000	.000	.000	.000	.000	.000	.000
172	.001	1388.001	.000	.000	.000	.000	.000	.000	.000

175	.001	1401.001	.000	.000	.000	.000	.000	.000	.000
176	.001	1405.001	.000	.000	.000	.000	.000	.000	.000
177	.001	1408.001	.000	.000	.000	.000	.000	.000	.000
178	.010	1411.010	.000	.000	.000	.000	.000	.000	.000
179	.010	1415.010	.000	.000	.000	.000	.000	.000	.000
180	.010	1417.010	.000	.000	.000	.000	.000	.000	.000
181	.010	1418.010	.000	.000	.000	.000	.000	.000	.000
182	.010	1421.010	.000	.000	.000	.000	.000	.000	.000
183	.010	1423.010	.000	.000	.000	.000	.000	.000	.000
184	.010	1425.010	.000	.000	.000	.000	.000	.000	.000
185	.010	1427.010	.000	.000	.000	.000	.000	.000	.000
186	.010	1433.010	.000	.000	.000	.000	.000	.000	.000
187	.010	1435.010	.000	.000	.000	.000	.000	.000	.000
188	.010	1437.010	.000	.000	.000	.000	.000	.000	.000
189	.010	1440.010	.000	.000	.000	.000	.000	.000	.000
190	.010	1442.010	.000	.000	.000	.000	.000	.000	.000
191	.010	1445.010	.000	.000	.000	.000	.000	.000	.000
192	.010	1448.010	.000	.000	.000	.000	.000	.000	.000
193	.001	1407.001	.000	.000	.000	.000	.000	.000	.000
194	.001	1411.001	.000	.000	.000	.000	.000	.000	.000
195	.010	1412.010	.000	.000	.000	.000	.000	.000	.000
196	.010	1415.010	.000	.000	.000	.000	.000	.000	.000
197	.010	1418.010	.000	.000	.000	.000	.000	.000	.000
198	.010	1420.010	.000	.000	.000	.000	.000	.000	.000
199	.010	1423.010	.000	.000	.000	.000	.000	.000	.000
200	.010	1427.010	.000	.000	.000	.000	.000	.000	.000
201	.010	1430.010	.000	.000	.000	.000	.000	.000	.000
202	.010	1433.010	.000	.000	.000	.000	.000	.000	.000
203	.010	1435.010	.000	.000	.000	.000	.000	.000	.000
204	.010	1437.010	.000	.000	.000	.000	.000	.000	.000
205	.010	1439.010	.000	.000	.000	.000	.000	.000	.000
206	.010	1443.010	.000	.000	.000	.000	.000	.000	.000
207	.010	1444.010	.000	.000	.000	.000	.000	.000	.000
208	.001	1410.001	.000	.000	.000	.000	.000	.000	.000
209	.001	1413.001	.000	.000	.000	.000	.000	.000	.000
210	.001	1415.001	.000	.000	.000	.000	.000	.000	.000
211	.001	1419.001	.000	.000	.000	.000	.000	.000	.000
212	.010	1422.010	.000	.000	.000	.000	.000	.000	.000
213	.010	1425.010	.000	.000	.000	.000	.000	.000	.000
214	.010	1427.010	.000	.000	.000	.000	.000	.000	.000
215	.010	1430.010	.000	.000	.000	.000	.000	.000	.000
216	.010	1432.010	.000	.000	.000	.000	.000	.000	.000
217	.010	1435.010	.000	.000	.000	.000	.000	.000	.000
218	.010	1439.010	.000	.000	.000	.000	.000	.000	.000
219	.010	1440.010	.000	.000	.000	.000	.000	.000	.000
220	.010	1441.010	.000	.000	.000	.000	.000	.000	.000
221	.001	1420.001	.000	.000	.000	.000	.000	.000	.000
222	.010	1423.010	.000	.000	.000	.000	.000	.000	.000
223	.010	1425.010	.000	.000	.000	.000	.000	.000	.000
224	.010	1428.010	.000	.000	.000	.000	.000	.000	.000
225	.010	1431.010	.000	.000	.000	.000	.000	.000	.000
226	.010	1434.010	.000	.000	.000	.000	.000	.000	.000
227	.010	1436.010	.000	.000	.000	.000	.000	.000	.000
228	.010	1437.010	.000	.000	.000	.000	.000	.000	.000
229	.010	1439.010	.000	.000	.000	.000	.000	.000	.000
230	.010	1422.010	.000	.000	.000	.000	.000	.000	.000
231	.010	1425.010	.000	.000	.000	.000	.000	.000	.000
232	.010	1428.010	.000	.000	.000	.000	.000	.000	.000
233	.010	1430.010	.000	.000	.000	.000	.000	.000	.000
234	.010	1432.010	.000	.000	.000	.000	.000	.000	.000
235	.010	1433.010	.000	.000	.000	.000	.000	.000	.000
236	.010	1434.010	.000	.000	.000	.000	.000	.000	.000
237	.010	1435.010	.000	.000	.000	.000	.000	.000	.000
238	.010	1422.010	.000	.000	.000	.000	.000	.000	.000

240	.010	1427.010	.000	.000	.000	.000	.000	.000	.000
241	.010	1429.010	.000	.000	.000	.000	.000	.000	.000
242	.010	1430.010	.000	.000	.000	.000	.000	.000	.000
243	.010	1431.010	.000	.000	.000	.000	.000	.000	.000
244	.010	1431.010	.000	.000	.000	.000	.000	.000	.000
245	.010	1433.010	.000	.000	.000	.000	.000	.000	.000
246	.010	1424.010	.000	.000	.000	.000	.000	.000	.000
247	.010	1425.010	.000	.000	.000	.000	.000	.000	.000
248	.010	1426.010	.000	.000	.000	.000	.000	.000	.000
249	.010	1427.010	.000	.000	.000	.000	.000	.000	.000
250	.010	1428.010	.000	.000	.000	.000	.000	.000	.000
251	.010	1428.010	.000	.000	.000	.000	.000	.000	.000
252	.010	1428.010	.000	.000	.000	.000	.000	.000	.000
253	.010	1430.010	.000	.000	.000	.000	.000	.000	.000

MODEL TIME(HOURS) = 8.0001 INFLOW(CFS/LF) = .0000

1 N = .0350PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.011	1440.011	.000	.000	.000	.000	.000	.000	.000
2	.011	1438.011	.000	.000	.000	.000	.000	.000	.000
3	.011	1444.011	.000	.000	.000	.000	.000	.000	.000
4	.011	1446.011	.000	.000	.000	.000	.000	.000	.000
5	.011	1436.011	.000	.000	.000	.000	.000	.000	.000
6	.011	1436.011	.000	.000	.000	.000	.000	.000	.000
7	.011	1437.011	.000	.000	.000	.000	.000	.000	.000
8	.072	1447.072	.000	.000	.000	.000	.000	.000	.000
9	.011	1433.011	.000	.000	.000	.000	.000	.000	.000
10	.011	1432.011	.000	.000	.000	.000	.000	.000	.000
11	.011	1436.011	.000	.000	.000	.000	.000	.000	.000
12	.011	1443.011	.000	.000	.000	.000	.000	.000	.000
13	.011	1425.011	.000	.000	.000	.000	.000	.000	.000
14	.011	1429.011	.000	.000	.000	.000	.000	.000	.000
15	.011	1430.011	.000	.000	.000	.000	.000	.000	.000
16	.011	1435.011	.000	.000	.000	.000	.000	.000	.000
17	.011	1421.011	.000	.000	.000	.000	.000	.000	.000
18	.011	1423.011	.000	.000	.000	.000	.000	.000	.000
19	.011	1426.011	.000	.000	.000	.000	.000	.000	.000
20	.011	1431.011	.000	.000	.000	.000	.000	.000	.000
21	.011	1417.011	.000	.000	.000	.000	.000	.000	.000
22	.011	1419.011	.000	.000	.000	.000	.000	.000	.000
23	.011	1419.011	.000	.000	.000	.000	.000	.000	.000
24	.011	1423.011	.000	.000	.000	.000	.000	.000	.000
25	.011	1413.011	.000	.000	.000	.000	.000	.000	.000
26	.011	1416.011	.000	.000	.000	.000	.000	.000	.000
27	.011	1414.011	.000	.000	.000	.000	.000	.000	.000
28	.011	1418.011	.000	.000	.000	.000	.000	.000	.000
29	.011	1409.011	.000	.000	.000	.000	.000	.000	.000
30	.011	1414.011	.000	.000	.000	.000	.000	.000	.000
31	.011	1410.011	.000	.000	.000	.000	.000	.000	.000
32	.011	1415.011	.000	.000	.000	.000	.000	.000	.000
33	.011	1405.011	.000	.000	.000	.000	.000	.000	.000
34	.011	1406.011	.000	.000	.000	.000	.000	.000	.000
35	.011	1407.011	.000	.000	.000	.000	.000	.000	.000
36	.011	1412.011	.000	.000	.000	.000	.000	.000	.000
37	.011	1400.011	.000	.000	.000	.000	.000	.000	.000
38	.011	1402.011	.000	.000	.000	.000	.000	.000	.000
39	.011	1404.011	.000	.000	.000	.000	.000	.000	.000
40	.011	1409.011	.000	.000	.000	.000	.000	.000	.000
41	.011	1396.011	.000	.000	.000	.000	.000	.000	.000
42	.011	1398.011	.000	.000	.000	.000	.000	.000	.000

44	.011	1390.011	.000	.000	.000	.000	.000	.000	.000
45	.011	1392.011	.000	.000	.000	.000	.000	.000	.000
46	.011	1394.011	.000	.000	.000	.000	.000	.000	.000
47	.011	1397.011	.000	.000	.000	.000	.000	.000	.000
48	.011	1400.011	.000	.000	.000	.000	.000	.000	.000
49	.011	1389.011	.000	.000	.000	.000	.000	.000	.000
50	.011	1390.011	.000	.000	.000	.000	.000	.000	.000
51	.011	1392.011	.000	.000	.000	.000	.000	.000	.000
52	.011	1394.011	.000	.000	.000	.000	.000	.000	.000
53	.011	1399.011	.000	.000	.000	.000	.000	.000	.000
54	.011	1405.011	.000	.000	.000	.000	.000	.000	.000
55	.011	1409.011	.000	.000	.000	.000	.000	.000	.000
56	.011	1413.011	.000	.000	.000	.000	.000	.000	.000
57	.011	1417.011	.000	.000	.000	.000	.000	.000	.000
58	.011	1422.011	.000	.000	.000	.000	.000	.000	.000
59	.050	1427.050	.000	.000	.000	.000	.000	.000	.000
60	.011	1431.011	.000	.000	.000	.000	.000	.000	.000
61	.011	1435.011	.000	.000	.000	.000	.000	.000	.000
62	.011	1438.011	.000	.000	.000	.000	.000	.000	.000
63	.012	1441.012	.000	.000	.000	.000	.000	.000	.000
64	.011	1445.011	.000	.000	.000	.000	.000	.000	.000
65	.011	1447.011	.000	.000	.000	.000	.000	.000	.000
66	.011	1450.011	.000	.000	.000	.000	.000	.000	.000
67	.011	1449.011	.000	.000	.000	.000	.000	.000	.000
68	.011	1452.011	.000	.000	.000	.000	.000	.000	.000
69	.011	1455.011	.000	.000	.000	.000	.000	.000	.000
70	.011	1458.011	.000	.000	.000	.000	.000	.000	.000
71	.011	1461.011	.000	.000	.000	.000	.000	.000	.000
72	.011	1463.011	.000	.000	.000	.000	.000	.000	.000
73	.011	1386.011	.000	.000	.000	.000	.000	.000	.000
74	.011	1387.011	.000	.000	.000	.000	.000	.000	.000
75	.011	1389.011	.000	.000	.000	.000	.000	.000	.000
76	.011	1393.011	.000	.000	.000	.000	.000	.000	.000
77	.011	1397.011	.000	.000	.000	.000	.000	.000	.000
78	.011	1402.011	.000	.000	.000	.000	.000	.000	.000
79	.011	1407.011	.000	.000	.000	.000	.000	.000	.000
80	.011	1412.011	.000	.000	.000	.000	.000	.000	.000
81	.011	1418.011	.000	.000	.000	.000	.000	.000	.000
82	.011	1422.011	.000	.000	.000	.000	.000	.000	.000
83	.011	1425.011	.000	.000	.000	.000	.000	.000	.000
84	.011	1428.011	.000	.000	.000	.000	.000	.000	.000
85	.011	1433.011	.000	.000	.000	.000	.000	.000	.000
86	.011	1435.011	.000	.000	.000	.000	.000	.000	.000
87	.011	1438.011	.000	.000	.000	.000	.000	.000	.000
88	.011	1441.011	.000	.000	.000	.000	.000	.000	.000
89	.011	1443.011	.000	.000	.000	.000	.000	.000	.000
90	.011	1446.011	.000	.000	.000	.000	.000	.000	.000
91	.011	1446.011	.000	.000	.000	.000	.000	.000	.000
92	.011	1448.011	.000	.000	.000	.000	.000	.000	.000
93	.011	1451.011	.000	.000	.000	.000	.000	.000	.000
94	.011	1456.011	.000	.000	.000	.000	.000	.000	.000
95	.011	1458.011	.000	.000	.000	.000	.000	.000	.000
96	.011	1459.011	.000	.000	.000	.000	.000	.000	.000
97	.011	1382.011	.000	.000	.000	.000	.000	.000	.000
98	.011	1384.011	.000	.000	.000	.000	.000	.000	.000
99	.011	1387.011	.000	.000	.000	.000	.000	.000	.000
100	.011	1391.011	.000	.000	.000	.000	.000	.000	.000
101	.011	1397.011	.000	.000	.000	.000	.000	.000	.000
102	.011	1403.011	.000	.000	.000	.000	.000	.000	.000
103	.011	1407.011	.000	.000	.000	.000	.000	.000	.000
104	.011	1413.011	.000	.000	.000	.000	.000	.000	.000
105	.011	1416.011	.000	.000	.000	.000	.000	.000	.000
106	.011	1419.011	.000	.000	.000	.000	.000	.000	.000
107	.011	1422.011	.000	.000	.000	.000	.000	.000	.000
108	.011	1425.011	.000	.000	.000	.000	.000	.000	.000

110	.011	1432.011	.000	.000	.000	.000	.000	.000	.000
111	.011	1434.011	.000	.000	.000	.000	.000	.000	.000
112	.011	1436.011	.000	.000	.000	.000	.000	.000	.000
113	.011	1438.011	.000	.000	.000	.000	.000	.000	.000
114	.011	1440.011	.000	.000	.000	.000	.000	.000	.000
115	.011	1443.011	.000	.000	.000	.000	.000	.000	.000
116	.011	1445.011	.000	.000	.000	.000	.000	.000	.000
117	.011	1449.011	.000	.000	.000	.000	.000	.000	.000
118	.011	1452.011	.000	.000	.000	.000	.000	.000	.000
119	.011	1454.011	.000	.000	.000	.000	.000	.000	.000
120	.011	1457.011	.000	.000	.000	.000	.000	.000	.000
121	.011	1380.011	.000	.000	.000	.000	.000	.000	.000
122	.011	1382.011	.000	.000	.000	.000	.000	.000	.000
123	.011	1386.011	.000	.000	.000	.000	.000	.000	.000
124	.011	1391.011	.000	.000	.000	.000	.000	.000	.000
125	.011	1396.011	.000	.000	.000	.000	.000	.000	.000
126	.011	1401.011	.000	.000	.000	.000	.000	.000	.000
127	.011	1407.011	.000	.000	.000	.000	.000	.000	.000
128	.011	1407.011	.000	.000	.000	.000	.000	.000	.000
129	.011	1412.011	.000	.000	.000	.000	.000	.000	.000
130	.011	1415.011	.000	.000	.000	.000	.000	.000	.000
131	.011	1418.011	.000	.000	.000	.000	.000	.000	.000
132	.011	1422.011	.000	.000	.000	.000	.000	.000	.000
133	.011	1426.011	.000	.000	.000	.000	.000	.000	.000
134	.011	1430.011	.000	.000	.000	.000	.000	.000	.000
135	.011	1430.011	.000	.000	.000	.000	.000	.000	.000
136	.011	1433.011	.000	.000	.000	.000	.000	.000	.000
137	.011	1435.011	.000	.000	.000	.000	.000	.000	.000
138	.011	1436.011	.000	.000	.000	.000	.000	.000	.000
139	.011	1439.011	.000	.000	.000	.000	.000	.000	.000
140	.011	1444.011	.000	.000	.000	.000	.000	.000	.000
141	.011	1446.011	.000	.000	.000	.000	.000	.000	.000
142	.011	1447.011	.000	.000	.000	.000	.000	.000	.000
143	.011	1451.011	.000	.000	.000	.000	.000	.000	.000
144	.011	1453.011	.000	.000	.000	.000	.000	.000	.000
145	.011	1378.011	.000	.000	.000	.000	.000	.000	.000
146	.011	1381.011	.000	.000	.000	.000	.000	.000	.000
147	.011	1384.011	.000	.000	.000	.000	.000	.000	.000
148	.011	1389.011	.000	.000	.000	.000	.000	.000	.000
149	.011	1394.011	.000	.000	.000	.000	.000	.000	.000
150	.011	1400.011	.000	.000	.000	.000	.000	.000	.000
151	.011	1402.011	.000	.000	.000	.000	.000	.000	.000
152	.011	1406.011	.000	.000	.000	.000	.000	.000	.000
153	.011	1410.011	.000	.000	.000	.000	.000	.000	.000
154	.011	1413.011	.000	.000	.000	.000	.000	.000	.000
155	.011	1417.011	.000	.000	.000	.000	.000	.000	.000
156	.011	1421.011	.000	.000	.000	.000	.000	.000	.000
157	.011	1424.011	.000	.000	.000	.000	.000	.000	.000
158	.011	1424.011	.000	.000	.000	.000	.000	.000	.000
159	.011	1426.011	.000	.000	.000	.000	.000	.000	.000
160	.011	1428.011	.000	.000	.000	.000	.000	.000	.000
161	.011	1430.011	.000	.000	.000	.000	.000	.000	.000
162	.011	1433.011	.000	.000	.000	.000	.000	.000	.000
163	.011	1437.011	.000	.000	.000	.000	.000	.000	.000
164	.011	1441.011	.000	.000	.000	.000	.000	.000	.000
165	.011	1443.011	.000	.000	.000	.000	.000	.000	.000
166	.011	1445.011	.000	.000	.000	.000	.000	.000	.000
167	.011	1448.011	.000	.000	.000	.000	.000	.000	.000
168	.011	1452.011	.000	.000	.000	.000	.000	.000	.000
169	.001	1378.001	.000	.000	.000	.000	.000	.000	.000
170	.001	1381.001	.000	.000	.000	.000	.000	.000	.000
171	.001	1384.001	.000	.000	.000	.000	.000	.000	.000
172	.001	1388.001	.000	.000	.000	.000	.000	.000	.000
173	.001	1392.001	.000	.000	.000	.000	.000	.000	.000
174	.001	1397.001	.000	.000	.000	.000	.000	.000	.000

177	.001	1408.001	.000	.000	.000	.000	.000	.000	.000
178	.011	1411.011	.000	.000	.000	.000	.000	.000	.000
179	.011	1415.011	.000	.000	.000	.000	.000	.000	.000
180	.011	1417.011	.000	.000	.000	.000	.000	.000	.000
181	.011	1418.011	.000	.000	.000	.000	.000	.000	.000
182	.011	1421.011	.000	.000	.000	.000	.000	.000	.000
183	.011	1423.011	.000	.000	.000	.000	.000	.000	.000
184	.011	1425.011	.000	.000	.000	.000	.000	.000	.000
185	.011	1427.011	.000	.000	.000	.000	.000	.000	.000
186	.011	1433.011	.000	.000	.000	.000	.000	.000	.000
187	.011	1435.011	.000	.000	.000	.000	.000	.000	.000
188	.011	1437.011	.000	.000	.000	.000	.000	.000	.000
189	.011	1440.011	.000	.000	.000	.000	.000	.000	.000
190	.011	1442.011	.000	.000	.000	.000	.000	.000	.000
191	.011	1445.011	.000	.000	.000	.000	.000	.000	.000
192	.011	1448.011	.000	.000	.000	.000	.000	.000	.000
193	.001	1407.001	.000	.000	.000	.000	.000	.000	.000
194	.001	1411.001	.000	.000	.000	.000	.000	.000	.000
195	.011	1412.011	.000	.000	.000	.000	.000	.000	.000
196	.011	1415.011	.000	.000	.000	.000	.000	.000	.000
197	.011	1418.011	.000	.000	.000	.000	.000	.000	.000
198	.011	1420.011	.000	.000	.000	.000	.000	.000	.000
199	.011	1423.011	.000	.000	.000	.000	.000	.000	.000
200	.011	1427.011	.000	.000	.000	.000	.000	.000	.000
201	.011	1430.011	.000	.000	.000	.000	.000	.000	.000
202	.011	1433.011	.000	.000	.000	.000	.000	.000	.000
203	.011	1435.011	.000	.000	.000	.000	.000	.000	.000
204	.011	1437.011	.000	.000	.000	.000	.000	.000	.000
205	.011	1439.011	.000	.000	.000	.000	.000	.000	.000
206	.011	1443.011	.000	.000	.000	.000	.000	.000	.000
207	.011	1444.011	.000	.000	.000	.000	.000	.000	.000
208	.001	1410.001	.000	.000	.000	.000	.000	.000	.000
209	.001	1413.001	.000	.000	.000	.000	.000	.000	.000
210	.001	1415.001	.000	.000	.000	.000	.000	.000	.000
211	.001	1419.001	.000	.000	.000	.000	.000	.000	.000
212	.011	1422.011	.000	.000	.000	.000	.000	.000	.000
213	.011	1425.011	.000	.000	.000	.000	.000	.000	.000
214	.011	1427.011	.000	.000	.000	.000	.000	.000	.000
215	.011	1430.011	.000	.000	.000	.000	.000	.000	.000
216	.011	1432.011	.000	.000	.000	.000	.000	.000	.000
217	.011	1435.011	.000	.000	.000	.000	.000	.000	.000
218	.011	1439.011	.000	.000	.000	.000	.000	.000	.000
219	.011	1440.011	.000	.000	.000	.000	.000	.000	.000
220	.011	1441.011	.000	.000	.000	.000	.000	.000	.000
221	.001	1420.001	.000	.000	.000	.000	.000	.000	.000
222	.011	1423.011	.000	.000	.000	.000	.000	.000	.000
223	.011	1425.011	.000	.000	.000	.000	.000	.000	.000
224	.011	1428.011	.000	.000	.000	.000	.000	.000	.000
225	.011	1431.011	.000	.000	.000	.000	.000	.000	.000
226	.011	1434.011	.000	.000	.000	.000	.000	.000	.000
227	.011	1436.011	.000	.000	.000	.000	.000	.000	.000
228	.011	1437.011	.000	.000	.000	.000	.000	.000	.000
229	.011	1439.011	.000	.000	.000	.000	.000	.000	.000
230	.011	1422.011	.000	.000	.000	.000	.000	.000	.000
231	.011	1425.011	.000	.000	.000	.000	.000	.000	.000
232	.011	1428.011	.000	.000	.000	.000	.000	.000	.000
233	.011	1430.011	.000	.000	.000	.000	.000	.000	.000
234	.011	1432.011	.000	.000	.000	.000	.000	.000	.000
235	.011	1433.011	.000	.000	.000	.000	.000	.000	.000
236	.011	1434.011	.000	.000	.000	.000	.000	.000	.000
237	.011	1435.011	.000	.000	.000	.000	.000	.000	.000
238	.011	1422.011	.000	.000	.000	.000	.000	.000	.000
239	.011	1425.011	.000	.000	.000	.000	.000	.000	.000
240	.011	1427.011	.000	.000	.000	.000	.000	.000	.000

243	.011	1431.011	.000	.000	.000	.000	.000	.000	.000
244	.011	1431.011	.000	.000	.000	.000	.000	.000	.000
245	.011	1433.011	.000	.000	.000	.000	.000	.000	.000
246	.011	1424.011	.000	.000	.000	.000	.000	.000	.000
247	.011	1425.011	.000	.000	.000	.000	.000	.000	.000
248	.011	1426.011	.000	.000	.000	.000	.000	.000	.000
249	.011	1427.011	.000	.000	.000	.000	.000	.000	.000
250	.011	1428.011	.000	.000	.000	.000	.000	.000	.000
251	.011	1428.011	.000	.000	.000	.000	.000	.000	.000
252	.011	1428.011	.000	.000	.000	.000	.000	.000	.000
253	.011	1430.011	.000	.000	.000	.000	.000	.000	.000

MODEL TIME(HOURS) = 9.0002 INFLOW(CFS/LF) = .0000

1 N = .0350PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.013	1440.013	.000	.000	.000	.000	.000	.000	.000
2	.013	1438.013	.000	.000	.000	.000	.000	.000	.000
3	.013	1444.013	.000	.000	.000	.000	.000	.000	.000
4	.013	1446.013	.000	.000	.000	.000	.000	.000	.000
5	.013	1436.013	.000	.000	.000	.000	.000	.000	.000
6	.013	1436.013	.000	.000	.000	.000	.000	.000	.000
7	.013	1437.013	.000	.000	.000	.000	.000	.000	.000
8	.087	1447.087	.000	.000	.000	.000	.000	.000	.000
9	.013	1433.013	.000	.000	.000	.000	.000	.000	.000
10	.013	1432.013	.000	.000	.000	.000	.000	.000	.000
11	.013	1436.013	.000	.000	.000	.000	.000	.000	.000
12	.013	1443.013	.000	.000	.000	.000	.000	.000	.000
13	.013	1425.013	.000	.000	.000	.000	.000	.000	.000
14	.013	1429.013	.000	.000	.000	.000	.000	.000	.000
15	.013	1430.013	.000	.000	.000	.000	.000	.000	.000
16	.013	1435.013	.000	.000	.000	.000	.000	.000	.000
17	.013	1421.013	.000	.000	.000	.000	.000	.000	.000
18	.013	1423.013	.000	.000	.000	.000	.000	.000	.000
19	.013	1426.013	.000	.000	.000	.000	.000	.000	.000
20	.013	1431.013	.000	.000	.000	.000	.000	.000	.000
21	.013	1417.013	.000	.000	.000	.000	.000	.000	.000
22	.013	1419.013	.000	.000	.000	.000	.000	.000	.000
23	.013	1419.013	.000	.000	.000	.000	.000	.000	.000
24	.013	1423.013	.000	.000	.000	.000	.000	.000	.000
25	.013	1413.013	.000	.000	.000	.000	.000	.000	.000
26	.013	1416.013	.000	.000	.000	.000	.000	.000	.000
27	.013	1414.013	.000	.000	.000	.000	.000	.000	.000
28	.013	1418.013	.000	.000	.000	.000	.000	.000	.000
29	.013	1409.013	.000	.000	.000	.000	.000	.000	.000
30	.013	1414.013	.000	.000	.000	.000	.000	.000	.000
31	.013	1410.013	.000	.000	.000	.000	.000	.000	.000
32	.013	1415.013	.000	.000	.000	.000	.000	.000	.000
33	.013	1405.013	.000	.000	.000	.000	.000	.000	.000
34	.013	1406.013	.000	.000	.000	.000	.000	.000	.000
35	.013	1407.013	.000	.000	.000	.000	.000	.000	.000
36	.013	1412.013	.000	.000	.000	.000	.000	.000	.000
37	.013	1400.013	.000	.000	.000	.000	.000	.000	.000
38	.013	1402.013	.000	.000	.000	.000	.000	.000	.000
39	.013	1404.013	.000	.000	.000	.000	.000	.000	.000
40	.013	1409.013	.000	.000	.000	.000	.000	.000	.000
41	.013	1396.013	.000	.000	.000	.000	.000	.000	.000
42	.013	1398.013	.000	.000	.000	.000	.000	.000	.000
43	.013	1400.013	.000	.000	.000	.000	.000	.000	.000
44	.013	1405.013	.000	.000	.000	.000	.000	.000	.000

47	.013	1397.013	.000	.000	.000	.000	.000	.000	.000
48	.013	1400.013	.000	.000	.000	.000	.000	.000	.000
49	.013	1389.013	.000	.000	.000	.000	.000	.000	.000
50	.013	1390.013	.000	.000	.000	.000	.000	.000	.000
51	.013	1392.013	.000	.000	.000	.000	.000	.000	.000
52	.013	1394.013	.000	.000	.000	.000	.000	.000	.000
53	.013	1399.013	.000	.000	.000	.000	.000	.000	.000
54	.013	1405.013	.000	.000	.000	.000	.000	.000	.000
55	.013	1409.013	.000	.000	.000	.000	.000	.000	.000
56	.013	1413.013	.000	.000	.000	.000	.000	.000	.000
57	.013	1417.013	.000	.000	.000	.000	.000	.000	.000
58	.013	1422.013	.000	.000	.000	.000	.000	.000	.000
59	.060	1427.060	.000	.000	.000	.000	.000	.000	.000
60	.013	1431.013	.000	.000	.000	.000	.000	.000	.000
61	.013	1435.013	.000	.000	.000	.000	.000	.000	.000
62	.013	1438.013	.000	.000	.000	.000	.000	.000	.000
63	.013	1441.013	.000	.000	.000	.000	.000	.000	.000
64	.013	1445.013	.000	.000	.000	.000	.000	.000	.000
65	.013	1447.013	.000	.000	.000	.000	.000	.000	.000
66	.013	1450.013	.000	.000	.000	.000	.000	.000	.000
67	.013	1449.013	.000	.000	.000	.000	.000	.000	.000
68	.013	1452.013	.000	.000	.000	.000	.000	.000	.000
69	.013	1455.013	.000	.000	.000	.000	.000	.000	.000
70	.013	1458.013	.000	.000	.000	.000	.000	.000	.000
71	.013	1461.013	.000	.000	.000	.000	.000	.000	.000
72	.013	1463.013	.000	.000	.000	.000	.000	.000	.000
73	.013	1386.013	.000	.000	.000	.000	.000	.000	.000
74	.013	1387.013	.000	.000	.000	.000	.000	.000	.000
75	.013	1389.013	.000	.000	.000	.000	.000	.000	.000
76	.013	1393.013	.000	.000	.000	.000	.000	.000	.000
77	.013	1397.013	.000	.000	.000	.000	.000	.000	.000
78	.013	1402.013	.000	.000	.000	.000	.000	.000	.000
79	.013	1407.013	.000	.000	.000	.000	.000	.000	.000
80	.013	1412.013	.000	.000	.000	.000	.000	.000	.000
81	.013	1418.013	.000	.000	.000	.000	.000	.000	.000
82	.013	1422.013	.000	.000	.000	.000	.000	.000	.000
83	.013	1425.013	.000	.000	.000	.000	.000	.000	.000
84	.013	1428.013	.000	.000	.000	.000	.000	.000	.000
85	.013	1433.013	.000	.000	.000	.000	.000	.000	.000
86	.013	1435.013	.000	.000	.000	.000	.000	.000	.000
87	.013	1438.013	.000	.000	.000	.000	.000	.000	.000
88	.013	1441.013	.000	.000	.000	.000	.000	.000	.000
89	.013	1443.013	.000	.000	.000	.000	.000	.000	.000
90	.013	1446.013	.000	.000	.000	.000	.000	.000	.000
91	.013	1446.013	.000	.000	.000	.000	.000	.000	.000
92	.013	1448.013	.000	.000	.000	.000	.000	.000	.000
93	.013	1451.013	.000	.000	.000	.000	.000	.000	.000
94	.013	1456.013	.000	.000	.000	.000	.000	.000	.000
95	.013	1458.013	.000	.000	.000	.000	.000	.000	.000
96	.013	1459.013	.000	.000	.000	.000	.000	.000	.000
97	.013	1382.013	.000	.000	.000	.000	.000	.000	.000
98	.013	1384.013	.000	.000	.000	.000	.000	.000	.000
99	.013	1387.013	.000	.000	.000	.000	.000	.000	.000
100	.013	1391.013	.000	.000	.000	.000	.000	.000	.000
101	.013	1397.013	.000	.000	.000	.000	.000	.000	.000
102	.013	1403.013	.000	.000	.000	.000	.000	.000	.000
103	.013	1407.013	.000	.000	.000	.000	.000	.000	.000
104	.013	1413.013	.000	.000	.000	.000	.000	.000	.000
105	.013	1416.013	.000	.000	.000	.000	.000	.000	.000
106	.013	1419.013	.000	.000	.000	.000	.000	.000	.000
107	.013	1422.013	.000	.000	.000	.000	.000	.000	.000
108	.013	1425.013	.000	.000	.000	.000	.000	.000	.000
109	.013	1429.013	.000	.000	.000	.000	.000	.000	.000
110	.013	1432.013	.000	.000	.000	.000	.000	.000	.000

113	.013	1438.013	.000	.000	.000	.000	.000	.000	.000
114	.013	1440.013	.000	.000	.000	.000	.000	.000	.000
115	.013	1443.013	.000	.000	.000	.000	.000	.000	.000
116	.013	1445.013	.000	.000	.000	.000	.000	.000	.000
117	.013	1449.013	.000	.000	.000	.000	.000	.000	.000
118	.013	1452.013	.000	.000	.000	.000	.000	.000	.000
119	.013	1454.013	.000	.000	.000	.000	.000	.000	.000
120	.013	1457.013	.000	.000	.000	.000	.000	.000	.000
121	.013	1380.013	.000	.000	.000	.000	.000	.000	.000
122	.013	1382.013	.000	.000	.000	.000	.000	.000	.000
123	.013	1386.013	.000	.000	.000	.000	.000	.000	.000
124	.013	1391.013	.000	.000	.000	.000	.000	.000	.000
125	.013	1396.013	.000	.000	.000	.000	.000	.000	.000
126	.013	1401.013	.000	.000	.000	.000	.000	.000	.000
127	.013	1407.013	.000	.000	.000	.000	.000	.000	.000
128	.013	1407.013	.000	.000	.000	.000	.000	.000	.000
129	.013	1412.013	.000	.000	.000	.000	.000	.000	.000
130	.013	1415.013	.000	.000	.000	.000	.000	.000	.000
131	.013	1418.013	.000	.000	.000	.000	.000	.000	.000
132	.013	1422.013	.000	.000	.000	.000	.000	.000	.000
133	.013	1426.013	.000	.000	.000	.000	.000	.000	.000
134	.013	1430.013	.000	.000	.000	.000	.000	.000	.000
135	.013	1430.013	.000	.000	.000	.000	.000	.000	.000
136	.013	1433.013	.000	.000	.000	.000	.000	.000	.000
137	.013	1435.013	.000	.000	.000	.000	.000	.000	.000
138	.013	1436.013	.000	.000	.000	.000	.000	.000	.000
139	.013	1439.013	.000	.000	.000	.000	.000	.000	.000
140	.013	1444.013	.000	.000	.000	.000	.000	.000	.000
141	.013	1446.013	.000	.000	.000	.000	.000	.000	.000
142	.013	1447.013	.000	.000	.000	.000	.000	.000	.000
143	.013	1451.013	.000	.000	.000	.000	.000	.000	.000
144	.013	1453.013	.000	.000	.000	.000	.000	.000	.000
145	.013	1378.013	.000	.000	.000	.000	.000	.000	.000
146	.013	1381.013	.000	.000	.000	.000	.000	.000	.000
147	.013	1384.013	.000	.000	.000	.000	.000	.000	.000
148	.013	1389.013	.000	.000	.000	.000	.000	.000	.000
149	.013	1394.013	.000	.000	.000	.000	.000	.000	.000
150	.013	1400.013	.000	.000	.000	.000	.000	.000	.000
151	.013	1402.013	.000	.000	.000	.000	.000	.000	.000
152	.013	1406.013	.000	.000	.000	.000	.000	.000	.000
153	.013	1410.013	.000	.000	.000	.000	.000	.000	.000
154	.013	1413.013	.000	.000	.000	.000	.000	.000	.000
155	.013	1417.013	.000	.000	.000	.000	.000	.000	.000
156	.013	1421.013	.000	.000	.000	.000	.000	.000	.000
157	.013	1424.013	.000	.000	.000	.000	.000	.000	.000
158	.013	1424.013	.000	.000	.000	.000	.000	.000	.000
159	.013	1426.013	.000	.000	.000	.000	.000	.000	.000
160	.013	1428.013	.000	.000	.000	.000	.000	.000	.000
161	.013	1430.013	.000	.000	.000	.000	.000	.000	.000
162	.013	1433.013	.000	.000	.000	.000	.000	.000	.000
163	.013	1437.013	.000	.000	.000	.000	.000	.000	.000
164	.013	1441.013	.000	.000	.000	.000	.000	.000	.000
165	.013	1443.013	.000	.000	.000	.000	.000	.000	.000
166	.013	1445.013	.000	.000	.000	.000	.000	.000	.000
167	.013	1448.013	.000	.000	.000	.000	.000	.000	.000
168	.013	1452.013	.000	.000	.000	.000	.000	.000	.000
169	.001	1378.001	.000	.000	.000	.000	.000	.000	.000
170	.001	1381.001	.000	.000	.000	.000	.000	.000	.000
171	.001	1384.001	.000	.000	.000	.000	.000	.000	.000
172	.001	1388.001	.000	.000	.000	.000	.000	.000	.000
173	.001	1392.001	.000	.000	.000	.000	.000	.000	.000
174	.001	1397.001	.000	.000	.000	.000	.000	.000	.000
175	.001	1401.001	.000	.000	.000	.000	.000	.000	.000
176	.001	1405.001	.000	.000	.000	.000	.000	.000	.000

178	.013	1411.013	.000	.000	.000	.000	.000	.000	.000
179	.013	1415.013	.000	.000	.000	.000	.000	.000	.000
180	.013	1417.013	.000	.000	.000	.000	.000	.000	.000
181	.013	1418.013	.000	.000	.000	.000	.000	.000	.000
182	.013	1421.013	.000	.000	.000	.000	.000	.000	.000
183	.013	1423.013	.000	.000	.000	.000	.000	.000	.000
184	.013	1425.013	.000	.000	.000	.000	.000	.000	.000
185	.013	1427.013	.000	.000	.000	.000	.000	.000	.000
186	.013	1433.013	.000	.000	.000	.000	.000	.000	.000
187	.013	1435.013	.000	.000	.000	.000	.000	.000	.000
188	.013	1437.013	.000	.000	.000	.000	.000	.000	.000
189	.013	1440.013	.000	.000	.000	.000	.000	.000	.000
190	.013	1442.013	.000	.000	.000	.000	.000	.000	.000
191	.013	1445.013	.000	.000	.000	.000	.000	.000	.000
192	.013	1448.013	.000	.000	.000	.000	.000	.000	.000
193	.001	1407.001	.000	.000	.000	.000	.000	.000	.000
194	.001	1411.001	.000	.000	.000	.000	.000	.000	.000
195	.013	1412.013	.000	.000	.000	.000	.000	.000	.000
196	.013	1415.013	.000	.000	.000	.000	.000	.000	.000
197	.013	1418.013	.000	.000	.000	.000	.000	.000	.000
198	.013	1420.013	.000	.000	.000	.000	.000	.000	.000
199	.013	1423.013	.000	.000	.000	.000	.000	.000	.000
200	.013	1427.013	.000	.000	.000	.000	.000	.000	.000
201	.013	1430.013	.000	.000	.000	.000	.000	.000	.000
202	.013	1433.013	.000	.000	.000	.000	.000	.000	.000
203	.013	1435.013	.000	.000	.000	.000	.000	.000	.000
204	.013	1437.013	.000	.000	.000	.000	.000	.000	.000
205	.013	1439.013	.000	.000	.000	.000	.000	.000	.000
206	.013	1443.013	.000	.000	.000	.000	.000	.000	.000
207	.013	1444.013	.000	.000	.000	.000	.000	.000	.000
208	.001	1410.001	.000	.000	.000	.000	.000	.000	.000
209	.001	1413.001	.000	.000	.000	.000	.000	.000	.000
210	.001	1415.001	.000	.000	.000	.000	.000	.000	.000
211	.001	1419.001	.000	.000	.000	.000	.000	.000	.000
212	.013	1422.013	.000	.000	.000	.000	.000	.000	.000
213	.013	1425.013	.000	.000	.000	.000	.000	.000	.000
214	.013	1427.013	.000	.000	.000	.000	.000	.000	.000
215	.013	1430.013	.000	.000	.000	.000	.000	.000	.000
216	.013	1432.013	.000	.000	.000	.000	.000	.000	.000
217	.013	1435.013	.000	.000	.000	.000	.000	.000	.000
218	.013	1439.013	.000	.000	.000	.000	.000	.000	.000
219	.013	1440.013	.000	.000	.000	.000	.000	.000	.000
220	.013	1441.013	.000	.000	.000	.000	.000	.000	.000
221	.001	1420.001	.000	.000	.000	.000	.000	.000	.000
222	.013	1423.013	.000	.000	.000	.000	.000	.000	.000
223	.013	1425.013	.000	.000	.000	.000	.000	.000	.000
224	.013	1428.013	.000	.000	.000	.000	.000	.000	.000
225	.013	1431.013	.000	.000	.000	.000	.000	.000	.000
226	.013	1434.013	.000	.000	.000	.000	.000	.000	.000
227	.013	1436.013	.000	.000	.000	.000	.000	.000	.000
228	.013	1437.013	.000	.000	.000	.000	.000	.000	.000
229	.013	1439.013	.000	.000	.000	.000	.000	.000	.000
230	.013	1422.013	.000	.000	.000	.000	.000	.000	.000
231	.013	1425.013	.000	.000	.000	.000	.000	.000	.000
232	.013	1428.013	.000	.000	.000	.000	.000	.000	.000
233	.013	1430.013	.000	.000	.000	.000	.000	.000	.000
234	.013	1432.013	.000	.000	.000	.000	.000	.000	.000
235	.013	1433.013	.000	.000	.000	.000	.000	.000	.000
236	.013	1434.013	.000	.000	.000	.000	.000	.000	.000
237	.013	1435.013	.000	.000	.000	.000	.000	.000	.000
238	.013	1422.013	.000	.000	.000	.000	.000	.000	.000
239	.013	1425.013	.000	.000	.000	.000	.000	.000	.000
240	.013	1427.013	.000	.000	.000	.000	.000	.000	.000
241	.013	1429.013	.000	.000	.000	.000	.000	.000	.000
242	.013	1430.013	.000	.000	.000	.000	.000	.000	.000

245	.013	1433.013	.000	.000	.000	.000	.000	.000	.000
246	.013	1424.013	.000	.000	.000	.000	.000	.000	.000
247	.013	1425.013	.000	.000	.000	.000	.000	.000	.000
248	.013	1426.013	.000	.000	.000	.000	.000	.000	.000
249	.013	1427.013	.000	.000	.000	.000	.000	.000	.000
250	.013	1428.013	.000	.000	.000	.000	.000	.000	.000
251	.013	1428.013	.000	.000	.000	.000	.000	.000	.000
252	.013	1428.013	.000	.000	.000	.000	.000	.000	.000
253	.013	1430.013	.000	.000	.000	.000	.000	.000	.000

MODEL TIME(HOURS) = 10.0002 INFLOW(CFS/LF) = .0000

1 N = .0350PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.016	1440.016	.000	.000	.000	.000	.000	.000	.000
2	.016	1438.016	.000	.000	.000	.000	.000	.000	.000
3	.016	1444.016	.000	.000	.000	.000	.000	.000	.000
4	.016	1446.016	.000	.000	.000	.000	.000	.000	.000
5	.016	1436.016	.000	.000	.000	.000	.000	.000	.000
6	.016	1436.016	.000	.000	.000	.000	.000	.000	.000
7	.016	1437.016	.000	.000	.000	.000	.000	.000	.000
8	.122	1447.122	.000	.000	.000	.000	.000	.000	.000
9	.016	1433.016	.000	.000	.000	.000	.000	.000	.000
10	.016	1432.016	.000	.000	.000	.000	.000	.000	.000
11	.016	1436.016	.000	.000	.000	.000	.000	.000	.000
12	.016	1443.016	.000	.000	.000	.000	.000	.000	.000
13	.016	1425.016	.000	.000	.000	.000	.000	.000	.000
14	.016	1429.016	.000	.000	.000	.000	.000	.000	.000
15	.016	1430.016	.000	.000	.000	.000	.000	.000	.000
16	.016	1435.016	.000	.000	.000	.000	.000	.000	.000
17	.016	1421.016	.000	.000	.000	.000	.000	.000	.000
18	.016	1423.016	.000	.000	.000	.000	.000	.000	.000
19	.016	1426.016	.000	.000	.000	.000	.000	.000	.000
20	.016	1431.016	.000	.000	.000	.000	.000	.000	.000
21	.016	1417.016	.000	.000	.000	.000	.000	.000	.000
22	.016	1419.016	.000	.000	.000	.000	.000	.000	.000
23	.016	1419.016	.000	.000	.000	.000	.000	.000	.000
24	.016	1423.016	.000	.000	.000	.000	.000	.000	.000
25	.016	1413.016	.000	.000	.000	.000	.000	.000	.000
26	.016	1416.016	.000	.000	.000	.000	.000	.000	.000
27	.016	1414.016	.000	.000	.000	.000	.000	.000	.000
28	.016	1418.016	.000	.000	.000	.000	.000	.000	.000
29	.016	1409.016	.000	.000	.000	.000	.000	.000	.000
30	.016	1414.016	.000	.000	.000	.000	.000	.000	.000
31	.016	1410.016	.000	.000	.000	.000	.000	.000	.000
32	.018	1415.018	.000	.000	.000	.000	.000	.000	.000
33	.016	1405.016	.000	.000	.000	.000	.000	.000	.000
34	.016	1406.016	.000	.000	.000	.000	.000	.000	.000
35	.016	1407.016	.000	.000	.000	.000	.000	.000	.000
36	.016	1412.016	.000	.000	.000	.000	.000	.000	.000
37	.016	1400.016	.000	.000	.000	.000	.000	.000	.000
38	.016	1402.016	.000	.000	.000	.000	.000	.000	.000
39	.016	1404.016	.000	.000	.000	.000	.000	.000	.000
40	.016	1409.016	.000	.000	.000	.000	.000	.000	.000
41	.016	1396.016	.000	.000	.000	.000	.000	.000	.000
42	.016	1398.016	.000	.000	.000	.000	.000	.000	.000
43	.016	1400.016	.000	.000	.000	.000	.000	.000	.000
44	.016	1405.016	.000	.000	.000	.000	.000	.000	.000
45	.016	1392.016	.000	.000	.000	.000	.000	.000	.000
46	.016	1394.016	.000	.000	.000	.000	.000	.000	.000

49	.016	1389.016	.000	.000	.000	.000	.000	.000	.000
50	.016	1390.016	.000	.000	.000	.000	.000	.000	.000
51	.016	1392.016	.000	.000	.000	.000	.000	.000	.000
52	.016	1394.016	.000	.000	.000	.000	.000	.000	.000
53	.016	1399.016	.000	.000	.000	.000	.000	.000	.000
54	.016	1405.016	.000	.000	.000	.000	.000	.000	.000
55	.016	1409.016	.000	.000	.000	.000	.000	.000	.000
56	.016	1413.016	.000	.000	.000	.000	.000	.000	.000
57	.016	1417.016	.000	.000	.000	.000	.000	.000	.000
58	.016	1422.016	.000	.000	.000	.000	.000	.000	.000
59	.086	1427.086	.000	.000	.000	.000	.000	.000	.000
60	.016	1431.016	.000	.000	.000	.000	.000	.000	.000
61	.016	1435.016	.000	.000	.000	.000	.000	.000	.000
62	.016	1438.016	.000	.000	.000	.000	.000	.000	.000
63	.017	1441.017	.000	.000	.000	.000	.000	.000	.000
64	.016	1445.016	.000	.000	.000	.000	.000	.000	.000
65	.016	1447.016	.000	.000	.000	.000	.000	.000	.000
66	.016	1450.016	.000	.000	.000	.000	.000	.000	.000
67	.016	1449.016	.000	.000	.000	.000	.000	.000	.000
68	.016	1452.016	.000	.000	.000	.000	.000	.000	.000
69	.016	1455.016	.000	.000	.000	.000	.000	.000	.000
70	.016	1458.016	.000	.000	.000	.000	.000	.000	.000
71	.016	1461.016	.000	.000	.000	.000	.000	.000	.000
72	.016	1463.016	.000	.000	.000	.000	.000	.000	.000
73	.016	1386.016	.000	.000	.000	.000	.000	.000	.000
74	.016	1387.016	.000	.000	.000	.000	.000	.000	.000
75	.016	1389.016	.000	.000	.000	.000	.000	.000	.000
76	.016	1393.016	.000	.000	.000	.000	.000	.000	.000
77	.016	1397.016	.000	.000	.000	.000	.000	.000	.000
78	.016	1402.016	.000	.000	.000	.000	.000	.000	.000
79	.016	1407.016	.000	.000	.000	.000	.000	.000	.000
80	.016	1412.016	.000	.000	.000	.000	.000	.000	.000
81	.016	1418.016	.000	.000	.000	.000	.000	.000	.000
82	.016	1422.016	.000	.000	.000	.000	.000	.000	.000
83	.016	1425.016	.000	.000	.000	.000	.000	.000	.000
84	.016	1428.016	.000	.000	.000	.000	.000	.000	.000
85	.016	1433.016	.000	.000	.000	.000	.000	.000	.000
86	.016	1435.016	.000	.000	.000	.000	.000	.000	.000
87	.016	1438.016	.000	.000	.000	.000	.000	.000	.000
88	.016	1441.016	.000	.000	.000	.000	.000	.000	.000
89	.016	1443.016	.000	.000	.000	.000	.000	.000	.000
90	.016	1446.016	.000	.000	.000	.000	.000	.000	.000
91	.016	1446.016	.000	.000	.000	.000	.000	.000	.000
92	.016	1448.016	.000	.000	.000	.000	.000	.000	.000
93	.016	1451.016	.000	.000	.000	.000	.000	.000	.000
94	.016	1456.016	.000	.000	.000	.000	.000	.000	.000
95	.016	1458.016	.000	.000	.000	.000	.000	.000	.000
96	.016	1459.016	.000	.000	.000	.000	.000	.000	.000
97	.016	1382.016	.000	.000	.000	.000	.000	.000	.000
98	.016	1384.016	.000	.000	.000	.000	.000	.000	.000
99	.016	1387.016	.000	.000	.000	.000	.000	.000	.000
100	.016	1391.016	.000	.000	.000	.000	.000	.000	.000
101	.016	1397.016	.000	.000	.000	.000	.000	.000	.000
102	.016	1403.016	.000	.000	.000	.000	.000	.000	.000
103	.016	1407.016	.000	.000	.000	.000	.000	.000	.000
104	.016	1413.016	.000	.000	.000	.000	.000	.000	.000
105	.016	1416.016	.000	.000	.000	.000	.000	.000	.000
106	.016	1419.016	.000	.000	.000	.000	.000	.000	.000
107	.016	1422.016	.000	.000	.000	.000	.000	.000	.000
108	.016	1425.016	.000	.000	.000	.000	.000	.000	.000
109	.016	1429.016	.000	.000	.000	.000	.000	.000	.000
110	.016	1432.016	.000	.000	.000	.000	.000	.000	.000
111	.016	1434.016	.000	.000	.000	.000	.000	.000	.000
112	.016	1436.016	.000	.000	.000	.000	.000	.000	.000

115	.016	1443.016	.000	.000	.000	.000	.000	.000	.000
116	.016	1445.016	.000	.000	.000	.000	.000	.000	.000
117	.016	1449.016	.000	.000	.000	.000	.000	.000	.000
118	.016	1452.016	.000	.000	.000	.000	.000	.000	.000
119	.016	1454.016	.000	.000	.000	.000	.000	.000	.000
120	.016	1457.016	.000	.000	.000	.000	.000	.000	.000
121	.016	1380.016	.000	.000	.000	.000	.000	.000	.000
122	.016	1382.016	.000	.000	.000	.000	.000	.000	.000
123	.016	1386.016	.000	.000	.000	.000	.000	.000	.000
124	.016	1391.016	.000	.000	.000	.000	.000	.000	.000
125	.016	1396.016	.000	.000	.000	.000	.000	.000	.000
126	.016	1401.016	.000	.000	.000	.000	.000	.000	.000
127	.016	1407.016	.000	.000	.000	.000	.000	.000	.000
128	.016	1407.016	.000	.000	.000	.000	.000	.000	.000
129	.016	1412.016	.000	.000	.000	.000	.000	.000	.000
130	.016	1415.016	.000	.000	.000	.000	.000	.000	.000
131	.016	1418.016	.000	.000	.000	.000	.000	.000	.000
132	.016	1422.016	.000	.000	.000	.000	.000	.000	.000
133	.016	1426.016	.000	.000	.000	.000	.000	.000	.000
134	.016	1430.016	.000	.000	.000	.000	.000	.000	.000
135	.016	1430.016	.000	.000	.000	.000	.000	.000	.000
136	.016	1433.016	.000	.000	.000	.000	.000	.000	.000
137	.016	1435.016	.000	.000	.000	.000	.000	.000	.000
138	.016	1436.016	.000	.000	.000	.000	.000	.000	.000
139	.016	1439.016	.000	.000	.000	.000	.000	.000	.000
140	.016	1444.016	.000	.000	.000	.000	.000	.000	.000
141	.016	1446.016	.000	.000	.000	.000	.000	.000	.000
142	.016	1447.016	.000	.000	.000	.000	.000	.000	.000
143	.016	1451.016	.000	.000	.000	.000	.000	.000	.000
144	.016	1453.016	.000	.000	.000	.000	.000	.000	.000
145	.016	1378.016	.000	.000	.000	.000	.000	.000	.000
146	.016	1381.016	.000	.000	.000	.000	.000	.000	.000
147	.016	1384.016	.000	.000	.000	.000	.000	.000	.000
148	.016	1389.016	.000	.000	.000	.000	.000	.000	.000
149	.016	1394.016	.000	.000	.000	.000	.000	.000	.000
150	.016	1400.016	.000	.000	.000	.000	.000	.000	.000
151	.016	1402.016	.000	.000	.000	.000	.000	.000	.000
152	.016	1406.016	.000	.000	.000	.000	.000	.000	.000
153	.016	1410.016	.000	.000	.000	.000	.000	.000	.000
154	.016	1413.016	.000	.000	.000	.000	.000	.000	.000
155	.016	1417.016	.000	.000	.000	.000	.000	.000	.000
156	.016	1421.016	.000	.000	.000	.000	.000	.000	.000
157	.016	1424.016	.000	.000	.000	.000	.000	.000	.000
158	.016	1424.016	.000	.000	.000	.000	.000	.000	.000
159	.016	1426.016	.000	.000	.000	.000	.000	.000	.000
160	.016	1428.016	.000	.000	.000	.000	.000	.000	.000
161	.016	1430.016	.000	.000	.000	.000	.000	.000	.000
162	.016	1433.016	.000	.000	.000	.000	.000	.000	.000
163	.016	1437.016	.000	.000	.000	.000	.000	.000	.000
164	.016	1441.016	.000	.000	.000	.000	.000	.000	.000
165	.016	1443.016	.000	.000	.000	.000	.000	.000	.000
166	.016	1445.016	.000	.000	.000	.000	.000	.000	.000
167	.016	1448.016	.000	.000	.000	.000	.000	.000	.000
168	.016	1452.016	.000	.000	.000	.000	.000	.000	.000
169	.002	1378.002	.000	.000	.000	.000	.000	.000	.000
170	.002	1381.002	.000	.000	.000	.000	.000	.000	.000
171	.002	1384.002	.000	.000	.000	.000	.000	.000	.000
172	.002	1388.002	.000	.000	.000	.000	.000	.000	.000
173	.002	1392.002	.000	.000	.000	.000	.000	.000	.000
174	.002	1397.002	.000	.000	.000	.000	.000	.000	.000
175	.002	1401.002	.000	.000	.000	.000	.000	.000	.000
176	.002	1405.002	.000	.000	.000	.000	.000	.000	.000
177	.002	1408.002	.000	.000	.000	.000	.000	.000	.000
178	.016	1411.016	.000	.000	.000	.000	.000	.000	.000

181	.016	1418.016	.000	.000	.000	.000	.000	.000	.000
182	.016	1421.016	.000	.000	.000	.000	.000	.000	.000
183	.016	1423.016	.000	.000	.000	.000	.000	.000	.000
184	.016	1425.016	.000	.000	.000	.000	.000	.000	.000
185	.016	1427.016	.000	.000	.000	.000	.000	.000	.000
186	.016	1433.016	.000	.000	.000	.000	.000	.000	.000
187	.016	1435.016	.000	.000	.000	.000	.000	.000	.000
188	.016	1437.016	.000	.000	.000	.000	.000	.000	.000
189	.016	1440.016	.000	.000	.000	.000	.000	.000	.000
190	.016	1442.016	.000	.000	.000	.000	.000	.000	.000
191	.016	1445.016	.000	.000	.000	.000	.000	.000	.000
192	.016	1448.016	.000	.000	.000	.000	.000	.000	.000
193	.002	1407.002	.000	.000	.000	.000	.000	.000	.000
194	.002	1411.002	.000	.000	.000	.000	.000	.000	.000
195	.016	1412.016	.000	.000	.000	.000	.000	.000	.000
196	.016	1415.016	.000	.000	.000	.000	.000	.000	.000
197	.016	1418.016	.000	.000	.000	.000	.000	.000	.000
198	.016	1420.016	.000	.000	.000	.000	.000	.000	.000
199	.016	1423.016	.000	.000	.000	.000	.000	.000	.000
200	.016	1427.016	.000	.000	.000	.000	.000	.000	.000
201	.016	1430.016	.000	.000	.000	.000	.000	.000	.000
202	.016	1433.016	.000	.000	.000	.000	.000	.000	.000
203	.016	1435.016	.000	.000	.000	.000	.000	.000	.000
204	.016	1437.016	.000	.000	.000	.000	.000	.000	.000
205	.016	1439.016	.000	.000	.000	.000	.000	.000	.000
206	.016	1443.016	.000	.000	.000	.000	.000	.000	.000
207	.016	1444.016	.000	.000	.000	.000	.000	.000	.000
208	.002	1410.002	.000	.000	.000	.000	.000	.000	.000
209	.002	1413.002	.000	.000	.000	.000	.000	.000	.000
210	.002	1415.002	.000	.000	.000	.000	.000	.000	.000
211	.002	1419.002	.000	.000	.000	.000	.000	.000	.000
212	.016	1422.016	.000	.000	.000	.000	.000	.000	.000
213	.016	1425.016	.000	.000	.000	.000	.000	.000	.000
214	.016	1427.016	.000	.000	.000	.000	.000	.000	.000
215	.016	1430.016	.000	.000	.000	.000	.000	.000	.000
216	.016	1432.016	.000	.000	.000	.000	.000	.000	.000
217	.016	1435.016	.000	.000	.000	.000	.000	.000	.000
218	.016	1439.016	.000	.000	.000	.000	.000	.000	.000
219	.016	1440.016	.000	.000	.000	.000	.000	.000	.000
220	.016	1441.016	.000	.000	.000	.000	.000	.000	.000
221	.002	1420.002	.000	.000	.000	.000	.000	.000	.000
222	.016	1423.016	.000	.000	.000	.000	.000	.000	.000
223	.016	1425.016	.000	.000	.000	.000	.000	.000	.000
224	.016	1428.016	.000	.000	.000	.000	.000	.000	.000
225	.016	1431.016	.000	.000	.000	.000	.000	.000	.000
226	.016	1434.016	.000	.000	.000	.000	.000	.000	.000
227	.016	1436.016	.000	.000	.000	.000	.000	.000	.000
228	.016	1437.016	.000	.000	.000	.000	.000	.000	.000
229	.016	1439.016	.000	.000	.000	.000	.000	.000	.000
230	.016	1422.016	.000	.000	.000	.000	.000	.000	.000
231	.016	1425.016	.000	.000	.000	.000	.000	.000	.000
232	.016	1428.016	.000	.000	.000	.000	.000	.000	.000
233	.016	1430.016	.000	.000	.000	.000	.000	.000	.000
234	.016	1432.016	.000	.000	.000	.000	.000	.000	.000
235	.016	1433.016	.000	.000	.000	.000	.000	.000	.000
236	.016	1434.016	.000	.000	.000	.000	.000	.000	.000
237	.016	1435.016	.000	.000	.000	.000	.000	.000	.000
238	.016	1422.016	.000	.000	.000	.000	.000	.000	.000
239	.016	1425.016	.000	.000	.000	.000	.000	.000	.000
240	.016	1427.016	.000	.000	.000	.000	.000	.000	.000
241	.016	1429.016	.000	.000	.000	.000	.000	.000	.000
242	.016	1430.016	.000	.000	.000	.000	.000	.000	.000
243	.016	1431.016	.000	.000	.000	.000	.000	.000	.000
244	.016	1431.016	.000	.000	.000	.000	.000	.000	.000

247	.016	1425.016	.000	.000	.000	.000	.000	.000	.000
248	.016	1426.016	.000	.000	.000	.000	.000	.000	.000
249	.016	1427.016	.000	.000	.000	.000	.000	.000	.000
250	.016	1428.016	.000	.000	.000	.000	.000	.000	.000
251	.016	1428.016	.000	.000	.000	.000	.000	.000	.000
252	.016	1428.016	.000	.000	.000	.000	.000	.000	.000
253	.016	1430.016	.000	.000	.000	.000	.000	.000	.000

MODEL TIME(HOURS) = 11.0002 INFLOW(CFS/LF) = .0000

1 N = .0350PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.021	1440.021	.000	.000	.000	.000	.000	.000	.000
2	.021	1438.021	.000	.000	.000	.000	.000	.000	.000
3	.021	1444.021	.000	.000	.000	.000	.000	.000	.000
4	.022	1446.022	.000	.000	.000	.000	.000	.000	.000
5	.021	1436.021	.000	.000	.000	.000	.000	.000	.000
6	.021	1436.021	.000	.000	.000	.000	.000	.000	.000
7	.036	1437.036	-1.586	.000	1.586	.735	.057	-37.845	.000
8	.166	1447.166	-.346	.000	.346	.075	.057	-37.845	.000
9	.021	1433.021	.000	.000	.000	.000	.000	.000	.000
10	.021	1432.021	.000	.000	.000	.000	.000	.000	.000
11	.021	1436.021	.000	.000	.000	.000	.000	.000	.000
12	.023	1443.023	.000	.000	.000	.000	.000	.000	.000
13	.021	1425.021	.000	.000	.000	.000	.000	.000	.000
14	.021	1429.021	.000	.000	.000	.000	.000	.000	.000
15	.021	1430.021	.000	.000	.000	.000	.000	.000	.000
16	.023	1435.023	.000	.000	.000	.000	.000	.000	.000
17	.021	1421.021	.000	.000	.000	.000	.000	.000	.000
18	.021	1423.021	.000	.000	.000	.000	.000	.000	.000
19	.021	1426.021	.000	.000	.000	.000	.000	.000	.000
20	.021	1431.021	.000	.000	.000	.000	.000	.000	.000
21	.021	1417.021	.000	.000	.000	.000	.000	.000	.000
22	.021	1419.021	.000	.000	.000	.000	.000	.000	.000
23	.021	1419.021	.000	.000	.000	.000	.000	.000	.000
24	.023	1423.023	.000	.000	.000	.000	.000	.000	.000
25	.021	1413.021	.000	.000	.000	.000	.000	.000	.000
26	.021	1416.021	.000	.000	.000	.000	.000	.000	.000
27	.021	1414.021	.000	.000	.000	.000	.000	.000	.000
28	.021	1418.021	.000	.000	.000	.000	.000	.000	.000
29	.021	1409.021	.000	.000	.000	.000	.000	.000	.000
30	.021	1414.021	.000	.000	.000	.000	.000	.000	.000
31	.021	1410.021	.000	.000	.000	.000	.000	.000	.000
32	.038	1415.038	.000	.000	.000	.000	.000	.000	.000
33	.021	1405.021	.000	.000	.000	.000	.000	.000	.000
34	.021	1406.021	.000	.000	.000	.000	.000	.000	.000
35	.021	1407.021	.000	.000	.000	.000	.000	.000	.000
36	.021	1412.021	.000	.000	.000	.000	.000	.000	.000
37	.021	1400.021	.000	.000	.000	.000	.000	.000	.000
38	.021	1402.021	.000	.000	.000	.000	.000	.000	.000
39	.021	1404.021	.000	.000	.000	.000	.000	.000	.000
40	.021	1409.021	.000	.000	.000	.000	.000	.000	.000
41	.021	1396.021	.000	.000	.000	.000	.000	.000	.000
42	.021	1398.021	.000	.000	.000	.000	.000	.000	.000
43	.021	1400.021	.000	.000	.000	.000	.000	.000	.000
44	.021	1405.021	.000	.000	.000	.000	.000	.000	.000
45	.021	1392.021	.000	.000	.000	.000	.000	.000	.000
46	.021	1394.021	.000	.000	.000	.000	.000	.000	.000
47	.021	1397.021	.000	.000	.000	.000	.000	.000	.000
48	.025	1400.025	.000	.000	.000	.000	.000	.000	.000

50	.021	1390.021	.000	.000	.000	.000	.000	.000	.000
51	.021	1392.021	.000	.000	.000	.000	.000	.000	.000
52	.021	1394.021	.000	.000	.000	.000	.000	.000	.000
53	.021	1399.021	.000	.000	.000	.000	.000	.000	.000
54	.021	1405.021	.000	.000	.000	.000	.000	.000	.000
55	.021	1409.021	.000	.000	.000	.000	.000	.000	.000
56	.024	1413.024	.000	.000	.000	.000	.000	.000	.000
57	.031	1417.031	.000	.000	.000	.000	.000	.000	.000
58	.021	1422.021	.000	.000	.000	.000	.000	.000	.000
59	.129	1427.129	.000	.000	.000	.000	.000	.000	.000
60	.021	1431.021	.000	.000	.000	.000	.000	.000	.000
61	.029	1435.029	.000	.000	.000	.000	.000	.000	.000
62	.021	1438.021	.000	.000	.000	.000	.000	.000	.000
63	.059	1441.059	.000	.000	.000	.000	.000	.000	.000
64	.021	1445.021	.000	.000	.000	.000	.000	.000	.000
65	.021	1447.021	.000	.000	.000	.000	.000	.000	.000
66	.021	1450.021	.000	.000	.000	.000	.000	.000	.000
67	.024	1449.024	.000	.000	.000	.000	.000	.000	.000
68	.021	1452.021	.000	.000	.000	.000	.000	.000	.000
69	.024	1455.024	.000	.000	.000	.000	.000	.000	.000
70	.021	1458.021	.000	.000	.000	.000	.000	.000	.000
71	.025	1461.025	.000	.000	.000	.000	.000	.000	.000
72	.021	1463.021	.000	.000	.000	.000	.000	.000	.000
73	.021	1386.021	.000	.000	.000	.000	.000	.000	.000
74	.021	1387.021	.000	.000	.000	.000	.000	.000	.000
75	.021	1389.021	.000	.000	.000	.000	.000	.000	.000
76	.021	1393.021	.000	.000	.000	.000	.000	.000	.000
77	.021	1397.021	.000	.000	.000	.000	.000	.000	.000
78	.021	1402.021	.000	.000	.000	.000	.000	.000	.000
79	.021	1407.021	.000	.000	.000	.000	.000	.000	.000
80	.021	1412.021	.000	.000	.000	.000	.000	.000	.000
81	.021	1418.021	.000	.000	.000	.000	.000	.000	.000
82	.021	1422.021	.000	.000	.000	.000	.000	.000	.000
83	.021	1425.021	.000	.000	.000	.000	.000	.000	.000
84	.021	1428.021	.000	.000	.000	.000	.000	.000	.000
85	.021	1433.021	.000	.000	.000	.000	.000	.000	.000
86	.021	1435.021	.000	.000	.000	.000	.000	.000	.000
87	.021	1438.021	.000	.000	.000	.000	.000	.000	.000
88	.021	1441.021	.000	.000	.000	.000	.000	.000	.000
89	.021	1443.021	.000	.000	.000	.000	.000	.000	.000
90	.021	1446.021	.000	.000	.000	.000	.000	.000	.000
91	.021	1446.021	.000	.000	.000	.000	.000	.000	.000
92	.021	1448.021	.000	.000	.000	.000	.000	.000	.000
93	.021	1451.021	.000	.000	.000	.000	.000	.000	.000
94	.021	1456.021	.000	.000	.000	.000	.000	.000	.000
95	.021	1458.021	.000	.000	.000	.000	.000	.000	.000
96	.021	1459.021	.000	.000	.000	.000	.000	.000	.000
97	.021	1382.021	.000	.000	.000	.000	.000	.000	.000
98	.021	1384.021	.000	.000	.000	.000	.000	.000	.000
99	.021	1387.021	.000	.000	.000	.000	.000	.000	.000
100	.021	1391.021	.000	.000	.000	.000	.000	.000	.000
101	.021	1397.021	.000	.000	.000	.000	.000	.000	.000
102	.021	1403.021	.000	.000	.000	.000	.000	.000	.000
103	.021	1407.021	.000	.000	.000	.000	.000	.000	.000
104	.021	1413.021	.000	.000	.000	.000	.000	.000	.000
105	.021	1416.021	.000	.000	.000	.000	.000	.000	.000
106	.021	1419.021	.000	.000	.000	.000	.000	.000	.000
107	.021	1422.021	.000	.000	.000	.000	.000	.000	.000
108	.021	1425.021	.000	.000	.000	.000	.000	.000	.000
109	.021	1429.021	.000	.000	.000	.000	.000	.000	.000
110	.021	1432.021	.000	.000	.000	.000	.000	.000	.000
111	.021	1434.021	.000	.000	.000	.000	.000	.000	.000
112	.021	1436.021	.000	.000	.000	.000	.000	.000	.000
113	.021	1438.021	.000	.000	.000	.000	.000	.000	.000
114	.021	1440.021	.000	.000	.000	.000	.000	.000	.000

116	.021	1445.021	.000	.000	.000	.000	.000	.000	.000
117	.021	1449.021	.000	.000	.000	.000	.000	.000	.000
118	.021	1452.021	.000	.000	.000	.000	.000	.000	.000
119	.021	1454.021	.000	.000	.000	.000	.000	.000	.000
120	.021	1457.021	.000	.000	.000	.000	.000	.000	.000
121	.021	1380.021	.000	.000	.000	.000	.000	.000	.000
122	.021	1382.021	.000	.000	.000	.000	.000	.000	.000
123	.021	1386.021	.000	.000	.000	.000	.000	.000	.000
124	.021	1391.021	.000	.000	.000	.000	.000	.000	.000
125	.021	1396.021	.000	.000	.000	.000	.000	.000	.000
126	.021	1401.021	.000	.000	.000	.000	.000	.000	.000
127	.021	1407.021	.000	.000	.000	.000	.000	.000	.000
128	.021	1407.021	.000	.000	.000	.000	.000	.000	.000
129	.021	1412.021	.000	.000	.000	.000	.000	.000	.000
130	.021	1415.021	.000	.000	.000	.000	.000	.000	.000
131	.021	1418.021	.000	.000	.000	.000	.000	.000	.000
132	.021	1422.021	.000	.000	.000	.000	.000	.000	.000
133	.021	1426.021	.000	.000	.000	.000	.000	.000	.000
134	.021	1430.021	.000	.000	.000	.000	.000	.000	.000
135	.021	1430.021	.000	.000	.000	.000	.000	.000	.000
136	.021	1433.021	.000	.000	.000	.000	.000	.000	.000
137	.021	1435.021	.000	.000	.000	.000	.000	.000	.000
138	.021	1436.021	.000	.000	.000	.000	.000	.000	.000
139	.021	1439.021	.000	.000	.000	.000	.000	.000	.000
140	.021	1444.021	.000	.000	.000	.000	.000	.000	.000
141	.021	1446.021	.000	.000	.000	.000	.000	.000	.000
142	.021	1447.021	.000	.000	.000	.000	.000	.000	.000
143	.021	1451.021	.000	.000	.000	.000	.000	.000	.000
144	.030	1453.030	.000	.000	.000	.000	.000	.000	.000
145	.021	1378.021	.000	.000	.000	.000	.000	.000	.000
146	.021	1381.021	.000	.000	.000	.000	.000	.000	.000
147	.021	1384.021	.000	.000	.000	.000	.000	.000	.000
148	.021	1389.021	.000	.000	.000	.000	.000	.000	.000
149	.021	1394.021	.000	.000	.000	.000	.000	.000	.000
150	.021	1400.021	.000	.000	.000	.000	.000	.000	.000
151	.021	1402.021	.000	.000	.000	.000	.000	.000	.000
152	.021	1406.021	.000	.000	.000	.000	.000	.000	.000
153	.021	1410.021	.000	.000	.000	.000	.000	.000	.000
154	.021	1413.021	.000	.000	.000	.000	.000	.000	.000
155	.021	1417.021	.000	.000	.000	.000	.000	.000	.000
156	.021	1421.021	.000	.000	.000	.000	.000	.000	.000
157	.021	1424.021	.000	.000	.000	.000	.000	.000	.000
158	.021	1424.021	.000	.000	.000	.000	.000	.000	.000
159	.021	1426.021	.000	.000	.000	.000	.000	.000	.000
160	.021	1428.021	.000	.000	.000	.000	.000	.000	.000
161	.021	1430.021	.000	.000	.000	.000	.000	.000	.000
162	.021	1433.021	.000	.000	.000	.000	.000	.000	.000
163	.021	1437.021	.000	.000	.000	.000	.000	.000	.000
164	.021	1441.021	.000	.000	.000	.000	.000	.000	.000
165	.021	1443.021	.000	.000	.000	.000	.000	.000	.000
166	.021	1445.021	.000	.000	.000	.000	.000	.000	.000
167	.021	1448.021	.000	.000	.000	.000	.000	.000	.000
168	.021	1452.021	.000	.000	.000	.000	.000	.000	.000
169	.003	1378.003	.000	.000	.000	.000	.000	.000	.000
170	.003	1381.003	.000	.000	.000	.000	.000	.000	.000
171	.003	1384.003	.000	.000	.000	.000	.000	.000	.000
172	.003	1388.003	.000	.000	.000	.000	.000	.000	.000
173	.003	1392.003	.000	.000	.000	.000	.000	.000	.000
174	.003	1397.003	.000	.000	.000	.000	.000	.000	.000
175	.003	1401.003	.000	.000	.000	.000	.000	.000	.000
176	.003	1405.003	.000	.000	.000	.000	.000	.000	.000
177	.003	1408.003	.000	.000	.000	.000	.000	.000	.000
178	.021	1411.021	.000	.000	.000	.000	.000	.000	.000
179	.021	1415.021	.000	.000	.000	.000	.000	.000	.000
180	.021	1417.021	.000	.000	.000	.000	.000	.000	.000

183	.021	1423.021	.000	.000	.000	.000	.000	.000	.000
184	.021	1425.021	.000	.000	.000	.000	.000	.000	.000
185	.021	1427.021	.000	.000	.000	.000	.000	.000	.000
186	.021	1433.021	.000	.000	.000	.000	.000	.000	.000
187	.021	1435.021	.000	.000	.000	.000	.000	.000	.000
188	.021	1437.021	.000	.000	.000	.000	.000	.000	.000
189	.021	1440.021	.000	.000	.000	.000	.000	.000	.000
190	.021	1442.021	.000	.000	.000	.000	.000	.000	.000
191	.021	1445.021	.000	.000	.000	.000	.000	.000	.000
192	.033	1448.033	.000	.000	.000	.000	.000	.000	.000
193	.003	1407.003	.000	.000	.000	.000	.000	.000	.000
194	.003	1411.003	.000	.000	.000	.000	.000	.000	.000
195	.021	1412.021	.000	.000	.000	.000	.000	.000	.000
196	.021	1415.021	.000	.000	.000	.000	.000	.000	.000
197	.021	1418.021	.000	.000	.000	.000	.000	.000	.000
198	.021	1420.021	.000	.000	.000	.000	.000	.000	.000
199	.021	1423.021	.000	.000	.000	.000	.000	.000	.000
200	.021	1427.021	.000	.000	.000	.000	.000	.000	.000
201	.021	1430.021	.000	.000	.000	.000	.000	.000	.000
202	.021	1433.021	.000	.000	.000	.000	.000	.000	.000
203	.021	1435.021	.000	.000	.000	.000	.000	.000	.000
204	.021	1437.021	.000	.000	.000	.000	.000	.000	.000
205	.021	1439.021	.000	.000	.000	.000	.000	.000	.000
206	.021	1443.021	.000	.000	.000	.000	.000	.000	.000
207	.021	1444.021	.000	.000	.000	.000	.000	.000	.000
208	.003	1410.003	.000	.000	.000	.000	.000	.000	.000
209	.003	1413.003	.000	.000	.000	.000	.000	.000	.000
210	.003	1415.003	.000	.000	.000	.000	.000	.000	.000
211	.003	1419.003	.000	.000	.000	.000	.000	.000	.000
212	.021	1422.021	.000	.000	.000	.000	.000	.000	.000
213	.021	1425.021	.000	.000	.000	.000	.000	.000	.000
214	.021	1427.021	.000	.000	.000	.000	.000	.000	.000
215	.021	1430.021	.000	.000	.000	.000	.000	.000	.000
216	.021	1432.021	.000	.000	.000	.000	.000	.000	.000
217	.021	1435.021	.000	.000	.000	.000	.000	.000	.000
218	.021	1439.021	.000	.000	.000	.000	.000	.000	.000
219	.021	1440.021	.000	.000	.000	.000	.000	.000	.000
220	.022	1441.022	.000	.000	.000	.000	.000	.000	.000
221	.003	1420.003	.000	.000	.000	.000	.000	.000	.000
222	.021	1423.021	.000	.000	.000	.000	.000	.000	.000
223	.021	1425.021	.000	.000	.000	.000	.000	.000	.000
224	.021	1428.021	.000	.000	.000	.000	.000	.000	.000
225	.021	1431.021	.000	.000	.000	.000	.000	.000	.000
226	.021	1434.021	.000	.000	.000	.000	.000	.000	.000
227	.021	1436.021	.000	.000	.000	.000	.000	.000	.000
228	.021	1437.021	.000	.000	.000	.000	.000	.000	.000
229	.021	1439.021	.000	.000	.000	.000	.000	.000	.000
230	.021	1422.021	.000	.000	.000	.000	.000	.000	.000
231	.021	1425.021	.000	.000	.000	.000	.000	.000	.000
232	.021	1428.021	.000	.000	.000	.000	.000	.000	.000
233	.021	1430.021	.000	.000	.000	.000	.000	.000	.000
234	.021	1432.021	.000	.000	.000	.000	.000	.000	.000
235	.021	1433.021	.000	.000	.000	.000	.000	.000	.000
236	.021	1434.021	.000	.000	.000	.000	.000	.000	.000
237	.021	1435.021	.000	.000	.000	.000	.000	.000	.000
238	.021	1422.021	.000	.000	.000	.000	.000	.000	.000
239	.021	1425.021	.000	.000	.000	.000	.000	.000	.000
240	.021	1427.021	.000	.000	.000	.000	.000	.000	.000
241	.021	1429.021	.000	.000	.000	.000	.000	.000	.000
242	.021	1430.021	.000	.000	.000	.000	.000	.000	.000
243	.021	1431.021	.000	.000	.000	.000	.000	.000	.000
244	.021	1431.021	.000	.000	.000	.000	.000	.000	.000
245	.021	1433.021	.000	.000	.000	.000	.000	.000	.000
246	.021	1424.021	.000	.000	.000	.000	.000	.000	.000

249	.021	1427.021	.000	.000	.000	.000	.000	.000	.000
250	.021	1428.021	.000	.000	.000	.000	.000	.000	.000
251	.021	1428.021	.000	.000	.000	.000	.000	.000	.000
252	.021	1428.021	.000	.000	.000	.000	.000	.000	.000
253	.022	1430.022	.000	.000	.000	.000	.000	.000	.000

MODEL TIME(HOURS) = 12.0002 INFLOW(CFS/LF) = .0682

1 N = .0350PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.053	1440.053	.000	.000	.000	.000	.000	.000	.000
2	.100	1438.100	.000	-.438	.438	.122	.044	.000	-29.019
3	.053	1444.053	.000	.000	.000	.000	.000	.000	.000
4	.055	1446.055	.000	.000	.000	.000	.000	.000	.000
5	.066	1436.066	-.132	.000	.132	.045	.009	-5.752	.000
6	.183	1436.183	-.423	-.798	.903	.251	.165	-51.060	-96.383
7	.260	1437.260	-.860	-.191	.881	.182	.229	-147.456	-32.704
8	.111	1447.111	-1.389	.000	1.389	.367	.155	-102.147	.000
9	.053	1433.053	.000	.000	.000	.000	.000	.000	.000
10	.197	1432.197	.000	-.823	.823	.163	.162	.000	-106.797
11	.099	1436.099	.000	-.500	.500	.140	.050	.000	-32.704
12	.055	1443.055	.000	.000	.000	.000	.000	.000	.000
13	.053	1425.053	.000	.000	.000	.000	.000	.000	.000
14	.106	1429.106	-.331	-.563	.653	.242	.069	-23.228	-39.433
15	.191	1430.192	-.577	-.344	.672	.186	.129	-72.952	-43.533
16	.101	1435.101	-.746	-.363	.830	.307	.084	-49.724	-24.236
17	.053	1421.053	.000	.000	.000	.000	.000	.000	.000
18	.053	1423.053	.000	.000	.000	.000	.000	.000	.000
19	.099	1426.099	.000	-.667	.667	.187	.066	.000	-43.533
20	.100	1431.100	.000	-1.064	1.064	.297	.106	.000	-70.153
21	.053	1417.053	.000	.000	.000	.000	.000	.000	.000
22	.053	1419.053	.000	.000	.000	.000	.000	.000	.000
23	.144	1419.144	-.439	.000	.439	.102	.063	-41.577	.000
24	.144	1423.144	-.438	-.911	1.011	.314	.145	-41.577	-86.455
25	.053	1413.053	.000	.000	.000	.000	.000	.000	.000
26	.053	1416.053	.000	.000	.000	.000	.000	.000	.000
27	.053	1414.053	.000	.000	.000	.000	.000	.000	.000
28	.118	1418.118	.000	-.903	.903	.231	.107	.000	-70.594
29	.053	1409.053	.000	.000	.000	.000	.000	.000	.000
30	.053	1414.053	.000	.000	.000	.000	.000	.000	.000
31	.186	1410.186	-.466	-.312	.561	.159	.105	-57.348	-38.417
32	.137	1415.136	-.637	-.730	.969	.326	.132	-57.348	-65.786
33	.053	1405.053	.000	.000	.000	.000	.000	.000	.000
34	.053	1406.053	.000	.000	.000	.000	.000	.000	.000
35	.113	1407.113	-.516	-.516	.730	.271	.082	-38.444	-38.417
36	.145	1412.145	-.402	-.374	.549	.180	.080	-38.444	-35.731
37	.053	1400.053	.000	.000	.000	.000	.000	.000	.000
38	.053	1402.053	.000	.000	.000	.000	.000	.000	.000
39	.053	1404.053	.000	.000	.000	.000	.000	.000	.000
40	.053	1409.053	.000	.000	.000	.000	.000	.000	.000
41	.053	1396.053	.000	.000	.000	.000	.000	.000	.000
42	.053	1398.053	.000	.000	.000	.000	.000	.000	.000
43	.053	1400.053	.000	.000	.000	.000	.000	.000	.000
44	.053	1405.053	.000	.000	.000	.000	.000	.000	.000
45	.053	1392.053	.000	.000	.000	.000	.000	.000	.000
46	.053	1394.053	.000	.000	.000	.000	.000	.000	.000
47	.131	1397.131	-.329	.000	.329	.080	.043	-28.524	.000
48	.115	1400.115	-.375	-.650	.751	.266	.087	-28.524	-49.453
49	.053	1389.053	.000	.000	.000	.000	.000	.000	.000
50	.053	1390.053	.000	.000	.000	.000	.000	.000	.000

52	.106	1398.106	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
53	.053	1399.053	.000	.000	.000	.000	.000	.000	.000
54	.125	1405.125	-.690	.000	.690	.172	.086	-57.031	.000
55	.219	1409.219	-1.181	-.294	1.217	.277	.267	-170.937	-42.542
56	.296	1413.296	-1.254	-.241	1.277	.242	.378	-245.155	-47.094
57	.270	1417.270	-1.148	.000	1.148	.195	.310	-204.387	.000
58	.106	1422.106	-2.086	.000	2.086	.564	.221	-145.979	.000
59	.262	1427.262	-.783	-.329	.849	.191	.222	-135.212	-56.838
60	.101	1431.101	-1.670	-.335	1.703	.555	.172	-111.622	-22.407
61	.207	1435.207	-.662	-.360	.754	.198	.156	-90.416	-49.133
62	.102	1438.102	-1.438	-.424	1.500	.514	.153	-96.858	-28.575
63	.260	1441.260	-.324	-.348	.475	.116	.124	-55.693	-59.765
64	.053	1445.053	.000	.000	.000	.000	.000	.000	.000
65	.053	1447.053	.000	.000	.000	.000	.000	.000	.000
66	.053	1450.053	.000	.000	.000	.000	.000	.000	.000
67	.185	1449.185	-.291	-.330	.440	.127	.081	-35.441	-40.231
68	.100	1452.100	-.927	.000	.927	.259	.092	-60.985	.000
69	.127	1455.127	-.304	-.382	.488	.169	.062	-25.544	-32.082
70	.085	1458.085	-.484	.000	.484	.146	.041	-27.237	.000
71	.154	1461.154	-.511	-.268	.577	.175	.089	-51.886	-27.237
72	.102	1463.102	-.368	.000	.368	.102	.037	-24.648	.000
73	.053	1386.053	.000	.000	.000	.000	.000	.000	.000
74	.053	1387.053	.000	.000	.000	.000	.000	.000	.000
75	.053	1389.053	.000	.000	.000	.000	.000	.000	.000
76	.060	1393.060	.000	-.362	.362	.130	.022	.000	-14.408
77	.053	1397.053	.000	.000	.000	.000	.000	.000	.000
78	.053	1402.053	.000	.000	.000	.000	.000	.000	.000
79	.137	1407.137	-.498	-.471	.685	.231	.094	-44.933	-42.542
80	.147	1412.147	-.463	-.486	.671	.218	.099	-44.933	-47.094
81	.053	1418.053	.000	.000	.000	.000	.000	.000	.000
82	.057	1422.057	-.582	.000	.582	.215	.033	-21.890	.000
83	.156	1425.156	-.516	-.764	.922	.286	.144	-53.210	-78.728
84	.112	1428.112	-1.069	-.304	1.112	.362	.124	-78.811	-22.407
85	.176	1433.176	-.718	-.766	1.050	.311	.185	-83.443	-89.070
86	.144	1435.144	-.716	-.573	.917	.300	.132	-67.809	-54.318
87	.118	1438.119	-.407	-1.257	1.322	.426	.157	-31.857	-98.308
88	.053	1441.053	.000	.000	.000	.000	.000	.000	.000
89	.053	1443.053	.000	.000	.000	.000	.000	.000	.000
90	.053	1446.053	.000	.000	.000	.000	.000	.000	.000
91	.122	1446.122	.000	-.501	.501	.127	.061	.000	-40.231
92	.053	1448.053	.000	.000	.000	.000	.000	.000	.000
93	.115	1451.115	.000	-.421	.421	.109	.049	.000	-32.082
94	.053	1456.053	.000	.000	.000	.000	.000	.000	.000
95	.085	1458.085	.000	-.484	.484	.146	.041	.000	-27.237
96	.053	1459.053	.000	.000	.000	.000	.000	.000	.000
97	.053	1382.053	.000	.000	.000	.000	.000	.000	.000
98	.053	1384.053	.000	.000	.000	.000	.000	.000	.000
99	.053	1387.053	.000	.000	.000	.000	.000	.000	.000
100	.053	1391.053	.000	.000	.000	.000	.000	.000	.000
101	.053	1397.053	.000	.000	.000	.000	.000	.000	.000
102	.053	1403.053	.000	.000	.000	.000	.000	.000	.000
103	.053	1407.053	.000	.000	.000	.000	.000	.000	.000
104	.053	1413.053	.000	.000	.000	.000	.000	.000	.000
105	.053	1416.053	.000	.000	.000	.000	.000	.000	.000
106	.053	1419.053	.000	.000	.000	.000	.000	.000	.000
107	.057	1422.057	.000	-.582	.582	.215	.033	.000	-21.890
108	.053	1425.053	.000	.000	.000	.000	.000	.000	.000
109	.101	1429.101	.000	-.599	.599	.166	.061	.000	-39.936
110	.090	1432.090	-.376	-.434	.574	.238	.052	-22.314	-25.743
111	.150	1434.150	-.225	-.693	.729	.209	.109	-22.314	-68.636
112	.053	1436.053	.000	.000	.000	.000	.000	.000	.000
113	.053	1438.053	.000	.000	.000	.000	.000	.000	.000
114	.053	1440.053	.000	.000	.000	.000	.000	.000	.000
115	.053	1443.053	.000	.000	.000	.000	.000	.000	.000
116	.053	1445.053	.000	.000	.000	.000	.000	.000	.000

119	.053	1454.053	.000	.000	.000	.000	.000	.000	.000
120	.053	1457.053	.000	.000	.000	.000	.000	.000	.000
121	.053	1380.053	.000	.000	.000	.000	.000	.000	.000
122	.053	1382.053	.000	.000	.000	.000	.000	.000	.000
123	.053	1386.053	.000	.000	.000	.000	.000	.000	.000
124	.053	1391.053	.000	.000	.000	.000	.000	.000	.000
125	.053	1396.053	.000	.000	.000	.000	.000	.000	.000
126	.053	1401.053	.000	.000	.000	.000	.000	.000	.000
127	.053	1407.053	.000	.000	.000	.000	.000	.000	.000
128	.053	1407.053	.000	.000	.000	.000	.000	.000	.000
129	.053	1412.053	.000	.000	.000	.000	.000	.000	.000
130	.053	1415.053	.000	.000	.000	.000	.000	.000	.000
131	.053	1418.053	.000	.000	.000	.000	.000	.000	.000
132	.053	1422.053	.000	.000	.000	.000	.000	.000	.000
133	.053	1426.053	.000	.000	.000	.000	.000	.000	.000
134	.053	1430.053	.000	.000	.000	.000	.000	.000	.000
135	.083	1430.083	.000	-.550	.550	.169	.046	.000	-30.094
136	.053	1433.053	.000	.000	.000	.000	.000	.000	.000
137	.053	1435.053	.000	.000	.000	.000	.000	.000	.000
138	.053	1436.053	.000	.000	.000	.000	.000	.000	.000
139	.053	1439.053	.000	.000	.000	.000	.000	.000	.000
140	.053	1444.053	.000	.000	.000	.000	.000	.000	.000
141	.053	1446.053	.000	.000	.000	.000	.000	.000	.000
142	.066	1447.066	-.605	.000	.605	.208	.040	-26.351	.000
143	.149	1451.149	-.707	-.230	.743	.214	.111	-69.621	-22.658
144	.204	1453.204	-.322	-.185	.371	.099	.076	-43.270	-24.894
145	.053	1378.053	.000	.000	.000	.000	.000	.000	.000
146	.053	1381.053	.000	.000	.000	.000	.000	.000	.000
147	.053	1384.053	.000	.000	.000	.000	.000	.000	.000
148	.053	1389.053	.000	.000	.000	.000	.000	.000	.000
149	.053	1394.053	.000	.000	.000	.000	.000	.000	.000
150	.053	1400.053	.000	.000	.000	.000	.000	.000	.000
151	.053	1402.053	.000	.000	.000	.000	.000	.000	.000
152	.053	1406.053	.000	.000	.000	.000	.000	.000	.000
153	.053	1410.053	.000	.000	.000	.000	.000	.000	.000
154	.053	1413.053	.000	.000	.000	.000	.000	.000	.000
155	.053	1417.053	.000	.000	.000	.000	.000	.000	.000
156	.053	1421.053	.000	.000	.000	.000	.000	.000	.000
157	.053	1424.053	.000	.000	.000	.000	.000	.000	.000
158	.053	1424.053	.000	.000	.000	.000	.000	.000	.000
159	.053	1426.053	.000	.000	.000	.000	.000	.000	.000
160	.053	1428.053	.000	.000	.000	.000	.000	.000	.000
161	.053	1430.053	.000	.000	.000	.000	.000	.000	.000
162	.053	1433.053	.000	.000	.000	.000	.000	.000	.000
163	.053	1437.053	.000	.000	.000	.000	.000	.000	.000
164	.053	1441.053	.000	.000	.000	.000	.000	.000	.000
165	.053	1443.053	.000	.000	.000	.000	.000	.000	.000
166	.053	1445.053	.000	.000	.000	.000	.000	.000	.000
167	.064	1448.064	.000	-.534	.534	.186	.034	.000	-22.658
168	.102	1452.102	.000	-.865	.865	.239	.088	.000	-58.041
169	.014	1378.014	.000	.000	.000	.000	.000	.000	.000
170	.014	1381.014	.000	.000	.000	.000	.000	.000	.000
171	.014	1384.014	.000	.000	.000	.000	.000	.000	.000
172	.014	1388.014	.000	.000	.000	.000	.000	.000	.000
173	.014	1392.014	.000	.000	.000	.000	.000	.000	.000
174	.014	1397.014	.000	.000	.000	.000	.000	.000	.000
175	.014	1401.014	.000	.000	.000	.000	.000	.000	.000
176	.014	1405.014	.000	.000	.000	.000	.000	.000	.000
177	.014	1408.014	.000	.000	.000	.000	.000	.000	.000
178	.053	1411.053	.000	.000	.000	.000	.000	.000	.000
179	.053	1415.053	.000	.000	.000	.000	.000	.000	.000
180	.053	1417.053	.000	.000	.000	.000	.000	.000	.000
181	.053	1418.053	.000	.000	.000	.000	.000	.000	.000
182	.053	1421.053	.000	.000	.000	.000	.000	.000	.000

184	.053	1425.053	.000	.000	.000	.000	.000	.000	.000
185	.053	1427.053	.000	.000	.000	.000	.000	.000	.000
186	.053	1433.053	.000	.000	.000	.000	.000	.000	.000
187	.053	1435.053	.000	.000	.000	.000	.000	.000	.000
188	.053	1437.053	.000	.000	.000	.000	.000	.000	.000
189	.053	1440.053	.000	.000	.000	.000	.000	.000	.000
190	.053	1442.053	.000	.000	.000	.000	.000	.000	.000
191	.137	1445.137	-.391	.000	.391	.093	.054	-35.422	.000
192	.146	1448.146	-.368	-.693	.785	.245	.115	-35.422	-66.823
193	.014	1407.014	.000	.000	.000	.000	.000	.000	.000
194	.014	1411.014	.000	.000	.000	.000	.000	.000	.000
195	.053	1412.053	.000	.000	.000	.000	.000	.000	.000
196	.053	1415.053	.000	.000	.000	.000	.000	.000	.000
197	.053	1418.053	.000	.000	.000	.000	.000	.000	.000
198	.053	1420.053	.000	.000	.000	.000	.000	.000	.000
199	.053	1423.053	.000	.000	.000	.000	.000	.000	.000
200	.053	1427.053	.000	.000	.000	.000	.000	.000	.000
201	.053	1430.053	.000	.000	.000	.000	.000	.000	.000
202	.053	1433.053	.000	.000	.000	.000	.000	.000	.000
203	.053	1435.053	.000	.000	.000	.000	.000	.000	.000
204	.053	1437.053	.000	.000	.000	.000	.000	.000	.000
205	.053	1439.053	.000	.000	.000	.000	.000	.000	.000
206	.053	1443.053	.000	.000	.000	.000	.000	.000	.000
207	.103	1444.103	.000	-1.062	1.062	.292	.109	.000	-71.970
208	.014	1410.014	.000	.000	.000	.000	.000	.000	.000
209	.014	1413.014	.000	.000	.000	.000	.000	.000	.000
210	.014	1415.014	.000	.000	.000	.000	.000	.000	.000
211	.014	1419.014	.000	.000	.000	.000	.000	.000	.000
212	.053	1422.053	.000	.000	.000	.000	.000	.000	.000
213	.053	1425.053	.000	.000	.000	.000	.000	.000	.000
214	.053	1427.053	.000	.000	.000	.000	.000	.000	.000
215	.053	1430.053	.000	.000	.000	.000	.000	.000	.000
216	.053	1432.053	.000	.000	.000	.000	.000	.000	.000
217	.053	1435.053	.000	.000	.000	.000	.000	.000	.000
218	.053	1439.053	.000	.000	.000	.000	.000	.000	.000
219	.082	1440.082	-.382	.000	.382	.117	.031	-20.724	.000
220	.194	1441.194	-.161	-.536	.560	.139	.109	-20.724	-68.817
221	.014	1420.014	.000	.000	.000	.000	.000	.000	.000
222	.053	1423.053	.000	.000	.000	.000	.000	.000	.000
223	.053	1425.053	.000	.000	.000	.000	.000	.000	.000
224	.053	1428.053	.000	.000	.000	.000	.000	.000	.000
225	.053	1431.053	.000	.000	.000	.000	.000	.000	.000
226	.053	1434.053	.000	.000	.000	.000	.000	.000	.000
227	.053	1436.053	.000	.000	.000	.000	.000	.000	.000
228	.053	1437.053	.000	.000	.000	.000	.000	.000	.000
229	.095	1439.094	.000	-.489	.489	.140	.046	.000	-30.523
230	.053	1422.053	.000	.000	.000	.000	.000	.000	.000
231	.053	1425.053	.000	.000	.000	.000	.000	.000	.000
232	.053	1428.053	.000	.000	.000	.000	.000	.000	.000
233	.053	1430.053	.000	.000	.000	.000	.000	.000	.000
234	.053	1432.053	.000	.000	.000	.000	.000	.000	.000
235	.053	1433.053	.000	.000	.000	.000	.000	.000	.000
236	.053	1434.053	.000	.000	.000	.000	.000	.000	.000
237	.053	1435.053	.000	.000	.000	.000	.000	.000	.000
238	.053	1422.053	.000	.000	.000	.000	.000	.000	.000
239	.053	1425.053	.000	.000	.000	.000	.000	.000	.000
240	.053	1427.053	.000	.000	.000	.000	.000	.000	.000
241	.053	1429.053	.000	.000	.000	.000	.000	.000	.000
242	.053	1430.053	.000	.000	.000	.000	.000	.000	.000
243	.053	1431.053	.000	.000	.000	.000	.000	.000	.000
244	.053	1431.053	.000	.000	.000	.000	.000	.000	.000
245	.053	1433.053	.000	.000	.000	.000	.000	.000	.000
246	.053	1424.053	.000	.000	.000	.000	.000	.000	.000
247	.053	1425.053	.000	.000	.000	.000	.000	.000	.000
248	.053	1426.053	.000	.000	.000	.000	.000	.000	.000

251	.053	1428.053	.000	.000	.000	.000	.000	.000	.000
252	.053	1428.053	.000	.000	.000	.000	.000	.000	.000
253	.109	1430.109	.000	.000	.000	.000	.000	.000	.000

MODEL TIME(HOURS) = 13.0002 INFLOW(CFS/LF) = .0910

1 N = .0350PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.096	1440.096	.000	.000	.000	.000	.000	.000	.000
2	.272	1438.272	.000	-.271	.271	.046	.073	.000	-48.506
3	.088	1444.088	.000	.000	.000	.000	.000	.000	.000
4	.114	1446.114	.000	.176	.176	.046	.020	.000	13.266
5	.102	1436.102	.000	.000	.000	.000	.000	.000	.000
6	.107	1436.107	-.714	-.689	.992	.379	.106	-50.260	-48.506
7	.353	1437.353	-.830	-.218	.858	.155	.303	-193.280	-50.874
8	.095	1447.095	-2.273	-.178	2.280	.699	.217	-143.020	-11.181
9	.094	1433.094	.000	.000	.000	.000	.000	.000	.000
10	.461	1432.461	-.417	-.568	.705	.128	.325	-127.018	-172.913
11	.096	1436.096	-2.505	-1.255	2.802	1.069	.269	-158.976	-79.655
12	.098	1443.099	-.492	-.889	1.016	.388	.100	-31.957	-57.774
13	.201	1425.201	-.667	-.562	.872	.242	.175	-88.382	-74.422
14	.238	1429.238	-.563	-1.999	2.076	.463	.494	-88.382	-313.795
15	.101	1430.101	.000	-.432	.432	.120	.044	.000	-28.781
16	.103	1435.103	.000	-.491	.491	.135	.050	.000	-33.327
17	.198	1421.198	-.553	-1.932	2.010	.492	.398	-72.254	-252.517
18	.278	1423.278	-.394	-1.146	1.212	.258	.337	-72.254	-210.056
19	.096	1426.096	.000	.000	.000	.000	.000	.000	.000
20	.099	1431.099	.000	.000	.000	.000	.000	.000	.000
21	.480	1417.480	.000	-1.475	1.475	.188	.709	.000	-467.815
22	.107	1419.107	-.115	-.983	.989	.296	.106	-8.102	-69.174
23	.205	1419.205	-.060	-.418	.422	.093	.087	-8.102	-56.561
24	.100	1423.100	.000	.000	.000	.000	.000	.000	.000
25	.406	1413.406	.000	-2.270	2.270	.314	.922	.000	-608.195
26	.096	1416.096	.000	.000	.000	.000	.000	.000	.000
27	.101	1414.101	.000	-2.370	2.370	.656	.240	.000	-158.453
28	.099	1418.099	.000	.000	.000	.000	.000	.000	.000
29	.556	1409.556	.000	-1.826	1.826	.216	1.016	.000	-670.408
30	.090	1414.090	.000	.000	.000	.000	.000	.000	.000
31	.390	1410.390	-.464	-1.179	1.267	.232	.495	-119.615	-303.747
32	.116	1415.116	-1.556	-.300	1.585	.479	.185	-119.615	-23.053
33	.461	1405.461	-.195	-1.985	1.994	.283	.920	-59.438	-604.126
34	.140	1406.141	-1.404	-.415	1.465	.428	.206	-130.222	-38.516
35	.402	1407.402	-.267	-1.416	1.441	.234	.580	-70.783	-375.964
36	.101	1412.101	.000	-.347	.347	.096	.035	.000	-23.053
37	.325	1400.325	-.284	-2.596	2.612	.445	.848	-60.900	-556.205
38	.128	1402.128	-1.489	-.815	1.697	.568	.217	-125.429	-68.674
39	.311	1404.311	-.315	-1.562	1.593	.297	.495	-64.528	-320.110
40	.098	1409.098	.000	.000	.000	.000	.000	.000	.000
41	.622	1396.622	-.303	-1.966	1.990	.254	1.238	-124.625	-807.587
42	.100	1398.100	-2.675	-.833	2.801	.975	.281	-177.313	-55.251
43	.284	1400.284	-.281	-1.313	1.343	.264	.381	-52.688	-245.950
44	.097	1405.097	.000	.000	.000	.000	.000	.000	.000
45	.625	1392.625	-.300	-2.885	2.901	.355	1.814	-123.997	-1190.753
46	.097	1394.097	-2.716	-.766	2.822	.987	.273	-173.222	-48.848
47	.232	1397.232	-.321	-1.068	1.115	.254	.259	-49.225	-163.836
48	.101	1400.101	.000	.000	.000	.000	.000	.000	.000
49	1.118	1390.118	.036	-1.729	1.729	.141	1.933	26.348	-1275.309
50	.105	1390.105	.132	-.343	.368	.058	.039	9.136	-23.755
51	.102	1392.102	-.255	-2.202	2.217	.677	.227	-17.212	-148.796
52	.096	1394.096	.000	.000	.000	.000	.000	.000	.000

55	.336	1409.336	-1.208	-.525	1.317	.263	.443	-268.016	-116.428
56	.332	1413.332	-1.719	-.216	1.733	.296	.575	-376.697	-47.399
57	.391	1417.391	-1.215	.170	1.227	.147	.480	-313.662	43.773
58	.101	1422.101	-2.739	.064	2.739	.743	.276	-181.797	4.276
59	.246	1427.246	-.898	-.450	1.004	.240	.247	-145.575	-72.911
60	.165	1431.165	-1.766	-.300	1.791	.448	.296	-192.467	-32.742
61	.346	1435.346	-1.264	-.567	1.385	.274	.480	-288.978	-129.514
62	.378	1438.378	-2.483	-1.005	2.679	.500	1.012	-618.872	-250.535
63	.845	1441.845	-.798	-.918	1.216	.164	1.027	-444.854	-511.783
64	.095	1445.094	.000	.000	.000	.000	.000	.000	.000
65	.100	1447.100	.000	.000	.000	.000	.000	.000	.000
66	.100	1450.100	.000	.000	.000	.000	.000	.000	.000
67	.101	1449.101	.000	.000	.000	.000	.000	.000	.000
68	.102	1452.102	-.304	.000	.304	.084	.031	-20.376	.000
69	.098	1455.098	-.764	-1.016	1.271	.500	.125	-49.509	-65.848
70	.147	1458.147	-.841	-.245	.876	.250	.129	-81.478	-23.678
71	.205	1461.205	-1.050	-.610	1.215	.323	.249	-141.857	-82.420
72	.335	1463.335	-.405	-.903	.990	.199	.332	-89.512	-199.722
73	.287	1386.287	-.183	-6.463	6.466	1.093	1.857	-34.659	-1225.124
74	.118	1387.118	-1.474	-.409	1.529	.482	.181	-115.179	-31.975
75	.380	1389.380	-1.209	-1.241	1.733	.350	.659	-303.373	-311.563
76	.390	1393.390	-1.975	-.304	1.998	.322	.779	-508.085	-78.282
77	.492	1397.492	-1.723	-.148	1.729	.235	.851	-559.464	-48.083
78	.327	1402.327	-2.093	-.330	2.118	.373	.693	-451.650	-71.280
79	.302	1407.302	-1.303	-.669	1.465	.316	.443	-259.817	-133.382
80	.100	1412.100	-1.681	-.715	1.826	.666	.184	-111.454	-47.399
81	.096	1418.096	-1.026	.419	1.109	.172	.107	-65.310	26.675
82	.158	1422.158	-.965	-.245	.996	.269	.157	-100.468	-25.476
83	.234	1425.234	-.415	-.817	.916	.224	.215	-64.212	-126.291
84	.111	1428.111	-1.351	-.446	1.422	.475	.158	-99.088	-32.742
85	.338	1433.338	-1.368	-1.639	2.135	.456	.721	-304.974	-365.549
86	.543	1435.543	-1.451	-1.667	2.210	.373	1.201	-520.451	-597.582
87	.498	1438.498	-.956	-2.111	2.318	.383	1.155	-314.565	-694.396
88	.096	1441.096	.000	.000	.000	.000	.000	.000	.000
89	.102	1443.102	-.303	.000	.303	.084	.031	-20.412	.000
90	.098	1446.098	-.513	-.451	.684	.272	.067	-33.139	-29.128
91	.258	1446.258	-.381	-.536	.658	.159	.170	-64.932	-91.278
92	.142	1448.142	-1.316	-.349	1.362	.389	.193	-123.400	-32.774
93	.271	1451.271	-.398	-.669	.778	.181	.211	-71.195	-119.722
94	.105	1456.105	-.664	-.341	.746	.273	.079	-46.167	-23.678
95	.260	1458.260	-.790	-1.336	1.552	.367	.404	-135.600	-229.415
96	.393	1459.393	-.345	-1.073	1.127	.199	.443	-89.432	-278.450
97	1.287	1383.287	-.342	-1.912	1.943	.175	2.500	-290.816	-1624.192
98	.140	1384.140	-5.349	-.591	5.382	1.399	.754	-494.408	-54.670
99	.607	1387.607	-.508	-.920	1.051	.162	.638	-203.592	-368.387
100	.105	1391.105	-.529	-1.125	1.243	.449	.131	-36.839	-78.282
101	.136	1397.136	-.411	-.710	.820	.268	.111	-36.839	-63.665
102	.102	1403.102	-.361	.000	.361	.100	.037	-24.199	.000
103	.104	1407.104	-.353	-.247	.431	.164	.045	-24.199	-16.954
104	.100	1413.100	-.311	.000	.311	.086	.031	-20.600	.000
105	.101	1416.101	-.309	-.646	.716	.265	.072	-20.600	-43.041
106	.096	1419.096	-.339	-.468	.578	.229	.056	-21.563	-29.751
107	.113	1422.113	-2.166	-3.329	3.972	1.439	.450	-161.903	-248.917
108	.493	1425.493	-1.428	-.824	1.649	.283	.813	-464.785	-268.049
109	.470	1429.470	-2.059	-1.451	2.519	.451	1.185	-639.123	-450.436
110	.559	1432.559	-1.202	-1.311	1.779	.296	.994	-443.372	-483.531
111	.171	1434.171	-1.381	-2.438	2.802	.813	.480	-156.058	-275.526
112	.099	1436.099	-.682	-.315	.751	.280	.074	-44.398	-20.523
113	.101	1438.101	-.513	-.312	.600	.229	.060	-34.070	-20.716
114	.102	1440.102	-.965	-1.250	1.579	.612	.161	-64.777	-83.924
115	.227	1443.227	-.595	-1.344	1.470	.359	.333	-89.088	-201.178
116	.124	1445.124	-.904	-.578	1.073	.371	.133	-73.899	-47.273
117	.119	1449.119	-.416	-1.306	1.370	.441	.162	-32.553	-102.174
118	.102	1452.102	-.969	.000	.969	.267	.099	-65.456	.000

121	.911	1380.911	.000	-3.249	3.249	.300	2.960	.000	-1953.874
122	.099	1382.099	-.627	-.348	.717	.274	.071	-40.849	-22.696
123	.184	1386.184	-.337	-2.042	2.069	.489	.380	-40.849	-247.465
124	.099	1391.099	.000	.000	.000	.000	.000	.000	.000
125	.100	1396.100	.000	-.236	.236	.066	.024	.000	-15.581
126	.098	1401.098	.000	.000	.000	.000	.000	.000	.000
127	.103	1407.103	-.500	.000	.500	.138	.051	-33.930	.000
128	.427	1407.427	-.588	-.397	.710	.133	.303	-165.952	-111.918
129	.108	1412.108	-4.140	-1.447	4.385	1.498	.474	-295.053	-103.117
130	.557	1415.557	-1.532	-.712	1.689	.265	.942	-563.708	-261.956
131	.631	1418.631	-1.852	-.802	2.018	.294	1.273	-771.040	-333.939
132	.437	1422.437	-2.055	-1.215	2.388	.436	1.044	-592.990	-350.538
133	.344	1426.344	-1.372	-1.241	1.850	.392	.636	-311.431	-281.690
134	.105	1430.105	-1.500	-3.646	3.943	1.396	.416	-104.461	-253.882
135	.294	1430.294	-.388	-.855	.939	.202	.276	-75.271	-166.044
136	.099	1433.099	-1.172	-.315	1.213	.417	.120	-76.248	-20.523
137	.096	1435.096	-.727	-1.629	1.784	.669	.172	-46.182	-103.553
138	.233	1436.233	-.834	-1.358	1.594	.400	.371	-128.028	-208.601
139	.281	1439.281	-.936	-.860	1.272	.298	.358	-173.973	-159.830
140	.099	1444.099	-1.739	-.690	1.870	.681	.185	-113.222	-44.904
141	.219	1446.219	-.904	-1.111	1.432	.380	.313	-130.324	-160.175
142	.429	1447.429	-.814	-.338	.882	.155	.378	-230.404	-95.556
143	.157	1451.157	-1.902	-1.236	2.268	.697	.357	-197.593	-128.394
144	.262	1453.262	-.346	-.199	.399	.094	.105	-59.783	-34.412
145	1.920	1379.920	.000	-1.485	1.485	.094	2.851	.000	-1881.776
146	.106	1381.106	-1.636	.000	1.636	.442	.174	-114.937	.000
147	.447	1384.447	-.390	-.475	.615	.114	.275	-114.937	-140.124
148	.105	1389.104	-1.132	.000	1.132	.308	.118	-78.068	.000
149	.282	1394.282	-1.049	-.243	1.077	.214	.304	-195.631	-45.322
150	.184	1400.184	-2.071	-.301	2.093	.488	.384	-251.077	-36.531
151	.486	1402.486	-1.150	-.285	1.185	.181	.576	-368.809	-91.495
152	.326	1406.326	-2.075	-.733	2.201	.433	.718	-446.522	-157.752
153	.420	1410.420	-1.661	-.697	1.801	.321	.756	-460.084	-192.951
154	.474	1413.474	-1.281	-1.397	1.895	.343	.898	-400.489	-436.769
155	.155	1417.155	-1.985	-1.596	2.547	.801	.395	-203.069	-163.312
156	.169	1421.169	-.763	-1.096	1.335	.399	.225	-84.895	-121.933
157	.102	1424.102	-.856	-2.401	2.549	.897	.261	-57.842	-162.211
158	.365	1424.365	-.361	-.953	1.019	.192	.372	-87.089	-229.814
159	.099	1426.099	-.961	-1.801	2.041	.774	.202	-62.705	-117.518
160	.104	1428.104	-.816	.000	.816	.223	.085	-55.886	.000
161	.306	1430.306	-1.227	-1.368	1.837	.413	.562	-247.621	-276.046
162	.448	1433.448	-.649	-.649	.918	.171	.411	-191.735	-191.782
163	.106	1437.106	-.495	-.710	.866	.326	.092	-34.805	-49.930
164	.155	1441.156	-1.113	-.777	1.357	.422	.211	-114.198	-79.734
165	.346	1443.346	-.621	-.850	1.053	.220	.364	-141.698	-194.083
166	.115	1445.115	-1.120	-1.913	2.217	.788	.255	-85.064	-145.270
167	.096	1448.096	-.360	-1.490	1.532	.526	.147	-22.759	-94.280
168	.101	1452.101	.000	-.518	.518	.144	.052	.000	-34.412
169	.599	1378.599	.000	-2.316	2.316	.264	1.387	.000	-915.101
170	.016	1381.016	.000	.000	.000	.000	.000	.000	.000
171	.054	1384.054	.000	-.969	.969	.368	.052	.000	-34.392
172	.016	1388.016	.000	.000	.000	.000	.000	.000	.000
173	.073	1392.073	.000	-.942	.942	.307	.069	.000	-45.322
174	.098	1397.098	-.493	-.565	.750	.298	.073	-31.898	-36.531
175	.143	1401.143	-.691	-.970	1.191	.387	.170	-65.204	-91.495
176	.105	1405.104	-1.094	-.665	1.280	.479	.134	-75.465	-45.833
177	.203	1408.203	-1.104	-.863	1.401	.384	.285	-148.217	-115.776
178	.326	1411.326	-.493	-1.344	1.432	.283	.467	-106.058	-289.452
179	.103	1415.103	-.254	-.366	.445	.170	.046	-17.330	-24.910
180	.099	1417.099	-.930	-2.903	3.048	1.074	.301	-60.656	-189.448
181	.312	1418.312	-.650	-.971	1.168	.256	.364	-133.744	-199.843
182	.185	1421.185	-1.193	-1.788	2.149	.611	.398	-145.631	-218.278
183	.221	1423.221	-1.254	-1.225	1.753	.465	.387	-182.842	-178.573
184	.434	1425.434	-1.192	-.445	1.272	.219	.552	-341.463	-127.448

187	.118	1435.118	-.616	-.247	.664	.222	.078	-47.770	-19.176
188	.161	1437.161	-.578	-.777	.968	.297	.156	-61.492	-82.645
189	.106	1440.106	-1.059	-2.849	3.039	1.059	.321	-73.884	-198.664
190	.232	1442.232	-.959	-1.065	1.433	.370	.333	-146.907	-163.184
191	.304	1445.304	-1.120	-.596	1.269	.274	.385	-224.431	-119.540
192	.274	1448.274	-.657	-.390	.765	.176	.209	-118.826	-70.531
193	.184	1407.184	-.353	-.946	1.009	.267	.185	-42.777	-114.639
194	.106	1411.106	-1.782	.000	1.782	.483	.189	-124.477	.000
195	.486	1412.486	-.744	-.848	1.128	.201	.548	-238.278	-271.814
196	.226	1415.226	-1.881	-.913	2.091	.518	.472	-280.283	-135.991
197	.365	1418.365	-1.175	-.822	1.434	.291	.524	-283.157	-198.119
198	.414	1420.414	-1.073	-.737	1.302	.248	.539	-293.408	-201.480
199	.218	1423.218	-.930	-1.127	1.461	.388	.319	-133.955	-162.412
200	.105	1427.105	-.295	-.622	.688	.249	.072	-20.478	-43.214
201	.098	1430.098	-.317	-.319	.450	.179	.044	-20.478	-20.632
202	.103	1433.103	-.341	-.281	.442	.171	.046	-23.258	-19.176
203	.145	1435.145	-1.514	-1.610	2.210	.723	.320	-144.769	-153.995
204	.488	1437.488	-.898	-.784	1.192	.212	.582	-289.559	-252.673
205	.336	1439.336	-1.139	-.605	1.290	.265	.434	-252.722	-134.247
206	.101	1443.101	-1.464	-1.332	1.979	.776	.200	-97.427	-88.636
207	.106	1444.106	-.182	-1.833	1.842	.546	.195	-12.752	-128.204
208	.156	1410.156	.000	-1.181	1.181	.263	.185	.000	-121.810
209	.063	1413.063	.000	-.747	.747	.262	.047	.000	-31.070
210	.127	1415.127	-.380	-1.097	1.161	.365	.148	-31.972	-92.258
211	.117	1419.117	-.859	-.870	1.222	.445	.143	-66.457	-67.293
212	.154	1422.154	-.339	-.652	.735	.223	.113	-34.485	-66.292
213	.101	1425.101	-.249	.000	.249	.069	.025	-16.636	.000
214	.100	1427.100	-1.459	-1.847	2.354	.923	.234	-95.896	-121.360
215	.341	1430.341	-1.117	-.462	1.209	.238	.412	-251.239	-103.782
216	.458	1432.458	-1.028	-.708	1.248	.226	.571	-310.708	-213.841
217	.191	1435.191	-1.102	-1.268	1.680	.478	.321	-138.730	-159.708
218	.103	1439.103	-.273	-.305	.410	.159	.042	-18.570	-20.777
219	.160	1440.160	-.604	-.835	1.030	.317	.165	-63.665	-87.995
220	.274	1441.274	-.250	-.611	.660	.145	.181	-45.095	-110.468
221	.137	1420.136	-.778	-.348	.852	.269	.116	-70.133	-31.328
222	.279	1423.279	-1.374	-.641	1.516	.336	.423	-252.687	-117.979
223	.539	1425.539	-1.046	-.432	1.131	.177	.609	-371.746	-153.571
224	.250	1428.250	-1.599	-.701	1.746	.406	.436	-263.526	-115.612
225	.189	1431.189	-.896	-1.052	1.382	.395	.261	-111.486	-130.945
226	.102	1434.102	-.811	-.660	1.045	.406	.106	-54.408	-44.286
227	.098	1436.098	-.666	-.865	1.092	.430	.107	-43.193	-56.118
228	.209	1437.209	-.453	-.974	1.075	.275	.225	-62.673	-134.667
229	.116	1439.116	-.480	-1.039	1.144	.393	.133	-36.737	-79.554
230	.633	1422.633	.000	-.477	.477	.053	.302	.000	-199.438
231	.106	1425.106	-.446	-.753	.875	.324	.093	-31.342	-52.843
232	.160	1428.160	-.762	-.290	.815	.232	.130	-80.334	-30.556
233	.221	1430.221	-.615	-.445	.759	.199	.168	-89.727	-64.945
234	.127	1432.127	-.959	-.489	1.077	.358	.137	-80.511	-41.098
235	.275	1433.275	-.527	-.568	.775	.184	.213	-95.475	-102.984
236	.239	1434.240	-.352	-.815	.888	.210	.213	-55.698	-128.859
237	.102	1435.102	.000	-.398	.398	.110	.041	.000	-26.759
238	.469	1422.469	.000	-.263	.263	.034	.123	.000	-81.459
239	.095	1425.095	.000	.111	.111	.032	.010	.000	6.918
240	.100	1427.100	.000	-.887	.887	.247	.089	.000	-58.686
241	.101	1429.101	.000	-.406	.406	.112	.041	.000	-27.162
242	.100	1430.100	.000	-.309	.309	.086	.031	.000	-20.302
243	.095	1431.095	.000	-.748	.748	.214	.071	.000	-46.866
244	.104	1431.104	-.244	-.734	.773	.268	.080	-16.711	-50.248
245	.102	1433.102	-.249	.000	.249	.069	.025	-16.711	.000
246	.101	1424.101	-.351	.000	.351	.098	.035	-23.355	.000
247	.199	1425.199	-.696	.053	.698	.127	.139	-91.268	6.918
248	.361	1426.361	-.765	-.168	.784	.137	.283	-182.184	-39.961
249	.419	1427.419	-.941	.000	.941	.128	.394	-260.105	.000
250	.476	1428.476	-.958	.000	.958	.122	.456	-301.222	.000

253	.104	1430.104	.000	.000	.000	.000	.000	.000	.000

MODEL TIME(HOURS) = 14.0003 INFLOW(CFS/LF) = .0132

1 N = .0350PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.099	1440.099	.000	.000	.000	.000	.000	.000	.000
2	.100	1438.100	.000	.000	.000	.000	.000	.000	.000
3	.098	1444.098	.000	.000	.000	.000	.000	.000	.000
4	.101	1446.101	.000	.178	.178	.049	.018	.000	11.862
5	.100	1436.100	.000	.000	.000	.000	.000	.000	.000
6	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
7	.103	1437.103	-.551	.000	.551	.152	.057	-37.318	.000
8	.098	1447.098	-.576	.183	.604	.110	.059	-37.318	11.862
9	.097	1433.097	.000	.000	.000	.000	.000	.000	.000
10	.198	1432.198	.000	-.352	.352	.070	.070	.000	-45.933
11	.095	1436.095	.000	.000	.000	.000	.000	.000	.000
12	.098	1443.098	.000	.000	.000	.000	.000	.000	.000
13	.100	1425.100	-.429	-.654	.782	.301	.078	-28.389	-43.304
14	.122	1429.122	-.525	-1.005	1.133	.386	.138	-42.278	-80.873
15	.097	1430.097	-.216	-.379	.436	.168	.042	-13.890	-24.318
16	.098	1435.098	.000	.000	.000	.000	.000	.000	.000
17	.190	1421.190	-.242	-.804	.840	.211	.160	-30.418	-101.082
18	.103	1423.103	-.766	-.864	1.155	.449	.118	-51.816	-58.497
19	.102	1426.102	-.319	-.836	.895	.320	.091	-21.398	-56.027
20	.096	1431.096	.000	.000	.000	.000	.000	.000	.000
21	.150	1417.150	.000	-1.535	1.535	.349	.231	.000	-152.166
22	.100	1419.100	.000	-.357	.357	.099	.036	.000	-23.558
23	.103	1419.103	-.348	-.466	.582	.223	.060	-23.730	-31.708
24	.099	1423.099	-.364	-.411	.549	.217	.054	-23.730	-26.773
25	.313	1413.313	.000	-.909	.909	.143	.285	.000	-187.902
26	.098	1416.098	.000	.000	.000	.000	.000	.000	.000
27	.098	1414.098	.000	.000	.000	.000	.000	.000	.000
28	.102	1418.102	.000	-.398	.398	.110	.041	.000	-26.773
29	.138	1409.138	.000	-2.236	2.236	.531	.308	.000	-203.402
30	.092	1414.092	.000	.000	.000	.000	.000	.000	.000
31	.143	1410.143	-.392	-.451	.597	.197	.085	-36.898	-42.464
32	.102	1415.102	-.548	.000	.548	.151	.056	-36.898	.000
33	.372	1405.372	.000	-1.048	1.048	.151	.390	.000	-257.200
34	.100	1406.100	-.298	.000	.298	.083	.030	-19.665	.000
35	.168	1407.168	-.178	-.700	.722	.189	.121	-19.665	-77.506
36	.096	1412.096	.000	.000	.000	.000	.000	.000	.000
37	.179	1400.179	-.244	-3.045	3.054	.686	.546	-28.805	-358.995
38	.099	1402.099	-.708	.000	.708	.198	.070	-46.418	.000
39	.106	1404.106	-.252	-.912	.946	.315	.100	-17.613	-63.694
40	.097	1409.097	.000	.000	.000	.000	.000	.000	.000
41	.589	1396.589	.000	-1.143	1.143	.131	.673	.000	-444.403
42	.096	1398.096	-.294	.000	.294	.084	.028	-18.530	.000
43	.118	1400.118	-.239	-.675	.716	.235	.084	-18.530	-52.457
44	.097	1405.097	.000	.000	.000	.000	.000	.000	.000
45	.180	1392.180	-.239	-3.964	3.971	.874	.713	-28.363	-470.053
46	.101	1394.101	-.738	.000	.738	.205	.074	-49.027	.000
47	.103	1397.103	-.607	-.352	.702	.264	.072	-41.138	-23.806
48	.099	1400.099	-.314	.000	.314	.088	.031	-20.475	.000
49	.751	1389.751	.000	-1.005	1.005	.102	.755	.000	-498.530
50	.097	1390.097	.000	.000	.000	.000	.000	.000	.000
51	.099	1392.099	.000	.000	.000	.000	.000	.000	.000
52	.098	1394.098	.000	.000	.000	.000	.000	.000	.000
53	.097	1399.097	.000	.000	.000	.000	.000	.000	.000
54	.100	1405.100	-.474	-.590	.757	.297	.075	-31.168	-38.820

56	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	.189	1417.189	-.519	.000	.519	.105	.098	-64.658	.000
58	.101	1422.101	-.454	.000	.454	.126	.046	-30.286	.000
59	.119	1427.119	-.888	-.251	.923	.291	.110	-69.592	-19.641
60	.152	1431.152	-1.023	-.313	1.070	.302	.163	-102.740	-31.390
61	.208	1435.208	-1.218	-.404	1.283	.313	.267	-167.396	-55.513
62	.317	1438.317	-1.950	-1.027	2.203	.466	.698	-407.350	-214.526
63	.659	1441.660	-.697	-.770	1.039	.159	.685	-303.389	-335.314
64	.084	1445.084	.000	.000	.000	.000	.000	.000	.000
65	.099	1447.099	.000	.000	.000	.000	.000	.000	.000
66	.099	1450.099	.000	.000	.000	.000	.000	.000	.000
67	.100	1449.100	.000	.000	.000	.000	.000	.000	.000
68	.097	1452.097	.000	.000	.000	.000	.000	.000	.000
69	.100	1455.100	.000	-.362	.362	.101	.036	.000	-23.904
70	.101	1458.101	-.305	.000	.305	.085	.031	-20.428	.000
71	.100	1461.099	-.593	-.319	.673	.255	.067	-38.969	-20.954
72	.112	1463.112	-.252	-1.042	1.072	.341	.120	-18.541	-76.697
73	.118	1386.118	-.179	-7.241	7.244	1.904	.854	-13.942	-563.420
74	.102	1387.102	-.552	-.318	.637	.240	.065	-37.067	-21.379
75	.137	1389.137	-1.028	-.863	1.342	.450	.184	-93.132	-78.200
76	.241	1393.241	-1.065	-.264	1.097	.238	.265	-169.599	-42.034
77	.232	1397.233	-1.263	-.066	1.264	.243	.294	-193.734	-10.086
78	.198	1402.198	-1.199	-.297	1.236	.296	.245	-156.789	-38.820
79	.138	1407.138	-.690	-.349	.773	.247	.106	-62.646	-31.666
80	.101	1412.101	.000	-.308	.308	.085	.031	.000	-20.434
81	.102	1418.102	-.355	.000	.355	.098	.036	-23.850	.000
82	.100	1422.100	-.678	-.309	.745	.275	.075	-44.788	-20.379
83	.101	1425.101	-.635	-.623	.889	.348	.090	-42.519	-41.719
84	.101	1428.101	-1.141	-2.201	2.479	.925	.251	-76.323	-147.247
85	.202	1433.202	-1.557	-1.678	2.289	.634	.463	-207.770	-224.016
86	.520	1435.520	-1.164	-1.576	1.960	.335	1.019	-399.707	-541.249
87	.383	1438.383	-.975	-1.744	1.998	.387	.766	-246.679	-441.279
88	.099	1441.099	.000	.000	.000	.000	.000	.000	.000
89	.100	1443.100	.000	.000	.000	.000	.000	.000	.000
90	.098	1446.098	-.018	.000	.018	.005	.002	-1.149	.000
91	.105	1446.105	-.017	-.309	.309	.088	.033	-1.149	-21.444
92	.099	1448.099	.000	.000	.000	.000	.000	.000	.000
93	.103	1451.103	.000	-.353	.353	.097	.036	.000	-23.904
94	.100	1456.100	-.255	.000	.255	.071	.025	-16.778	.000
95	.102	1458.102	-.867	-1.219	1.496	.577	.152	-58.102	-81.693
96	.299	1459.299	-.210	-.669	.701	.142	.209	-41.324	-131.815
97	.872	1382.872	-.315	-1.221	1.261	.145	1.099	-181.134	-702.624
98	.097	1384.097	-4.330	-.597	4.371	1.397	.422	-276.106	-38.050
99	.381	1387.381	-.378	-.546	.664	.132	.253	-94.972	-137.294
100	.103	1391.103	.000	-.618	.618	.169	.064	.000	-42.034
101	.101	1397.101	.000	-.151	.151	.042	.015	.000	-10.086
102	.096	1403.096	.000	.000	.000	.000	.000	.000	.000
103	.104	1407.104	.000	-.046	.046	.012	.005	.000	-3.149
104	.098	1413.098	.000	.000	.000	.000	.000	.000	.000
105	.099	1416.099	.000	.000	.000	.000	.000	.000	.000
106	.102	1419.102	-.321	-.303	.442	.173	.045	-21.556	-20.379
107	.104	1422.104	-2.247	-3.087	3.818	1.457	.397	-154.252	-211.870
108	.488	1425.488	-1.384	-1.191	1.826	.325	.892	-446.041	-383.970
109	.461	1429.461	-2.021	-1.120	2.310	.408	1.065	-614.552	-340.628
110	.529	1432.530	-.862	-1.301	1.560	.262	.826	-301.206	-454.528
111	.108	1434.108	.000	-1.489	1.489	.399	.161	.000	-105.964
112	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
113	.098	1438.098	.000	.000	.000	.000	.000	.000	.000
114	.100	1440.100	.000	.000	.000	.000	.000	.000	.000
115	.103	1443.103	-.296	-.316	.433	.168	.045	-20.096	-21.444
116	.121	1445.121	-.251	-.181	.309	.109	.038	-20.096	-14.455
117	.099	1449.099	.000	.000	.000	.000	.000	.000	.000
118	.101	1452.101	-.665	.000	.665	.184	.067	-44.314	.000
119	.252	1454.252	-.267	-.697	.746	.169	.188	-44.314	-115.785
120	.103	1457.103	.000	-.807	.807	.221	.084	.000	-55.118

123	.100	1386.100	.000	-2.106	2.106	.587	.211	.000	-139.002
124	.099	1391.099	.000	.000	.000	.000	.000	.000	.000
125	.095	1396.095	.000	.000	.000	.000	.000	.000	.000
126	.100	1401.100	.000	.000	.000	.000	.000	.000	.000
127	.096	1407.096	-.149	.000	.149	.043	.014	-9.466	.000
128	.226	1407.226	-.462	-.414	.621	.162	.140	-69.033	-61.895
129	.102	1412.102	-3.048	-1.371	3.342	1.221	.340	-204.400	-91.911
130	.520	1415.520	-1.524	-.767	1.707	.280	.887	-522.939	-263.271
131	.624	1418.624	-1.835	-.850	2.022	.299	1.261	-755.218	-349.899
132	.449	1422.449	-1.886	-1.210	2.241	.407	1.006	-558.742	-358.512
133	.244	1426.244	-1.488	-1.332	1.998	.504	.487	-239.301	-214.205
134	.099	1430.099	-.952	-3.843	3.960	1.340	.394	-62.472	-252.183
135	.162	1430.162	-.045	-.355	.358	.088	.058	-4.801	-38.025
136	.097	1433.097	.000	.000	.000	.000	.000	.000	.000
137	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
138	.102	1436.102	-.465	.000	.465	.128	.048	-31.368	.000
139	.157	1439.157	-.691	-.250	.735	.209	.115	-71.579	-25.886
140	.098	1444.098	-.889	-.661	1.108	.436	.108	-57.444	-42.699
141	.102	1446.102	-1.003	-.765	1.261	.488	.129	-67.511	-51.521
142	.342	1447.342	-.610	-.325	.691	.141	.236	-137.608	-73.306
143	.100	1451.100	-1.626	-1.143	1.988	.770	.200	-107.769	-75.769
144	.120	1453.120	-.257	-.179	.313	.111	.038	-20.439	-14.251
145	1.569	1379.569	.000	-1.088	1.088	.077	1.707	.000	-1126.532
146	.094	1381.094	-1.732	.000	1.732	.497	.164	-108.001	.000
147	.436	1384.436	-.375	-.403	.551	.104	.240	-108.001	-115.927
148	.103	1389.103	-1.120	.000	1.120	.307	.116	-76.289	.000
149	.278	1394.278	-1.126	-.344	1.177	.246	.327	-206.233	-63.000
150	.217	1400.217	-2.110	-.334	2.136	.462	.464	-302.205	-47.841
151	.557	1402.557	-1.218	-.331	1.263	.183	.704	-448.115	-121.898
152	.333	1406.333	-2.419	-.508	2.472	.447	.822	-531.192	-111.609
153	.493	1410.493	-1.739	-.776	1.904	.316	.938	-565.630	-252.318
154	.527	1413.527	-1.521	-1.306	2.005	.343	1.056	-528.948	-453.946
155	.250	1417.250	-1.843	-1.239	2.221	.544	.554	-303.570	-204.043
156	.181	1421.181	-.712	-1.115	1.323	.379	.239	-84.914	-132.893
157	.105	1424.105	-.396	-.608	.725	.273	.076	-27.398	-42.081
158	.390	1424.390	-.368	-.909	.981	.180	.382	-94.729	-233.660
159	.096	1426.096	-1.063	-.928	1.411	.566	.135	-67.331	-58.801
160	.097	1428.097	-.309	.000	.309	.088	.030	-19.716	.000
161	.125	1430.125	-1.160	-.851	1.438	.502	.179	-95.337	-69.974
162	.305	1433.305	-.747	-.086	.752	.133	.229	-150.356	-17.314
163	.096	1437.096	-1.691	-.935	1.932	.745	.186	-107.680	-59.515
164	.144	1441.144	-.904	-.774	1.190	.390	.171	-85.906	-73.596
165	.251	1443.250	-.602	-.632	.873	.217	.219	-99.579	-104.436
166	.126	1445.126	-.559	-1.371	1.481	.478	.187	-46.617	-114.395
167	.101	1448.101	.000	-.311	.311	.086	.031	.000	-20.723
168	.098	1452.098	.000	-.855	.855	.241	.084	.000	-55.418
169	.708	1378.708	.000	-1.366	1.366	.143	.967	.000	-638.543
170	.016	1381.016	.000	.000	.000	.000	.000	.000	.000
171	.100	1384.100	.000	-.546	.546	.152	.055	.000	-36.020
172	.016	1388.016	.000	.000	.000	.000	.000	.000	.000
173	.159	1392.159	-.416	-.600	.730	.225	.116	-43.732	-63.000
174	.113	1397.113	-1.187	-.640	1.348	.478	.153	-88.743	-47.841
175	.181	1401.181	-.751	-1.022	1.268	.367	.229	-89.607	-121.898
176	.115	1405.115	-1.375	-.657	1.524	.529	.175	-103.998	-49.714
177	.260	1408.260	-1.030	-.933	1.390	.339	.362	-177.116	-160.408
178	.306	1411.306	-.583	-1.563	1.668	.342	.510	-117.714	-315.584
179	.103	1415.104	.000	-.643	.643	.176	.067	.000	-43.935
180	.094	1417.094	-.433	-2.888	2.920	.952	.276	-26.996	-180.033
181	.215	1418.215	-.586	-.531	.790	.212	.170	-83.033	-75.257
182	.151	1421.151	-.806	-1.880	2.046	.609	.309	-80.436	-187.681
183	.102	1423.102	-1.240	-1.230	1.746	.681	.178	-83.476	-82.821
184	.311	1425.311	-.813	-.384	.900	.189	.279	-166.707	-78.802
185	.297	1427.297	-.549	-.443	.705	.160	.210	-107.630	-86.820
186	.102	1433.102	-.521	-.258	.581	.215	.059	-34.938	-17.314

189	.105	1440.105	-.420	-.761	.869	.320	.092	-29.249	-52.915
190	.179	1442.179	-.559	-.758	.942	.274	.169	-66.086	-89.527
191	.107	1445.107	-1.060	-.249	1.089	.352	.117	-75.108	-17.644
192	.183	1448.183	-.316	-.711	.778	.211	.143	-38.270	-86.117
193	.232	1407.232	-.415	-.817	.916	.225	.212	-63.445	-124.909
194	.134	1411.134	-1.632	.000	1.632	.393	.219	-144.341	.000
195	.457	1412.457	-.757	-.943	1.209	.222	.552	-228.156	-284.213
196	.219	1415.219	-1.729	-.780	1.897	.472	.416	-250.360	-112.910
197	.304	1418.304	-1.031	-.859	1.342	.302	.408	-206.826	-172.371
198	.296	1420.296	-.974	-.536	1.112	.245	.329	-190.406	-104.756
199	.184	1423.184	-.713	-.828	1.092	.316	.201	-86.680	-100.664
200	.102	1427.102	-.304	-.250	.393	.152	.040	-20.497	-16.846
201	.097	1430.097	-.659	-.840	1.068	.423	.104	-42.371	-54.016
202	.106	1433.106	-.313	-.969	1.018	.347	.108	-21.874	-67.645
203	.107	1435.107	-1.052	-.350	1.109	.378	.119	-74.391	-24.776
204	.368	1437.368	-.634	-.310	.706	.137	.260	-154.240	-75.266
205	.154	1439.154	-.786	-.519	.942	.293	.145	-79.849	-52.708
206	.101	1443.101	-.193	-.265	.328	.127	.033	-12.895	-17.644
207	.112	1444.112	-.174	-1.082	1.096	.331	.123	-12.895	-80.033
208	.268	1410.268	-.311	-.830	.887	.194	.237	-54.855	-146.673
209	.101	1413.101	-1.295	-.563	1.412	.514	.143	-86.634	-37.653
210	.190	1415.190	-.633	-.749	.981	.279	.186	-79.387	-93.970
211	.117	1419.117	-.615	-.552	.827	.300	.097	-47.608	-42.711
212	.098	1422.098	.000	-.338	.338	.095	.033	.000	-21.862
213	.102	1425.102	-.689	.000	.689	.190	.070	-46.417	.000
214	.266	1427.266	-.649	-.600	.883	.213	.235	-113.748	-105.128
215	.149	1430.149	-1.803	-1.331	2.241	.715	.334	-177.347	-130.927
216	.439	1432.439	-.734	-.250	.776	.131	.341	-212.725	-72.490
217	.099	1435.099	-1.568	-1.331	2.057	.811	.204	-102.708	-87.134
218	.098	1439.098	.000	-.066	.066	.019	.006	.000	-4.269
219	.101	1440.101	-.297	-.362	.468	.183	.047	-19.685	-24.041
220	.166	1441.166	-.180	-.571	.599	.162	.099	-19.685	-62.591
221	.515	1420.515	-1.748	.000	1.748	.215	.901	-594.575	.000
222	.935	1423.935	-1.297	.528	1.400	.070	1.310	-800.668	325.825
223	.119	1425.119	-4.287	-.678	4.340	1.270	.515	-335.734	-53.117
224	.461	1428.461	-.426	-.480	.642	.118	.296	-129.641	-145.945
225	.106	1431.106	.000	-1.039	1.039	.282	.110	.000	-72.490
226	.101	1434.101	-.252	-.178	.309	.119	.031	-16.827	-11.868
227	.100	1436.100	-.470	-.452	.652	.257	.065	-31.086	-29.893
228	.121	1437.121	-.425	-.637	.766	.269	.093	-33.950	-50.819
229	.100	1439.100	-.298	-.771	.827	.297	.083	-19.690	-51.007
230	2.030	1424.030	.000	.434	.434	.027	.882	.000	581.810
231	.104	1425.104	-.734	-.029	.735	.208	.077	-50.492	-2.005
232	.241	1428.241	-.563	-.480	.739	.187	.178	-89.460	-76.314
233	.099	1430.099	-.861	.000	.861	.242	.085	-56.057	.000
234	.103	1432.103	-.513	.000	.513	.141	.053	-34.908	.000
235	.151	1433.151	-.364	-.537	.649	.204	.098	-36.304	-53.463
236	.116	1434.116	-.242	-.350	.426	.153	.049	-18.485	-26.778
237	.101	1435.101	.000	-.354	.354	.098	.036	.000	-23.500
238	2.050	1424.050	.000	.326	.326	.020	.669	.000	441.227
239	.086	1425.086	.000	1.456	1.456	.437	.125	.000	82.787
240	.102	1427.102	.000	-.451	.451	.125	.046	.000	-30.376
241	.097	1429.097	.000	.000	.000	.000	.000	.000	.000
242	.095	1430.095	.000	.000	.000	.000	.000	.000	.000
243	.096	1431.096	.000	-.371	.371	.105	.036	.000	-23.570
244	.085	1431.085	.000	.000	.000	.000	.000	.000	.000
245	.100	1433.100	.000	-.310	.310	.086	.031	.000	-20.452
246	.137	1424.137	-1.667	2.041	2.636	.089	.362	-151.288	185.243
247	.674	1425.674	-.834	.186	.854	.070	.576	-370.726	82.787
248	.533	1426.533	-1.113	.000	1.113	.134	.593	-391.089	.000
249	.480	1427.479	-1.043	.000	1.043	.133	.500	-330.079	.000
250	.472	1428.472	-.932	.000	.932	.120	.440	-290.377	.000
251	.760	1428.760	-.444	.000	.444	.045	.337	-222.597	.000
252	.816	1428.816	-.168	.000	.168	.016	.137	-90.648	.000

MODEL TIME(HOURS) = 15.0003 INFLOW(CFS/LF) = .0000

1 N = .0350PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.099	1440.099	.000	.000	.000	.000	.000	.000	.000
2	.100	1438.100	.000	.000	.000	.000	.000	.000	.000
3	.096	1444.096	.000	.000	.000	.000	.000	.000	.000
4	.100	1446.100	.000	.000	.000	.000	.000	.000	.000
5	.101	1436.101	.000	.000	.000	.000	.000	.000	.000
6	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
7	.100	1437.100	.000	.000	.000	.000	.000	.000	.000
8	.100	1447.100	.000	.000	.000	.000	.000	.000	.000
9	.098	1433.098	.000	.000	.000	.000	.000	.000	.000
10	.100	1432.100	.000	.000	.000	.000	.000	.000	.000
11	.100	1436.100	.000	.000	.000	.000	.000	.000	.000
12	.098	1443.098	.000	.000	.000	.000	.000	.000	.000
13	.100	1425.100	.000	.000	.000	.000	.000	.000	.000
14	.100	1429.100	.000	.000	.000	.000	.000	.000	.000
15	.098	1430.098	.000	.000	.000	.000	.000	.000	.000
16	.100	1435.100	.000	.000	.000	.000	.000	.000	.000
17	.099	1421.099	.000	.000	.000	.000	.000	.000	.000
18	.098	1423.098	.000	.000	.000	.000	.000	.000	.000
19	.099	1426.099	.000	.000	.000	.000	.000	.000	.000
20	.097	1431.097	.000	.000	.000	.000	.000	.000	.000
21	.099	1417.099	.000	.000	.000	.000	.000	.000	.000
22	.099	1419.099	.000	.000	.000	.000	.000	.000	.000
23	.100	1419.100	.000	.000	.000	.000	.000	.000	.000
24	.099	1423.099	.000	.000	.000	.000	.000	.000	.000
25	.099	1413.099	.000	.000	.000	.000	.000	.000	.000
26	.099	1416.099	.000	.000	.000	.000	.000	.000	.000
27	.100	1414.100	.000	.000	.000	.000	.000	.000	.000
28	.099	1418.099	.000	.000	.000	.000	.000	.000	.000
29	.098	1409.098	.000	.000	.000	.000	.000	.000	.000
30	.097	1414.097	.000	.000	.000	.000	.000	.000	.000
31	.099	1410.099	.000	.000	.000	.000	.000	.000	.000
32	.099	1415.099	.000	.000	.000	.000	.000	.000	.000
33	.113	1405.113	.000	-.401	.401	.105	.045	.000	-29.926
34	.097	1406.097	.000	.000	.000	.000	.000	.000	.000
35	.098	1407.099	.000	.000	.000	.000	.000	.000	.000
36	.098	1412.098	.000	.000	.000	.000	.000	.000	.000
37	.100	1400.100	-.252	-1.216	1.241	.408	.125	-16.708	-80.595
38	.099	1402.099	-.257	.000	.257	.072	.025	-16.708	.000
39	.100	1404.100	.000	.000	.000	.000	.000	.000	.000
40	.100	1409.100	.000	.000	.000	.000	.000	.000	.000
41	.219	1396.219	.000	-.710	.710	.134	.156	.000	-102.747
42	.097	1398.097	.000	.000	.000	.000	.000	.000	.000
43	.099	1400.099	.000	.000	.000	.000	.000	.000	.000
44	.098	1405.098	.000	.000	.000	.000	.000	.000	.000
45	.099	1392.099	.000	-1.886	1.886	.529	.186	.000	-122.952
46	.099	1394.099	.000	.000	.000	.000	.000	.000	.000
47	.097	1397.097	.000	.000	.000	.000	.000	.000	.000
48	.100	1400.100	.000	.000	.000	.000	.000	.000	.000
49	.333	1389.333	.000	-.669	.669	.102	.222	.000	-146.760
50	.097	1390.097	.000	.000	.000	.000	.000	.000	.000
51	.100	1392.100	.000	.000	.000	.000	.000	.000	.000
52	.100	1394.100	.000	.000	.000	.000	.000	.000	.000
53	.097	1399.097	.000	.000	.000	.000	.000	.000	.000
54	.099	1405.099	.000	.000	.000	.000	.000	.000	.000
55	.098	1409.098	.000	.000	.000	.000	.000	.000	.000
56	.102	1413.102	-.355	.000	.355	.098	.036	-23.847	.000

59	.101	1427.101	.000	.000	.000	.000	.000	.000	.000
60	.099	1431.099	.000	.000	.000	.000	.000	.000	.000
61	.101	1435.101	-.307	.000	.307	.085	.031	-20.501	.000
62	.100	1438.100	-.759	-.444	.879	.336	.088	-49.957	-29.228
63	.142	1441.142	-.313	-.313	.443	.146	.063	-29.456	-29.408
64	.089	1445.089	.000	.000	.000	.000	.000	.000	.000
65	.100	1447.100	.000	.000	.000	.000	.000	.000	.000
66	.098	1450.098	.000	.000	.000	.000	.000	.000	.000
67	.100	1449.100	.000	.000	.000	.000	.000	.000	.000
68	.099	1452.099	.000	.000	.000	.000	.000	.000	.000
69	.099	1455.099	.000	.000	.000	.000	.000	.000	.000
70	.100	1458.099	.000	.000	.000	.000	.000	.000	.000
71	.100	1461.100	.000	.000	.000	.000	.000	.000	.000
72	.099	1463.099	.000	.000	.000	.000	.000	.000	.000
73	.104	1386.104	.000	-1.105	1.105	.302	.115	.000	-75.885
74	.101	1387.101	-.252	.000	.252	.070	.025	-16.822	.000
75	.100	1389.100	-.626	-.389	.737	.282	.074	-41.494	-25.767
76	.103	1393.103	-.764	-.254	.805	.280	.083	-51.846	-17.261
77	.114	1397.114	-.755	-.021	.755	.202	.086	-56.897	-1.611
78	.102	1402.102	-.837	.176	.856	.182	.088	-56.534	11.895
79	.099	1407.099	-.411	.000	.411	.115	.041	-26.810	.000
80	.098	1412.098	.000	.000	.000	.000	.000	.000	.000
81	.099	1418.099	.000	.000	.000	.000	.000	.000	.000
82	.099	1422.099	.000	.000	.000	.000	.000	.000	.000
83	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
84	.096	1428.096	.000	.000	.000	.000	.000	.000	.000
85	.101	1433.101	-.367	-.607	.709	.270	.072	-24.455	-40.401
86	.147	1435.147	-.553	-.854	1.018	.324	.149	-53.631	-82.746
87	.101	1438.101	-.437	-.440	.620	.243	.063	-29.176	-29.408
88	.098	1441.098	.000	.000	.000	.000	.000	.000	.000
89	.099	1443.099	.000	.000	.000	.000	.000	.000	.000
90	.099	1446.099	.000	.000	.000	.000	.000	.000	.000
91	.101	1446.101	-.252	.000	.252	.070	.026	-16.831	.000
92	.099	1448.099	-.258	-.314	.407	.161	.040	-16.831	-20.460
93	.098	1451.098	.000	.000	.000	.000	.000	.000	.000
94	.099	1456.099	.000	.000	.000	.000	.000	.000	.000
95	.100	1458.100	.000	.000	.000	.000	.000	.000	.000
96	.099	1459.099	.000	.000	.000	.000	.000	.000	.000
97	.555	1382.555	.000	-.376	.376	.044	.209	.000	-137.632
98	.102	1384.102	-.474	.000	.474	.131	.048	-31.745	.000
99	.162	1387.162	-.638	-.419	.764	.232	.124	-68.131	-44.748
100	.099	1391.099	-.557	-.264	.617	.230	.061	-36.386	-17.261
101	.099	1397.099	.000	-.025	.025	.007	.002	.000	-1.611
102	.099	1403.099	.000	.182	.182	.051	.018	.000	11.895
103	.100	1407.100	.000	.000	.000	.000	.000	.000	.000
104	.096	1413.096	.000	.000	.000	.000	.000	.000	.000
105	.098	1416.098	.000	.000	.000	.000	.000	.000	.000
106	.095	1419.095	.000	.000	.000	.000	.000	.000	.000
107	.099	1422.099	-.624	-1.166	1.322	.501	.131	-40.841	-76.316
108	.197	1425.197	-.829	-.390	.916	.242	.180	-107.685	-50.642
109	.176	1429.176	-1.107	-.702	1.311	.380	.231	-128.474	-81.497
110	.208	1432.208	-.450	-.650	.790	.213	.164	-61.629	-89.076
111	.098	1434.098	.000	.000	.000	.000	.000	.000	.000
112	.098	1436.098	.000	.000	.000	.000	.000	.000	.000
113	.099	1438.099	.000	.000	.000	.000	.000	.000	.000
114	.098	1440.098	.000	.000	.000	.000	.000	.000	.000
115	.100	1443.100	.000	.000	.000	.000	.000	.000	.000
116	.101	1445.101	.000	-.308	.308	.086	.031	.000	-20.460
117	.098	1449.098	.000	.000	.000	.000	.000	.000	.000
118	.097	1452.097	.000	.000	.000	.000	.000	.000	.000
119	.101	1454.101	.000	.000	.000	.000	.000	.000	.000
120	.098	1457.098	.000	.000	.000	.000	.000	.000	.000
121	.096	1380.096	.000	-5.418	5.418	1.541	.520	.000	-343.432
122	.101	1382.101	-.354	.000	.354	.098	.036	-23.555	.000

125	.099	1396.099	.000	.000	.000	.000	.000	.000	.000
126	.099	1401.099	.000	.000	.000	.000	.000	.000	.000
127	.100	1407.099	-.069	.000	.069	.019	.007	-4.528	.000
128	.162	1407.162	-.427	-.248	.494	.148	.080	-45.671	-26.519
129	.100	1412.100	-1.434	-.575	1.545	.561	.154	-94.304	-37.822
130	.247	1415.247	-1.025	-.518	1.148	.273	.284	-167.163	-84.431
131	.311	1418.311	-.997	-.581	1.154	.249	.359	-204.521	-119.240
132	.144	1422.144	-1.369	-.713	1.543	.484	.222	-129.678	-67.550
133	.126	1426.126	-.472	-.749	.885	.304	.111	-39.159	-62.096
134	.102	1430.102	.000	-.526	.526	.145	.054	.000	-35.558
135	.100	1430.100	.000	.000	.000	.000	.000	.000	.000
136	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
137	.100	1435.100	.000	.000	.000	.000	.000	.000	.000
138	.098	1436.098	.000	.000	.000	.000	.000	.000	.000
139	.100	1439.100	.000	.000	.000	.000	.000	.000	.000
140	.099	1444.099	.000	.000	.000	.000	.000	.000	.000
141	.099	1446.099	.000	.000	.000	.000	.000	.000	.000
142	.099	1447.099	.000	.000	.000	.000	.000	.000	.000
143	.099	1451.099	.000	.000	.000	.000	.000	.000	.000
144	.100	1453.100	.000	.000	.000	.000	.000	.000	.000
145	.973	1378.973	.000	-.648	.648	.058	.631	.000	-416.135
146	.099	1381.099	-.644	.000	.644	.180	.064	-42.007	.000
147	.209	1384.209	-.305	-.304	.430	.117	.090	-42.007	-41.930
148	.099	1389.099	.000	.000	.000	.000	.000	.000	.000
149	.103	1394.103	-.570	.000	.570	.156	.059	-38.739	.000
150	.138	1400.138	-1.093	-.329	1.141	.337	.158	-99.703	-30.046
151	.286	1402.286	-.802	-.271	.846	.176	.242	-151.534	-51.145
152	.165	1406.165	-1.520	-.438	1.582	.425	.260	-165.180	-47.619
153	.232	1410.232	-1.141	-.732	1.356	.343	.314	-174.490	-112.043
154	.284	1413.284	-.897	-.728	1.155	.268	.328	-168.358	-136.604
155	.100	1417.100	-1.404	-.905	1.670	.644	.166	-92.321	-59.539
156	.100	1421.100	-.678	-.615	.915	.360	.091	-44.682	-40.535
157	.099	1424.099	-.413	-1.010	1.091	.398	.108	-26.982	-66.021
158	.181	1424.181	-.051	-.317	.321	.076	.058	-6.143	-37.864
159	.099	1426.099	.000	.000	.000	.000	.000	.000	.000
160	.099	1428.099	.000	.000	.000	.000	.000	.000	.000
161	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
162	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
163	.099	1437.099	.000	.000	.000	.000	.000	.000	.000
164	.099	1441.099	.000	.000	.000	.000	.000	.000	.000
165	.099	1443.099	.000	.000	.000	.000	.000	.000	.000
166	.099	1445.099	.000	.000	.000	.000	.000	.000	.000
167	.100	1448.100	.000	.000	.000	.000	.000	.000	.000
168	.099	1452.099	.000	.000	.000	.000	.000	.000	.000
169	.708	1378.708	.000	-.450	.450	.047	.319	.000	-210.335
170	.016	1381.016	.000	.000	.000	.000	.000	.000	.000
171	.100	1384.100	.000	-.123	.123	.034	.012	.000	-8.101
172	.016	1388.016	.000	.000	.000	.000	.000	.000	.000
173	.159	1392.159	-.416	.000	.416	.092	.066	-43.732	.000
174	.113	1397.113	-1.187	-.402	1.253	.416	.142	-88.743	-30.046
175	.181	1401.181	-.751	-.429	.865	.245	.156	-89.607	-51.145
176	.115	1405.115	-1.375	-.279	1.403	.431	.161	-103.998	-21.100
177	.260	1408.260	-.657	-.432	.786	.188	.205	-112.979	-74.221
178	.098	1411.098	-.825	-1.643	1.839	.694	.181	-53.577	-106.687
179	.100	1415.100	.000	-.251	.251	.070	.025	.000	-16.615
180	.100	1417.100	-.284	-1.003	1.042	.358	.104	-18.753	-66.224
181	.162	1418.162	-.474	-.767	.901	.272	.146	-50.691	-81.964
182	.102	1421.102	-.473	-.870	.990	.370	.101	-31.939	-58.702
183	.099	1423.099	.000	.000	.000	.000	.000	.000	.000
184	.100	1425.100	.000	.000	.000	.000	.000	.000	.000
185	.100	1427.100	.000	.000	.000	.000	.000	.000	.000
186	.096	1433.096	.000	.000	.000	.000	.000	.000	.000
187	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
188	.099	1437.099	.000	.000	.000	.000	.000	.000	.000

191	.098	1445.098	.000	.000	.000	.000	.000	.000	.000
192	.101	1448.101	.000	.000	.000	.000	.000	.000	.000
193	.232	1407.232	-.415	-.356	.547	.141	.127	-63.445	-54.514
194	.134	1411.134	-.986	.000	.986	.237	.132	-87.235	.000
195	.168	1412.168	-.558	-.918	1.075	.317	.181	-62.018	-101.951
196	.123	1415.123	-.470	-.707	.849	.296	.105	-38.227	-57.457
197	.103	1418.103	-.357	-.306	.471	.182	.049	-24.325	-20.838
198	.149	1420.149	-.546	-.197	.581	.170	.087	-53.750	-19.374
199	.098	1423.098	-.454	.000	.454	.128	.045	-29.425	.000
200	.099	1427.099	.000	.000	.000	.000	.000	.000	.000
201	.097	1430.097	.000	.000	.000	.000	.000	.000	.000
202	.101	1433.101	.000	.000	.000	.000	.000	.000	.000
203	.099	1435.099	-.256	.000	.256	.072	.025	-16.662	.000
204	.100	1437.100	-.252	-.257	.360	.142	.036	-16.662	-16.995
205	.099	1439.099	.000	.000	.000	.000	.000	.000	.000
206	.099	1443.099	.000	.000	.000	.000	.000	.000	.000
207	.099	1444.099	.000	.000	.000	.000	.000	.000	.000
208	.268	1410.268	-.311	-.336	.458	.110	.122	-54.855	-59.355
209	.101	1413.101	-1.295	-.307	1.331	.443	.135	-86.634	-20.514
210	.190	1415.190	-.633	.000	.633	.128	.120	-79.387	.000
211	.117	1419.117	-.615	-.250	.664	.223	.078	-47.608	-19.374
212	.094	1422.094	.000	.000	.000	.000	.000	.000	.000
213	.095	1425.095	.000	.000	.000	.000	.000	.000	.000
214	.100	1427.100	.000	-.257	.257	.072	.026	.000	-16.873
215	.102	1430.102	-.499	.000	.499	.138	.051	-33.466	.000
216	.196	1432.196	-.258	-.191	.321	.089	.063	-33.466	-24.822
217	.101	1435.101	.000	-.254	.254	.070	.026	.000	-16.995
218	.098	1439.098	.000	.000	.000	.000	.000	.000	.000
219	.100	1440.100	.000	.000	.000	.000	.000	.000	.000
220	.100	1441.100	.000	.000	.000	.000	.000	.000	.000
221	.516	1420.516	-.861	.000	.861	.106	.444	-293.144	.000
222	.477	1423.477	-1.212	.559	1.335	.083	.636	-381.412	175.877
223	.100	1425.100	-2.182	-.256	2.197	.680	.219	-143.597	-16.873
224	.257	1428.257	-.640	-.075	.644	.124	.165	-108.471	-12.691
225	.100	1431.100	-.803	-.556	.977	.378	.098	-53.142	-36.789
226	.098	1434.098	.000	.000	.000	.000	.000	.000	.000
227	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
228	.099	1437.099	.000	.000	.000	.000	.000	.000	.000
229	.099	1439.099	.000	.000	.000	.000	.000	.000	.000
230	1.581	1423.581	.000	.417	.417	.029	.660	.000	435.545
231	.084	1425.084	-.411	.000	.411	.125	.035	-22.807	.000
232	.129	1428.129	-.268	-.328	.423	.146	.055	-22.807	-27.884
233	.099	1430.099	.000	-.182	.182	.051	.018	.000	-11.967
234	.101	1432.101	.000	.000	.000	.000	.000	.000	.000
235	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
236	.099	1434.099	.000	.000	.000	.000	.000	.000	.000
237	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
238	1.600	1423.600	.000	.246	.246	.017	.393	.000	259.668
239	.066	1425.066	.000	.799	.799	.273	.053	.000	34.980
240	.099	1427.099	.000	-.726	.726	.203	.072	.000	-47.410
241	.097	1429.097	.000	.000	.000	.000	.000	.000	.000
242	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
243	.092	1431.092	.000	.000	.000	.000	.000	.000	.000
244	.092	1431.092	.000	.000	.000	.000	.000	.000	.000
245	.101	1433.101	.000	.000	.000	.000	.000	.000	.000
246	.104	1424.104	-1.063	.000	1.063	.290	.111	-73.002	.000
247	.448	1425.448	-.569	.118	.581	.059	.260	-168.125	34.980
248	.290	1426.291	-.853	-.168	.869	.167	.252	-163.494	-32.216
249	.285	1427.285	-.669	.000	.669	.110	.191	-125.886	.000
250	.239	1428.239	-.640	.000	.640	.115	.153	-100.860	.000
251	.453	1428.453	-.221	.000	.221	.029	.100	-66.017	.000
252	.475	1428.475	-.072	.000	.072	.009	.034	-22.672	.000
253	.099	1430.099	.000	.000	.000	.000	.000	.000	.000

1 N = .035OPEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.100	1440.100	.000	.000	.000	.000	.000	.000	.000
2	.100	1438.100	.000	.000	.000	.000	.000	.000	.000
3	.096	1444.096	.000	.000	.000	.000	.000	.000	.000
4	.099	1446.099	.000	.000	.000	.000	.000	.000	.000
5	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
6	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
7	.098	1437.098	.000	.000	.000	.000	.000	.000	.000
8	.100	1447.100	.000	.000	.000	.000	.000	.000	.000
9	.098	1433.098	.000	.000	.000	.000	.000	.000	.000
10	.100	1432.100	.000	.000	.000	.000	.000	.000	.000
11	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
12	.098	1443.098	.000	.000	.000	.000	.000	.000	.000
13	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
14	.100	1429.100	.000	.000	.000	.000	.000	.000	.000
15	.100	1430.100	.000	.000	.000	.000	.000	.000	.000
16	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
17	.098	1421.098	.000	.000	.000	.000	.000	.000	.000
18	.099	1423.099	.000	.000	.000	.000	.000	.000	.000
19	.098	1426.098	.000	.000	.000	.000	.000	.000	.000
20	.099	1431.099	.000	.000	.000	.000	.000	.000	.000
21	.099	1417.099	.000	.000	.000	.000	.000	.000	.000
22	.098	1419.098	.000	.000	.000	.000	.000	.000	.000
23	.099	1419.099	.000	.000	.000	.000	.000	.000	.000
24	.098	1423.098	.000	.000	.000	.000	.000	.000	.000
25	.099	1413.099	.000	.000	.000	.000	.000	.000	.000
26	.100	1416.100	.000	.000	.000	.000	.000	.000	.000
27	.099	1414.099	.000	.000	.000	.000	.000	.000	.000
28	.099	1418.099	.000	.000	.000	.000	.000	.000	.000
29	.100	1409.099	.000	.000	.000	.000	.000	.000	.000
30	.098	1414.098	.000	.000	.000	.000	.000	.000	.000
31	.100	1410.100	.000	.000	.000	.000	.000	.000	.000
32	.100	1415.100	.000	.000	.000	.000	.000	.000	.000
33	.098	1405.098	.000	.000	.000	.000	.000	.000	.000
34	.099	1406.099	.000	.000	.000	.000	.000	.000	.000
35	.100	1407.100	.000	.000	.000	.000	.000	.000	.000
36	.097	1412.097	.000	.000	.000	.000	.000	.000	.000
37	.099	1400.099	.000	.000	.000	.000	.000	.000	.000
38	.098	1402.098	.000	.000	.000	.000	.000	.000	.000
39	.099	1404.099	.000	.000	.000	.000	.000	.000	.000
40	.100	1409.100	.000	.000	.000	.000	.000	.000	.000
41	.100	1396.100	.000	-.368	.368	.102	.037	.000	-24.234
42	.097	1398.097	.000	.000	.000	.000	.000	.000	.000
43	.099	1400.099	.000	.000	.000	.000	.000	.000	.000
44	.099	1405.099	.000	.000	.000	.000	.000	.000	.000
45	.102	1392.102	.000	-.666	.666	.184	.068	.000	-44.945
46	.100	1394.100	.000	.000	.000	.000	.000	.000	.000
47	.099	1397.099	.000	.000	.000	.000	.000	.000	.000
48	.098	1400.098	.000	.000	.000	.000	.000	.000	.000
49	.102	1389.102	.000	-.308	.308	.085	.031	.000	-20.711
50	.098	1390.098	.000	.000	.000	.000	.000	.000	.000
51	.100	1392.100	.000	.000	.000	.000	.000	.000	.000
52	.100	1394.100	.000	.000	.000	.000	.000	.000	.000
53	.099	1399.099	.000	.000	.000	.000	.000	.000	.000
54	.100	1405.100	.000	.000	.000	.000	.000	.000	.000
55	.099	1409.099	.000	.000	.000	.000	.000	.000	.000
56	.100	1413.100	.000	.000	.000	.000	.000	.000	.000
57	.099	1417.099	.000	.000	.000	.000	.000	.000	.000
58	.100	1422.100	.000	.000	.000	.000	.000	.000	.000

61	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
62	.100	1438.100	.000	.000	.000	.000	.000	.000	.000
63	.099	1441.099	.000	.000	.000	.000	.000	.000	.000
64	.092	1445.092	.000	.000	.000	.000	.000	.000	.000
65	.101	1447.101	.000	.000	.000	.000	.000	.000	.000
66	.099	1450.099	.000	.000	.000	.000	.000	.000	.000
67	.100	1449.099	.000	.000	.000	.000	.000	.000	.000
68	.100	1452.100	.000	.000	.000	.000	.000	.000	.000
69	.100	1455.100	.000	.000	.000	.000	.000	.000	.000
70	.100	1458.100	.000	.000	.000	.000	.000	.000	.000
71	.100	1461.100	.000	.000	.000	.000	.000	.000	.000
72	.098	1463.098	.000	.000	.000	.000	.000	.000	.000
73	.098	1386.098	.000	.000	.000	.000	.000	.000	.000
74	.099	1387.099	.000	.000	.000	.000	.000	.000	.000
75	.100	1389.100	.000	.000	.000	.000	.000	.000	.000
76	.098	1393.098	.000	.000	.000	.000	.000	.000	.000
77	.100	1397.100	.000	.000	.000	.000	.000	.000	.000
78	.100	1402.100	.000	.000	.000	.000	.000	.000	.000
79	.098	1407.098	.000	.000	.000	.000	.000	.000	.000
80	.098	1412.098	.000	.000	.000	.000	.000	.000	.000
81	.097	1418.097	.000	.000	.000	.000	.000	.000	.000
82	.098	1422.098	.000	.000	.000	.000	.000	.000	.000
83	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
84	.099	1428.099	.000	.000	.000	.000	.000	.000	.000
85	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
86	.100	1435.100	.000	.000	.000	.000	.000	.000	.000
87	.100	1438.100	.000	.000	.000	.000	.000	.000	.000
88	.099	1441.099	.000	.000	.000	.000	.000	.000	.000
89	.099	1443.099	.000	.000	.000	.000	.000	.000	.000
90	.100	1446.100	.000	.000	.000	.000	.000	.000	.000
91	.099	1446.099	.000	.000	.000	.000	.000	.000	.000
92	.098	1448.098	.000	.000	.000	.000	.000	.000	.000
93	.099	1451.099	.000	.000	.000	.000	.000	.000	.000
94	.099	1456.099	.000	.000	.000	.000	.000	.000	.000
95	.098	1458.098	.000	.000	.000	.000	.000	.000	.000
96	.099	1459.099	.000	.000	.000	.000	.000	.000	.000
97	.126	1382.126	.000	-.242	.242	.060	.030	.000	-20.108
98	.100	1384.100	.000	.000	.000	.000	.000	.000	.000
99	.099	1387.099	.000	.000	.000	.000	.000	.000	.000
100	.099	1391.099	.000	.000	.000	.000	.000	.000	.000
101	.100	1397.100	.000	.000	.000	.000	.000	.000	.000
102	.099	1403.099	.000	.000	.000	.000	.000	.000	.000
103	.099	1407.099	.000	.000	.000	.000	.000	.000	.000
104	.095	1413.095	.000	.000	.000	.000	.000	.000	.000
105	.099	1416.099	.000	.000	.000	.000	.000	.000	.000
106	.097	1419.097	.000	.000	.000	.000	.000	.000	.000
107	.100	1422.100	.000	.000	.000	.000	.000	.000	.000
108	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
109	.098	1429.098	.000	.000	.000	.000	.000	.000	.000
110	.099	1432.099	.000	.000	.000	.000	.000	.000	.000
111	.098	1434.099	.000	.000	.000	.000	.000	.000	.000
112	.101	1436.101	.000	.000	.000	.000	.000	.000	.000
113	.099	1438.099	.000	.000	.000	.000	.000	.000	.000
114	.101	1440.101	-.308	.000	.308	.086	.031	-20.526	.000
115	.098	1443.098	-.317	-.366	.484	.192	.048	-20.526	-23.726
116	.100	1445.100	.000	.000	.000	.000	.000	.000	.000
117	.098	1449.098	.000	.000	.000	.000	.000	.000	.000
118	.099	1452.099	.000	.000	.000	.000	.000	.000	.000
119	.099	1454.099	.000	.000	.000	.000	.000	.000	.000
120	.100	1457.100	.000	.000	.000	.000	.000	.000	.000
121	.097	1380.097	.000	-.313	.313	.088	.030	.000	-20.108
122	.099	1382.099	.000	.000	.000	.000	.000	.000	.000
123	.098	1386.098	.000	.000	.000	.000	.000	.000	.000
124	.100	1391.100	.000	.000	.000	.000	.000	.000	.000

127	.100	1407.100	.000	.000	.000	.000	.000	.000	.000
128	.100	1407.100	.000	.000	.000	.000	.000	.000	.000
129	.098	1412.098	.000	.000	.000	.000	.000	.000	.000
130	.099	1415.099	.000	.000	.000	.000	.000	.000	.000
131	.100	1418.100	.000	.000	.000	.000	.000	.000	.000
132	.098	1422.098	.000	.000	.000	.000	.000	.000	.000
133	.101	1426.101	-.353	.000	.353	.098	.036	-23.489	.000
134	.099	1430.099	-.359	.000	.359	.100	.036	-23.489	.000
135	.098	1430.098	.000	.000	.000	.000	.000	.000	.000
136	.098	1433.098	.000	.000	.000	.000	.000	.000	.000
137	.100	1435.099	.000	.000	.000	.000	.000	.000	.000
138	.098	1436.098	.000	.000	.000	.000	.000	.000	.000
139	.103	1439.103	-.386	-.348	.519	.201	.054	-26.339	-23.726
140	.099	1444.099	-.404	.000	.404	.113	.040	-26.339	.000
141	.099	1446.099	.000	.000	.000	.000	.000	.000	.000
142	.099	1447.099	.000	.000	.000	.000	.000	.000	.000
143	.098	1451.098	.000	.000	.000	.000	.000	.000	.000
144	.100	1453.100	.000	.000	.000	.000	.000	.000	.000
145	.715	1378.715	.000	-.062	.062	.007	.045	.000	-29.478
146	.088	1381.088	.000	.000	.000	.000	.000	.000	.000
147	.104	1384.104	.000	.000	.000	.000	.000	.000	.000
148	.100	1389.100	.000	.000	.000	.000	.000	.000	.000
149	.098	1394.098	.000	.000	.000	.000	.000	.000	.000
150	.099	1400.099	.000	.000	.000	.000	.000	.000	.000
151	.099	1402.099	.000	.000	.000	.000	.000	.000	.000
152	.099	1406.099	.000	.000	.000	.000	.000	.000	.000
153	.099	1410.099	.000	.000	.000	.000	.000	.000	.000
154	.100	1413.100	.000	.000	.000	.000	.000	.000	.000
155	.099	1417.099	.000	.000	.000	.000	.000	.000	.000
156	.099	1421.099	.000	.000	.000	.000	.000	.000	.000
157	.098	1424.098	.000	.000	.000	.000	.000	.000	.000
158	.099	1424.099	.000	.000	.000	.000	.000	.000	.000
159	.099	1426.099	.000	.000	.000	.000	.000	.000	.000
160	.100	1428.099	.000	.000	.000	.000	.000	.000	.000
161	.100	1430.100	.000	.000	.000	.000	.000	.000	.000
162	.100	1433.100	.000	.000	.000	.000	.000	.000	.000
163	.099	1437.099	.000	.000	.000	.000	.000	.000	.000
164	.098	1441.098	.000	.000	.000	.000	.000	.000	.000
165	.101	1443.101	.000	.000	.000	.000	.000	.000	.000
166	.097	1445.097	.000	.000	.000	.000	.000	.000	.000
167	.099	1448.099	.000	.000	.000	.000	.000	.000	.000
168	.099	1452.099	.000	.000	.000	.000	.000	.000	.000
169	.708	1378.708	.000	-.063	.063	.007	.045	.000	-29.478
170	.016	1381.016	.000	.000	.000	.000	.000	.000	.000
171	.100	1384.100	.000	.000	.000	.000	.000	.000	.000
172	.016	1388.016	.000	.000	.000	.000	.000	.000	.000
173	.159	1392.159	-.416	.000	.416	.092	.066	-43.732	.000
174	.113	1397.113	-1.187	.000	1.187	.311	.134	-88.743	.000
175	.181	1401.181	-.751	.000	.751	.156	.136	-89.607	.000
176	.115	1405.115	-1.375	.000	1.375	.358	.158	-103.998	.000
177	.260	1408.260	-.346	.000	.346	.060	.090	-59.402	.000
178	.095	1411.094	.000	.000	.000	.000	.000	.000	.000
179	.098	1415.098	.000	.000	.000	.000	.000	.000	.000
180	.099	1417.099	.000	.000	.000	.000	.000	.000	.000
181	.098	1418.098	.000	.000	.000	.000	.000	.000	.000
182	.099	1421.099	.000	.000	.000	.000	.000	.000	.000
183	.100	1423.100	.000	.000	.000	.000	.000	.000	.000
184	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
185	.099	1427.099	.000	.000	.000	.000	.000	.000	.000
186	.098	1433.098	.000	.000	.000	.000	.000	.000	.000
187	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
188	.098	1437.098	.000	.000	.000	.000	.000	.000	.000
189	.098	1440.098	.000	.000	.000	.000	.000	.000	.000
190	.100	1442.100	.000	.000	.000	.000	.000	.000	.000

193	.232	1407.232	-.415	.000	.415	.076	.096	-63.445	.000
194	.134	1411.134	-.717	.000	.717	.173	.096	-63.445	.000
195	.098	1412.099	.000	.000	.000	.000	.000	.000	.000
196	.100	1415.100	.000	.000	.000	.000	.000	.000	.000
197	.097	1418.097	.000	.000	.000	.000	.000	.000	.000
198	.099	1420.099	.000	.000	.000	.000	.000	.000	.000
199	.099	1423.099	.000	.000	.000	.000	.000	.000	.000
200	.099	1427.099	.000	.000	.000	.000	.000	.000	.000
201	.098	1430.098	.000	.000	.000	.000	.000	.000	.000
202	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
203	.098	1435.099	.000	.000	.000	.000	.000	.000	.000
204	.099	1437.099	.000	-.256	.256	.072	.025	.000	-16.636
205	.099	1439.099	.000	.000	.000	.000	.000	.000	.000
206	.098	1443.098	.000	.000	.000	.000	.000	.000	.000
207	.099	1444.099	.000	.000	.000	.000	.000	.000	.000
208	.268	1410.268	-.311	.000	.311	.053	.083	-54.855	.000
209	.101	1413.101	-1.295	.000	1.295	.358	.131	-86.634	.000
210	.190	1415.190	-.633	.000	.633	.128	.120	-79.387	.000
211	.117	1419.117	-.615	.000	.615	.158	.072	-47.608	.000
212	.097	1422.097	.000	.000	.000	.000	.000	.000	.000
213	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
214	.099	1427.099	.000	.000	.000	.000	.000	.000	.000
215	.098	1430.098	.000	.000	.000	.000	.000	.000	.000
216	.099	1432.099	.000	.000	.000	.000	.000	.000	.000
217	.102	1435.102	.000	-.248	.248	.069	.025	.000	-16.636
218	.099	1439.099	.000	.000	.000	.000	.000	.000	.000
219	.099	1440.099	.000	.000	.000	.000	.000	.000	.000
220	.100	1441.099	.000	.000	.000	.000	.000	.000	.000
221	.516	1420.516	.000	.000	.000	.000	.000	.000	.000
222	.102	1423.102	.000	.876	.876	.242	.089	.000	58.705
223	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
224	.100	1428.100	.000	.000	.000	.000	.000	.000	.000
225	.099	1431.099	.000	.000	.000	.000	.000	.000	.000
226	.099	1434.099	.000	.000	.000	.000	.000	.000	.000
227	.098	1436.098	.000	.000	.000	.000	.000	.000	.000
228	.099	1437.099	.000	.000	.000	.000	.000	.000	.000
229	.098	1439.098	.000	.000	.000	.000	.000	.000	.000
230	1.153	1423.153	.000	.159	.159	.013	.183	.000	120.595
231	.065	1425.065	.000	.000	.000	.000	.000	.000	.000
232	.099	1428.099	.000	.000	.000	.000	.000	.000	.000
233	.098	1430.098	.000	.000	.000	.000	.000	.000	.000
234	.100	1432.100	.000	.000	.000	.000	.000	.000	.000
235	.100	1433.100	.000	.000	.000	.000	.000	.000	.000
236	.099	1434.099	.000	.000	.000	.000	.000	.000	.000
237	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
238	1.184	1423.184	-.450	.079	.457	.030	.541	-351.966	61.890
239	.072	1425.072	-7.390	.216	7.393	2.353	.534	-351.966	10.284
240	.099	1427.099	.000	.000	.000	.000	.000	.000	.000
241	.099	1429.099	.000	.000	.000	.000	.000	.000	.000
242	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
243	.095	1431.095	.000	.000	.000	.000	.000	.000	.000
244	.095	1431.095	.000	.000	.000	.000	.000	.000	.000
245	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
246	.097	1424.097	-.453	.000	.453	.128	.044	-28.943	.000
247	.235	1425.235	-.374	.066	.379	.056	.089	-57.963	10.284
248	.121	1426.121	-.661	.000	.661	.168	.080	-52.608	.000
249	.178	1427.178	-.368	.000	.368	.077	.065	-43.156	.000
250	.100	1428.100	-.499	.000	.499	.139	.050	-32.918	.000
251	.268	1428.268	-.114	.000	.114	.019	.031	-20.183	.000
252	.280	1428.280	-.037	.000	.037	.006	.010	-6.833	.000
253	.098	1430.099	.000	.000	.000	.000	.000	.000	.000

MODEL TIME(HOURS) = 17.0002 INFLOW(CFS/LF) = .0000

1 N = .0350PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.098	1440.098	.000	.000	.000	.000	.000	.000	.000
2	.100	1438.100	.000	.000	.000	.000	.000	.000	.000
3	.098	1444.098	.000	.000	.000	.000	.000	.000	.000
4	.100	1446.100	.000	.000	.000	.000	.000	.000	.000
5	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
6	.099	1436.099	.000	-.359	.359	.100	.036	.000	-23.497
7	.099	1437.099	.000	.000	.000	.000	.000	.000	.000
8	.099	1447.099	.000	.000	.000	.000	.000	.000	.000
9	.100	1433.100	.000	.000	.000	.000	.000	.000	.000
10	.101	1432.101	.000	-.353	.353	.098	.036	.000	-23.497
11	.100	1436.099	.000	.000	.000	.000	.000	.000	.000
12	.099	1443.099	.000	.000	.000	.000	.000	.000	.000
13	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
14	.098	1429.098	.000	.000	.000	.000	.000	.000	.000
15	.098	1430.098	.000	.000	.000	.000	.000	.000	.000
16	.098	1435.098	.000	.000	.000	.000	.000	.000	.000
17	.099	1421.099	.000	.000	.000	.000	.000	.000	.000
18	.099	1423.099	.000	.000	.000	.000	.000	.000	.000
19	.100	1426.100	.000	.000	.000	.000	.000	.000	.000
20	.100	1431.100	.000	.000	.000	.000	.000	.000	.000
21	.100	1417.100	.000	.000	.000	.000	.000	.000	.000
22	.098	1419.098	.000	.000	.000	.000	.000	.000	.000
23	.099	1419.099	.000	.000	.000	.000	.000	.000	.000
24	.100	1423.100	.000	.000	.000	.000	.000	.000	.000
25	.100	1413.100	.000	-.365	.365	.102	.037	.000	-24.093
26	.099	1416.099	.000	.000	.000	.000	.000	.000	.000
27	.099	1414.099	.000	.000	.000	.000	.000	.000	.000
28	.101	1418.101	.000	.000	.000	.000	.000	.000	.000
29	.101	1409.101	.000	-.715	.715	.198	.072	.000	-47.752
30	.099	1414.099	.000	.000	.000	.000	.000	.000	.000
31	.099	1410.099	.000	.000	.000	.000	.000	.000	.000
32	.099	1415.099	.000	.000	.000	.000	.000	.000	.000
33	.102	1405.102	.000	-.352	.352	.097	.036	.000	-23.659
34	.099	1406.099	.000	.000	.000	.000	.000	.000	.000
35	.100	1407.100	.000	.000	.000	.000	.000	.000	.000
36	.098	1412.098	.000	.000	.000	.000	.000	.000	.000
37	.101	1400.101	.000	.000	.000	.000	.000	.000	.000
38	.099	1402.099	.000	.000	.000	.000	.000	.000	.000
39	.100	1404.100	.000	.000	.000	.000	.000	.000	.000
40	.099	1409.099	.000	.000	.000	.000	.000	.000	.000
41	.099	1396.099	.000	.000	.000	.000	.000	.000	.000
42	.099	1398.099	.000	.000	.000	.000	.000	.000	.000
43	.099	1400.099	.000	.000	.000	.000	.000	.000	.000
44	.100	1405.100	.000	.000	.000	.000	.000	.000	.000
45	.099	1392.099	.000	.000	.000	.000	.000	.000	.000
46	.098	1394.098	.000	.000	.000	.000	.000	.000	.000
47	.100	1397.100	.000	.000	.000	.000	.000	.000	.000
48	.099	1400.099	.000	.000	.000	.000	.000	.000	.000
49	.099	1389.099	.000	.000	.000	.000	.000	.000	.000
50	.099	1390.099	.000	.000	.000	.000	.000	.000	.000
51	.098	1392.098	.000	.000	.000	.000	.000	.000	.000
52	.100	1394.100	.000	.000	.000	.000	.000	.000	.000
53	.099	1399.099	.000	.000	.000	.000	.000	.000	.000
54	.098	1405.098	.000	.000	.000	.000	.000	.000	.000
55	.100	1409.100	.000	.000	.000	.000	.000	.000	.000
56	.099	1413.099	.000	.000	.000	.000	.000	.000	.000
57	.099	1417.099	.000	.000	.000	.000	.000	.000	.000
58	.099	1422.099	.000	.000	.000	.000	.000	.000	.000
59	.097	1427.097	.000	.000	.000	.000	.000	.000	.000
60	.099	1431.099	.000	.000	.000	.000	.000	.000	.000

62	.099	1438.099	.000	.000	.000	.000	.000	.000	.000
63	.099	1441.099	.000	.000	.000	.000	.000	.000	.000
64	.094	1445.094	.000	.000	.000	.000	.000	.000	.000
65	.100	1447.100	.000	.000	.000	.000	.000	.000	.000
66	.099	1450.099	.000	.000	.000	.000	.000	.000	.000
67	.099	1449.099	.000	.000	.000	.000	.000	.000	.000
68	.099	1452.099	.000	.000	.000	.000	.000	.000	.000
69	.100	1455.100	.000	.000	.000	.000	.000	.000	.000
70	.100	1458.100	.000	.000	.000	.000	.000	.000	.000
71	.099	1461.099	.000	.000	.000	.000	.000	.000	.000
72	.100	1463.100	.000	.000	.000	.000	.000	.000	.000
73	.099	1386.099	.000	.000	.000	.000	.000	.000	.000
74	.099	1387.099	.000	.000	.000	.000	.000	.000	.000
75	.099	1389.099	.000	.000	.000	.000	.000	.000	.000
76	.098	1393.098	.000	.000	.000	.000	.000	.000	.000
77	.100	1397.100	.000	.000	.000	.000	.000	.000	.000
78	.099	1402.099	.000	.000	.000	.000	.000	.000	.000
79	.099	1407.099	.000	.000	.000	.000	.000	.000	.000
80	.099	1412.099	.000	.000	.000	.000	.000	.000	.000
81	.098	1418.099	.000	.000	.000	.000	.000	.000	.000
82	.100	1422.100	.000	.000	.000	.000	.000	.000	.000
83	.100	1425.100	.000	.000	.000	.000	.000	.000	.000
84	.098	1428.098	.000	.000	.000	.000	.000	.000	.000
85	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
86	.098	1435.099	.000	.000	.000	.000	.000	.000	.000
87	.099	1438.099	.000	.000	.000	.000	.000	.000	.000
88	.098	1441.098	.000	.000	.000	.000	.000	.000	.000
89	.098	1443.098	.000	.000	.000	.000	.000	.000	.000
90	.100	1446.100	.000	.000	.000	.000	.000	.000	.000
91	.098	1446.098	.000	.000	.000	.000	.000	.000	.000
92	.099	1448.099	.000	.000	.000	.000	.000	.000	.000
93	.099	1451.099	.000	.000	.000	.000	.000	.000	.000
94	.100	1456.100	.000	.000	.000	.000	.000	.000	.000
95	.099	1458.099	.000	.000	.000	.000	.000	.000	.000
96	.100	1459.099	.000	.000	.000	.000	.000	.000	.000
97	.104	1382.104	.000	.000	.000	.000	.000	.000	.000
98	.098	1384.098	.000	.000	.000	.000	.000	.000	.000
99	.100	1387.100	.000	.000	.000	.000	.000	.000	.000
100	.100	1391.100	.000	.000	.000	.000	.000	.000	.000
101	.099	1397.099	.000	.000	.000	.000	.000	.000	.000
102	.099	1403.099	.000	.000	.000	.000	.000	.000	.000
103	.099	1407.099	.000	.000	.000	.000	.000	.000	.000
104	.097	1413.097	.000	.000	.000	.000	.000	.000	.000
105	.100	1416.100	.000	.000	.000	.000	.000	.000	.000
106	.098	1419.098	.000	.000	.000	.000	.000	.000	.000
107	.099	1422.099	.000	.000	.000	.000	.000	.000	.000
108	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
109	.099	1429.099	.000	.000	.000	.000	.000	.000	.000
110	.099	1432.099	.000	.000	.000	.000	.000	.000	.000
111	.098	1434.098	.000	.000	.000	.000	.000	.000	.000
112	.100	1436.100	.000	.000	.000	.000	.000	.000	.000
113	.097	1438.097	.000	.000	.000	.000	.000	.000	.000
114	.099	1440.099	.000	.000	.000	.000	.000	.000	.000
115	.099	1443.099	.000	.000	.000	.000	.000	.000	.000
116	.099	1445.099	.000	.000	.000	.000	.000	.000	.000
117	.099	1449.099	.000	.000	.000	.000	.000	.000	.000
118	.099	1452.099	.000	.000	.000	.000	.000	.000	.000
119	.099	1454.099	.000	.000	.000	.000	.000	.000	.000
120	.099	1457.099	.000	.000	.000	.000	.000	.000	.000
121	.091	1380.091	.000	.000	.000	.000	.000	.000	.000
122	.100	1382.100	.000	.000	.000	.000	.000	.000	.000
123	.098	1386.098	.000	.000	.000	.000	.000	.000	.000
124	.099	1391.099	.000	.000	.000	.000	.000	.000	.000
125	.099	1396.099	.000	.000	.000	.000	.000	.000	.000
126	.100	1401.100	.000	.000	.000	.000	.000	.000	.000

129	.098	1412.098	.000	.000	.000	.000	.000	.000	.000
130	.099	1415.099	.000	.000	.000	.000	.000	.000	.000
131	.099	1418.099	.000	.000	.000	.000	.000	.000	.000
132	.098	1422.099	.000	.000	.000	.000	.000	.000	.000
133	.099	1426.099	.000	.000	.000	.000	.000	.000	.000
134	.098	1430.099	.000	.000	.000	.000	.000	.000	.000
135	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
136	.098	1433.098	.000	.000	.000	.000	.000	.000	.000
137	.100	1435.100	.000	.000	.000	.000	.000	.000	.000
138	.100	1436.100	.000	.000	.000	.000	.000	.000	.000
139	.099	1439.099	.000	.000	.000	.000	.000	.000	.000
140	.099	1444.099	.000	.000	.000	.000	.000	.000	.000
141	.100	1446.100	.000	.000	.000	.000	.000	.000	.000
142	.099	1447.099	.000	.000	.000	.000	.000	.000	.000
143	.100	1451.100	.000	.000	.000	.000	.000	.000	.000
144	.099	1453.099	.000	.000	.000	.000	.000	.000	.000
145	.714	1378.714	.000	.000	.000	.000	.000	.000	.000
146	.089	1381.089	.000	.000	.000	.000	.000	.000	.000
147	.107	1384.107	.000	.000	.000	.000	.000	.000	.000
148	.099	1389.099	.000	.000	.000	.000	.000	.000	.000
149	.098	1394.098	.000	.000	.000	.000	.000	.000	.000
150	.099	1400.099	.000	.000	.000	.000	.000	.000	.000
151	.100	1402.099	.000	.000	.000	.000	.000	.000	.000
152	.099	1406.099	.000	.000	.000	.000	.000	.000	.000
153	.099	1410.099	.000	.000	.000	.000	.000	.000	.000
154	.099	1413.099	.000	.000	.000	.000	.000	.000	.000
155	.099	1417.099	.000	.000	.000	.000	.000	.000	.000
156	.100	1421.100	.000	.000	.000	.000	.000	.000	.000
157	.099	1424.099	.000	.000	.000	.000	.000	.000	.000
158	.099	1424.099	.000	.000	.000	.000	.000	.000	.000
159	.099	1426.099	.000	.000	.000	.000	.000	.000	.000
160	.098	1428.098	.000	.000	.000	.000	.000	.000	.000
161	.098	1430.098	.000	.000	.000	.000	.000	.000	.000
162	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
163	.099	1437.099	.000	.000	.000	.000	.000	.000	.000
164	.101	1441.101	.000	.000	.000	.000	.000	.000	.000
165	.099	1443.099	.000	.000	.000	.000	.000	.000	.000
166	.100	1445.100	.000	.000	.000	.000	.000	.000	.000
167	.099	1448.099	.000	.000	.000	.000	.000	.000	.000
168	.100	1452.100	.000	.000	.000	.000	.000	.000	.000
169	.708	1378.708	.000	.000	.000	.000	.000	.000	.000
170	.016	1381.016	.000	.000	.000	.000	.000	.000	.000
171	.100	1384.100	.000	.000	.000	.000	.000	.000	.000
172	.016	1388.016	.000	.000	.000	.000	.000	.000	.000
173	.159	1392.159	-.416	.000	.416	.092	.066	-43.732	.000
174	.113	1397.113	-1.187	.000	1.187	.311	.134	-88.743	.000
175	.181	1401.181	-.751	.000	.751	.156	.136	-89.607	.000
176	.115	1405.115	-1.375	.000	1.375	.358	.158	-103.938	.000
177	.260	1408.260	-.346	.000	.346	.060	.090	-59.402	.000
178	.096	1411.096	.000	.000	.000	.000	.000	.000	.000
179	.098	1415.098	.000	.000	.000	.000	.000	.000	.000
180	.099	1417.099	.000	.000	.000	.000	.000	.000	.000
181	.098	1418.098	.000	.000	.000	.000	.000	.000	.000
182	.098	1421.098	.000	.000	.000	.000	.000	.000	.000
183	.099	1423.099	.000	.000	.000	.000	.000	.000	.000
184	.100	1425.100	.000	.000	.000	.000	.000	.000	.000
185	.100	1427.100	.000	.000	.000	.000	.000	.000	.000
186	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
187	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
188	.098	1437.098	.000	.000	.000	.000	.000	.000	.000
189	.099	1440.099	.000	.000	.000	.000	.000	.000	.000
190	.099	1442.099	.000	.000	.000	.000	.000	.000	.000
191	.099	1445.099	.000	.000	.000	.000	.000	.000	.000
192	.100	1448.100	.000	.000	.000	.000	.000	.000	.000

195	.098	1412.098	.000	.000	.000	.000	.000	.000	.000
196	.099	1415.099	.000	.000	.000	.000	.000	.000	.000
197	.097	1418.097	.000	.000	.000	.000	.000	.000	.000
198	.099	1420.099	.000	.000	.000	.000	.000	.000	.000
199	.099	1423.099	.000	.000	.000	.000	.000	.000	.000
200	.098	1427.098	.000	.000	.000	.000	.000	.000	.000
201	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
202	.098	1433.099	.000	.000	.000	.000	.000	.000	.000
203	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
204	.099	1437.099	.000	.000	.000	.000	.000	.000	.000
205	.100	1439.099	.000	.000	.000	.000	.000	.000	.000
206	.099	1443.099	.000	.000	.000	.000	.000	.000	.000
207	.098	1444.099	.000	.000	.000	.000	.000	.000	.000
208	.268	1410.268	-.311	.000	.311	.053	.083	-54.855	.000
209	.101	1413.101	-1.295	.000	1.295	.358	.131	-86.634	.000
210	.190	1415.190	-.633	.000	.633	.128	.120	-79.387	.000
211	.117	1419.117	-.615	.000	.615	.158	.072	-47.608	.000
212	.094	1422.094	.000	.000	.000	.000	.000	.000	.000
213	.098	1425.098	.000	.000	.000	.000	.000	.000	.000
214	.100	1427.100	.000	.000	.000	.000	.000	.000	.000
215	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
216	.098	1432.098	.000	.000	.000	.000	.000	.000	.000
217	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
218	.098	1439.098	.000	.000	.000	.000	.000	.000	.000
219	.098	1440.098	.000	.000	.000	.000	.000	.000	.000
220	.099	1441.099	.000	.000	.000	.000	.000	.000	.000
221	.516	1420.516	.000	.000	.000	.000	.000	.000	.000
222	.103	1423.103	-.250	.407	.477	.043	.049	-16.897	27.515
223	.102	1425.102	-.252	.000	.252	.069	.026	-16.897	.000
224	.099	1428.099	.000	.000	.000	.000	.000	.000	.000
225	.099	1431.099	.000	.000	.000	.000	.000	.000	.000
226	.100	1434.099	.000	.000	.000	.000	.000	.000	.000
227	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
228	.099	1437.099	.000	.000	.000	.000	.000	.000	.000
229	.098	1439.098	.000	.000	.000	.000	.000	.000	.000
230	1.110	1423.110	.000	.038	.038	.003	.042	.000	27.515
231	.067	1425.067	.000	.000	.000	.000	.000	.000	.000
232	.100	1428.100	.000	.000	.000	.000	.000	.000	.000
233	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
234	.100	1432.100	-.180	.000	.180	.050	.018	-11.846	.000
235	.101	1433.101	-.177	.000	.177	.049	.018	-11.846	.000
236	.099	1434.099	.000	.000	.000	.000	.000	.000	.000
237	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
238	1.118	1423.118	.000	.000	.000	.000	.000	.000	.000
239	.073	1425.073	.000	.000	.000	.000	.000	.000	.000
240	.100	1427.100	.000	.000	.000	.000	.000	.000	.000
241	.099	1429.099	.000	.000	.000	.000	.000	.000	.000
242	.100	1430.100	.000	.000	.000	.000	.000	.000	.000
243	.096	1431.096	.000	.000	.000	.000	.000	.000	.000
244	.096	1431.096	.000	.000	.000	.000	.000	.000	.000
245	.100	1433.100	.000	.000	.000	.000	.000	.000	.000
246	.097	1424.097	-.208	.000	.208	.059	.020	-13.295	.000
247	.117	1425.117	-.172	.000	.172	.044	.020	-13.295	.000
248	.100	1426.100	-.180	.000	.180	.050	.018	-11.901	.000
249	.102	1427.102	-.354	.000	.354	.098	.036	-23.846	.000
250	.100	1428.100	-.285	.000	.285	.080	.028	-18.767	.000
251	.194	1428.194	-.085	.000	.085	.017	.016	-10.823	.000
252	.205	1428.205	-.030	.000	.030	.006	.006	-4.001	.000
253	.099	1430.099	.000	.000	.000	.000	.000	.000	.000

MODEL TIME(HOURS) = 18.0000 INFLOW(CFS/LF) = .0000

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.100	1440.100	.000	.000	.000	.000	.000	.000	.000
2	.100	1438.100	.000	.000	.000	.000	.000	.000	.000
3	.100	1444.100	.000	.000	.000	.000	.000	.000	.000
4	.100	1446.100	.000	.000	.000	.000	.000	.000	.000
5	.100	1436.100	.000	.000	.000	.000	.000	.000	.000
6	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
7	.100	1437.100	.000	.000	.000	.000	.000	.000	.000
8	.097	1447.097	.000	.000	.000	.000	.000	.000	.000
9	.098	1433.098	.000	.000	.000	.000	.000	.000	.000
10	.100	1432.100	.000	.000	.000	.000	.000	.000	.000
11	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
12	.098	1443.098	.000	.000	.000	.000	.000	.000	.000
13	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
14	.100	1429.099	.000	.000	.000	.000	.000	.000	.000
15	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
16	.100	1435.100	.000	.000	.000	.000	.000	.000	.000
17	.099	1421.099	.000	.000	.000	.000	.000	.000	.000
18	.099	1423.099	.000	.000	.000	.000	.000	.000	.000
19	.099	1426.099	.000	.000	.000	.000	.000	.000	.000
20	.099	1431.099	.000	.000	.000	.000	.000	.000	.000
21	.100	1417.100	.000	.000	.000	.000	.000	.000	.000
22	.099	1419.099	.000	.000	.000	.000	.000	.000	.000
23	.099	1419.099	.000	.000	.000	.000	.000	.000	.000
24	.099	1423.099	.000	.000	.000	.000	.000	.000	.000
25	.099	1413.099	.000	.000	.000	.000	.000	.000	.000
26	.098	1416.098	.000	.000	.000	.000	.000	.000	.000
27	.099	1414.099	.000	.000	.000	.000	.000	.000	.000
28	.100	1418.100	.000	.000	.000	.000	.000	.000	.000
29	.099	1409.099	.000	.000	.000	.000	.000	.000	.000
30	.098	1414.098	.000	.000	.000	.000	.000	.000	.000
31	.100	1410.099	.000	.000	.000	.000	.000	.000	.000
32	.098	1415.098	.000	.000	.000	.000	.000	.000	.000
33	.099	1405.099	.000	.000	.000	.000	.000	.000	.000
34	.099	1406.099	.000	.000	.000	.000	.000	.000	.000
35	.100	1407.100	.000	.000	.000	.000	.000	.000	.000
36	.100	1412.100	.000	.000	.000	.000	.000	.000	.000
37	.099	1400.099	.000	-.363	.363	.102	.036	.000	-23.694
38	.098	1402.098	.000	.000	.000	.000	.000	.000	.000
39	.099	1404.099	.000	.000	.000	.000	.000	.000	.000
40	.098	1409.098	.000	.000	.000	.000	.000	.000	.000
41	.102	1396.102	.000	-.351	.351	.097	.036	.000	-23.694
42	.099	1398.099	.000	.000	.000	.000	.000	.000	.000
43	.100	1400.099	.000	.000	.000	.000	.000	.000	.000
44	.100	1405.100	.000	.000	.000	.000	.000	.000	.000
45	.099	1392.099	.000	.000	.000	.000	.000	.000	.000
46	.100	1394.100	.000	.000	.000	.000	.000	.000	.000
47	.100	1397.100	.000	.000	.000	.000	.000	.000	.000
48	.099	1400.099	.000	.000	.000	.000	.000	.000	.000
49	.100	1389.100	.000	.000	.000	.000	.000	.000	.000
50	.099	1390.099	.000	.000	.000	.000	.000	.000	.000
51	.099	1392.099	.000	.000	.000	.000	.000	.000	.000
52	.100	1394.100	.000	.000	.000	.000	.000	.000	.000
53	.099	1399.099	.000	.000	.000	.000	.000	.000	.000
54	.100	1405.100	.000	.000	.000	.000	.000	.000	.000
55	.098	1409.098	.000	.000	.000	.000	.000	.000	.000
56	.098	1413.098	.000	.000	.000	.000	.000	.000	.000
57	.099	1417.099	.000	.000	.000	.000	.000	.000	.000
58	.098	1422.099	.000	.000	.000	.000	.000	.000	.000
59	.099	1427.099	.000	.000	.000	.000	.000	.000	.000
60	.099	1431.099	.000	.000	.000	.000	.000	.000	.000
61	.098	1435.098	.000	.000	.000	.000	.000	.000	.000
62	.100	1438.100	.000	.000	.000	.000	.000	.000	.000

65	.099	1447.099	.000	.000	.000	.000	.000	.000	.000
66	.099	1450.099	.000	.000	.000	.000	.000	.000	.000
67	.099	1449.099	.000	.000	.000	.000	.000	.000	.000
68	.099	1452.099	.000	.000	.000	.000	.000	.000	.000
69	.099	1455.099	.000	.000	.000	.000	.000	.000	.000
70	.098	1458.098	.000	.000	.000	.000	.000	.000	.000
71	.099	1461.099	.000	.000	.000	.000	.000	.000	.000
72	.099	1463.099	.000	.000	.000	.000	.000	.000	.000
73	.099	1386.099	.000	.000	.000	.000	.000	.000	.000
74	.099	1387.099	.000	.000	.000	.000	.000	.000	.000
75	.100	1389.100	.000	.000	.000	.000	.000	.000	.000
76	.098	1393.098	.000	.000	.000	.000	.000	.000	.000
77	.099	1397.099	.000	.000	.000	.000	.000	.000	.000
78	.100	1402.100	.000	.000	.000	.000	.000	.000	.000
79	.098	1407.098	.000	.000	.000	.000	.000	.000	.000
80	.100	1412.100	.000	.000	.000	.000	.000	.000	.000
81	.100	1418.100	.000	.000	.000	.000	.000	.000	.000
82	.099	1422.099	.000	.000	.000	.000	.000	.000	.000
83	.100	1425.100	.000	.000	.000	.000	.000	.000	.000
84	.097	1428.097	.000	.000	.000	.000	.000	.000	.000
85	.098	1433.098	.000	.000	.000	.000	.000	.000	.000
86	.100	1435.100	.000	.000	.000	.000	.000	.000	.000
87	.099	1438.099	.000	.000	.000	.000	.000	.000	.000
88	.099	1441.099	.000	.000	.000	.000	.000	.000	.000
89	.101	1443.101	.000	.000	.000	.000	.000	.000	.000
90	.099	1446.099	.000	.000	.000	.000	.000	.000	.000
91	.101	1446.101	.000	.000	.000	.000	.000	.000	.000
92	.100	1448.100	.000	.000	.000	.000	.000	.000	.000
93	.099	1451.099	.000	.000	.000	.000	.000	.000	.000
94	.099	1456.099	.000	.000	.000	.000	.000	.000	.000
95	.100	1458.100	.000	.000	.000	.000	.000	.000	.000
96	.100	1459.100	.000	.000	.000	.000	.000	.000	.000
97	.105	1382.104	.000	.000	.000	.000	.000	.000	.000
98	.098	1384.098	.000	.000	.000	.000	.000	.000	.000
99	.099	1387.099	.000	.000	.000	.000	.000	.000	.000
100	.099	1391.099	.000	.000	.000	.000	.000	.000	.000
101	.099	1397.099	.000	.000	.000	.000	.000	.000	.000
102	.100	1403.100	.000	.000	.000	.000	.000	.000	.000
103	.100	1407.100	.000	.000	.000	.000	.000	.000	.000
104	.098	1413.098	.000	.000	.000	.000	.000	.000	.000
105	.099	1416.099	.000	.000	.000	.000	.000	.000	.000
106	.102	1419.102	-.304	.000	.304	.084	.031	-20.519	.000
107	.099	1422.099	-.315	.000	.315	.088	.031	-20.519	.000
108	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
109	.098	1429.098	.000	.000	.000	.000	.000	.000	.000
110	.099	1432.099	.000	.000	.000	.000	.000	.000	.000
111	.099	1434.099	.000	.000	.000	.000	.000	.000	.000
112	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
113	.099	1438.099	.000	.000	.000	.000	.000	.000	.000
114	.099	1440.099	.000	.000	.000	.000	.000	.000	.000
115	.099	1443.099	.000	.000	.000	.000	.000	.000	.000
116	.099	1445.099	.000	.000	.000	.000	.000	.000	.000
117	.100	1449.100	.000	.000	.000	.000	.000	.000	.000
118	.099	1452.099	.000	.000	.000	.000	.000	.000	.000
119	.100	1454.099	.000	.000	.000	.000	.000	.000	.000
120	.100	1457.100	.000	.000	.000	.000	.000	.000	.000
121	.091	1380.091	.000	.000	.000	.000	.000	.000	.000
122	.099	1382.099	.000	.000	.000	.000	.000	.000	.000
123	.097	1386.098	.000	.000	.000	.000	.000	.000	.000
124	.099	1391.099	.000	.000	.000	.000	.000	.000	.000
125	.099	1396.099	.000	.000	.000	.000	.000	.000	.000
126	.099	1401.099	.000	.000	.000	.000	.000	.000	.000
127	.101	1407.101	.000	.000	.000	.000	.000	.000	.000
128	.100	1407.100	.000	.000	.000	.000	.000	.000	.000

131	.101	1418.101	-.351	.000	.351	.097	.036	-23.521	.000
132	.099	1422.099	-.361	.000	.361	.101	.036	-23.521	.000
133	.099	1426.099	.000	.000	.000	.000	.000	.000	.000
134	.098	1430.098	.000	.000	.000	.000	.000	.000	.000
135	.102	1430.102	.000	.000	.000	.000	.000	.000	.000
136	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
137	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
138	.100	1436.100	.000	.000	.000	.000	.000	.000	.000
139	.099	1439.099	.000	.000	.000	.000	.000	.000	.000
140	.098	1444.098	.000	.000	.000	.000	.000	.000	.000
141	.100	1446.100	.000	.000	.000	.000	.000	.000	.000
142	.100	1447.100	.000	.000	.000	.000	.000	.000	.000
143	.099	1451.099	.000	.000	.000	.000	.000	.000	.000
144	.100	1453.100	.000	.000	.000	.000	.000	.000	.000
145	.714	1378.714	.000	.000	.000	.000	.000	.000	.000
146	.089	1381.089	.000	.000	.000	.000	.000	.000	.000
147	.102	1384.102	.000	.000	.000	.000	.000	.000	.000
148	.099	1389.099	.000	.000	.000	.000	.000	.000	.000
149	.098	1394.098	.000	.000	.000	.000	.000	.000	.000
150	.099	1400.099	.000	.000	.000	.000	.000	.000	.000
151	.098	1402.098	.000	.000	.000	.000	.000	.000	.000
152	.099	1406.099	.000	.000	.000	.000	.000	.000	.000
153	.099	1410.099	.000	.000	.000	.000	.000	.000	.000
154	.099	1413.099	.000	.000	.000	.000	.000	.000	.000
155	.099	1417.099	.000	.000	.000	.000	.000	.000	.000
156	.097	1421.097	.000	.000	.000	.000	.000	.000	.000
157	.098	1424.098	.000	.000	.000	.000	.000	.000	.000
158	.100	1424.100	.000	.000	.000	.000	.000	.000	.000
159	.098	1426.098	.000	.000	.000	.000	.000	.000	.000
160	.099	1428.099	.000	.000	.000	.000	.000	.000	.000
161	.098	1430.098	.000	.000	.000	.000	.000	.000	.000
162	.100	1433.100	.000	.000	.000	.000	.000	.000	.000
163	.099	1437.099	.000	.000	.000	.000	.000	.000	.000
164	.098	1441.098	.000	.000	.000	.000	.000	.000	.000
165	.099	1443.099	.000	.000	.000	.000	.000	.000	.000
166	.098	1445.098	.000	.000	.000	.000	.000	.000	.000
167	.099	1448.099	.000	.000	.000	.000	.000	.000	.000
168	.100	1452.100	.000	.000	.000	.000	.000	.000	.000
169	.708	1378.708	.000	.000	.000	.000	.000	.000	.000
170	.016	1381.016	.000	.000	.000	.000	.000	.000	.000
171	.100	1384.100	.000	.000	.000	.000	.000	.000	.000
172	.016	1388.016	.000	.000	.000	.000	.000	.000	.000
173	.159	1392.159	-.416	.000	.416	.092	.066	-43.732	.000
174	.113	1397.113	-1.187	.000	1.187	.311	.134	-88.743	.000
175	.181	1401.181	-.751	.000	.751	.156	.136	-89.607	.000
176	.115	1405.115	-1.375	.000	1.375	.358	.158	-103.998	.000
177	.260	1408.260	-.346	.000	.346	.060	.090	-59.402	.000
178	.094	1411.094	.000	.000	.000	.000	.000	.000	.000
179	.098	1415.099	.000	.000	.000	.000	.000	.000	.000
180	.102	1417.102	-.176	.000	.176	.049	.018	-11.853	.000
181	.099	1418.099	-.494	-.314	.586	.226	.058	-32.367	-20.555
182	.099	1421.099	-.313	.000	.313	.088	.031	-20.515	.000
183	.097	1423.097	.000	.000	.000	.000	.000	.000	.000
184	.100	1425.100	.000	.000	.000	.000	.000	.000	.000
185	.099	1427.099	.000	.000	.000	.000	.000	.000	.000
186	.097	1433.097	.000	.000	.000	.000	.000	.000	.000
187	.100	1435.099	.000	.000	.000	.000	.000	.000	.000
188	.099	1437.099	.000	.000	.000	.000	.000	.000	.000
189	.098	1440.098	.000	.000	.000	.000	.000	.000	.000
190	.098	1442.098	.000	.000	.000	.000	.000	.000	.000
191	.099	1445.099	.000	.000	.000	.000	.000	.000	.000
192	.100	1448.099	.000	.000	.000	.000	.000	.000	.000
193	.232	1407.232	-.415	.000	.415	.076	.096	-63.445	.000
194	.134	1411.134	-.717	.000	.717	.173	.096	-63.445	.000

197	.100	1418.100	-.257	.000	.257	.072	.026	-16.898	.000
198	.103	1420.103	-.561	-.203	.596	.210	.061	-38.049	-13.751
199	.100	1423.099	-.322	.000	.322	.090	.032	-21.151	.000
200	.098	1427.098	.000	.000	.000	.000	.000	.000	.000
201	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
202	.097	1433.097	.000	.000	.000	.000	.000	.000	.000
203	.100	1435.100	.000	.000	.000	.000	.000	.000	.000
204	.099	1437.099	.000	.000	.000	.000	.000	.000	.000
205	.100	1439.100	.000	.000	.000	.000	.000	.000	.000
206	.097	1443.097	.000	.000	.000	.000	.000	.000	.000
207	.099	1444.099	.000	.000	.000	.000	.000	.000	.000
208	.268	1410.268	-.311	.000	.311	.053	.083	-54.855	.000
209	.101	1413.101	-1.295	-.253	1.320	.429	.134	-86.634	-16.951
210	.190	1415.190	-.633	.000	.633	.128	.120	-79.387	.000
211	.117	1419.117	-.615	-.178	.640	.204	.075	-47.608	-13.751
212	.095	1422.095	.000	.000	.000	.000	.000	.000	.000
213	.100	1425.100	.000	.000	.000	.000	.000	.000	.000
214	.098	1427.098	.000	.000	.000	.000	.000	.000	.000
215	.098	1430.098	.000	.000	.000	.000	.000	.000	.000
216	.100	1432.099	.000	.000	.000	.000	.000	.000	.000
217	.100	1435.100	.000	.000	.000	.000	.000	.000	.000
218	.100	1439.100	.000	.000	.000	.000	.000	.000	.000
219	.100	1440.100	.000	.000	.000	.000	.000	.000	.000
220	.100	1441.100	.000	.000	.000	.000	.000	.000	.000
221	.516	1420.516	.000	.000	.000	.000	.000	.000	.000
222	.093	1423.093	.000	.415	.415	.120	.039	.000	25.505
223	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
224	.099	1428.099	.000	.000	.000	.000	.000	.000	.000
225	.099	1431.099	.000	.000	.000	.000	.000	.000	.000
226	.099	1434.099	.000	.000	.000	.000	.000	.000	.000
227	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
228	.099	1437.099	.000	.000	.000	.000	.000	.000	.000
229	.099	1439.099	.000	.000	.000	.000	.000	.000	.000
230	1.101	1423.101	.000	.035	.035	.003	.039	.000	25.505
231	.068	1425.068	.000	.000	.000	.000	.000	.000	.000
232	.099	1428.099	.000	.000	.000	.000	.000	.000	.000
233	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
234	.100	1432.100	.000	.000	.000	.000	.000	.000	.000
235	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
236	.100	1434.100	.000	.000	.000	.000	.000	.000	.000
237	.100	1435.100	.000	.000	.000	.000	.000	.000	.000
238	1.105	1423.105	.000	.000	.000	.000	.000	.000	.000
239	.074	1425.074	.000	.000	.000	.000	.000	.000	.000
240	.100	1427.100	.000	.000	.000	.000	.000	.000	.000
241	.099	1429.099	.000	.000	.000	.000	.000	.000	.000
242	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
243	.098	1431.098	.000	.000	.000	.000	.000	.000	.000
244	.098	1431.098	.000	.000	.000	.000	.000	.000	.000
245	.100	1433.100	.000	.000	.000	.000	.000	.000	.000
246	.093	1424.093	-.201	.000	.201	.058	.019	-12.342	.000
247	.113	1425.113	-.340	.000	.340	.089	.038	-25.369	.000
248	.100	1426.100	-.198	.000	.198	.055	.020	-13.027	.000
249	.100	1427.100	.000	.000	.000	.000	.000	.000	.000
250	.100	1428.100	-.063	.000	.063	.017	.006	-4.163	.000
251	.155	1428.155	-.062	.000	.062	.014	.010	-6.383	.000
252	.163	1428.163	-.021	.000	.021	.005	.003	-2.220	.000
253	.099	1430.099	.000	.000	.000	.000	.000	.000	.000

MODEL TIME(HOURS) = 18.9998 INFLOW(CFS/LF) = .0000

1 N = .0350PEAK TIME = .00000Q PEAK = .00

1	.098	1440.098	.000	.000	.000	.000	.000	.000	.000
2	.100	1438.100	.000	.000	.000	.000	.000	.000	.000
3	.098	1444.098	.000	.000	.000	.000	.000	.000	.000
4	.100	1446.100	.000	.000	.000	.000	.000	.000	.000
5	.100	1436.100	.000	.000	.000	.000	.000	.000	.000
6	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
7	.100	1437.100	.000	.000	.000	.000	.000	.000	.000
8	.098	1447.098	.000	.000	.000	.000	.000	.000	.000
9	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
10	.099	1432.099	.000	.000	.000	.000	.000	.000	.000
11	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
12	.100	1443.100	.000	.000	.000	.000	.000	.000	.000
13	.100	1425.099	.000	.000	.000	.000	.000	.000	.000
14	.099	1429.099	.000	.000	.000	.000	.000	.000	.000
15	.098	1430.098	.000	.000	.000	.000	.000	.000	.000
16	.097	1435.097	.000	.000	.000	.000	.000	.000	.000
17	.099	1421.099	.000	.000	.000	.000	.000	.000	.000
18	.100	1423.100	.000	.000	.000	.000	.000	.000	.000
19	.098	1426.098	.000	.000	.000	.000	.000	.000	.000
20	.098	1431.098	.000	.000	.000	.000	.000	.000	.000
21	.100	1417.100	.000	.000	.000	.000	.000	.000	.000
22	.099	1419.099	.000	.000	.000	.000	.000	.000	.000
23	.098	1419.098	.000	.000	.000	.000	.000	.000	.000
24	.100	1423.099	.000	.000	.000	.000	.000	.000	.000
25	.100	1413.100	.000	.000	.000	.000	.000	.000	.000
26	.098	1416.098	.000	.000	.000	.000	.000	.000	.000
27	.099	1414.099	.000	.000	.000	.000	.000	.000	.000
28	.098	1418.098	.000	.000	.000	.000	.000	.000	.000
29	.099	1409.099	.000	.000	.000	.000	.000	.000	.000
30	.099	1414.099	.000	.000	.000	.000	.000	.000	.000
31	.099	1410.099	.000	.000	.000	.000	.000	.000	.000
32	.099	1415.099	.000	.000	.000	.000	.000	.000	.000
33	.099	1405.099	.000	.000	.000	.000	.000	.000	.000
34	.100	1406.100	.000	.000	.000	.000	.000	.000	.000
35	.099	1407.099	.000	.000	.000	.000	.000	.000	.000
36	.099	1412.099	.000	.000	.000	.000	.000	.000	.000
37	.099	1400.099	.000	.000	.000	.000	.000	.000	.000
38	.100	1402.100	.000	.000	.000	.000	.000	.000	.000
39	.099	1404.099	.000	.000	.000	.000	.000	.000	.000
40	.100	1409.100	.000	.000	.000	.000	.000	.000	.000
41	.099	1396.099	.000	.000	.000	.000	.000	.000	.000
42	.099	1398.099	.000	.000	.000	.000	.000	.000	.000
43	.100	1400.100	.000	.000	.000	.000	.000	.000	.000
44	.099	1405.099	.000	.000	.000	.000	.000	.000	.000
45	.100	1392.100	.000	.000	.000	.000	.000	.000	.000
46	.098	1394.098	.000	.000	.000	.000	.000	.000	.000
47	.098	1397.098	.000	.000	.000	.000	.000	.000	.000
48	.100	1400.100	.000	.000	.000	.000	.000	.000	.000
49	.098	1389.098	.000	.000	.000	.000	.000	.000	.000
50	.100	1390.100	.000	.000	.000	.000	.000	.000	.000
51	.099	1392.099	.000	.000	.000	.000	.000	.000	.000
52	.099	1394.099	.000	.000	.000	.000	.000	.000	.000
53	.098	1399.098	.000	.000	.000	.000	.000	.000	.000
54	.097	1405.097	.000	.000	.000	.000	.000	.000	.000
55	.098	1409.098	.000	.000	.000	.000	.000	.000	.000
56	.100	1413.100	.000	.000	.000	.000	.000	.000	.000
57	.099	1417.099	.000	.000	.000	.000	.000	.000	.000
58	.100	1422.100	.000	.000	.000	.000	.000	.000	.000
59	.100	1427.100	.000	.000	.000	.000	.000	.000	.000
60	.100	1431.100	.000	.000	.000	.000	.000	.000	.000
61	.100	1435.100	.000	.000	.000	.000	.000	.000	.000
62	.100	1438.099	.000	.000	.000	.000	.000	.000	.000
63	.099	1441.099	.000	.000	.000	.000	.000	.000	.000
64	.097	1445.097	.000	.000	.000	.000	.000	.000	.000

67	.099	1449.099	.000	.000	.000	.000	.000	.000	.000
68	.100	1452.100	.000	.000	.000	.000	.000	.000	.000
69	.099	1455.099	.000	.000	.000	.000	.000	.000	.000
70	.100	1458.100	.000	.000	.000	.000	.000	.000	.000
71	.099	1461.099	.000	.000	.000	.000	.000	.000	.000
72	.100	1463.100	.000	.000	.000	.000	.000	.000	.000
73	.099	1386.099	.000	.000	.000	.000	.000	.000	.000
74	.099	1387.099	.000	.000	.000	.000	.000	.000	.000
75	.099	1389.099	.000	.000	.000	.000	.000	.000	.000
76	.099	1393.099	.000	.000	.000	.000	.000	.000	.000
77	.099	1397.099	.000	.000	.000	.000	.000	.000	.000
78	.100	1402.100	.000	.000	.000	.000	.000	.000	.000
79	.099	1407.099	.000	.000	.000	.000	.000	.000	.000
80	.099	1412.099	.000	.000	.000	.000	.000	.000	.000
81	.099	1418.099	.000	.000	.000	.000	.000	.000	.000
82	.099	1422.099	.000	.000	.000	.000	.000	.000	.000
83	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
84	.099	1428.099	.000	.000	.000	.000	.000	.000	.000
85	.100	1433.100	.000	.000	.000	.000	.000	.000	.000
86	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
87	.099	1438.099	.000	.000	.000	.000	.000	.000	.000
88	.099	1441.099	.000	.000	.000	.000	.000	.000	.000
89	.100	1443.100	.000	.000	.000	.000	.000	.000	.000
90	.098	1446.098	.000	.000	.000	.000	.000	.000	.000
91	.100	1446.100	.000	.000	.000	.000	.000	.000	.000
92	.099	1448.099	.000	.000	.000	.000	.000	.000	.000
93	.099	1451.099	.000	.000	.000	.000	.000	.000	.000
94	.099	1456.099	.000	.000	.000	.000	.000	.000	.000
95	.100	1458.100	.000	.000	.000	.000	.000	.000	.000
96	.100	1459.100	.000	.000	.000	.000	.000	.000	.000
97	.104	1382.104	.000	.000	.000	.000	.000	.000	.000
98	.099	1384.099	.000	.000	.000	.000	.000	.000	.000
99	.099	1387.099	.000	.000	.000	.000	.000	.000	.000
100	.100	1391.100	.000	.000	.000	.000	.000	.000	.000
101	.099	1397.099	.000	.000	.000	.000	.000	.000	.000
102	.097	1403.097	.000	.000	.000	.000	.000	.000	.000
103	.098	1407.099	.000	.000	.000	.000	.000	.000	.000
104	.096	1413.096	.000	.000	.000	.000	.000	.000	.000
105	.100	1416.100	.000	.000	.000	.000	.000	.000	.000
106	.100	1419.100	.000	.000	.000	.000	.000	.000	.000
107	.098	1422.098	.000	.000	.000	.000	.000	.000	.000
108	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
109	.098	1429.098	.000	.000	.000	.000	.000	.000	.000
110	.100	1432.100	.000	.000	.000	.000	.000	.000	.000
111	.099	1434.099	.000	.000	.000	.000	.000	.000	.000
112	.098	1436.098	.000	.000	.000	.000	.000	.000	.000
113	.098	1438.098	.000	.000	.000	.000	.000	.000	.000
114	.100	1440.100	.000	.000	.000	.000	.000	.000	.000
115	.100	1443.100	.000	.000	.000	.000	.000	.000	.000
116	.100	1445.100	.000	.000	.000	.000	.000	.000	.000
117	.099	1449.099	.000	.000	.000	.000	.000	.000	.000
118	.099	1452.099	.000	.000	.000	.000	.000	.000	.000
119	.100	1454.100	.000	.000	.000	.000	.000	.000	.000
120	.099	1457.099	.000	.000	.000	.000	.000	.000	.000
121	.090	1380.090	.000	.000	.000	.000	.000	.000	.000
122	.099	1382.099	.000	.000	.000	.000	.000	.000	.000
123	.098	1386.098	.000	.000	.000	.000	.000	.000	.000
124	.099	1391.099	.000	.000	.000	.000	.000	.000	.000
125	.100	1396.100	.000	.000	.000	.000	.000	.000	.000
126	.100	1401.100	.000	.000	.000	.000	.000	.000	.000
127	.100	1407.100	.000	.000	.000	.000	.000	.000	.000
128	.099	1407.099	.000	.000	.000	.000	.000	.000	.000
129	.099	1412.099	.000	.000	.000	.000	.000	.000	.000
130	.099	1415.099	.000	.000	.000	.000	.000	.000	.000

133	.100	1426.100	.000	.000	.000	.000	.000	.000	.000
134	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
135	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
136	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
137	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
138	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
139	.100	1439.100	.000	.000	.000	.000	.000	.000	.000
140	.098	1444.098	.000	.000	.000	.000	.000	.000	.000
141	.099	1446.099	.000	.000	.000	.000	.000	.000	.000
142	.100	1447.100	.000	.000	.000	.000	.000	.000	.000
143	.100	1451.100	.000	.000	.000	.000	.000	.000	.000
144	.100	1453.100	.000	.000	.000	.000	.000	.000	.000
145	.719	1378.719	.000	-.078	.078	.008	.056	.000	-36.798
146	.088	1381.088	.000	.000	.000	.000	.000	.000	.000
147	.100	1384.100	.000	.000	.000	.000	.000	.000	.000
148	.098	1389.098	.000	.000	.000	.000	.000	.000	.000
149	.098	1394.098	.000	.000	.000	.000	.000	.000	.000
150	.097	1400.097	.000	.000	.000	.000	.000	.000	.000
151	.099	1402.099	.000	.000	.000	.000	.000	.000	.000
152	.100	1406.100	.000	.000	.000	.000	.000	.000	.000
153	.097	1410.097	.000	.000	.000	.000	.000	.000	.000
154	.100	1413.099	.000	.000	.000	.000	.000	.000	.000
155	.098	1417.098	.000	.000	.000	.000	.000	.000	.000
156	.098	1421.098	.000	.000	.000	.000	.000	.000	.000
157	.099	1424.099	.000	.000	.000	.000	.000	.000	.000
158	.100	1424.100	.000	.000	.000	.000	.000	.000	.000
159	.098	1426.098	.000	.000	.000	.000	.000	.000	.000
160	.100	1428.100	.000	.000	.000	.000	.000	.000	.000
161	.098	1430.098	.000	.000	.000	.000	.000	.000	.000
162	.102	1433.102	.000	.000	.000	.000	.000	.000	.000
163	.099	1437.099	.000	.000	.000	.000	.000	.000	.000
164	.097	1441.097	.000	.000	.000	.000	.000	.000	.000
165	.099	1443.099	.000	.000	.000	.000	.000	.000	.000
166	.099	1445.099	.000	.000	.000	.000	.000	.000	.000
167	.099	1448.099	.000	.000	.000	.000	.000	.000	.000
168	.098	1452.098	.000	.000	.000	.000	.000	.000	.000
169	.708	1378.708	.000	-.079	.079	.008	.056	.000	-36.798
170	.016	1381.016	.000	.000	.000	.000	.000	.000	.000
171	.100	1384.100	.000	.000	.000	.000	.000	.000	.000
172	.016	1388.016	.000	.000	.000	.000	.000	.000	.000
173	.159	1392.159	-.416	.000	.416	.092	.066	-43.732	.000
174	.113	1397.113	-1.187	.000	1.187	.311	.134	-88.743	.000
175	.181	1401.181	-.751	.000	.751	.156	.136	-89.607	.000
176	.115	1405.115	-1.375	.000	1.375	.358	.158	-103.998	.000
177	.260	1408.260	-.346	.000	.346	.060	.090	-59.402	.000
178	.097	1411.097	.000	.000	.000	.000	.000	.000	.000
179	.100	1415.100	.000	.000	.000	.000	.000	.000	.000
180	.098	1417.098	.000	.000	.000	.000	.000	.000	.000
181	.098	1418.098	.000	.000	.000	.000	.000	.000	.000
182	.099	1421.099	.000	.000	.000	.000	.000	.000	.000
183	.099	1423.099	.000	.000	.000	.000	.000	.000	.000
184	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
185	.100	1427.100	.000	.000	.000	.000	.000	.000	.000
186	.097	1433.097	.000	.000	.000	.000	.000	.000	.000
187	.101	1435.101	.000	.000	.000	.000	.000	.000	.000
188	.099	1437.099	.000	.000	.000	.000	.000	.000	.000
189	.099	1440.099	.000	.000	.000	.000	.000	.000	.000
190	.099	1442.099	.000	.000	.000	.000	.000	.000	.000
191	.100	1445.100	.000	.000	.000	.000	.000	.000	.000
192	.099	1448.099	.000	.000	.000	.000	.000	.000	.000
193	.232	1407.232	-.415	.000	.415	.076	.096	-63.445	.000
194	.134	1411.134	-.717	.000	.717	.173	.096	-63.445	.000
195	.097	1412.097	.000	.000	.000	.000	.000	.000	.000
196	.099	1415.099	.000	.000	.000	.000	.000	.000	.000

199	.099	1423.099	.000	.000	.000	.000	.000	.000	.000
200	.099	1427.099	.000	.000	.000	.000	.000	.000	.000
201	.097	1430.097	.000	.000	.000	.000	.000	.000	.000
202	.097	1433.097	.000	.000	.000	.000	.000	.000	.000
203	.100	1435.100	.000	.000	.000	.000	.000	.000	.000
204	.099	1437.099	.000	.000	.000	.000	.000	.000	.000
205	.100	1439.100	.000	.000	.000	.000	.000	.000	.000
206	.099	1443.099	.000	.000	.000	.000	.000	.000	.000
207	.100	1444.100	.000	.000	.000	.000	.000	.000	.000
208	.268	1410.268	-.311	.000	.311	.053	.083	-54.855	.000
209	.101	1413.101	-1.295	.000	1.295	.358	.131	-86.634	.000
210	.190	1415.190	-.633	.000	.633	.128	.120	-79.387	.000
211	.117	1419.117	-.615	.000	.615	.158	.072	-47.608	.000
212	.097	1422.097	.000	.000	.000	.000	.000	.000	.000
213	.100	1425.100	.000	.000	.000	.000	.000	.000	.000
214	.098	1427.098	.000	.000	.000	.000	.000	.000	.000
215	.098	1430.098	.000	.000	.000	.000	.000	.000	.000
216	.099	1432.099	.000	.000	.000	.000	.000	.000	.000
217	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
218	.098	1439.098	.000	.000	.000	.000	.000	.000	.000
219	.100	1440.100	.000	.000	.000	.000	.000	.000	.000
220	.100	1441.100	.000	.000	.000	.000	.000	.000	.000
221	.516	1420.516	.000	.000	.000	.000	.000	.000	.000
222	.094	1423.094	.000	.000	.000	.000	.000	.000	.000
223	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
224	.099	1428.099	.000	.000	.000	.000	.000	.000	.000
225	.099	1431.099	.000	.000	.000	.000	.000	.000	.000
226	.100	1434.100	.000	.000	.000	.000	.000	.000	.000
227	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
228	.100	1437.100	.000	.000	.000	.000	.000	.000	.000
229	.098	1439.098	.000	.000	.000	.000	.000	.000	.000
230	1.100	1423.100	.000	.000	.000	.000	.000	.000	.000
231	.070	1425.070	.000	.000	.000	.000	.000	.000	.000
232	.100	1428.100	.000	.000	.000	.000	.000	.000	.000
233	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
234	.099	1432.099	.000	.000	.000	.000	.000	.000	.000
235	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
236	.099	1434.099	.000	.000	.000	.000	.000	.000	.000
237	.100	1435.100	.000	.000	.000	.000	.000	.000	.000
238	1.106	1423.106	.000	.000	.000	.000	.000	.000	.000
239	.076	1425.076	.000	.000	.000	.000	.000	.000	.000
240	.100	1427.100	.000	.000	.000	.000	.000	.000	.000
241	.099	1429.099	.000	.000	.000	.000	.000	.000	.000
242	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
243	.098	1431.098	.000	.000	.000	.000	.000	.000	.000
244	.098	1431.098	.000	.000	.000	.000	.000	.000	.000
245	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
246	.082	1424.082	.000	.000	.000	.000	.000	.000	.000
247	.114	1425.114	-.173	.000	.173	.045	.020	-12.970	.000
248	.100	1426.100	-.374	.000	.374	.104	.038	-24.819	.000
249	.100	1427.100	-.180	.000	.180	.050	.018	-11.849	.000
250	.100	1428.100	-.044	.000	.044	.012	.004	-2.904	.000
251	.135	1428.135	-.055	.000	.055	.013	.007	-4.917	.000
252	.145	1428.145	-.021	.000	.021	.005	.003	-2.013	.000
253	.098	1430.098	.000	.000	.000	.000	.000	.000	.000

MODEL TIME(HOURS) = 19.9996 INFLOW(CFS/LF) = .0000

1 N = .0350PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY

3	.098	1444.098	.000	.000	.000	.000	.000	.000	.000
4	.100	1446.100	.000	.000	.000	.000	.000	.000	.000
5	.100	1436.100	.000	.000	.000	.000	.000	.000	.000
6	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
7	.099	1437.099	.000	.000	.000	.000	.000	.000	.000
8	.100	1447.100	.000	.000	.000	.000	.000	.000	.000
9	.098	1433.098	.000	.000	.000	.000	.000	.000	.000
10	.101	1432.101	.000	.000	.000	.000	.000	.000	.000
11	.097	1436.097	.000	.000	.000	.000	.000	.000	.000
12	.099	1443.099	.000	.000	.000	.000	.000	.000	.000
13	.100	1425.100	.000	.000	.000	.000	.000	.000	.000
14	.099	1429.099	.000	.000	.000	.000	.000	.000	.000
15	.100	1430.100	.000	.000	.000	.000	.000	.000	.000
16	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
17	.099	1421.099	.000	.000	.000	.000	.000	.000	.000
18	.098	1423.098	.000	.000	.000	.000	.000	.000	.000
19	.099	1426.099	.000	.000	.000	.000	.000	.000	.000
20	.099	1431.099	.000	.000	.000	.000	.000	.000	.000
21	.100	1417.100	.000	.000	.000	.000	.000	.000	.000
22	.099	1419.099	.000	.000	.000	.000	.000	.000	.000
23	.098	1419.098	.000	.000	.000	.000	.000	.000	.000
24	.099	1423.099	.000	.000	.000	.000	.000	.000	.000
25	.100	1413.100	.000	.000	.000	.000	.000	.000	.000
26	.098	1416.098	.000	.000	.000	.000	.000	.000	.000
27	.099	1414.099	.000	.000	.000	.000	.000	.000	.000
28	.098	1418.098	.000	.000	.000	.000	.000	.000	.000
29	.098	1409.098	.000	.000	.000	.000	.000	.000	.000
30	.098	1414.098	.000	.000	.000	.000	.000	.000	.000
31	.099	1410.099	.000	.000	.000	.000	.000	.000	.000
32	.099	1415.099	.000	.000	.000	.000	.000	.000	.000
33	.101	1405.101	.000	-.413	.413	.114	.042	.000	-27.560
34	.098	1406.098	.000	.000	.000	.000	.000	.000	.000
35	.100	1407.100	.000	.000	.000	.000	.000	.000	.000
36	.099	1412.099	.000	.000	.000	.000	.000	.000	.000
37	.103	1400.103	.000	-.761	.761	.209	.078	.000	-51.609
38	.099	1402.099	.000	.000	.000	.000	.000	.000	.000
39	.099	1404.099	.000	.000	.000	.000	.000	.000	.000
40	.099	1409.099	.000	.000	.000	.000	.000	.000	.000
41	.104	1396.104	-.249	-.351	.431	.164	.045	-17.093	-24.049
42	.100	1398.100	-.260	-.363	.446	.174	.044	-17.093	-23.871
43	.098	1400.098	.000	.000	.000	.000	.000	.000	.000
44	.098	1405.098	.000	.000	.000	.000	.000	.000	.000
45	.099	1392.099	.000	.000	.000	.000	.000	.000	.000
46	.101	1394.101	.000	-.359	.359	.099	.036	.000	-23.871
47	.101	1397.101	.000	.000	.000	.000	.000	.000	.000
48	.099	1400.099	.000	.000	.000	.000	.000	.000	.000
49	.099	1389.099	.000	.000	.000	.000	.000	.000	.000
50	.099	1390.099	.000	.000	.000	.000	.000	.000	.000
51	.098	1392.098	.000	.000	.000	.000	.000	.000	.000
52	.098	1394.098	.000	.000	.000	.000	.000	.000	.000
53	.098	1399.098	.000	.000	.000	.000	.000	.000	.000
54	.097	1405.097	.000	.000	.000	.000	.000	.000	.000
55	.099	1409.099	.000	.000	.000	.000	.000	.000	.000
56	.098	1413.098	.000	.000	.000	.000	.000	.000	.000
57	.099	1417.099	.000	.000	.000	.000	.000	.000	.000
58	.099	1422.099	.000	.000	.000	.000	.000	.000	.000
59	.099	1427.099	.000	.000	.000	.000	.000	.000	.000
60	.100	1431.100	.000	.000	.000	.000	.000	.000	.000
61	.100	1435.100	.000	.000	.000	.000	.000	.000	.000
62	.099	1438.099	.000	.000	.000	.000	.000	.000	.000
63	.099	1441.099	.000	.000	.000	.000	.000	.000	.000
64	.098	1445.098	.000	.000	.000	.000	.000	.000	.000
65	.100	1447.100	.000	.000	.000	.000	.000	.000	.000
66	.100	1450.100	.000	.000	.000	.000	.000	.000	.000

69	.097	1455.097	.000	.000	.000	.000	.000	.000	.000
70	.098	1458.098	.000	.000	.000	.000	.000	.000	.000
71	.099	1461.099	.000	.000	.000	.000	.000	.000	.000
72	.099	1463.099	.000	.000	.000	.000	.000	.000	.000
73	.099	1386.099	-.183	-.359	.403	.151	.040	-11.968	-23.528
74	.099	1387.099	-.183	-.324	.372	.142	.037	-11.968	-21.215
75	.100	1389.100	.000	.000	.000	.000	.000	.000	.000
76	.097	1393.097	.000	.000	.000	.000	.000	.000	.000
77	.100	1397.100	.000	.000	.000	.000	.000	.000	.000
78	.099	1402.099	.000	.000	.000	.000	.000	.000	.000
79	.098	1407.098	.000	.000	.000	.000	.000	.000	.000
80	.099	1412.099	.000	.000	.000	.000	.000	.000	.000
81	.100	1418.100	.000	.000	.000	.000	.000	.000	.000
82	.100	1422.100	.000	.000	.000	.000	.000	.000	.000
83	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
84	.099	1428.099	.000	.000	.000	.000	.000	.000	.000
85	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
86	.098	1435.098	.000	.000	.000	.000	.000	.000	.000
87	.100	1438.100	.000	.000	.000	.000	.000	.000	.000
88	.099	1441.099	.000	.000	.000	.000	.000	.000	.000
89	.100	1443.100	.000	.000	.000	.000	.000	.000	.000
90	.100	1446.100	.000	.000	.000	.000	.000	.000	.000
91	.099	1446.099	.000	.000	.000	.000	.000	.000	.000
92	.102	1448.102	-.308	-.349	.465	.181	.048	-20.777	-23.535
93	.101	1451.101	-.312	-.254	.403	.157	.041	-20.777	-16.921
94	.099	1456.099	.000	.000	.000	.000	.000	.000	.000
95	.098	1458.098	.000	.000	.000	.000	.000	.000	.000
96	.100	1459.100	.000	.000	.000	.000	.000	.000	.000
97	.103	1382.103	-.250	-.345	.426	.163	.044	-17.062	-23.528
98	.104	1384.104	-.560	-.556	.789	.305	.082	-38.413	-38.145
99	.100	1387.100	-.323	-.182	.371	.141	.037	-21.351	-12.020
100	.099	1391.099	.000	.000	.000	.000	.000	.000	.000
101	.099	1397.099	.000	.000	.000	.000	.000	.000	.000
102	.099	1403.099	.000	.000	.000	.000	.000	.000	.000
103	.100	1407.100	.000	.000	.000	.000	.000	.000	.000
104	.098	1413.098	.000	.000	.000	.000	.000	.000	.000
105	.101	1416.101	.000	.000	.000	.000	.000	.000	.000
106	.098	1419.098	.000	.000	.000	.000	.000	.000	.000
107	.099	1422.099	.000	.000	.000	.000	.000	.000	.000
108	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
109	.097	1429.097	.000	.000	.000	.000	.000	.000	.000
110	.100	1432.100	.000	.000	.000	.000	.000	.000	.000
111	.099	1434.099	.000	.000	.000	.000	.000	.000	.000
112	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
113	.099	1438.099	.000	.000	.000	.000	.000	.000	.000
114	.098	1440.098	.000	.000	.000	.000	.000	.000	.000
115	.099	1443.099	.000	.000	.000	.000	.000	.000	.000
116	.100	1445.100	.000	.000	.000	.000	.000	.000	.000
117	.100	1449.100	.000	-.257	.257	.072	.026	.000	-16.921
118	.099	1452.099	.000	.000	.000	.000	.000	.000	.000
119	.099	1454.099	.000	.000	.000	.000	.000	.000	.000
120	.100	1457.100	.000	.000	.000	.000	.000	.000	.000
121	.091	1380.091	.000	.000	.000	.000	.000	.000	.000
122	.100	1382.100	.000	-.255	.255	.071	.026	.000	-16.930
123	.101	1386.101	.000	-.180	.180	.050	.018	.000	-12.020
124	.099	1391.099	.000	.000	.000	.000	.000	.000	.000
125	.099	1396.099	.000	.000	.000	.000	.000	.000	.000
126	.099	1401.099	.000	.000	.000	.000	.000	.000	.000
127	.099	1407.099	.000	.000	.000	.000	.000	.000	.000
128	.099	1407.099	.000	.000	.000	.000	.000	.000	.000
129	.099	1412.099	.000	.000	.000	.000	.000	.000	.000
130	.099	1415.099	.000	.000	.000	.000	.000	.000	.000
131	.098	1418.098	.000	.000	.000	.000	.000	.000	.000
132	.099	1422.099	.000	.000	.000	.000	.000	.000	.000

135	.100	1430.100	.000	.000	.000	.000	.000	.000	.000
136	.100	1433.099	.000	.000	.000	.000	.000	.000	.000
137	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
138	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
139	.100	1439.100	.000	.000	.000	.000	.000	.000	.000
140	.099	1444.099	.000	.000	.000	.000	.000	.000	.000
141	.100	1446.100	.000	.000	.000	.000	.000	.000	.000
142	.100	1447.100	.000	.000	.000	.000	.000	.000	.000
143	.100	1451.100	.000	.000	.000	.000	.000	.000	.000
144	.100	1453.100	.000	.000	.000	.000	.000	.000	.000
145	.713	1378.713	.000	.000	.000	.000	.000	.000	.000
146	.090	1381.090	.000	.000	.000	.000	.000	.000	.000
147	.108	1384.108	.000	-.016	.016	.004	.002	.000	-1.125
148	.099	1389.099	.000	.000	.000	.000	.000	.000	.000
149	.099	1394.099	.000	.000	.000	.000	.000	.000	.000
150	.098	1400.098	.000	.000	.000	.000	.000	.000	.000
151	.100	1402.099	.000	.000	.000	.000	.000	.000	.000
152	.099	1406.099	.000	.000	.000	.000	.000	.000	.000
153	.097	1410.097	.000	.000	.000	.000	.000	.000	.000
154	.099	1413.099	.000	.000	.000	.000	.000	.000	.000
155	.098	1417.098	.000	.000	.000	.000	.000	.000	.000
156	.099	1421.099	.000	.000	.000	.000	.000	.000	.000
157	.098	1424.098	.000	.000	.000	.000	.000	.000	.000
158	.100	1424.100	.000	.000	.000	.000	.000	.000	.000
159	.099	1426.099	.000	.000	.000	.000	.000	.000	.000
160	.099	1428.099	.000	.000	.000	.000	.000	.000	.000
161	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
162	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
163	.098	1437.098	.000	.000	.000	.000	.000	.000	.000
164	.100	1441.100	.000	.000	.000	.000	.000	.000	.000
165	.099	1443.099	.000	.000	.000	.000	.000	.000	.000
166	.099	1445.099	.000	.000	.000	.000	.000	.000	.000
167	.099	1448.099	.000	.000	.000	.000	.000	.000	.000
168	.100	1452.100	.000	.000	.000	.000	.000	.000	.000
169	.708	1378.708	.000	.000	.000	.000	.000	.000	.000
170	.016	1381.016	.000	.000	.000	.000	.000	.000	.000
171	.100	1384.100	.000	-.017	.017	.005	.002	.000	-1.125
172	.016	1388.016	.000	.000	.000	.000	.000	.000	.000
173	.159	1392.159	-.416	.000	.416	.092	.066	-43.732	.000
174	.113	1397.113	-1.187	.000	1.187	.311	.134	-88.743	.000
175	.181	1401.181	-.751	.000	.751	.156	.136	-89.607	.000
176	.115	1405.115	-1.375	.000	1.375	.358	.158	-103.998	.000
177	.260	1408.260	-.346	.000	.346	.060	.090	-59.402	.000
178	.093	1411.093	.000	.000	.000	.000	.000	.000	.000
179	.099	1415.099	.000	.000	.000	.000	.000	.000	.000
180	.099	1417.099	.000	.000	.000	.000	.000	.000	.000
181	.099	1418.099	.000	.000	.000	.000	.000	.000	.000
182	.100	1421.100	.000	.000	.000	.000	.000	.000	.000
183	.100	1423.100	-.253	.000	.253	.070	.025	-16.733	.000
184	.099	1425.099	-.255	-.256	.362	.143	.036	-16.733	-16.765
185	.099	1427.099	.000	.000	.000	.000	.000	.000	.000
186	.100	1433.099	.000	.000	.000	.000	.000	.000	.000
187	.100	1435.100	.000	.000	.000	.000	.000	.000	.000
188	.099	1437.099	.000	.000	.000	.000	.000	.000	.000
189	.100	1440.100	-.252	.000	.252	.070	.025	-16.669	.000
190	.100	1442.100	-.564	-.310	.644	.243	.064	-37.263	-20.481
191	.098	1445.098	-.317	.000	.317	.089	.031	-20.593	.000
192	.099	1448.099	.000	.000	.000	.000	.000	.000	.000
193	.232	1407.232	-.415	.000	.415	.076	.096	-63.445	.000
194	.134	1411.134	-.717	.000	.717	.173	.096	-63.445	.000
195	.096	1412.096	.000	.000	.000	.000	.000	.000	.000
196	.099	1415.099	.000	.000	.000	.000	.000	.000	.000
197	.098	1418.098	.000	.000	.000	.000	.000	.000	.000
198	.100	1420.099	.000	.000	.000	.000	.000	.000	.000

201	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
202	.100	1433.100	.000	.000	.000	.000	.000	.000	.000
203	.098	1435.098	.000	.000	.000	.000	.000	.000	.000
204	.100	1437.100	.000	.000	.000	.000	.000	.000	.000
205	.101	1439.101	.000	-.307	.307	.085	.031	.000	-20.481
206	.099	1443.099	.000	.000	.000	.000	.000	.000	.000
207	.099	1444.099	.000	.000	.000	.000	.000	.000	.000
208	.268	1410.268	-.311	.000	.311	.053	.083	-54.855	.000
209	.101	1413.101	-1.295	.000	1.295	.358	.131	-86.634	.000
210	.190	1415.190	-.633	.000	.633	.128	.120	-79.387	.000
211	.117	1419.117	-.615	.000	.615	.158	.072	-47.608	.000
212	.092	1422.092	.000	.000	.000	.000	.000	.000	.000
213	.100	1425.099	.000	.000	.000	.000	.000	.000	.000
214	.099	1427.099	.000	.000	.000	.000	.000	.000	.000
215	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
216	.099	1432.099	.000	.000	.000	.000	.000	.000	.000
217	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
218	.099	1439.099	.000	.000	.000	.000	.000	.000	.000
219	.100	1440.100	.000	.000	.000	.000	.000	.000	.000
220	.100	1441.100	.000	.000	.000	.000	.000	.000	.000
221	.516	1420.516	.000	.000	.000	.000	.000	.000	.000
222	.101	1423.101	.000	.373	.373	.104	.038	.000	24.816
223	.101	1425.101	-.311	.000	.311	.086	.031	-20.626	.000
224	.101	1428.101	-.309	.000	.309	.086	.031	-20.626	.000
225	.098	1431.099	.000	.000	.000	.000	.000	.000	.000
226	.100	1434.100	.000	.000	.000	.000	.000	.000	.000
227	.098	1436.098	.000	.000	.000	.000	.000	.000	.000
228	.100	1437.100	.000	.000	.000	.000	.000	.000	.000
229	.100	1439.100	.000	.000	.000	.000	.000	.000	.000
230	1.108	1423.108	.000	.034	.034	.003	.038	.000	24.816
231	.071	1425.071	.000	.000	.000	.000	.000	.000	.000
232	.100	1428.100	.000	.000	.000	.000	.000	.000	.000
233	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
234	.099	1432.099	.000	.000	.000	.000	.000	.000	.000
235	.098	1433.098	.000	.000	.000	.000	.000	.000	.000
236	.100	1434.100	.000	.000	.000	.000	.000	.000	.000
237	.100	1435.100	.000	.000	.000	.000	.000	.000	.000
238	1.110	1423.110	.000	.000	.000	.000	.000	.000	.000
239	.077	1425.077	.000	.000	.000	.000	.000	.000	.000
240	.100	1427.100	.000	.000	.000	.000	.000	.000	.000
241	.100	1429.100	.000	.000	.000	.000	.000	.000	.000
242	.100	1430.100	.000	.000	.000	.000	.000	.000	.000
243	.098	1431.098	.000	.000	.000	.000	.000	.000	.000
244	.099	1431.099	.000	.000	.000	.000	.000	.000	.000
245	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
246	.082	1424.082	.000	.000	.000	.000	.000	.000	.000
247	.107	1425.107	.000	.000	.000	.000	.000	.000	.000
248	.099	1426.099	.000	.000	.000	.000	.000	.000	.000
249	.101	1427.101	-.177	.000	.177	.049	.018	-11.746	.000
250	.100	1428.099	-.210	.000	.210	.059	.021	-13.804	.000
251	.122	1428.122	-.026	.000	.026	.006	.003	-2.058	.000
252	.129	1428.129	.000	.000	.000	.000	.000	.000	.000
253	.100	1430.100	.000	.000	.000	.000	.000	.000	.000

MODEL TIME(HOURS) = 20.9995 INFLOW(CFS/LF) = .0000

1 N = .035OPEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.099	1440.099	.000	.000	.000	.000	.000	.000	.000
2	.099	1438.099	.000	.000	.000	.000	.000	.000	.000

4	.100	1436.099	.000	.000	.000	.000	.000	.000	.000
5	.100	1436.100	.000	.000	.000	.000	.000	.000	.000
6	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
7	.099	1437.099	.000	.000	.000	.000	.000	.000	.000
8	.097	1447.097	.000	.000	.000	.000	.000	.000	.000
9	.097	1433.097	.000	.000	.000	.000	.000	.000	.000
10	.100	1432.100	.000	.000	.000	.000	.000	.000	.000
11	.097	1436.097	.000	.000	.000	.000	.000	.000	.000
12	.100	1443.100	.000	.000	.000	.000	.000	.000	.000
13	.100	1425.100	.000	.000	.000	.000	.000	.000	.000
14	.100	1429.100	.000	.000	.000	.000	.000	.000	.000
15	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
16	.098	1435.098	.000	.000	.000	.000	.000	.000	.000
17	.099	1421.099	.000	.000	.000	.000	.000	.000	.000
18	.098	1423.098	.000	.000	.000	.000	.000	.000	.000
19	.099	1426.099	.000	.000	.000	.000	.000	.000	.000
20	.098	1431.098	.000	.000	.000	.000	.000	.000	.000
21	.098	1417.098	.000	.000	.000	.000	.000	.000	.000
22	.099	1419.099	.000	.000	.000	.000	.000	.000	.000
23	.100	1419.100	.000	.000	.000	.000	.000	.000	.000
24	.099	1423.099	.000	.000	.000	.000	.000	.000	.000
25	.099	1413.099	.000	.000	.000	.000	.000	.000	.000
26	.099	1416.099	.000	.000	.000	.000	.000	.000	.000
27	.101	1414.101	.000	.000	.000	.000	.000	.000	.000
28	.098	1418.098	.000	.000	.000	.000	.000	.000	.000
29	.100	1409.100	.000	.000	.000	.000	.000	.000	.000
30	.099	1414.099	.000	.000	.000	.000	.000	.000	.000
31	.098	1410.098	.000	.000	.000	.000	.000	.000	.000
32	.098	1415.098	.000	.000	.000	.000	.000	.000	.000
33	.099	1405.099	.000	-.418	.418	.117	.041	.000	-27.157
34	.099	1406.099	.000	.000	.000	.000	.000	.000	.000
35	.099	1407.099	.000	.000	.000	.000	.000	.000	.000
36	.098	1412.098	.000	.000	.000	.000	.000	.000	.000
37	.104	1400.104	.000	-.752	.752	.206	.078	.000	-51.417
38	.099	1402.099	.000	.000	.000	.000	.000	.000	.000
39	.099	1404.099	.000	.000	.000	.000	.000	.000	.000
40	.098	1409.098	.000	.000	.000	.000	.000	.000	.000
41	.103	1396.103	.000	-.358	.358	.099	.037	.000	-24.260
42	.097	1398.098	.000	.000	.000	.000	.000	.000	.000
43	.098	1400.098	.000	.000	.000	.000	.000	.000	.000
44	.097	1405.097	.000	.000	.000	.000	.000	.000	.000
45	.099	1392.099	.000	.000	.000	.000	.000	.000	.000
46	.098	1394.098	.000	.000	.000	.000	.000	.000	.000
47	.100	1397.100	.000	.000	.000	.000	.000	.000	.000
48	.099	1400.099	.000	.000	.000	.000	.000	.000	.000
49	.098	1389.099	.000	-.318	.318	.089	.031	.000	-20.657
50	.098	1390.098	.000	.000	.000	.000	.000	.000	.000
51	.099	1392.099	.000	.000	.000	.000	.000	.000	.000
52	.099	1394.099	.000	.000	.000	.000	.000	.000	.000
53	.100	1399.100	.000	.000	.000	.000	.000	.000	.000
54	.098	1405.098	.000	.000	.000	.000	.000	.000	.000
55	.099	1409.099	.000	.000	.000	.000	.000	.000	.000
56	.100	1413.099	.000	.000	.000	.000	.000	.000	.000
57	.100	1417.100	.000	.000	.000	.000	.000	.000	.000
58	.098	1422.099	.000	.000	.000	.000	.000	.000	.000
59	.099	1427.099	.000	.000	.000	.000	.000	.000	.000
60	.099	1431.099	.000	.000	.000	.000	.000	.000	.000
61	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
62	.099	1438.099	.000	.000	.000	.000	.000	.000	.000
63	.100	1441.100	.000	.000	.000	.000	.000	.000	.000
64	.100	1445.100	.000	.000	.000	.000	.000	.000	.000
65	.100	1447.100	.000	.000	.000	.000	.000	.000	.000
66	.099	1450.099	.000	.000	.000	.000	.000	.000	.000
67	.098	1449.099	.000	.000	.000	.000	.000	.000	.000
68	.099	1452.099	.000	.000	.000	.000	.000	.000	.000

71	.098	1461.098	.000	.000	.000	.000	.000	.000	.000
72	.099	1463.099	.000	.000	.000	.000	.000	.000	.000
73	.101	1386.101	.000	-.699	.699	.193	.071	.000	-46.732
74	.100	1387.100	.000	.000	.000	.000	.000	.000	.000
75	.098	1389.098	.000	.000	.000	.000	.000	.000	.000
76	.100	1393.100	.000	.000	.000	.000	.000	.000	.000
77	.099	1397.099	.000	.000	.000	.000	.000	.000	.000
78	.099	1402.099	.000	.000	.000	.000	.000	.000	.000
79	.098	1407.098	.000	.000	.000	.000	.000	.000	.000
80	.098	1412.099	.000	.000	.000	.000	.000	.000	.000
81	.098	1418.098	.000	.000	.000	.000	.000	.000	.000
82	.099	1422.099	.000	.000	.000	.000	.000	.000	.000
83	.100	1425.100	.000	.000	.000	.000	.000	.000	.000
84	.099	1428.099	.000	.000	.000	.000	.000	.000	.000
85	.097	1433.097	.000	.000	.000	.000	.000	.000	.000
86	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
87	.099	1438.099	.000	.000	.000	.000	.000	.000	.000
88	.096	1441.096	.000	.000	.000	.000	.000	.000	.000
89	.099	1443.099	.000	.000	.000	.000	.000	.000	.000
90	.099	1446.099	.000	.000	.000	.000	.000	.000	.000
91	.102	1446.102	.000	.000	.000	.000	.000	.000	.000
92	.099	1448.099	.000	.000	.000	.000	.000	.000	.000
93	.100	1451.100	.000	.000	.000	.000	.000	.000	.000
94	.099	1456.099	.000	.000	.000	.000	.000	.000	.000
95	.098	1458.098	.000	.000	.000	.000	.000	.000	.000
96	.100	1459.100	.000	.000	.000	.000	.000	.000	.000
97	.112	1382.112	.000	-.589	.589	.155	.066	.000	-43.576
98	.098	1384.098	.000	.000	.000	.000	.000	.000	.000
99	.099	1387.099	.000	.000	.000	.000	.000	.000	.000
100	.098	1391.098	.000	.000	.000	.000	.000	.000	.000
101	.100	1397.100	.000	.000	.000	.000	.000	.000	.000
102	.099	1403.099	.000	.000	.000	.000	.000	.000	.000
103	.100	1407.100	.000	.000	.000	.000	.000	.000	.000
104	.096	1413.096	.000	.000	.000	.000	.000	.000	.000
105	.100	1416.100	.000	.000	.000	.000	.000	.000	.000
106	.099	1419.099	.000	.000	.000	.000	.000	.000	.000
107	.098	1422.098	.000	.000	.000	.000	.000	.000	.000
108	.098	1425.098	.000	.000	.000	.000	.000	.000	.000
109	.100	1429.100	.000	.000	.000	.000	.000	.000	.000
110	.099	1432.099	.000	.000	.000	.000	.000	.000	.000
111	.100	1434.100	.000	.000	.000	.000	.000	.000	.000
112	.097	1436.097	.000	.000	.000	.000	.000	.000	.000
113	.099	1438.099	.000	.000	.000	.000	.000	.000	.000
114	.100	1440.100	.000	.000	.000	.000	.000	.000	.000
115	.098	1443.098	.000	.000	.000	.000	.000	.000	.000
116	.100	1445.100	.000	.000	.000	.000	.000	.000	.000
117	.098	1449.098	.000	.000	.000	.000	.000	.000	.000
118	.100	1452.099	.000	.000	.000	.000	.000	.000	.000
119	.099	1454.099	.000	.000	.000	.000	.000	.000	.000
120	.099	1457.099	.000	.000	.000	.000	.000	.000	.000
121	.096	1380.096	.000	-.276	.276	.079	.027	.000	-17.501
122	.102	1382.102	.000	.000	.000	.000	.000	.000	.000
123	.098	1386.098	.000	.000	.000	.000	.000	.000	.000
124	.100	1391.100	.000	.000	.000	.000	.000	.000	.000
125	.100	1396.100	.000	.000	.000	.000	.000	.000	.000
126	.099	1401.099	.000	.000	.000	.000	.000	.000	.000
127	.096	1407.096	.000	.000	.000	.000	.000	.000	.000
128	.100	1407.100	.000	.000	.000	.000	.000	.000	.000
129	.098	1412.098	.000	.000	.000	.000	.000	.000	.000
130	.099	1415.099	.000	.000	.000	.000	.000	.000	.000
131	.099	1418.099	.000	.000	.000	.000	.000	.000	.000
132	.098	1422.098	.000	.000	.000	.000	.000	.000	.000
133	.099	1426.099	.000	.000	.000	.000	.000	.000	.000
134	.099	1430.099	.000	.000	.000	.000	.000	.000	.000

137	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
138	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
139	.098	1439.098	.000	.000	.000	.000	.000	.000	.000
140	.098	1444.098	.000	.000	.000	.000	.000	.000	.000
141	.099	1446.099	.000	.000	.000	.000	.000	.000	.000
142	.100	1447.100	.000	.000	.000	.000	.000	.000	.000
143	.099	1451.099	.000	.000	.000	.000	.000	.000	.000
144	.100	1453.100	.000	.000	.000	.000	.000	.000	.000
145	.715	1378.715	.000	.000	.000	.000	.000	.000	.000
146	.088	1381.088	.000	.000	.000	.000	.000	.000	.000
147	.109	1384.109	.000	-.017	.017	.004	.002	.000	-1.191
148	.098	1389.098	.000	.000	.000	.000	.000	.000	.000
149	.098	1394.098	.000	.000	.000	.000	.000	.000	.000
150	.099	1400.099	.000	.000	.000	.000	.000	.000	.000
151	.097	1402.097	.000	.000	.000	.000	.000	.000	.000
152	.099	1406.099	.000	.000	.000	.000	.000	.000	.000
153	.095	1410.095	.000	.000	.000	.000	.000	.000	.000
154	.099	1413.099	.000	.000	.000	.000	.000	.000	.000
155	.098	1417.098	.000	.000	.000	.000	.000	.000	.000
156	.099	1421.099	.000	.000	.000	.000	.000	.000	.000
157	.099	1424.099	.000	.000	.000	.000	.000	.000	.000
158	.098	1424.098	.000	.000	.000	.000	.000	.000	.000
159	.098	1426.098	.000	.000	.000	.000	.000	.000	.000
160	.099	1428.099	.000	.000	.000	.000	.000	.000	.000
161	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
162	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
163	.100	1437.100	.000	.000	.000	.000	.000	.000	.000
164	.100	1441.100	.000	.000	.000	.000	.000	.000	.000
165	.097	1443.098	.000	.000	.000	.000	.000	.000	.000
166	.099	1445.099	.000	.000	.000	.000	.000	.000	.000
167	.099	1448.099	.000	.000	.000	.000	.000	.000	.000
168	.099	1452.099	.000	.000	.000	.000	.000	.000	.000
169	.708	1378.708	.000	.000	.000	.000	.000	.000	.000
170	.016	1381.016	.000	.000	.000	.000	.000	.000	.000
171	.100	1384.100	.000	-.018	.018	.005	.002	.000	-1.191
172	.016	1388.016	.000	.000	.000	.000	.000	.000	.000
173	.159	1392.159	-.416	.000	.416	.092	.066	-43.732	.000
174	.113	1397.113	-1.187	.000	1.187	.311	.134	-88.743	.000
175	.181	1401.181	-.751	.000	.751	.156	.136	-89.607	.000
176	.115	1405.115	-1.375	.000	1.375	.358	.158	-103.998	.000
177	.260	1408.260	-.346	.000	.346	.060	.090	-59.402	.000
178	.094	1411.094	.000	.000	.000	.000	.000	.000	.000
179	.098	1415.098	.000	.000	.000	.000	.000	.000	.000
180	.100	1417.100	.000	.000	.000	.000	.000	.000	.000
181	.100	1418.100	.000	.000	.000	.000	.000	.000	.000
182	.099	1421.099	.000	.000	.000	.000	.000	.000	.000
183	.098	1423.098	.000	.000	.000	.000	.000	.000	.000
184	.098	1425.098	.000	.000	.000	.000	.000	.000	.000
185	.100	1427.100	.000	.000	.000	.000	.000	.000	.000
186	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
187	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
188	.099	1437.099	.000	.000	.000	.000	.000	.000	.000
189	.098	1440.098	.000	.000	.000	.000	.000	.000	.000
190	.099	1442.099	.000	.000	.000	.000	.000	.000	.000
191	.100	1445.100	.000	.000	.000	.000	.000	.000	.000
192	.099	1448.099	.000	.000	.000	.000	.000	.000	.000
193	.232	1407.232	-.415	.000	.415	.076	.096	-63.445	.000
194	.134	1411.134	-.717	.000	.717	.173	.096	-63.445	.000
195	.097	1412.097	.000	.000	.000	.000	.000	.000	.000
196	.097	1415.097	.000	.000	.000	.000	.000	.000	.000
197	.096	1418.096	.000	.000	.000	.000	.000	.000	.000
198	.100	1420.100	.000	.000	.000	.000	.000	.000	.000
199	.099	1423.099	.000	.000	.000	.000	.000	.000	.000
200	.099	1427.099	.000	.000	.000	.000	.000	.000	.000

203	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
204	.097	1437.098	.000	.000	.000	.000	.000	.000	.000
205	.100	1439.100	.000	.000	.000	.000	.000	.000	.000
206	.098	1443.098	.000	.000	.000	.000	.000	.000	.000
207	.100	1444.100	.000	.000	.000	.000	.000	.000	.000
208	.268	1410.268	-.311	.000	.311	.053	.083	-54.855	.000
209	.101	1413.101	-1.295	.000	1.295	.358	.131	-86.634	.000
210	.190	1415.190	-.633	.000	.633	.128	.120	-79.387	.000
211	.117	1419.117	-.615	.000	.615	.158	.072	-47.608	.000
212	.093	1422.093	.000	.000	.000	.000	.000	.000	.000
213	.100	1425.099	.000	.000	.000	.000	.000	.000	.000
214	.099	1427.099	.000	.000	.000	.000	.000	.000	.000
215	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
216	.099	1432.099	.000	.000	.000	.000	.000	.000	.000
217	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
218	.099	1439.099	.000	.000	.000	.000	.000	.000	.000
219	.099	1440.099	.000	.000	.000	.000	.000	.000	.000
220	.100	1441.100	.000	.000	.000	.000	.000	.000	.000
221	.516	1420.516	-.363	.000	.363	.044	.187	-123.434	.000
222	.093	1423.093	-2.011	.391	2.049	.468	.191	-123.434	23.984
223	.100	1425.100	.000	.000	.000	.000	.000	.000	.000
224	.099	1428.099	.000	.000	.000	.000	.000	.000	.000
225	.100	1431.100	.000	.000	.000	.000	.000	.000	.000
226	.099	1434.099	.000	.000	.000	.000	.000	.000	.000
227	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
228	.099	1437.099	.000	.000	.000	.000	.000	.000	.000
229	.099	1439.099	.000	.000	.000	.000	.000	.000	.000
230	1.109	1423.109	.000	.033	.033	.003	.036	.000	23.984
231	.073	1425.073	.000	.000	.000	.000	.000	.000	.000
232	.100	1428.100	.000	.000	.000	.000	.000	.000	.000
233	.100	1430.099	.000	.000	.000	.000	.000	.000	.000
234	.099	1432.099	.000	.000	.000	.000	.000	.000	.000
235	.098	1433.098	.000	.000	.000	.000	.000	.000	.000
236	.099	1434.099	.000	.000	.000	.000	.000	.000	.000
237	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
238	1.112	1423.112	.000	.000	.000	.000	.000	.000	.000
239	.079	1425.079	.000	.000	.000	.000	.000	.000	.000
240	.100	1427.100	.000	.000	.000	.000	.000	.000	.000
241	.099	1429.099	.000	.000	.000	.000	.000	.000	.000
242	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
243	.100	1431.100	.000	.000	.000	.000	.000	.000	.000
244	.100	1431.100	.000	.000	.000	.000	.000	.000	.000
245	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
246	.082	1424.082	.000	.000	.000	.000	.000	.000	.000
247	.106	1425.106	.000	.000	.000	.000	.000	.000	.000
248	.100	1426.100	.000	.000	.000	.000	.000	.000	.000
249	.099	1427.099	.000	.000	.000	.000	.000	.000	.000
250	.100	1428.100	-.025	.000	.025	.007	.003	-1.670	.000
251	.116	1428.116	-.041	.000	.041	.011	.005	-3.128	.000
252	.124	1428.124	-.018	.000	.018	.004	.002	-1.458	.000
253	.099	1430.099	.000	.000	.000	.000	.000	.000	.000

MODEL TIME(HOURS) = 21.9993 INFLOW(CFS/LF) = .0000

1 N = .0350PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.098	1440.098	.000	.000	.000	.000	.000	.000	.000
2	.099	1438.099	.000	.000	.000	.000	.000	.000	.000
3	.098	1444.099	.000	.000	.000	.000	.000	.000	.000
4	.101	1446.101	.000	.000	.000	.000	.000	.000	.000

7	.100	1437.100	.000	.000	.000	.000	.000	.000	.000
8	.099	1447.099	.000	.000	.000	.000	.000	.000	.000
9	.098	1433.098	.000	.000	.000	.000	.000	.000	.000
10	.099	1432.099	.000	.000	.000	.000	.000	.000	.000
11	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
12	.099	1443.099	.000	.000	.000	.000	.000	.000	.000
13	.098	1425.098	.000	-.362	.362	.102	.036	.000	-23.485
14	.098	1429.098	.000	.000	.000	.000	.000	.000	.000
15	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
16	.098	1435.098	.000	.000	.000	.000	.000	.000	.000
17	.102	1421.102	.000	-.349	.349	.096	.036	.000	-23.485
18	.099	1423.099	.000	.000	.000	.000	.000	.000	.000
19	.100	1426.100	.000	.000	.000	.000	.000	.000	.000
20	.097	1431.097	.000	.000	.000	.000	.000	.000	.000
21	.099	1417.099	.000	.000	.000	.000	.000	.000	.000
22	.100	1419.100	.000	.000	.000	.000	.000	.000	.000
23	.099	1419.099	.000	.000	.000	.000	.000	.000	.000
24	.099	1423.099	.000	.000	.000	.000	.000	.000	.000
25	.100	1413.100	.000	.000	.000	.000	.000	.000	.000
26	.098	1416.098	.000	.000	.000	.000	.000	.000	.000
27	.099	1414.099	.000	.000	.000	.000	.000	.000	.000
28	.098	1418.098	.000	.000	.000	.000	.000	.000	.000
29	.100	1409.099	.000	.000	.000	.000	.000	.000	.000
30	.095	1414.095	.000	.000	.000	.000	.000	.000	.000
31	.099	1410.099	.000	.000	.000	.000	.000	.000	.000
32	.099	1415.099	.000	.000	.000	.000	.000	.000	.000
33	.100	1405.100	.000	.000	.000	.000	.000	.000	.000
34	.099	1406.099	.000	.000	.000	.000	.000	.000	.000
35	.100	1407.100	.000	.000	.000	.000	.000	.000	.000
36	.099	1412.099	.000	.000	.000	.000	.000	.000	.000
37	.099	1400.099	.000	.000	.000	.000	.000	.000	.000
38	.100	1402.100	.000	.000	.000	.000	.000	.000	.000
39	.100	1404.100	.000	.000	.000	.000	.000	.000	.000
40	.099	1409.099	.000	.000	.000	.000	.000	.000	.000
41	.099	1396.099	.000	.000	.000	.000	.000	.000	.000
42	.099	1398.099	.000	.000	.000	.000	.000	.000	.000
43	.099	1400.099	.000	.000	.000	.000	.000	.000	.000
44	.099	1405.099	.000	.000	.000	.000	.000	.000	.000
45	.099	1392.099	.000	.000	.000	.000	.000	.000	.000
46	.098	1394.098	.000	.000	.000	.000	.000	.000	.000
47	.099	1397.099	.000	.000	.000	.000	.000	.000	.000
48	.100	1400.100	.000	.000	.000	.000	.000	.000	.000
49	.100	1389.100	.000	.000	.000	.000	.000	.000	.000
50	.100	1390.100	.000	.000	.000	.000	.000	.000	.000
51	.099	1392.099	.000	.000	.000	.000	.000	.000	.000
52	.100	1394.100	.000	.000	.000	.000	.000	.000	.000
53	.100	1399.100	.000	.000	.000	.000	.000	.000	.000
54	.100	1405.100	.000	.000	.000	.000	.000	.000	.000
55	.100	1409.100	.000	.000	.000	.000	.000	.000	.000
56	.100	1413.100	.000	.000	.000	.000	.000	.000	.000
57	.100	1417.100	.000	.000	.000	.000	.000	.000	.000
58	.100	1422.100	.000	.000	.000	.000	.000	.000	.000
59	.099	1427.099	.000	.000	.000	.000	.000	.000	.000
60	.100	1431.100	.000	.000	.000	.000	.000	.000	.000
61	.097	1435.097	.000	.000	.000	.000	.000	.000	.000
62	.099	1438.099	.000	.000	.000	.000	.000	.000	.000
63	.099	1441.099	.000	.000	.000	.000	.000	.000	.000
64	.099	1445.099	.000	.000	.000	.000	.000	.000	.000
65	.100	1447.100	.000	.000	.000	.000	.000	.000	.000
66	.099	1450.099	.000	.000	.000	.000	.000	.000	.000
67	.100	1449.100	.000	.000	.000	.000	.000	.000	.000
68	.099	1452.099	.000	.000	.000	.000	.000	.000	.000
69	.100	1455.099	.000	.000	.000	.000	.000	.000	.000
70	.100	1458.100	.000	.000	.000	.000	.000	.000	.000

73	.099	1386.099	.000	.000	.000	.000	.000	.000	.000
74	.100	1387.100	.000	.000	.000	.000	.000	.000	.000
75	.099	1389.099	.000	.000	.000	.000	.000	.000	.000
76	.097	1393.097	.000	.000	.000	.000	.000	.000	.000
77	.099	1397.099	.000	.000	.000	.000	.000	.000	.000
78	.099	1402.099	.000	.000	.000	.000	.000	.000	.000
79	.098	1407.098	.000	.000	.000	.000	.000	.000	.000
80	.099	1412.099	.000	.000	.000	.000	.000	.000	.000
81	.100	1418.100	.000	.000	.000	.000	.000	.000	.000
82	.099	1422.099	.000	.000	.000	.000	.000	.000	.000
83	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
84	.099	1428.099	.000	.000	.000	.000	.000	.000	.000
85	.100	1433.100	.000	.000	.000	.000	.000	.000	.000
86	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
87	.098	1438.099	.000	.000	.000	.000	.000	.000	.000
88	.098	1441.098	.000	.000	.000	.000	.000	.000	.000
89	.100	1443.100	.000	.000	.000	.000	.000	.000	.000
90	.098	1446.098	.000	.000	.000	.000	.000	.000	.000
91	.099	1446.099	.000	.000	.000	.000	.000	.000	.000
92	.100	1448.100	.000	.000	.000	.000	.000	.000	.000
93	.100	1451.100	.000	.000	.000	.000	.000	.000	.000
94	.099	1456.099	.000	.000	.000	.000	.000	.000	.000
95	.099	1458.099	.000	.000	.000	.000	.000	.000	.000
96	.099	1459.099	.000	.000	.000	.000	.000	.000	.000
97	.107	1382.107	.000	.000	.000	.000	.000	.000	.000
98	.100	1384.100	.000	.000	.000	.000	.000	.000	.000
99	.100	1387.100	.000	.000	.000	.000	.000	.000	.000
100	.100	1391.100	.000	.000	.000	.000	.000	.000	.000
101	.100	1397.100	.000	.000	.000	.000	.000	.000	.000
102	.098	1403.098	.000	.000	.000	.000	.000	.000	.000
103	.099	1407.099	.000	.000	.000	.000	.000	.000	.000
104	.098	1413.098	.000	.000	.000	.000	.000	.000	.000
105	.098	1416.099	.000	.000	.000	.000	.000	.000	.000
106	.098	1419.098	.000	.000	.000	.000	.000	.000	.000
107	.099	1422.099	.000	.000	.000	.000	.000	.000	.000
108	.100	1425.100	.000	.000	.000	.000	.000	.000	.000
109	.100	1429.099	.000	.000	.000	.000	.000	.000	.000
110	.099	1432.099	.000	.000	.000	.000	.000	.000	.000
111	.100	1434.099	.000	.000	.000	.000	.000	.000	.000
112	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
113	.100	1438.100	.000	.000	.000	.000	.000	.000	.000
114	.099	1440.099	.000	.000	.000	.000	.000	.000	.000
115	.099	1443.099	.000	.000	.000	.000	.000	.000	.000
116	.099	1445.099	.000	.000	.000	.000	.000	.000	.000
117	.099	1449.099	.000	.000	.000	.000	.000	.000	.000
118	.099	1452.099	.000	.000	.000	.000	.000	.000	.000
119	.100	1454.099	.000	.000	.000	.000	.000	.000	.000
120	.098	1457.098	.000	.000	.000	.000	.000	.000	.000
121	.092	1380.092	.000	.000	.000	.000	.000	.000	.000
122	.100	1382.100	.000	.000	.000	.000	.000	.000	.000
123	.100	1386.100	.000	.000	.000	.000	.000	.000	.000
124	.099	1391.099	.000	.000	.000	.000	.000	.000	.000
125	.099	1396.099	.000	.000	.000	.000	.000	.000	.000
126	.099	1401.099	.000	.000	.000	.000	.000	.000	.000
127	.098	1407.098	.000	.000	.000	.000	.000	.000	.000
128	.100	1407.099	.000	.000	.000	.000	.000	.000	.000
129	.098	1412.098	.000	.000	.000	.000	.000	.000	.000
130	.097	1415.097	.000	.000	.000	.000	.000	.000	.000
131	.099	1418.099	.000	.000	.000	.000	.000	.000	.000
132	.098	1422.098	.000	.000	.000	.000	.000	.000	.000
133	.098	1426.098	.000	.000	.000	.000	.000	.000	.000
134	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
135	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
136	.098	1433.098	.000	.000	.000	.000	.000	.000	.000

139	.099	1439.099	.000	.000	.000	.000	.000	.000	.000
140	.099	1444.099	.000	.000	.000	.000	.000	.000	.000
141	.098	1446.098	.000	.000	.000	.000	.000	.000	.000
142	.100	1447.100	.000	.000	.000	.000	.000	.000	.000
143	.099	1451.099	.000	.000	.000	.000	.000	.000	.000
144	.099	1453.099	.000	.000	.000	.000	.000	.000	.000
145	.715	1378.715	.000	.000	.000	.000	.000	.000	.000
146	.090	1381.090	.000	.000	.000	.000	.000	.000	.000
147	.107	1384.107	.000	.000	.000	.000	.000	.000	.000
148	.099	1389.099	.000	.000	.000	.000	.000	.000	.000
149	.098	1394.099	.000	.000	.000	.000	.000	.000	.000
150	.099	1400.099	.000	.000	.000	.000	.000	.000	.000
151	.100	1402.100	.000	.000	.000	.000	.000	.000	.000
152	.099	1406.099	.000	.000	.000	.000	.000	.000	.000
153	.099	1410.099	.000	.000	.000	.000	.000	.000	.000
154	.099	1413.099	.000	.000	.000	.000	.000	.000	.000
155	.099	1417.099	.000	.000	.000	.000	.000	.000	.000
156	.099	1421.099	.000	.000	.000	.000	.000	.000	.000
157	.098	1424.098	.000	.000	.000	.000	.000	.000	.000
158	.099	1424.099	.000	.000	.000	.000	.000	.000	.000
159	.099	1426.099	.000	.000	.000	.000	.000	.000	.000
160	.099	1428.099	.000	.000	.000	.000	.000	.000	.000
161	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
162	.102	1433.102	-.350	.000	.350	.097	.036	-23.626	.000
163	.099	1437.099	-.363	.000	.363	.102	.036	-23.626	.000
164	.099	1441.099	.000	.000	.000	.000	.000	.000	.000
165	.098	1443.098	.000	.000	.000	.000	.000	.000	.000
166	.098	1445.099	.000	.000	.000	.000	.000	.000	.000
167	.101	1448.101	.000	.000	.000	.000	.000	.000	.000
168	.099	1452.099	.000	.000	.000	.000	.000	.000	.000
169	.708	1378.708	.000	.000	.000	.000	.000	.000	.000
170	.016	1381.016	.000	.000	.000	.000	.000	.000	.000
171	.100	1384.100	.000	.000	.000	.000	.000	.000	.000
172	.016	1388.016	.000	.000	.000	.000	.000	.000	.000
173	.159	1392.159	-.416	.000	.416	.092	.066	-43.732	.000
174	.113	1397.113	-1.187	.000	1.187	.311	.134	-88.743	.000
175	.181	1401.181	-.751	.000	.751	.156	.136	-89.607	.000
176	.115	1405.115	-1.375	.000	1.375	.358	.158	-103.998	.000
177	.260	1408.260	-.346	.000	.346	.060	.090	-59.402	.000
178	.098	1411.098	.000	.000	.000	.000	.000	.000	.000
179	.099	1415.099	.000	.000	.000	.000	.000	.000	.000
180	.098	1417.098	.000	.000	.000	.000	.000	.000	.000
181	.100	1418.100	.000	.000	.000	.000	.000	.000	.000
182	.099	1421.099	.000	.000	.000	.000	.000	.000	.000
183	.099	1423.099	.000	.000	.000	.000	.000	.000	.000
184	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
185	.100	1427.100	.000	.000	.000	.000	.000	.000	.000
186	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
187	.100	1435.100	-.258	.000	.258	.072	.026	-17.002	.000
188	.101	1437.101	-.254	-.255	.360	.141	.037	-17.002	-17.071
189	.098	1440.098	.000	.000	.000	.000	.000	.000	.000
190	.099	1442.099	.000	.000	.000	.000	.000	.000	.000
191	.098	1445.098	.000	.000	.000	.000	.000	.000	.000
192	.098	1448.098	.000	.000	.000	.000	.000	.000	.000
193	.232	1407.232	-.415	.000	.415	.076	.096	-63.445	.000
194	.134	1411.134	-.717	.000	.717	.173	.096	-63.445	.000
195	.098	1412.098	.000	.000	.000	.000	.000	.000	.000
196	.099	1415.099	.000	.000	.000	.000	.000	.000	.000
197	.099	1418.099	.000	.000	.000	.000	.000	.000	.000
198	.100	1420.100	.000	.000	.000	.000	.000	.000	.000
199	.100	1423.100	.000	.000	.000	.000	.000	.000	.000
200	.100	1427.100	.000	.000	.000	.000	.000	.000	.000
201	.098	1430.098	.000	.000	.000	.000	.000	.000	.000
202	.099	1433.099	.000	.000	.000	.000	.000	.000	.000

205	.100	1439.100	.000	.000	.000	.000	.000	.000	.000
206	.099	1443.099	.000	.000	.000	.000	.000	.000	.000
207	.099	1444.099	.000	.000	.000	.000	.000	.000	.000
208	.268	1410.268	-.311	.000	.311	.053	.083	-54.855	.000
209	.101	1413.101	-1.295	.000	1.295	.358	.131	-86.634	.000
210	.190	1415.190	-.633	.000	.633	.128	.120	-79.387	.000
211	.117	1419.117	-.615	.000	.615	.158	.072	-47.608	.000
212	.095	1422.095	.000	.000	.000	.000	.000	.000	.000
213	.101	1425.101	.000	.000	.000	.000	.000	.000	.000
214	.098	1427.099	.000	.000	.000	.000	.000	.000	.000
215	.098	1430.098	.000	.000	.000	.000	.000	.000	.000
216	.099	1432.099	.000	.000	.000	.000	.000	.000	.000
217	.100	1435.100	.000	-.252	.252	.070	.025	.000	-16.622
218	.099	1439.099	.000	.000	.000	.000	.000	.000	.000
219	.100	1440.100	.000	.000	.000	.000	.000	.000	.000
220	.099	1441.099	.000	.000	.000	.000	.000	.000	.000
221	.516	1420.516	.000	.000	.000	.000	.000	.000	.000
222	.097	1423.097	.000	.000	.000	.000	.000	.000	.000
223	.103	1425.103	.000	.000	.000	.000	.000	.000	.000
224	.099	1428.099	.000	.000	.000	.000	.000	.000	.000
225	.098	1431.099	.000	.000	.000	.000	.000	.000	.000
226	.098	1434.098	.000	.000	.000	.000	.000	.000	.000
227	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
228	.099	1437.099	.000	.000	.000	.000	.000	.000	.000
229	.099	1439.099	.000	.000	.000	.000	.000	.000	.000
230	1.103	1423.103	.000	.000	.000	.000	.000	.000	.000
231	.074	1425.074	.000	.000	.000	.000	.000	.000	.000
232	.100	1428.100	.000	.000	.000	.000	.000	.000	.000
233	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
234	.100	1432.100	-.181	.000	.181	.050	.018	-11.934	.000
235	.100	1433.100	-.180	-.254	.312	.121	.031	-11.934	-16.827
236	.099	1434.099	.000	.000	.000	.000	.000	.000	.000
237	.100	1435.100	.000	.000	.000	.000	.000	.000	.000
238	1.109	1423.109	.000	.000	.000	.000	.000	.000	.000
239	.080	1425.080	.000	.000	.000	.000	.000	.000	.000
240	.099	1427.099	.000	.000	.000	.000	.000	.000	.000
241	.100	1429.100	.000	.000	.000	.000	.000	.000	.000
242	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
243	.100	1431.100	.000	-.254	.254	.071	.025	.000	-16.827
244	.099	1431.099	.000	-.364	.364	.102	.036	.000	-23.645
245	.100	1433.100	.000	.000	.000	.000	.000	.000	.000
246	.082	1424.082	.000	.000	.000	.000	.000	.000	.000
247	.104	1425.104	-.176	.000	.176	.048	.018	-12.046	.000
248	.099	1426.099	-.184	.000	.184	.051	.018	-12.046	.000
249	.100	1427.100	.000	.000	.000	.000	.000	.000	.000
250	.100	1428.100	-.022	.000	.022	.006	.002	-1.454	.000
251	.112	1428.112	-.036	.000	.036	.010	.004	-2.679	.000
252	.121	1428.121	-.015	-.297	.297	.079	.036	-1.224	-23.645
253	.099	1430.099	.000	.000	.000	.000	.000	.000	.000

MODEL TIME(HOURS) = 22.9991 INFLOW(CFS/LF) = .0000

1 N = .0350PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.100	1440.100	.000	.000	.000	.000	.000	.000	.000
2	.099	1438.099	.000	.000	.000	.000	.000	.000	.000
3	.097	1444.097	.000	.000	.000	.000	.000	.000	.000
4	.099	1446.099	.000	.000	.000	.000	.000	.000	.000
5	.100	1436.100	.000	.000	.000	.000	.000	.000	.000
6	.099	1436.099	.000	.000	.000	.000	.000	.000	.000

9	.098	1433.098	.000	.000	.000	.000	.000	.000	.000
10	.099	1432.099	.000	.000	.000	.000	.000	.000	.000
11	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
12	.099	1443.099	.000	.000	.000	.000	.000	.000	.000
13	.098	1425.099	.000	.000	.000	.000	.000	.000	.000
14	.099	1429.099	.000	.000	.000	.000	.000	.000	.000
15	.100	1430.100	.000	.000	.000	.000	.000	.000	.000
16	.098	1435.098	.000	.000	.000	.000	.000	.000	.000
17	.098	1421.098	.000	.000	.000	.000	.000	.000	.000
18	.097	1423.097	.000	.000	.000	.000	.000	.000	.000
19	.099	1426.099	.000	.000	.000	.000	.000	.000	.000
20	.100	1431.100	.000	.000	.000	.000	.000	.000	.000
21	.100	1417.100	.000	.000	.000	.000	.000	.000	.000
22	.099	1419.099	.000	.000	.000	.000	.000	.000	.000
23	.099	1419.099	.000	.000	.000	.000	.000	.000	.000
24	.098	1423.098	.000	.000	.000	.000	.000	.000	.000
25	.102	1413.102	.000	-.365	.365	.100	.037	.000	-24.573
26	.097	1416.097	.000	.000	.000	.000	.000	.000	.000
27	.100	1414.100	.000	-.366	.366	.102	.037	.000	-24.096
28	.098	1418.098	.000	.000	.000	.000	.000	.000	.000
29	.103	1409.103	.000	-.360	.360	.099	.037	.000	-24.573
30	.097	1414.097	.000	.000	.000	.000	.000	.000	.000
31	.102	1410.102	.000	-.670	.670	.185	.068	.000	-44.925
32	.098	1415.098	.000	.000	.000	.000	.000	.000	.000
33	.098	1405.098	.000	.000	.000	.000	.000	.000	.000
34	.100	1406.100	-.179	.000	.179	.050	.018	-11.784	.000
35	.102	1407.102	-.175	-.309	.354	.133	.036	-11.784	-20.830
36	.099	1412.099	.000	.000	.000	.000	.000	.000	.000
37	.100	1400.100	.000	.000	.000	.000	.000	.000	.000
38	.098	1402.098	.000	.000	.000	.000	.000	.000	.000
39	.098	1404.098	.000	.000	.000	.000	.000	.000	.000
40	.100	1409.100	.000	.000	.000	.000	.000	.000	.000
41	.099	1396.099	.000	.000	.000	.000	.000	.000	.000
42	.098	1398.098	.000	.000	.000	.000	.000	.000	.000
43	.100	1400.100	.000	.000	.000	.000	.000	.000	.000
44	.098	1405.098	.000	.000	.000	.000	.000	.000	.000
45	.100	1392.100	.000	-.320	.320	.089	.032	.000	-21.085
46	.098	1394.098	.000	.000	.000	.000	.000	.000	.000
47	.099	1397.099	.000	.000	.000	.000	.000	.000	.000
48	.098	1400.098	.000	.000	.000	.000	.000	.000	.000
49	.103	1389.103	.000	-.623	.623	.171	.064	.000	-42.296
50	.099	1390.099	.000	.000	.000	.000	.000	.000	.000
51	.100	1392.099	.000	.000	.000	.000	.000	.000	.000
52	.100	1394.100	.000	.000	.000	.000	.000	.000	.000
53	.100	1399.100	.000	.000	.000	.000	.000	.000	.000
54	.100	1405.100	.000	.000	.000	.000	.000	.000	.000
55	.100	1409.100	.000	.000	.000	.000	.000	.000	.000
56	.100	1413.099	.000	.000	.000	.000	.000	.000	.000
57	.100	1417.100	.000	.000	.000	.000	.000	.000	.000
58	.099	1422.099	.000	.000	.000	.000	.000	.000	.000
59	.099	1427.099	.000	.000	.000	.000	.000	.000	.000
60	.099	1431.099	.000	.000	.000	.000	.000	.000	.000
61	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
62	.100	1438.100	.000	.000	.000	.000	.000	.000	.000
63	.099	1441.099	.000	.000	.000	.000	.000	.000	.000
64	.099	1445.099	.000	.000	.000	.000	.000	.000	.000
65	.098	1447.098	.000	.000	.000	.000	.000	.000	.000
66	.099	1450.099	.000	.000	.000	.000	.000	.000	.000
67	.100	1449.100	.000	.000	.000	.000	.000	.000	.000
68	.099	1452.099	.000	.000	.000	.000	.000	.000	.000
69	.099	1455.099	.000	.000	.000	.000	.000	.000	.000
70	.099	1458.099	.000	.000	.000	.000	.000	.000	.000
71	.099	1461.099	.000	.000	.000	.000	.000	.000	.000
72	.098	1463.098	.000	.000	.000	.000	.000	.000	.000

75	.099	1389.099	.000	.000	.000	.000	.000	.000	.000
76	.099	1393.099	.000	.000	.000	.000	.000	.000	.000
77	.100	1397.100	.000	.000	.000	.000	.000	.000	.000
78	.100	1402.100	.000	.000	.000	.000	.000	.000	.000
79	.099	1407.099	.000	.000	.000	.000	.000	.000	.000
80	.100	1412.100	.000	.000	.000	.000	.000	.000	.000
81	.098	1418.098	.000	.000	.000	.000	.000	.000	.000
82	.100	1422.100	.000	.000	.000	.000	.000	.000	.000
83	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
84	.100	1428.100	.000	.000	.000	.000	.000	.000	.000
85	.098	1433.098	.000	.000	.000	.000	.000	.000	.000
86	.098	1435.098	.000	.000	.000	.000	.000	.000	.000
87	.098	1438.098	.000	.000	.000	.000	.000	.000	.000
88	.098	1441.098	.000	.000	.000	.000	.000	.000	.000
89	.098	1443.098	.000	.000	.000	.000	.000	.000	.000
90	.100	1446.100	.000	.000	.000	.000	.000	.000	.000
91	.099	1446.099	.000	-.313	.313	.087	.031	.000	-20.543
92	.099	1448.099	.000	.000	.000	.000	.000	.000	.000
93	.099	1451.099	.000	.000	.000	.000	.000	.000	.000
94	.098	1456.098	.000	.000	.000	.000	.000	.000	.000
95	.100	1458.099	.000	.000	.000	.000	.000	.000	.000
96	.099	1459.099	.000	.000	.000	.000	.000	.000	.000
97	.109	1382.109	.000	-.590	.590	.157	.065	.000	-42.580
98	.099	1384.099	.000	.000	.000	.000	.000	.000	.000
99	.099	1387.099	.000	.000	.000	.000	.000	.000	.000
100	.099	1391.099	.000	.000	.000	.000	.000	.000	.000
101	.098	1397.098	.000	.000	.000	.000	.000	.000	.000
102	.097	1403.097	.000	.000	.000	.000	.000	.000	.000
103	.099	1407.099	.000	.000	.000	.000	.000	.000	.000
104	.098	1413.098	.000	.000	.000	.000	.000	.000	.000
105	.100	1416.100	.000	.000	.000	.000	.000	.000	.000
106	.099	1419.099	.000	.000	.000	.000	.000	.000	.000
107	.098	1422.099	.000	.000	.000	.000	.000	.000	.000
108	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
109	.099	1429.099	.000	.000	.000	.000	.000	.000	.000
110	.100	1432.100	.000	.000	.000	.000	.000	.000	.000
111	.099	1434.099	.000	.000	.000	.000	.000	.000	.000
112	.100	1436.100	.000	.000	.000	.000	.000	.000	.000
113	.099	1438.099	.000	.000	.000	.000	.000	.000	.000
114	.099	1440.099	.000	.000	.000	.000	.000	.000	.000
115	.102	1443.102	.000	-.306	.306	.085	.031	.000	-20.543
116	.099	1445.099	.000	.000	.000	.000	.000	.000	.000
117	.098	1449.098	.000	.000	.000	.000	.000	.000	.000
118	.101	1452.101	.000	.000	.000	.000	.000	.000	.000
119	.099	1454.099	.000	.000	.000	.000	.000	.000	.000
120	.098	1457.098	.000	.000	.000	.000	.000	.000	.000
121	.095	1380.095	.000	-.271	.271	.077	.026	.000	-16.955
122	.101	1382.101	.000	.000	.000	.000	.000	.000	.000
123	.097	1386.097	.000	.000	.000	.000	.000	.000	.000
124	.098	1391.098	.000	.000	.000	.000	.000	.000	.000
125	.100	1396.100	.000	.000	.000	.000	.000	.000	.000
126	.099	1401.099	.000	.000	.000	.000	.000	.000	.000
127	.099	1407.099	.000	.000	.000	.000	.000	.000	.000
128	.100	1407.100	.000	.000	.000	.000	.000	.000	.000
129	.099	1412.099	.000	.000	.000	.000	.000	.000	.000
130	.099	1415.099	.000	.000	.000	.000	.000	.000	.000
131	.100	1418.100	.000	.000	.000	.000	.000	.000	.000
132	.098	1422.098	.000	.000	.000	.000	.000	.000	.000
133	.098	1426.098	.000	.000	.000	.000	.000	.000	.000
134	.096	1430.096	.000	.000	.000	.000	.000	.000	.000
135	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
136	.100	1433.100	.000	.000	.000	.000	.000	.000	.000
137	.098	1435.098	.000	.000	.000	.000	.000	.000	.000
138	.100	1436.100	.000	.000	.000	.000	.000	.000	.000

141	.099	1446.099	.000	.000	.000	.000	.000	.000	.000
142	.099	1447.099	.000	.000	.000	.000	.000	.000	.000
143	.098	1451.098	.000	.000	.000	.000	.000	.000	.000
144	.100	1453.100	.000	.000	.000	.000	.000	.000	.000
145	.715	1378.715	.000	.000	.000	.000	.000	.000	.000
146	.089	1381.089	.000	.000	.000	.000	.000	.000	.000
147	.104	1384.104	.000	.000	.000	.000	.000	.000	.000
148	.099	1389.099	.000	.000	.000	.000	.000	.000	.000
149	.099	1394.099	.000	.000	.000	.000	.000	.000	.000
150	.098	1400.098	.000	.000	.000	.000	.000	.000	.000
151	.099	1402.099	.000	.000	.000	.000	.000	.000	.000
152	.099	1406.099	.000	.000	.000	.000	.000	.000	.000
153	.098	1410.098	.000	.000	.000	.000	.000	.000	.000
154	.099	1413.099	.000	.000	.000	.000	.000	.000	.000
155	.100	1417.100	.000	.000	.000	.000	.000	.000	.000
156	.098	1421.099	.000	.000	.000	.000	.000	.000	.000
157	.098	1424.098	.000	.000	.000	.000	.000	.000	.000
158	.099	1424.099	.000	.000	.000	.000	.000	.000	.000
159	.100	1426.100	.000	.000	.000	.000	.000	.000	.000
160	.099	1428.099	.000	.000	.000	.000	.000	.000	.000
161	.100	1430.099	.000	.000	.000	.000	.000	.000	.000
162	.100	1433.099	.000	.000	.000	.000	.000	.000	.000
163	.100	1437.100	.000	.000	.000	.000	.000	.000	.000
164	.097	1441.097	.000	.000	.000	.000	.000	.000	.000
165	.099	1443.099	.000	.000	.000	.000	.000	.000	.000
166	.098	1445.098	.000	.000	.000	.000	.000	.000	.000
167	.098	1448.098	.000	.000	.000	.000	.000	.000	.000
168	.099	1452.099	.000	.000	.000	.000	.000	.000	.000
169	.708	1378.708	.000	.000	.000	.000	.000	.000	.000
170	.016	1381.016	.000	.000	.000	.000	.000	.000	.000
171	.100	1384.100	.000	.000	.000	.000	.000	.000	.000
172	.016	1388.016	.000	.000	.000	.000	.000	.000	.000
173	.159	1392.159	-.416	.000	.416	.092	.066	-43.732	.000
174	.113	1397.113	-1.187	.000	1.187	.311	.134	-88.743	.000
175	.181	1401.181	-.751	.000	.751	.156	.136	-89.607	.000
176	.115	1405.115	-1.375	.000	1.375	.358	.158	-103.998	.000
177	.260	1408.260	-.346	.000	.346	.060	.090	-59.402	.000
178	.094	1411.094	.000	.000	.000	.000	.000	.000	.000
179	.099	1415.099	.000	.000	.000	.000	.000	.000	.000
180	.101	1417.101	.000	.000	.000	.000	.000	.000	.000
181	.099	1418.099	.000	.000	.000	.000	.000	.000	.000
182	.097	1421.097	.000	.000	.000	.000	.000	.000	.000
183	.098	1423.098	.000	.000	.000	.000	.000	.000	.000
184	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
185	.100	1427.100	.000	.000	.000	.000	.000	.000	.000
186	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
187	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
188	.099	1437.099	.000	.000	.000	.000	.000	.000	.000
189	.097	1440.097	.000	.000	.000	.000	.000	.000	.000
190	.098	1442.099	.000	.000	.000	.000	.000	.000	.000
191	.099	1445.099	.000	.000	.000	.000	.000	.000	.000
192	.098	1448.098	.000	.000	.000	.000	.000	.000	.000
193	.232	1407.232	-.415	.000	.415	.076	.096	-63.445	.000
194	.134	1411.134	-.717	.000	.717	.173	.096	-63.445	.000
195	.099	1412.099	.000	.000	.000	.000	.000	.000	.000
196	.100	1415.100	.000	.000	.000	.000	.000	.000	.000
197	.096	1418.096	.000	.000	.000	.000	.000	.000	.000
198	.100	1420.100	.000	.000	.000	.000	.000	.000	.000
199	.100	1423.100	.000	.000	.000	.000	.000	.000	.000
200	.098	1427.098	.000	.000	.000	.000	.000	.000	.000
201	.100	1430.100	.000	-.316	.316	.088	.032	.000	-20.817
202	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
203	.098	1435.099	.000	.000	.000	.000	.000	.000	.000
204	.100	1437.100	.000	.000	.000	.000	.000	.000	.000

207	.099	1444.099	.000	.000	.000	.000	.000	.000	.000
208	.268	1410.268	-.311	.000	.311	.053	.083	-54.855	.000
209	.101	1413.101	-1.295	.000	1.295	.358	.131	-86.634	.000
210	.190	1415.190	-.633	.000	.633	.128	.120	-79.387	.000
211	.117	1419.117	-.615	.000	.615	.158	.072	-47.608	.000
212	.097	1422.097	.000	.000	.000	.000	.000	.000	.000
213	.101	1425.101	-.251	.000	.251	.070	.025	-16.741	.000
214	.102	1427.102	-.557	-.559	.789	.308	.080	-37.498	-37.609
215	.098	1430.098	-.321	-.265	.416	.165	.041	-20.757	-17.143
216	.098	1432.098	.000	.000	.000	.000	.000	.000	.000
217	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
218	.099	1439.099	.000	.000	.000	.000	.000	.000	.000
219	.101	1440.101	.000	.000	.000	.000	.000	.000	.000
220	.100	1441.100	.000	.000	.000	.000	.000	.000	.000
221	.516	1420.516	.000	.000	.000	.000	.000	.000	.000
222	.099	1423.099	.000	.000	.000	.000	.000	.000	.000
223	.103	1425.103	-.306	-.247	.393	.152	.041	-20.815	-16.792
224	.104	1428.104	-.608	-.249	.657	.234	.068	-41.787	-17.143
225	.098	1431.098	-.323	-.183	.371	.142	.037	-20.971	-11.879
226	.099	1434.099	.000	.000	.000	.000	.000	.000	.000
227	.098	1436.098	.000	.000	.000	.000	.000	.000	.000
228	.099	1437.099	.000	.000	.000	.000	.000	.000	.000
229	.098	1439.098	.000	.000	.000	.000	.000	.000	.000
230	1.103	1423.103	.000	.000	.000	.000	.000	.000	.000
231	.076	1425.076	.000	.000	.000	.000	.000	.000	.000
232	.101	1428.101	-.249	.000	.249	.069	.025	-16.625	.000
233	.100	1430.100	-.252	-.180	.310	.120	.031	-16.625	-11.879
234	.099	1432.099	.000	.000	.000	.000	.000	.000	.000
235	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
236	.100	1434.100	.000	.000	.000	.000	.000	.000	.000
237	.099	1435.099	.000	.000	.000	.000	.000	.000	.000
238	1.105	1423.105	.000	.000	.000	.000	.000	.000	.000
239	.082	1425.082	.000	.000	.000	.000	.000	.000	.000
240	.100	1427.100	.000	.000	.000	.000	.000	.000	.000
241	.099	1429.099	.000	.000	.000	.000	.000	.000	.000
242	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
243	.098	1431.099	.000	.000	.000	.000	.000	.000	.000
244	.099	1431.099	.000	.000	.000	.000	.000	.000	.000
245	.100	1433.100	.000	.000	.000	.000	.000	.000	.000
246	.083	1424.083	.000	.000	.000	.000	.000	.000	.000
247	.114	1425.114	.000	.000	000	.000	.000	.000	.000
248	.100	1426.100	.000	.000	.000	.000	.000	.000	.000
249	.099	1427.099	.000	.000	.000	.000	.000	.000	.000
250	.100	1428.100	-.020	.000	.020	.006	.002	-1.326	.000
251	.111	1428.111	-.035	.000	.035	.009	.004	-2.528	.000
252	.118	1428.118	-.015	.000	.015	.004	.002	-1.202	.000
253	.099	1430.099	.000	.000	.000	.000	.000	.000	.000

MODEL TIME(HOURS) = 23.9990 INFLOW(CFS/LF) = .0000

1 N = .0350PEAK TIME = .00000Q PEAK = .00

NODE	DEPTH	ELEVATION	VEL X	VEL Y	VEL	FR	VEL*DEPTH	DISCHX	DISCHY
1	.099	1440.099	.000	.000	.000	.000	.000	.000	.000
2	.099	1438.099	.000	.000	.000	.000	.000	.000	.000
3	.098	1444.098	.000	.000	.000	.000	.000	.000	.000
4	.101	1446.101	.000	.000	.000	.000	.000	.000	.000
5	.100	1436.100	.000	.000	.000	.000	.000	.000	.000
6	.100	1436.100	.000	.000	.000	.000	.000	.000	.000
7	.100	1437.100	.000	.000	.000	.000	.000	.000	.000
8	.099	1447.099	.000	.000	.000	.000	.000	.000	.000

10	.100	1432.100	.000	.000	.000	.000	.000	.000	.000
11	.100	1436.099	.000	.000	.000	.000	.000	.000	.000
12	.098	1443.098	.000	.000	.000	.000	.000	.000	.000
13	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
14	.100	1429.100	.000	.000	.000	.000	.000	.000	.000
15	.100	1430.100	.000	.000	.000	.000	.000	.000	.000
16	.100	1435.100	.000	.000	.000	.000	.000	.000	.000
17	.100	1421.100	.000	.000	.000	.000	.000	.000	.000
18	.099	1423.099	.000	.000	.000	.000	.000	.000	.000
19	.100	1426.100	.000	.000	.000	.000	.000	.000	.000
20	.099	1431.099	.000	.000	.000	.000	.000	.000	.000
21	.100	1417.100	.000	.000	.000	.000	.000	.000	.000
22	.100	1419.100	.000	.000	.000	.000	.000	.000	.000
23	.099	1419.099	.000	.000	.000	.000	.000	.000	.000
24	.100	1423.100	.000	.000	.000	.000	.000	.000	.000
25	.100	1413.100	.000	.000	.000	.000	.000	.000	.000
26	.100	1416.100	.000	.000	.000	.000	.000	.000	.000
27	.100	1414.100	.000	.000	.000	.000	.000	.000	.000
28	.100	1418.100	.000	.000	.000	.000	.000	.000	.000
29	.099	1409.099	.000	.000	.000	.000	.000	.000	.000
30	.098	1414.099	.000	.000	.000	.000	.000	.000	.000
31	.100	1410.100	.000	.000	.000	.000	.000	.000	.000
32	.100	1415.100	.000	.000	.000	.000	.000	.000	.000
33	.099	1405.099	.000	.000	.000	.000	.000	.000	.000
34	.099	1406.099	.000	.000	.000	.000	.000	.000	.000
35	.099	1407.099	.000	.000	.000	.000	.000	.000	.000
36	.099	1412.099	.000	.000	.000	.000	.000	.000	.000
37	.099	1400.099	.000	.000	.000	.000	.000	.000	.000
38	.100	1402.100	.000	.000	.000	.000	.000	.000	.000
39	.099	1404.099	.000	.000	.000	.000	.000	.000	.000
40	.099	1409.099	.000	.000	.000	.000	.000	.000	.000
41	.098	1396.098	.000	.000	.000	.000	.000	.000	.000
42	.099	1398.099	.000	.000	.000	.000	.000	.000	.000
43	.100	1400.100	.000	.000	.000	.000	.000	.000	.000
44	.097	1405.097	.000	.000	.000	.000	.000	.000	.000
45	.099	1392.099	.000	.000	.000	.000	.000	.000	.000
46	.099	1394.099	.000	.000	.000	.000	.000	.000	.000
47	.099	1397.099	.000	.000	.000	.000	.000	.000	.000
48	.098	1400.098	.000	.000	.000	.000	.000	.000	.000
49	.100	1389.100	.000	.000	.000	.000	.000	.000	.000
50	.098	1390.098	.000	.000	.000	.000	.000	.000	.000
51	.099	1392.099	.000	.000	.000	.000	.000	.000	.000
52	.099	1394.099	.000	.000	.000	.000	.000	.000	.000
53	.098	1399.098	.000	.000	.000	.000	.000	.000	.000
54	.100	1405.100	.000	.000	.000	.000	.000	.000	.000
55	.098	1409.099	.000	.000	.000	.000	.000	.000	.000
56	.099	1413.099	.000	.000	.000	.000	.000	.000	.000
57	.101	1417.101	.000	.000	.000	.000	.000	.000	.000
58	.099	1422.099	.000	.000	.000	.000	.000	.000	.000
59	.099	1427.099	.000	.000	.000	.000	.000	.000	.000
60	.099	1431.099	.000	.000	.000	.000	.000	.000	.000
61	.098	1435.098	.000	.000	.000	.000	.000	.000	.000
62	.098	1438.098	.000	.000	.000	.000	.000	.000	.000
63	.099	1441.099	.000	.000	.000	.000	.000	.000	.000
64	.098	1445.098	.000	.000	.000	.000	.000	.000	.000
65	.100	1447.100	.000	.000	.000	.000	.000	.000	.000
66	.099	1450.099	.000	.000	.000	.000	.000	.000	.000
67	.100	1449.100	.000	.000	.000	.000	.000	.000	.000
68	.098	1452.098	.000	.000	.000	.000	.000	.000	.000
69	.099	1455.099	.000	.000	.000	.000	.000	.000	.000
70	.100	1458.100	.000	.000	.000	.000	.000	.000	.000
71	.099	1461.099	.000	.000	.000	.000	.000	.000	.000
72	.100	1463.100	.000	.000	.000	.000	.000	.000	.000
73	.098	1386.098	.000	.000	.000	.000	.000	.000	.000
74	.099	1387.099	.000	.000	.000	.000	.000	.000	.000

77	.099	1397.099	.000	.000	.000	.000	.000	.000	.000									
78	.101	1402.101	.000	.000	.000	.000	.000	.000	.000									
79	.099	1407.099	.000	.000	.000	.000	.000	.000	.000									
80	.100	1412.100	.000	.000	.000	.000	.000	.000	.000									
81	.097	1418.097	.000	.000	.000	.000	.000	.000	.000									
82	.100	1422.100	.000	.000	.000	.000	.000	.000	.000									
83	.098	1425.098	.000	.000	.000	.000	.000	.000	.000									
84	.100	1428.100	.000	.000	.000	.000	.000	.000	.000									
85	.099	1433.099	.000	.000	.000	.000	.000	.000	.000									
86	.100	1435.100	.000	.000	.000	.000	.000	.000	.000									
87	.098	1438.098	.000	.000	.000	.000	.000	.000	.000									
88	.099	1441.099	.000	.000	.000	.000	.000	.000	.000									
89	.100	1443.100	.000	.000	.000	.000	.000	.000	.000									
90	.099	1446.099	.000	.000	.000	.000	.000	.000	.000									
91	.099	1446.099	.000	.000	.000	.000	.000	.000	.000									
92	.099	1448.099	.000	.000	.000	.000	.000	.000	.000									
93	.099	1451.099	.000	.000	.000	.000	.000	.000	.000									
94	.099	1456.099	.000	.000	.000	.000	.000	.000	.000									
95	.100	1458.100	.000	.000	.000	.000	.000	.000	.000									
96	.100	1459.100	.000	.000	.000	.000	.000	.000	.000									
97	.103	1382.103	.000	.000	.000	.000	.000	.000	.000									
98	.097	1384.097	.000	.000	.000	.000	.000	.000	.000									
99	.100	1387.100	.000	.000	.000	.000	.000	.000	.000									
100	.100	1391.100	.000	.000	.000	.000	.000	.000	.000									
101	.099	1397.099	.000	.000	.000	.000	.000	.000	.000									
102	.097	1403.097	.000	.000	.000	.000	.000	.000	.000									
103	.099	1407.099	.000	.000	.000	.000	.000	.000	.000									
104	.096	1413.096	.000	.000	.000	.000	.000	.000	.000									
105	.098	1416.098	.000	.000	.000	.000	.000	.000	.000									
106	.100	1419.100	.000	.000	.000	.000	.000	.000	.000									
107	.099	1422.099	.000	.000	.000	.000	.000	.000	.000									
108	.099	1425.099	.000	.000	.000	.000	.000	.000	.000									
109	.100	1429.100	.000	.000	.000	.000	.000	.000	.000									
110	.100	1432.100	.000	.000	.000	.000	.000	.000	.000									
111	.099	1434.099	.000	.000	.000	.000	.000	.000	.000									
112	.100	1436.100	.000	.000	.000	.000	.000	.000	.000									
113	.099	1438.099	.000	.000	.000	.000	.000	.000	.000									
114	.099	1440.099	.000	.000	.000	.000	.000	.000	.000									
115	.099	1443.099	.000	.000	.000	.000	.000	.000	.000									
116	.099	1445.099	.000	.000	.000	.000	.000	.000	.000									
117	.099	1449.099	.000	.000	.000	.000	.000	.000	.000									
118	.099	1452.099	.000	.000	.000	.000	.000	.000	.000									
119	.099	1454.099	.000	.000	.000	.000	.000	.000	.000									
120	.099	1457.099	.000	.000	.000	.000	.000	.000	.000									
121	.093	1380.093	.000	.000	.000	.000	.000	.000	.000									
122	.099	1382.099	.000	.000	.000	.000	.000	.000	.000									
123	.099	1386.099	.000	.000	.000	.000	.000	.000	.000									
124	.100	1391.100	.000	.000	.000	.000	.000	.000	.000									
125	.099	1396.099	.000	.000	.000	.000	.000	.000	.000									
126	.098	1401.098	.000	.000	.000	.000	.000	.000	.000									
127	.098	1407.098	.000	.000	.000	.000	.000	.000	.000									
128	.100	1407.100	.000	.000	.000	.000	.000	.000	.000									
129	.100	1412.100	.000	.000	.000	.000	.000	.000	.000									
130	.099	1415.099	.000	.000	.000	.000	.000	.000	.000									
131	.100	1418.100	.000	.000	.000	.000	.000	.000	.000									
132	.099	1422.099	.000	.000	.000	.000	.000	.000	.000									
133	.099	1426.099	.000	.000	.000	.000	.000	.000	.000									
134	.099	1430.099	.000	.000	.000	.000	.000	.000	.000									
135	.099	1430.099	.000	.000	.000	.000	.000	.000	.000									
136	.100	1433.100	.000	.000	.000	.000	.000	.000	.000									
137	.100	1435.100	.000	.000	.000	.000	.000	.000	.000									
138	.100	1436.100	.000	.000	.000	.000	.000	.000	.000									
139	.098	1439.098	.000	.000	.000	.000	.000	.000	.000									
140	.098	1444.098	.000	.000	.000	.000	.000	.000	.000									

143	.099	1451.099	.000	.000	.000	.000	.000	.000	.000
144	.099	1453.099	.000	.000	.000	.000	.000	.000	.000
145	.715	1378.715	.000	-.062	.062	.006	.044	.000	-29.068
146	.087	1381.087	.000	.000	.000	.000	.000	.000	.000
147	.103	1384.103	.000	.000	.000	.000	.000	.000	.000
148	.099	1389.099	.000	.000	.000	.000	.000	.000	.000
149	.099	1394.099	.000	.000	.000	.000	.000	.000	.000
150	.098	1400.098	.000	.000	.000	.000	.000	.000	.000
151	.097	1402.097	.000	.000	.000	.000	.000	.000	.000
152	.100	1406.100	.000	.000	.000	.000	.000	.000	.000
153	.100	1410.100	.000	.000	.000	.000	.000	.000	.000
154	.099	1413.099	.000	.000	.000	.000	.000	.000	.000
155	.099	1417.099	.000	.000	.000	.000	.000	.000	.000
156	.100	1421.100	.000	.000	.000	.000	.000	.000	.000
157	.099	1424.099	.000	.000	.000	.000	.000	.000	.000
158	.099	1424.099	.000	.000	.000	.000	.000	.000	.000
159	.100	1426.100	.000	.000	.000	.000	.000	.000	.000
160	.098	1428.098	.000	.000	.000	.000	.000	.000	.000
161	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
162	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
163	.100	1437.100	.000	-.252	.252	.070	.025	.000	-16.640
164	.098	1441.098	.000	.000	.000	.000	.000	.000	.000
165	.097	1443.097	.000	.000	.000	.000	.000	.000	.000
166	.100	1445.100	.000	.000	.000	.000	.000	.000	.000
167	.097	1448.097	.000	.000	.000	.000	.000	.000	.000
168	.100	1452.100	.000	.000	.000	.000	.000	.000	.000
169	.708	1378.708	.000	-.062	.062	.007	.044	.000	-29.068
170	.016	1381.016	.000	.000	.000	.000	.000	.000	.000
171	.100	1384.100	.000	.000	.000	.000	.000	.000	.000
172	.016	1388.016	.000	.000	.000	.000	.000	.000	.000
173	.159	1392.159	-.416	.000	.416	.092	.066	-43.732	.000
174	.113	1397.113	-1.187	.000	1.187	.311	.134	-88.743	.000
175	.181	1401.181	-.751	.000	.751	.156	.136	-89.607	.000
176	.115	1405.115	-1.375	.000	1.375	.358	.158	-103.998	.000
177	.260	1408.260	-.346	.000	.346	.060	.090	-59.402	.000
178	.097	1411.097	.000	.000	.000	.000	.000	.000	.000
179	.100	1415.100	.000	.000	.000	.000	.000	.000	.000
180	.100	1417.100	-.178	.000	.178	.049	.018	-11.753	.000
181	.100	1418.100	-.178	.000	.178	.050	.018	-11.753	.000
182	.100	1421.099	.000	.000	.000	.000	.000	.000	.000
183	.097	1423.097	.000	.000	.000	.000	.000	.000	.000
184	.100	1425.099	.000	.000	.000	.000	.000	.000	.000
185	.100	1427.100	.000	.000	.000	.000	.000	.000	.000
186	.096	1433.096	.000	.000	.000	.000	.000	.000	.000
187	.102	1435.102	-.253	-.248	.354	.138	.036	-16.995	-16.640
188	.101	1437.101	-.255	-.258	.363	.142	.037	-16.995	-17.197
189	.098	1440.098	.000	.000	.000	.000	.000	.000	.000
190	.097	1442.097	.000	.000	.000	.000	.000	.000	.000
191	.099	1445.099	.000	.000	.000	.000	.000	.000	.000
192	.098	1448.098	.000	.000	.000	.000	.000	.000	.000
193	.232	1407.232	-.415	.000	.415	.076	.096	-63.445	.000
194	.134	1411.134	-.717	.000	.717	.173	.096	-63.445	.000
195	.097	1412.097	.000	.000	.000	.000	.000	.000	.000
196	.099	1415.099	.000	.000	.000	.000	.000	.000	.000
197	.096	1418.096	.000	.000	.000	.000	.000	.000	.000
198	.100	1420.100	.000	.000	.000	.000	.000	.000	.000
199	.100	1423.100	.000	.000	.000	.000	.000	.000	.000
200	.099	1427.099	.000	.000	.000	.000	.000	.000	.000
201	.098	1430.098	.000	.000	.000	.000	.000	.000	.000
202	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
203	.103	1435.103	-.250	-.252	.355	.138	.037	-17.015	-17.197
204	.100	1437.100	-.259	-.259	.366	.145	.037	-17.015	-17.075
205	.100	1439.100	.000	.000	.000	.000	.000	.000	.000
206	.099	1443.099	.000	.000	.000	.000	.000	.000	.000

209	.101	1413.101	-1.295	.000	1.295	.358	.131	-86.634	.000
210	.190	1415.190	-.633	.000	.633	.128	.120	-79.387	.000
211	.117	1419.117	-.615	.000	.615	.158	.072	-47.608	.000
212	.093	1422.093	.000	.000	.000	.000	.000	.000	.000
213	.099	1425.099	.000	.000	.000	.000	.000	.000	.000
214	.100	1427.100	.000	.000	.000	.000	.000	.000	.000
215	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
216	.101	1432.101	-.305	.000	.305	.085	.031	-20.410	.000
217	.101	1435.101	-.308	-.257	.401	.157	.040	-20.410	-17.075
218	.098	1439.098	.000	.000	.000	.000	.000	.000	.000
219	.098	1440.098	.000	.000	.000	.000	.000	.000	.000
220	.100	1441.100	.000	.000	.000	.000	.000	.000	.000
221	.516	1420.516	.000	.000	.000	.000	.000	.000	.000
222	.097	1423.097	.000	.000	.000	.000	.000	.000	.000
223	.100	1425.100	.000	.000	.000	.000	.000	.000	.000
224	.099	1428.099	.000	.000	.000	.000	.000	.000	.000
225	.099	1431.099	.000	.000	.000	.000	.000	.000	.000
226	.099	1434.099	.000	.000	.000	.000	.000	.000	.000
227	.099	1436.099	.000	.000	.000	.000	.000	.000	.000
228	.100	1437.100	.000	.000	.000	.000	.000	.000	.000
229	.100	1439.100	.000	.000	.000	.000	.000	.000	.000
230	1.102	1423.102	.000	.000	.000	.000	.000	.000	.000
231	.077	1425.077	.000	.000	.000	.000	.000	.000	.000
232	.099	1428.099	.000	.000	.000	.000	.000	.000	.000
233	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
234	.099	1432.099	.000	.000	.000	.000	.000	.000	.000
235	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
236	.100	1434.100	.000	.000	.000	.000	.000	.000	.000
237	.100	1435.100	.000	.000	.000	.000	.000	.000	.000
238	1.106	1423.106	.000	.000	.000	.000	.000	.000	.000
239	.084	1425.084	.000	.000	.000	.000	.000	.000	.000
240	.099	1427.099	.000	.000	.000	.000	.000	.000	.000
241	.099	1429.099	.000	.000	.000	.000	.000	.000	.000
242	.099	1430.099	.000	.000	.000	.000	.000	.000	.000
243	.099	1431.099	.000	.000	.000	.000	.000	.000	.000
244	.100	1431.100	.000	.000	.000	.000	.000	.000	.000
245	.099	1433.099	.000	.000	.000	.000	.000	.000	.000
246	.082	1424.082	.000	.000	.000	.000	.000	.000	.000
247	.110	1425.110	.000	.000	.000	.000	.000	.000	.000
248	.099	1426.099	.000	.000	.000	.000	.000	.000	.000
249	.100	1427.100	.000	.000	.000	.000	.000	.000	.000
250	.100	1428.100	-.017	.000	.017	.005	.002	-1.111	.000
251	.108	1428.108	-.016	.000	.016	.004	.002	-1.111	.000
252	.114	1428.114	.000	.000	.000	.000	.000	.000	.000
253	.099	1430.099	.000	.000	.000	.000	.000	.000	.000

NODE	DEPTH	ELEVATION	TIME
1	.100	1440.100	12.780
2	.285	1438.285	12.825
3	.102	1444.102	12.820
4	.115	1446.115	12.855
5	.120	1436.120	12.455
6	.184	1436.184	12.010
7	.491	1437.491	12.585
8	.180	1447.180	10.945
9	.102	1433.102	12.550
10	.509	1432.509	12.800
11	.153	1436.153	11.850
12	.103	1443.103	13.350
13	.235	1425.235	13.140
14	.289	1429.289	12.550
15	.193	1430.193	11.995

18	.281	1423.281	13.045
19	.108	1426.108	12.045
20	.104	1431.104	12.785
21	.532	1417.532	12.900
22	.165	1419.165	12.305
23	.317	1419.317	12.630
24	.157	1423.157	11.820
25	.485	1413.485	12.590
26	.110	1416.110	12.310
27	.170	1414.170	12.215
28	.127	1418.127	12.040
29	.562	1409.562	12.980
30	.101	1414.101	19.255
31	.527	1410.527	12.425
32	.160	1415.160	11.745
33	.601	1405.601	13.080
34	.170	1406.170	12.550
35	.496	1407.496	12.540
36	.145	1412.145	12.000
37	.738	1400.738	12.810
38	.257	1402.257	12.635
39	.352	1404.352	12.905
40	.102	1409.102	13.570
41	.843	1396.843	13.210
42	.246	1398.246	12.750
43	.285	1400.285	13.040
44	.102	1405.102	13.915
45	.680	1392.680	12.960
46	.188	1394.188	12.555
47	.242	1397.242	13.085
48	.159	1400.159	11.810
49	1.136	1390.136	13.030
50	.135	1390.135	12.255
51	.199	1392.199	12.180
52	.199	1394.199	12.185
53	.103	1399.104	12.515
54	.155	1405.155	12.065
55	.389	1409.389	12.840
56	.469	1413.469	12.695
57	.471	1417.471	12.590
58	.118	1422.118	11.670
59	.345	1427.345	12.510
60	.195	1431.195	13.310
61	.402	1435.402	12.530
62	.410	1438.410	13.530
63	.866	1441.866	13.100
64	.101	1445.101	13.095
65	.102	1447.102	13.395
66	.101	1450.101	17.985
67	.235	1449.235	12.165
68	.103	1452.103	12.295
69	.162	1455.162	12.235
70	.153	1458.153	13.175
71	.242	1461.242	12.565
72	.335	1463.335	13.000
73	.435	1386.435	12.875
74	.284	1387.284	12.475
75	.411	1389.411	12.900
76	.423	1393.423	12.815
77	.559	1397.559	12.810
78	.466	1402.466	12.720
79	.402	1407.402	12.615
80	.202	1412.202	12.455
81	.104	1418.104	12.810

84	.141	1428.141	12.070
85	.338	1433.338	13.030
86	.643	1435.643	13.555
87	.532	1438.532	13.255
88	.102	1441.102	17.740
89	.104	1443.104	13.015
90	.102	1446.102	12.500
91	.392	1446.392	12.410
92	.144	1448.144	13.005
93	.334	1451.334	12.735
94	.107	1456.107	12.880
95	.313	1458.313	12.770
96	.463	1459.463	13.255
97	1.301	1383.301	12.975
98	.433	1384.433	12.575
99	.630	1387.630	13.095
100	.235	1391.235	12.580
101	.144	1397.144	13.080
102	.102	1403.103	12.760
103	.126	1407.125	12.355
104	.102	1413.102	12.410
105	.133	1416.133	12.315
106	.192	1419.192	12.300
107	.289	1422.289	12.685
108	.578	1425.578	13.530
109	.552	1429.552	13.600
110	.642	1432.642	13.595
111	.202	1434.202	12.860
112	.104	1436.104	16.085
113	.122	1438.121	12.425
114	.175	1440.175	12.485
115	.295	1443.295	12.730
116	.188	1445.188	13.480
117	.138	1449.138	12.795
118	.109	1452.109	13.260
119	.451	1454.451	13.315
120	.108	1457.108	13.410
121	.951	1380.951	13.040
122	.337	1382.337	12.620
123	.187	1386.187	13.040
124	.103	1391.103	12.670
125	.103	1396.103	13.335
126	.104	1401.104	13.080
127	.103	1407.103	13.050
128	.443	1407.443	12.965
129	.219	1412.219	12.465
130	.621	1415.621	13.330
131	.713	1418.713	13.630
132	.523	1422.523	13.290
133	.351	1426.351	12.940
134	.114	1430.114	13.480
135	.310	1430.310	13.115
136	.103	1433.103	18.150
137	.130	1435.130	12.505
138	.318	1436.318	12.670
139	.299	1439.299	13.260
140	.105	1444.104	13.055
141	.227	1446.227	12.870
142	.529	1447.529	13.285
143	.228	1451.228	12.550
144	.348	1453.348	12.565
145	2.106	1380.106	13.100
146	.142	1381.142	12.605
147	.561	1384.561	13.240

150	.237	1400.237	13.610
151	.629	1402.629	13.575
152	.366	1406.366	13.525
153	.522	1410.522	13.510
154	.588	1413.588	13.500
155	.293	1417.293	13.700
156	.255	1421.255	13.360
157	.125	1424.125	12.355
158	.485	1424.485	13.330
159	.196	1426.196	12.775
160	.137	1428.137	12.665
161	.338	1430.338	12.720
162	.459	1433.459	13.040
163	.119	1437.119	12.470
164	.187	1441.187	13.630
165	.380	1443.380	13.390
166	.152	1445.152	13.505
167	.115	1448.115	12.190
168	.104	1452.104	12.635
169	.708	1378.708	13.155
170	.016	1381.016	13.000
171	.100	1384.100	13.400
172	.016	1388.016	13.000
173	.159	1392.159	13.695
174	.113	1397.113	13.085
175	.181	1401.181	13.595
176	.115	1405.115	13.555
177	.260	1408.260	13.540
178	.359	1411.359	13.545
179	.108	1415.108	12.490
180	.118	1417.118	12.485
181	.319	1418.319	13.045
182	.197	1421.197	12.945
183	.235	1423.235	12.935
184	.468	1425.468	13.245
185	.489	1427.489	12.960
186	.105	1433.105	13.275
187	.244	1435.244	13.640
188	.223	1437.223	13.310
189	.146	1440.146	12.415
190	.258	1442.258	13.300
191	.339	1445.339	12.715
192	.287	1448.287	12.585
193	.232	1407.232	13.630
194	.134	1411.134	13.350
195	.608	1412.608	13.235
196	.316	1415.316	13.165
197	.427	1418.427	13.445
198	.479	1420.479	13.225
199	.225	1423.225	13.065
200	.106	1427.106	12.600
201	.111	1430.111	12.575
202	.124	1433.124	12.650
203	.259	1435.259	13.515
204	.497	1437.497	13.050
205	.380	1439.380	12.825
206	.120	1443.120	12.205
207	.128	1444.128	13.585
208	.268	1410.268	13.325
209	.101	1413.101	13.100
210	.190	1415.190	13.500
211	.117	1419.117	12.945
212	.194	1422.194	12.810
213	.112	1425.112	12.640

216	.477	1432.477	13.735
217	.214	1435.214	13.145
218	.115	1439.115	12.370
219	.192	1440.192	12.745
220	.344	1441.344	12.570
221	.516	1420.516	14.010
222	.988	1423.988	13.790
223	.616	1425.615	13.235
224	.475	1428.475	13.860
225	.227	1431.227	13.275
226	.125	1434.125	12.460
227	.144	1436.145	12.395
228	.219	1437.219	12.865
229	.147	1439.147	12.125
230	2.109	1424.109	13.880
231	.118	1425.118	12.730
232	.271	1428.271	13.780
233	.231	1430.231	13.230
234	.148	1432.148	12.615
235	.278	1433.278	13.080
236	.243	1434.243	12.920
237	.141	1435.141	12.260
238	2.148	1424.148	13.945
239	.109	1425.109	13.805
240	.116	1427.116	12.710
241	.113	1429.114	12.590
242	.121	1430.121	12.575
243	.110	1431.110	12.480
244	.109	1431.109	12.385
245	.105	1433.105	15.505
246	.158	1424.158	13.950
247	.746	1425.746	13.605
248	.657	1426.657	13.335
249	.588	1427.588	13.380
250	.558	1428.558	13.250
251	.916	1428.916	13.310
252	1.009	1429.009	13.275
253	.196	1430.196	12.395

APPENDIX B

TR-20 COMPUTER MODEL RESULTS

EXISTING CONDITIONS

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

JOB TR-20                                          SUMMARY   NOPLOTS
TITLE 000 CAVE CREEK - ADMS HYDROLOGY
TITLE 000 EXISTING CONDITIONS
 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
 2 XSECTN   006          1.0
 8                       1502.       0.0         0.0
 8                       1502.4      3.7         2.1
 8                       1502.8      13.3        5.1
 8                       1503.2      29.5        9.1
 8                       1503.6      53.4        14.1
 8                       1504.0      85.8        20.0
 8                       1504.4      100.7       30.8
 8                       1504.8      169.0       50.3
 8                       1505.2      289.0       78.5
 8                       1505.6      469.8       115.4
 8                       1506.0      470.9       161.1
 8                       1506.4      952.6       295.5
 8                       1506.8      1764.7      462.7
 8                       1507.2      2878.8      662.8
 8                       1507.6      4328.4      895.6
 8                       1508.0      6145.9      1161.3
 8                       1508.4      8331.5      1460.9
 8                       1508.8      10956.2     1795.8
 9 ENDTBL
 2 XSECTN   008          1.0
 8                       1494.0      0.0         0.0
 8                       1494.3      7.4         5.7
 8                       1494.6      23.9        12.0
 8                       1494.9      47.8        18.8
 8                       1495.2      78.9        26.3
 8                       1495.5      117.0       34.3
 8                       1495.8      162.2       42.9
 8                       1496.1      165.4       53.5
 8                       1496.4      175.4       84.2
 8                       1496.7      302.7       140.5
```

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

```
 8                    1497.0      527.8       222.4
 8                    1497.3      868.5       329.9
 8                    1497.6      1343.8      463.0
 8                    1497.9      1972.3      621.8
 8                    1498.2      2837.4      803.3
 8                    1498.5      3901.4      998.3
 8                    1498.8      5131.8      1206.2
 8                    1499.1      6532.4      1426.8
 8                    1499.4      8107.5      1660.4
 8                    1499.7      9861.7      1906.7
 9 ENDTBL
 2 XSECTN    014      1.0
 8                    1484.0      0.0         0.0
 8                    1484.3      4.5         3.5
 8                    1484.6      14.6        7.4
 8                    1484.9      29.3        11.7
 8                    1485.2      48.4        16.4
 8                    1485.5      72.0        21.6
 8                    1485.8      100.0       27.1
 8                    1486.1      132.3       33.0
 8                    1486.4      168.7       39.4
 8                    1486.7      210.3       46.4
 8                    1487.0      257.3       53.8
 8                    1487.3      309.9       61.7
 8                    1487.6      368.3       70.1
 8                    1487.9      432.9       78.9
 8                    1488.2      460.0       95.4
 8                    1488.5      490.0       142.0
 8                    1488.8      520.2       220.5
 8                    1489.1      843.7       330.9
 8                    1489.4      1318.9      473.3
 8                    1489.7      1968.4      647.5
 9 ENDTBL
 2 XSECTN    027      1.0
 8                    1468.0      0.0         0.0
 8                    1468.3      3.7         3.3
 8                    1468.6      12.4        7.4
 8                    1468.9      25.6        12.0
 8                    1469.2      43.5        17.4
 8                    1469.5      66.2        23.4
 8                    1469.8      94.1        30.2
 8                    1470.1      127.2       37.5
 8                    1470.4      165.8       45.7
 8                    1470.7      210.8       54.5
 8                    1471.0      262.3       64.1
 8                    1471.3      320.8       74.5
```

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

 8                        1471.6      386.5       85.5
 8                        1471.9      453.1       97.3
 8                        1472.2      540.0      173.1
 8                        1472.5      625.0      286.2
 8                        1472.8     1078.1      406.7
 8                        1473.1     1636.5      534.4
 8                        1473.4     2298.0      669.3
 8                        1473.7     3062.4      811.5
 9 ENDTBL
 2 XSECTN    037          1.0
 8                        1452.0      0.0         0.0
 8                        1452.2      8.1         6.5
 8                        1452.6     50.6        19.9
 8                        1453.0    119.3        34.0
 8                        1453.2    162.1        41.3
 8                        1453.4    210.4        48.7
 8                        1453.6    263.8        56.3
 8                        1453.8    322.2        64.1
 8                        1454.0    385.5        72.0
 8                        1454.2    420.0        86.0
 8                        1454.4    456.8       100.3
 8                        1454.6    566.6       114.7
 8                        1454.8    685.9       129.2
 8                        1455.0    814.4       143.9
 8                        1455.2    952.0       158.8
 8                        1455.4   1098.3       173.9
 8                        1455.6   1183.6       189.8
 8                        1455.8   1357.3       206.7
 8                        1456.0   1540.3       223.7
 8                        1456.2   1740.2       240.7
 9 ENDTBL
 2 XSECTN    080          1.
 8                        1416.5      0.0         0.0
 8                        1416.7      3.1         4.0
 8                        1416.9     19.4        16.0
 8                        1417.1     57.3        36.0
 8                        1417.3    123.3        64.
 8                        1417.5    223.6       100.
 8                        1417.7    363.6       143.9
 8                        1417.9    548.5       195.9
 8                        1418.1    755.7       256.9
 8                        1418.3   1009.8       333.3
 8                        1418.5   1351.1       426.1
 8                        1418.7   1787.6       535.4
 8                        1418.9   2328.1       661.1
 8                        1419.1   3071.3       799.
```

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

 8                        1419.3       4033.2       941.0
 9 ENDTBL
 2 XSECTN    083          1.0
 8                        1428.8       0.0          0.0
 8                        1428.9       20.4         26.6
 8                        1429.1       129.4        106.5
 8                        1429.3       403.3        234.6
 8                        1429.5       852.0        380.0
 8                        1429.7       1442.6       537.5
 8                        1429.9       2172.7       707.3
 8                        1430.1       3101.4       887.7
 9 ENDTBL
 2 XSECTN    085          1.0
 8                        1428.8       0.0          0.0
 8                        1428.9       20.4         26.6
 8                        1429.1       129.4        106.5
 8                        1429.3       403.3        234.6
 8                        1429.5       852.0        380.0
 8                        1429.7       1442.6       537.5
 8                        1429.9       2172.7       707.3
 8                        1430.1       3101.4       887.7
 9 ENDTBL
 2 XSECTN    086          1.0
 8                        1429.8       0.0          0.0
 8                        1429.9       32.7         48.5
 8                        1430.        115.8        116.0
 8                        1430.1       268.3        193.9
 8                        1430.2       469.2        273.6
 8                        1430.4       1000.2       438.7
 8                        1430.6       1689.0       611.1
 8                        1430.8       2526.0       791.0
 8                        1431.0       3505.8       978.2
 8                        1431.2       4625.3       1172.9
 8                        1431.4       5882.7       1374.9
 9 ENDTBL
 2 XSECTN    087          1.0
 8                        1429.8       0.0          0.0
 8                        1429.9       32.7         48.5
 8                        1430.        115.8        116.0
 8                        1430.1       268.3        193.9
 8                        1430.2       469.2        273.6
 8                        1430.4       1000.2       438.7
 8                        1430.6       1689.0       611.1
 8                        1430.8       2526.0       791.0
 8                        1431.0       3505.8       978.2
 8                        1431.2       4625.3       1172.9
```

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

 8                        1431.4       5882.7       1374.9
 9 ENDTBL
 2 XSECTN    105          1.0
 8                        1417.1       0.0          0.0
 8                        1417.3       9.7          14.0
 8                        1417.5       61.9         56.0
 8                        1417.7       182.4        125.9
 8                        1417.9       392.9        223.9
 8                        1418.1       737.3        347.5
 8                        1418.3       1217.8       483.0
 8                        1418.5       1805.5       628.1
 8                        1418.7       2500.2       782.6
 8                        1418.9       3303.3       946.7
 9 ENDTBL
 2 XSECTN    107          1.0
 8                        1417.1       0.0          0.0
 8                        1417.3       9.7          14.0
 8                        1417.5       61.9         56.0
 8                        1417.7       182.4        125.9
 8                        1417.9       392.9        223.9
 8                        1418.1       737.3        347.5
 8                        1418.3       1217.8       483.0
 8                        1418.5       1805.5       628.1
 8                        1418.7       2500.2       782.6
 8                        1418.9       3303.3       946.7
 9 ENDTBL
 2 XSECTN    109          1.0
 8                        1418.0       0.0          0.0
 8                        1418.1       1.9          3.3
 8                        1418.2       8.6          10.1
 8                        1418.3       22.3         20.6
 8                        1418.4       44.6         34.6
 8                        1418.5       77.2         52.1
 8                        1418.6       121.6        73.2
 8                        1418.7       179.2        97.9
 8                        1418.8       251.4        126.2
 8                        1418.9       339.3        158.0
 8                        1419.0       449.8        193.0
 8                        1419.1       577.3        230.6
 8                        1419.2       748.9        269.6
 9 ENDTBL
 3 STRUCT       37
 8                        1446.0       0.0          0.0
 8                        1448.0       0.1          2.58
 8                        1448.5       110.         3.52
 8                        1449.0       320.         4.45
```

```
**********************80-80 LIST OF INPUT DATA (CONTINUED)*********************
 8                          1449.5       580.         5.38
 8                          1450.0       900.         6.32
 9 ENDTBL
 6 RUNOFF 1 001        5 .148        95.          .3
 6 RUNOFF 1 002        6 .097        95.          .19
 6 REACH  3 003   5    7 1000.       .04          1.66
 6 REACH  3 003   6    5 1400.       .04          1.66
 6 ADDHYD 4 003   5 7 6
 6 RUNOFF 1 003        5 .047        77.          .36
 6 ADDHYD 4 003   5 6 7
 6 RUNOFF 1 006        5 .109        81.          .82
 6 REACH  3 006   7    6 1600.
 6 ADDHYD 4 006   5 6 7
 6 REACH  3 008   7    1 1600.
 6 RUNOFF 1 007        5 .117        77.          .69
 6 REACH  3 008   5    2 1400.
 6 RUNOFF 1 019        5 .022        95.          .167
 6 RUNOFF 1 004        6 .195        95.          .22
 6 REACH  3 004   5    7 1800.       .05          1.66
 6 ADDHYD 4 004   6 7 5
 6 RUNOFF 1 005        6 .125        77.          .56
 6 REACH  3 005   5    7 1400.       .05          1.66
 6 ADDHYD 4 005   6 7 5
 6 REACH  3 008   5    3 2100.
 6 ADDHYD 4 008   1 2 4
 6 ADDHYD 4 008   3 4 1
 6 RUNOFF 1 018        5 .184        78.          .72
 6 REACH  3 008   5    2 1900.       .04          1.66
 6 ADDHYD 4 008   1 2 3
 6 RUNOFF 1 008        5 .131        78.          .75
 6 ADDHYD 4 008   3 5 1
 6 REACH  3 014   1    2 3000.
 6 RUNOFF 1 009        5 .198        77.          .93
 6 REACH  3 014   5    6 2600.
 6 ADDHYD 4 014   2 6 3
 6 RUNOFF 1 016        5 .119        86.          .54
 6 REACH  3 015   5    6 1100.       .54          1.66
 6 RUNOFF 1 015        7 .073        82.          .89
 6 ADDHYD 4 015   6 7 2
 6 ADDHYD 4 014   3 2 1
 6 RUNOFF 1 014        3 .177        83.          .39
 6 ADDHYD 4 014   1 3 4
 6 REACH  3 027   4    2 3000.
 6 RUNOFF 1 017        5 .059        95.          .167
 6 REACH  3 025   5    6 2200.       .05          1.66
 6 RUNOFF 1 025        7 .089        83.          .43
```

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

 6 ADDHYD 4 025   6 7 5
 6 REACH  3 027   5   1 1700.
 6 ADDHYD 4 027   1 2 3
 6 RUNOFF 1 026       2 .067        85.          .31
 6 ADDHYD 4 027   2 3 1
 6 RUNOFF 1 027       5 .188        80.          1.2
 6 ADDHYD 4 027   1 5 3
 6 REACH  3 037   3   2 3000.
 6 RUNOFF 1 037       5 .125        83.          .25
 6 ADDHYD 4 037   2 5 1
 6 RESVOR 2     37 1   3 1446.0
 6 RUNOFF 1 024       5 .198        81.          .46
 6 REACH  3 037   5   6 2100.       .41          1.66
 6 ADDHYD 4 037   3 6 2
 6 REACH  3 143   2   1 1400.       .09          1.66
 6 DIVERT 6 086   1 2 3             .5           85.
 6 REACH  3 086   2   4 1250.
 6 RUNOFF 1 086       6 .063        86.          .27
 6 ADDHYD 4 086   4 6 5
 6 REACH  3 087   5   4 1320.
 6 RUNOFF 1 087       6 .063        83.          .52
 6 ADDHYD 4 087   4 6 5
 6 REACH  3 105   5   2 2000.
 6 RUNOFF 1 010       5 .095        77.          .56
 6 REACH  3 011   5   6 2700.       .44          1.66
 6 RUNOFF 1 011       7 .234        77.          .84
 6 ADDHYD 4 011   6 7 5
 6 REACH  3 028   5   4 3300.       .03          1.66
 6 RUNOFF 1 013       5 .125        82.          .61
 6 REACH  3 028   5   6 2800.       .03          1.66
 6 ADDHYD 4 028   4 6 7
 6 RUNOFF 1 028       5 .156        79.          .93
 6 ADDHYD 4 028   7 5 6
 6 REACH  3 036   6   7 3500.       .06          1.66
 6 RUNOFF 1 036       5 .125        83.          .48
 6 ADDHYD 4 036   5 7 6
 6 REACH  3 090   6   4 2600.       .22          1.54
 6 RUNOFF 1 034       5 .125        84.          .73
 6 REACH  3 035   5   6 1320.       .31          1.54
 6 RUNOFF 1 035       5 .125        83.          .49
 6 ADDHYD 4 035   5 6 7
 6 REACH  3 091   7   6 2640.       .22          1.54
 6 RUNOFF 1 091       5 .125        86.          .47
 6 ADDHYD 4 091   5 6 7
 6 REACH  3 090   7   5 1320.       .22          1.54
 6 RUNOFF 1 090       6 .109        85.          .63
```

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

```
6 ADDHYD 4 090   5 6 7
6 ADDHYD 4 090   4 7 5
6 REACH  3 088   5   6 1320.       .22          1.54
6 RUNOFF 1 088       5 .094        87.          .75
6 ADDHYD 4 088   5 6 7
6 RUNOFF 1 089       5 .047        84.          .39
6 REACH  3 088   5   6 2000.       .22          1.54
6 ADDHYD 4 088   6 7 5
6 REACH  3 101   5   6 1050.       .22          1.54
6 RUNOFF 1 101       5 .047        89.          .52
6 ADDHYD 4 101   5 6 7
6 REACH  3 102   7   6 1320.       .02          1.66
6 RUNOFF 1 102       5 .063        82.          .63
6 ADDHYD 4 102   5 6 7
6 REACH  3 105   7   5 1320.
6 RUNOFF 1 105       6 .063        78.          .63
6 ADDHYD 4 105   5 6 7
6 ADDHYD 4 105   2 7 4
6 REACH  3 107   4   5 1400.
6 RUNOFF 1 107       6 .059        82.          .42
6 ADDHYD 4 107   5 6 1
6 REACH  3 085   3   4 2000.
6 RUNOFF 1 085       5 .063        80.          .52
6 ADDHYD 4 085   4 5 6
6 REACH  3 083   6   5 2000.
6 RUNOFF 1 083       6 .063        81.          .52
6 ADDHYD 4 083   5 6 7
6 RUNOFF 1 084       5 .063        78.          .52
6 REACH  3 083   5   6 1320.       .2           1.54
6 ADDHYD 4 083   6 7 5
6 DIVERT 6 109   5 6 3             .5           80.
6 REACH  3 109   6   5 2000.
6 RUNOFF 1 109       6 .063        84.          .29
6 ADDHYD 4 109   5 6 2
6 REACH  3 080   3   5 1320.
6 RUNOFF 1 080       3 .063        83.          .45
6 ADDHYD 4 080   5 3 4
6 REACH  3 079   4   5 1320.       .23          1.54
6 RUNOFF 1 079       6 .063        88.          .25
6 ADDHYD 4 079   5 6 7
6 REACH  3 076   7   6 1320.       .23          1.54
6 RUNOFF 1 076       5 .063        86.          .25
6 ADDHYD 4 076   5 6 7
6 REACH  3 075   7   6 1320.       .23          1.54
6 RUNOFF 1 075       5 .063        95.          .52
6 ADDHYD 4 075   5 6 7
```

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

```
6 REACH  3 113   7   6 1800.       .08         1.66
6 RUNOFF 1 112       5 .061        77.         .46
6 REACH  3 113   5   4 1320.       .08         1.66
6 ADDHYD 4 113   4 6 5
6 RUNOFF 1 113       6 .053        86.         .52
6 ADDHYD 4 113   5 6 3
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
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
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
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
6 REACH  3 097   6   7 2100.       .08         1.66
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
6 REACH  3 099   6   7 1250.       .08         1.66
6 RUNOFF 1 099       6 .094        86.         .49
6 ADDHYD 4 099   7 6 5
```

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

 6 REACH  3 139   5   6 1600.        .05          1.66
 6 RUNOFF 1 100       4 .078         86.          .39
 6 REACH  3 139   4   5 600.         .05          1.66
 6 ADDHYD 4 139   5 6 7
 6 RUNOFF 1 142       4 .25          83.          1.39
 6 REACH  3 141   4   5 2100.        .08          1.66
 6 RUNOFF 1 141       6 .188         87.          .53
 6 ADDHYD 4 141   5 6 4
 6 REACH  3 140   4   5 1320.        .08          1.66
 6 RUNOFF 1 140       6 .125         86.          .44
 6 ADDHYD 4 140   5 6 4
 6 RUNOFF 1 137       6 .078         79.          .49
 6 ADDHYD 4 140   4 6 5
 6 REACH  3 139   5   6 2800.        .05          1.66
 6 ADDHYD 4 139   6 7 4
 6 RUNOFF 1 136       5 .066         95.          .167
 6 REACH  3 138   5   6 3000.        .17          1.66
 6 RUNOFF 1 138       5 .203         84.          .24
 6 ADDHYD 4 138   5 6 7
 6 REACH  3 139   7   6 2000.        .05          1.66
 6 ADDHYD 4 139   4 6 7
 6 RUNOFF 1 139       5 .188         87.          .43
 6 ADDHYD 4 139   7 5 4
 6 RUNOFF 1 129       5 .108         82.          .167
 6 RUNOFF 1 130       6 .031         91.          .167
 6 ADDHYD 4 129   5 6 7
 6 REACH  3 127   7   6 2500.        .08          1.66
 6 RUNOFF 1 128       5 .036         80.          .167
 6 REACH  3 127   5   7 2300.        .08          1.66
 6 ADDHYD 4 127   7 6 5
 6 RUNOFF 1 127       7 .159         82.          .21
 6 ADDHYD 4 127   5 7 6
 6 RUNOFF 1 132       5 .145         88.          .27
 6 REACH  3 131   5   7 2000.        .17          1.66
 6 ADDHYD 4 131   6 7 5
 6 RUNOFF 1 131       6 .119         86.          .27
 6 ADDHYD 4 131   5 6 7
 6 REACH  3 126   7   6 1500.        .11          1.66
 6 RUNOFF 1 126       5 .158         95.          .28
 6 ADDHYD 4 126   5 6 7
 6 REACH  3 134   7   6 1500.        .13          1.66
 6 RUNOFF 1 135       7 .042         95.          .167
 6 REACH  3 134   7   5 3200.        .13          1.66
 6 ADDHYD 4 134   5 6 7
 6 RUNOFF 1 134       6 .197         85.          .31
 6 ADDHYD 4 134   6 7 5
```

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

```
6 RUNOFF 1 125       7 .117        95.         .167
6 ADDHYD 4 125   7 5 6
6 REACH  3 124   6   7 2500.       .09         1.66
6 RUNOFF 1 124       6 .219        84.         .25
6 ADDHYD 4 124   6 7 5
6 REACH  3 103   4   6 1400.       .96         1.51
6 RUNOFF 1 103       4 .081        84.         .26
6 ADDHYD 4 103   4 6 7
6 REACH  3 104   7   6 1320.       .96         1.51
6 ADDHYD 4 104   5 6 7
6 RUNOFF 1 104       5 .069        78.         .67
6 ADDHYD 4 104   5 7 6
6 REACH  3 107   6   5 1000.       .85         1.53
6 ADDHYD 4 107   1 5 6
6 RUNOFF 1 123       5 .213        95.         .25
6 ADDHYD 4 107   5 6 7
6 REACH  3 108   7   6 1700.       .85         1.53
6 RUNOFF 1 106       4 .063        79.         .56
6 REACH  3 108   4   5 700.        .08         1.66
6 RUNOFF 1 108       4 .025        79.         .28
6 ADDHYD 4 108   4 5 7
6 ADDHYD 4 108   6 7 5
6 ADDHYD 4 109   2 5 6
6 REACH  3 110   6   7 1320.       .85         1.53
6 RUNOFF 1 122       6 .355        85.         .29
6 ADDHYD 4 122   6 7 5
6 RUNOFF 1 110       6 .073        78.         .56
6 ADDHYD 4 110   5 6 7
6 REACH  3 111   7   5 1320.       1.07        1.53
6 RUNOFF 1 111       6 .07         77.         .56
6 ADDHYD 4 111   5 6 7
6 REACH  3 112   7   6 1320.       .04         1.63
6 RUNOFF 1 121       5 .25         95.         .17
6 ADDHYD 4 112   5 6 7
6 REACH  3 113   7   6 1320.       .04         1.63
6 ADDHYD 4 113   3 6 5
6 RUNOFF 1 120       6 .231        87.         .3
6 ADDHYD 4 113   5 6 7
6 REACH  3 114   7   1 3000.       .04         1.63
6 RUNOFF 1 049       5 .086        95.         .19
6 REACH  3 048   5   6 1320.       .04         1.66
6 RUNOFF 1 048       5 .125        79.         .60
6 ADDHYD 4 048   5 6 7
6 RUNOFF 1 020       5 .064        95.         .167
6 REACH  3 048   5   6 2640.       .04         1.66
6 ADDHYD 4 048   6 7 5
```

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

```
6 REACH  3 056   5   6 1866.      .12        1.66
6 RUNOFF 1 056       5 .063       82.        .25
6 ADDHYD 4 056   5 6 7
6 REACH  3 057   7   6 1320.      .2         1.54
6 RUNOFF 1 057       5 .063       82.        .25
6 ADDHYD 4 057   5 6 7
6 REACH  3 060   7   6 1867.      .12        1.66
6 RUNOFF 1 060       5 .063       81.        .49
6 ADDHYD 4 060   5 6 7
6 RUNOFF 1 058       5 .063       84.        .25
6 REACH  3 060   5   6 1320.      .25        1.54
6 ADDHYD 4 060   6 7 5
6 REACH  3 065   5   6 1320.      .28        1.54
6 RUNOFF 1 065       5 .063       77.        .49
6 ADDHYD 4 065   5 6 7
6 REACH  3 068   7   6 1320.      .25        1.54
6 RUNOFF 1 068       5 .063       85.        .25
6 ADDHYD 4 068   5 6 7
6 RUNOFF 1 047       4 .125       82.        .31
6 REACH  3 046   4   5 1320.      .51        1.54
6 RUNOFF 1 046       4 .125       82.        .29
6 ADDHYD 4 046   4 5 6
6 REACH  3 059   6   5 1867.      .11        1.66
6 RUNOFF 1 059       4 .063       82.        .25
6 ADDHYD 4 059   4 5 6
6 RUNOFF 1 021       3 .189       83.        .58
6 RUNOFF 1 043       4 .047       86.        .167
6 ADDHYD 4 021   3 4 5
6 REACH  3 045   5   4 2700.      .05        1.66
6 RUNOFF 1 045       3 .125       86.        .51
6 ADDHYD 4 045   3 4 5
6 REACH  3 059   5   4 1400.      .11        1.66
6 ADDHYD 4 059   4 6 5
6 REACH  3 066   5   4 1320.      .11        1.66
6 RUNOFF 1 066       5 .063       83.        .46
6 ADDHYD 4 066   4 5 6
6 REACH  3 068   6   5 1877.      .25        1.54
6 ADDHYD 4 068   5 7 6
6 REACH  3 070   6   5 1320.      .18        1.54
6 RUNOFF 1 070       6 .063       86.        .25
6 ADDHYD 4 070   5 6 7
6 REACH  3 074   7   6 1320.      .09        1.66
6 RUNOFF 1 074       5 .063       90.        .24
6 ADDHYD 4 074   5 6 2
6 RUNOFF 1 023       4 .091       95.        .23
6 REACH  3 040   4   5 2650.      .08        1.66
```

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

```
6 RUNOFF 1 038       7 .125        79.         .44
6 REACH  3 040   7   6 1800.       .08         1.66
6 ADDHYD 4 040   5 6 7
6 RUNOFF 1 040       5 .094        82.         .51
6 ADDHYD 4 040   5 7 6
6 REACH  3 082   6   5 1400.       .1          1.66
6 RUNOFF 1 082       6 .063        84.         .27
6 ADDHYD 4 082   5 6 7
6 RUNOFF 1 039       5 .125        85.         .53
6 REACH  3 082   5   6 1867.       .1          1.66
6 ADDHYD 4 082   6 7 5
6 REACH  3 081   5   6 1320.       .22         1.54
6 RUNOFF 1 081       5 .063        77.         .52
6 ADDHYD 4 081   5 6 7
6 REACH  3 078   7   6 1320.       .09         1.66
6 RUNOFF 1 078       5 .063        86.         .27
6 ADDHYD 4 078   5 6 4
6 RUNOFF 1 022       5 .153        83.         .47
6 REACH  3 041   5   6 3100.       .24         1.66
6 RUNOFF 1 041       5 .172        84.         .38
6 ADDHYD 4 041   5 6 7
6 RUNOFF 1 042       5 .078        83.         .22
6 ADDHYD 4 042   5 7 6
6 REACH  3 078   6   5 1600.       .09         1.66
6 ADDHYD 4 078   4 5 6
6 REACH  3 077   6   5 1320.       .23         1.54
6 RUNOFF 1 077       6 .063        77.         .38
6 ADDHYD 4 077   5 6 7
6 REACH  3 069   7   6 1320.       .2          1.54
6 RUNOFF 1 069       5 .063        81.         .62
6 ADDHYD 4 069   5 6 7
6 RUNOFF 1 044       4 .125        83.         .30
6 REACH  3 067   4   5 1320.       .25         1.54
6 RUNOFF 1 067       4 .063        88.         .25
6 ADDHYD 4 067   4 5 6
6 REACH  3 069   6   5 1320.       .2          1.54
6 ADDHYD 4 069   5 7 6
6 REACH  3 074   6   5 1867.       .09         1.66
6 ADDHYD 4 074   2 5 3
6 REACH  3 114   3   4 3300.       .05         1.66
6 RUNOFF 1 114       5 .128        77.         1.19
6 ADDHYD 4 114   4 5 6
6 RUNOFF 1 071       4 .125        85.         .49
6 REACH  3 114   4   5 2200.       .05         1.66
6 ADDHYD 4 114   5 6 7
6 RUNOFF 1 064       4 .25         82.         .33
```

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

 6 REACH  3 072   4   5 2650.       .18         1.54
 6 RUNOFF 1 072       4 .125        83.         .49
 6 ADDHYD 4 072   4 5 6
 6 REACH  3 114   6   5 2000.0      .05         1.66
 6 ADDHYD 4 114   5 7 6
 6 RUNOFF 1 115       5 .094        82.         .45
 6 ADDHYD 4 114   5 6 7
 6 ADDHYD 4 114   1 7 5
 6 RUNOFF 1 119       6 .231        81.         1.05
 6 ADDHYD 4 119   5 6 7
 6 REACH  3 118   7   6 4000.       .05         1.66
 6 RUNOFF 1 118       5 .231        81.         1.59
 6 ADDHYD 4 118   5 6 7                                  1
   ENDATA
 7 INCREM 6             .08
 7 COMPUT 7 001   118               2.53        24.         1 2  01  01
   ENDCMP 1
 7 COMPUT 7 001   118               3.57        24.         1 2  01  02
   ENDCMP 1
 7 COMPUT 7 001   118               4.04        24.         1 2  01  03
   ENDCMP 1
 7 COMPUT 7 001   118               5.07        24.         1 2  01  04
   ENDCMP 1
   ENDJOB 2

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

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

EXECUTIVE CONTROL OPERATION COMPUT     FROM XSECTION   1  TO XSECTION 118                                     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  15 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***

     ***  WARNING  REACH 143 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***

     ***  WARNING  REACH 101 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***

*** WARNING-NO PEAK FOUND, MAXIMUM DISCHARGE =          .74 CFS.

***WARNING - LACK OF LOW FLOW DEFINITION FOR XSECT TABLE109. MAX.FLOW LESS THAN 2ND TABLE VALUE.

     ***  WARNING  REACH 109 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH  ***

*** WARNING-NO PEAK FOUND, MAXIMUM DISCHARGE =          .15 CFS.

     ***  WARNING  REACH  79 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***

     ***  WARNING  REACH  76 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***

     ***  WARNING  REACH  75 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***

     ***  WARNING  REACH  29 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH  ***
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***  WARNING  REACH  99 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
***  WARNING  REACH 134 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
***  WARNING  REACH 103 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
***  WARNING  REACH 104 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
***  WARNING  REACH 107 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
***  WARNING  REACH 108 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
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*** WARNING REACH 110 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 111 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH  46 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH  70 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH  74 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH  77 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH  69 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION ADDHYD   CROSS SECTION 118

          PEAK TIME(HRS)          PEAK DISCHARGE(CFS)          PEAK ELEVATION(FEET)
             13.30                     3802.54                       (NULL)
             21.00                      166.83                       (NULL)
             22.02                      167.26                       (NULL)
             23.04                      167.77                       (NULL)

EXECUTIVE CONTROL OPERATION ENDCMP     COMPUTATIONS COMPLETED FOR PASS   1                                RECORD ID


EXECUTIVE CONTROL OPERATION COMPUT     FROM XSECTION   1  TO XSECTION 118                                   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  15 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH  37 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 143 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH  88 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 101 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH  79 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***
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*** WARNING REACH  76 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***
*** WARNING REACH  75 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***
*** WARNING REACH  29 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH ***
*** WARNING REACH  32 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH ***
*** WARNING REACH  98 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***
*** WARNING REACH  99 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***
*** WARNING REACH 126 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***
*** WARNING REACH 134 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***
*** WARNING REACH 103 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***
*** WARNING REACH 104 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***
*** WARNING REACH 107 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***
*** WARNING REACH 108 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***
*** WARNING REACH 110 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***
*** WARNING REACH 111 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***
*** WARNING REACH 112 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***
*** WARNING REACH 113 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***
*** WARNING REACH  65 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***
*** WARNING REACH  68 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***
*** WARNING REACH  46 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***
*** WARNING REACH  66 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***
*** WARNING REACH  70 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***
*** WARNING REACH  74 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***
*** WARNING REACH  81 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***
*** WARNING REACH  77 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***
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*** WARNING REACH 69 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION ADDHYD CROSS SECTION 118

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.14	7623.72	(NULL)
21.04	258.16	(NULL)
21.99	260.71	(NULL)
22.99	262.82	(NULL)

EXECUTIVE CONTROL OPERATION ENDCMP COMPUTATIONS COMPLETED FOR PASS 2 RECORD ID

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 1 TO XSECTION 118 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 8 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 15 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 37 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 37 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 143 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 90 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 88 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 101 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 79 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 76 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 75 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 113 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

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*** WARNING REACH  29 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH  ***
*** WARNING REACH  32 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH  ***
*** WARNING REACH  98 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH  99 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH 126 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH 134 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH 103 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH 104 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH 107 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH 108 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH 110 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH 111 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH 112 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH 113 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH  65 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH  68 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH  46 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH  66 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH  70 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH  74 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH  81 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH  78 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH  77 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH  69 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
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*** WARNING REACH 74 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION ADDHYD CROSS SECTION 118

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.09	9590.35	(NULL)
19.34	313.21	(NULL)
21.04	300.50	(NULL)
21.99	303.57	(NULL)
22.98	306.24	(NULL)

EXECUTIVE CONTROL OPERATION ENDCMP COMPUTATIONS COMPLETED FOR PASS 3 RECORD ID

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 1 TO XSECTION 118 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 8 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 15 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 37 BY 643.5 CFS

*** WARNING REACH 37 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 37 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 143 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 90 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 88 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 101 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 79 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 76 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 75 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 113 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

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*** WARNING REACH  29 LENGTH FACTOR (K*) GREATER THAN 1.0, CONSIDER DIVIDING REACH LENGTH  ***
*** WARNING REACH  98 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH  99 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH 139 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH 126 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH 134 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH 103 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH 104 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH 107 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH 108 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH 110 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH 111 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH 112 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH 113 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH  57 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH  65 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH  68 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH  46 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH  59 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH  66 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH  68 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH  70 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH  74 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
*** WARNING REACH  82 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT  ***
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*** WARNING REACH 81 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 78 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 77 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 69 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

*** WARNING REACH 74 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION ADDHYD CROSS SECTION 118

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.04	14039.95	(NULL)
19.41	407.14	(NULL)
21.01	393.12	(NULL)
21.98	397.32	(NULL)
22.96	401.18	(NULL)

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	1	RUNOFF	.15	1	2	.08	.0	2.53	24.00	1.98	---	12.45	149.82	1012.3
XSECTION	2	RUNOFF	.10	1	2	.08	.0	2.53	24.00	1.99	---	12.44	100.45	1035.5
XSECTION	3	REACH	.15	1	2	.08	.0	2.53	24.00	1.98	---	12.66	145.14	980.7
XSECTION	3	REACH	.10	1	2	.08	.0	2.53	24.00	1.97	---	12.72	92.53	954.0
XSECTION	3	ADDHYD	.25	1	2	.08	.0	2.53	24.00	1.98	---	12.68	238.07	971.7
XSECTION	3	RUNOFF	.05	1	2	.08	.0	2.53	24.00	.75	---	12.54	22.94	488.1
XSECTION	3	ADDHYD	.29	1	2	.08	.0	2.53	24.00	1.78	---	12.63	255.59	875.3
XSECTION	6	RUNOFF	.11	1	2	.08	.0	2.53	24.00	.95	---	12.74	48.43	444.3
XSECTION	6	REACH	.29	1	2	.08	.0	2.53	24.00	1.78	1505.08	12.76	252.12	863.4
XSECTION	6	ADDHYD	.40	1	2	.08	.0	2.53	24.00	1.55	1505.23	12.76	300.45	749.2
XSECTION	8	REACH	.40	1	2	.08	.0	2.53	24.00	1.55	1496.66	12.92	285.81	712.7
XSECTION	7	RUNOFF	.12	1	2	.08	.0	2.53	24.00	.75	---	12.69	44.80	382.9
XSECTION	8	REACH	.12	1	2	.08	.0	2.53	24.00	.75	1494.84	12.82	43.28	369.9
XSECTION	19	RUNOFF	.02	1	2	.08	.0	2.53	24.00	1.99	---	12.44	22.96	1043.8
XSECTION	4	RUNOFF	.19	1	2	.08	.0	2.53	24.00	1.99	---	12.44	200.22	1026.8
XSECTION	4	REACH	.02	1	2	.08	.0	2.53	24.00	1.96	---	13.00	17.70	804.5
XSECTION	4	ADDHYD	.22	1	2	.08	.0	2.53	24.00	1.98	---	12.45	210.49	970.0
XSECTION	5	RUNOFF	.13	1	2	.08	.0	2.53	24.00	.75	---	12.62	52.47	419.7
XSECTION	5	REACH	.22	1	2	.08	.0	2.53	24.00	1.98	---	12.64	201.41	928.2
XSECTION	5	ADDHYD	.34	1	2	.08	.0	2.53	24.00	1.53	---	12.63	253.80	742.1
XSECTION	8	REACH	.34	1	2	.08	.0	2.53	24.00	1.52	1496.54	12.87	234.64	686.1
XSECTION	8	ADDHYD	.52	1	2	.08	.0	2.53	24.00	1.37	1496.73	12.90	327.15	631.6
XSECTION	8	ADDHYD	.86	1	2	.08	.0	2.53	24.00	1.43	1497.03	12.88	561.34	652.7
XSECTION	18	RUNOFF	.18	1	2	.08	.0	2.53	24.00	.80	---	12.70	73.81	401.1
XSECTION	8	REACH	.18	1	2	.08	.0	2.53	24.00	.79	1494.97	13.16	55.14	299.7
XSECTION	8	ADDHYD	1.04	1	2	.08	.0	2.53	24.00	1.32	1497.07	12.90	606.28	580.7
XSECTION	8	RUNOFF	.13	1	2	.08	.0	2.53	24.00	.80	---	12.71	50.85	388.2
XSECTION	8	ADDHYD	1.18	1	2	.08	.0	2.53	24.00	1.26	1497.11	12.89	650.56	553.7
XSECTION	14	REACH	1.18	1	2	.08	.0	2.53	24.00	1.25	1488.84	13.21	565.27	481.1
XSECTION	9	RUNOFF	.20	1	2	.08	.0	2.53	24.00	.75	---	12.83	64.48	325.6
XSECTION	14	REACH	.20	1	2	.08	.0	2.53	24.00	.74	1485.36	13.00	60.75	306.8
XSECTION	14	ADDHYD	1.37	1	2	.08	.0	2.53	24.00	1.18	1488.89	13.20	620.07	451.6

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 16	RUNOFF	.12	1	2	.08	.0	2.53	24.00	1.26	---	12.57	79.99	672.2
XSECTION 15	REACH	.12	1	2	.08	.0	2.53	24.00	1.26	---	12.65	79.78	670.5
XSECTION 15	RUNOFF	.07	1	2	.08	.0	2.53	24.00	1.01	---	12.77	32.88	450.4
XSECTION 15	ADDHYD	.19	1	2	.08	.0	2.53	24.00	1.16	---	12.68	111.65	581.5
XSECTION 14	ADDHYD	1.57	1	2	.08	.0	2.53	24.00	1.18	1488.93	13.15	664.81	424.8
XSECTION 14	RUNOFF	.18	1	2	.08	.0	2.53	24.00	1.07	---	12.53	113.69	642.3
XSECTION 14	ADDHYD	1.74	1	2	.08	.0	2.53	24.00	1.17	1488.95	13.14	681.16	391.0
XSECTION 27	REACH	1.74	1	2	.08	.0	2.53	24.00	1.16	1472.45	13.43	609.86	350.1
XSECTION 17	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.99	---	12.44	61.59	1043.8
XSECTION 25	REACH	.06	1	2	.08	.0	2.53	24.00	1.97	---	12.98	50.43	854.7
XSECTION 25	RUNOFF	.09	1	2	.08	.0	2.53	24.00	1.07	---	12.54	55.78	626.8
XSECTION 25	ADDHYD	.15	1	2	.08	.0	2.53	24.00	1.43	---	12.59	93.03	628.6
XSECTION 27	REACH	.15	1	2	.08	.0	2.53	24.00	1.42	1469.75	12.73	89.64	605.7
XSECTION 27	ADDHYD	1.89	1	2	.08	.0	2.53	24.00	1.18	1472.52	13.38	652.69	345.3
XSECTION 26	RUNOFF	.07	1	2	.08	.0	2.53	24.00	1.20	---	12.49	48.39	722.3
XSECTION 27	ADDHYD	1.96	1	2	.08	.0	2.53	24.00	1.18	1472.52	13.38	656.28	335.4
XSECTION 27	RUNOFF	.19	1	2	.08	.0	2.53	24.00	.89	---	12.97	63.08	335.5
XSECTION 27	ADDHYD	2.15	1	2	.08	.0	2.53	24.00	1.16	1472.55	13.34	704.39	328.4
XSECTION 37	REACH	2.15	1	2	.08	.0	2.53	24.00	1.15	1454.82	13.48	698.00	325.4
XSECTION 37	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.07	---	12.47	85.28	682.3
XSECTION 37	ADDHYD	2.27	1	2	.08	.0	2.53	24.00	1.15	1454.83	13.48	703.89	310.1
STRUCTURE 37	RESVOR	2.27	1	2	.08	.0	2.53	24.00	1.13	1449.69	13.51	703.04	309.7
XSECTION 24	RUNOFF	.20	1	2	.08	.0	2.53	24.00	.96	---	12.56	110.32	557.2
XSECTION 37	REACH	.20	1	2	.08	.0	2.53	24.00	.95	1452.93	12.68	106.86	539.7
XSECTION 37	ADDHYD	2.47	1	2	.08	.0	2.53	24.00	1.11	1454.85	13.49	716.55	290.3
XSECTION 143	REACH	2.47	1	2	.08	.0	2.53	24.00	1.11	---	13.60	714.31	289.4
XSECTION 86	DIVERT	1.23	1	2	.08	.0	2.53	24.00	.00	---	.00	.00	.0
XSECTION 85	DIVERT	1.23	1	2	.08	.0	2.53	24.00	2.22	1429.44	13.60	714.31	578.9
XSECTION 86	REACH	1.23	1	2	.08	.0	2.53	24.00	.00	---	.00	.00	.0
XSECTION 86	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.26	---	12.47	48.06	762.9
XSECTION 86	ADDHYD	1.30	1	2	.08	.0	2.53	24.00	.06	1429.92	12.47	48.06	37.1
XSECTION 87	REACH	1.30	1	2	.08	.0	2.53	24.00	.06	1429.91	12.81	39.30	30.3
XSECTION 87	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.07	---	12.57	37.47	594.8
XSECTION 87	ADDHYD	1.36	1	2	.08	.0	2.53	24.00	.11	1429.95	12.66	71.43	52.5
XSECTION 105	REACH	1.36	1	2	.08	.0	2.53	24.00	.11	1417.48	13.02	57.14	42.0
XSECTION 10	RUNOFF	.09	1	2	.08	.0	2.53	24.00	.75	---	12.62	39.88	419.7

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 1													
XSECTION 11	REACH	.09	1	2	.08	.0	2.53	24.00	.75	---	12.79	36.00	378.9
XSECTION 11	RUNOFF	.23	1	2	.08	.0	2.53	24.00	.75	---	12.77	81.19	347.0
XSECTION 11	ADDHYD	.33	1	2	.08	.0	2.53	24.00	.75	---	12.78	117.15	356.1
XSECTION 28	REACH	.33	1	2	.08	.0	2.53	24.00	.73	---	13.52	71.35	216.9
XSECTION 13	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.01	---	12.62	66.41	531.3
XSECTION 28	REACH	.13	1	2	.08	.0	2.53	24.00	.99	---	13.47	38.97	311.8
XSECTION 28	ADDHYD	.45	1	2	.08	.0	2.53	24.00	.80	---	13.50	110.19	242.7
XSECTION 28	RUNOFF	.16	1	2	.08	.0	2.53	24.00	.84	---	12.81	57.59	369.2
XSECTION 28	ADDHYD	.61	1	2	.08	.0	2.53	24.00	.81	---	13.37	134.67	220.8
XSECTION 36	REACH	.61	1	2	.08	.0	2.53	24.00	.81	---	13.80	115.32	189.1
XSECTION 36	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.07	---	12.56	76.12	608.9
XSECTION 36	ADDHYD	.74	1	2	.08	.0	2.53	24.00	.85	---	13.76	120.71	164.2
XSECTION 90	REACH	.74	1	2	.08	.0	2.53	24.00	.85	---	14.03	117.02	159.2
XSECTION 34	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.13	---	12.67	68.82	550.6
XSECTION 35	REACH	.13	1	2	.08	.0	2.53	24.00	1.12	---	12.81	66.44	531.5
XSECTION 35	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.07	---	12.56	75.62	605.0
XSECTION 35	ADDHYD	.25	1	2	.08	.0	2.53	24.00	1.10	---	12.63	133.11	532.4
XSECTION 91	REACH	.25	1	2	.08	.0	2.53	24.00	1.09	---	12.85	116.91	467.7
XSECTION 91	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.26	---	12.54	87.51	700.1
XSECTION 91	ADDHYD	.38	1	2	.08	.0	2.53	24.00	1.15	---	12.66	184.82	492.9
XSECTION 90	REACH	.38	1	2	.08	.0	2.53	24.00	1.14	---	12.80	179.34	478.2
XSECTION 90	RUNOFF	.11	1	2	.08	.0	2.53	24.00	1.19	---	12.61	66.45	609.6
XSECTION 90	ADDHYD	.48	1	2	.08	.0	2.53	24.00	1.16	---	12.74	239.13	494.1
XSECTION 90	ADDHYD	1.22	1	2	.08	.0	2.53	24.00	.97	---	12.77	322.55	264.6
XSECTION 88	REACH	1.22	1	2	.08	.0	2.53	24.00	.97	---	12.89	317.37	260.4
XSECTION 88	RUNOFF	.09	1	2	.08	.0	2.53	24.00	1.32	---	12.66	59.09	628.7
XSECTION 88	ADDHYD	1.31	1	2	.08	.0	2.53	24.00	.99	---	12.85	368.03	280.3
XSECTION 89	RUNOFF	.05	1	2	.08	.0	2.53	24.00	1.13	---	12.53	31.57	671.6
XSECTION 88	REACH	.05	1	2	.08	.0	2.53	24.00	1.12	---	12.87	26.20	557.4
XSECTION 88	ADDHYD	1.36	1	2	.08	.0	2.53	24.00	1.00	---	12.86	394.19	289.8
XSECTION 101	REACH	1.36	1	2	.08	.0	2.53	24.00	1.00	---	12.96	391.58	287.9
XSECTION 101	RUNOFF	.05	1	2	.08	.0	2.53	24.00	1.47	---	12.55	36.53	777.3
XSECTION 101	ADDHYD	1.41	1	2	.08	.0	2.53	24.00	1.01	---	12.93	407.17	289.4
XSECTION 102	REACH	1.41	1	2	.08	.0	2.53	24.00	1.01	---	13.24	375.31	266.7
XSECTION 102	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.01	---	12.63	33.03	524.3
XSECTION 102	ADDHYD	1.47	1	2	.08	.0	2.53	24.00	1.01	---	13.22	384.82	261.8

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 105	REACH	1.47	1	2	.08	.0	2.53	24.00	1.00	1417.88	13.41	370.71	252.2
XSECTION 105	RUNOFF	.06	1	2	.08	.0	2.53	24.00	.80	---	12.64	26.47	420.2
XSECTION 105	ADDHYD	1.53	1	2	.08	.0	2.53	24.00	.99	1417.88	13.40	376.08	245.3
XSECTION 105	ADDHYD	2.89	1	2	.08	.0	2.53	24.00	.58	1417.92	13.36	420.38	145.3
XSECTION 107	REACH	2.89	1	2	.08	.0	2.53	24.00	.58	1417.91	13.55	407.41	140.8
XSECTION 107	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.01	---	12.54	35.46	601.0
XSECTION 107	ADDHYD	2.95	1	2	.08	.0	2.53	24.00	.58	1417.91	13.55	410.34	139.0
XSECTION 85	REACH	1.23	1	2	.08	.0	2.53	24.00	2.21	1429.43	13.80	699.46	566.8
XSECTION 85	RUNOFF	.06	1	2	.08	.0	2.53	24.00	.90	---	12.59	32.19	510.9
XSECTION 85	ADDHYD	1.30	1	2	.08	.0	2.53	24.00	2.15	1429.43	13.80	701.97	541.2
XSECTION 83	REACH	1.30	1	2	.08	.0	2.53	24.00	2.14	1429.43	14.00	688.10	530.5
XSECTION 83	RUNOFF	.06	1	2	.08	.0	2.53	24.00	.95	---	12.58	33.91	538.2
XSECTION 83	ADDHYD	1.36	1	2	.08	.0	2.53	24.00	2.09	1429.43	14.00	690.21	507.5
XSECTION 84	RUNOFF	.06	1	2	.08	.0	2.53	24.00	.80	---	12.60	28.86	458.1
XSECTION 83	REACH	.06	1	2	.08	.0	2.53	24.00	.80	1428.91	12.78	25.18	399.7
XSECTION 83	ADDHYD	1.42	1	2	.08	.0	2.53	24.00	2.03	1429.43	13.99	693.00	487.0
XSECTION 109	DIVERT	.71	1	2	.08	.0	2.53	24.00	.00	1418.04	14.00?	.74?	1.0
XSECTION 80	DIVERT	.71	1	2	.08	.0	2.53	24.00	4.06	1418.04	13.99	692.27	973.0
XSECTION 109	REACH	.71	1	2	.08	.0	2.53	24.00	.00	1418.01	15.04?	.15?	.2
XSECTION 109	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.13	---	12.49	43.97	697.9
XSECTION 109	ADDHYD	.77	1	2	.08	.0	2.53	24.00	.09	1418.40	12.49	43.97	56.8
XSECTION 80	REACH	.71	1	2	.08	.0	2.53	24.00	4.05	1418.04	14.13	688.85	968.2
XSECTION 80	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.07	---	12.55	39.05	619.9
XSECTION 80	ADDHYD	.77	1	2	.08	.0	2.53	24.00	3.81	1418.04	14.13	690.89	892.1
XSECTION 79	REACH	.77	1	2	.08	.0	2.53	24.00	3.80	---	14.23	689.88	890.7
XSECTION 79	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.40	---	12.46	52.20	828.6
XSECTION 79	ADDHYD	.84	1	2	.08	.0	2.53	24.00	3.62	---	14.23	692.24	826.6
XSECTION 76	REACH	.84	1	2	.08	.0	2.53	24.00	3.61	---	14.33	691.23	825.3
XSECTION 76	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.26	---	12.47	48.49	769.7
XSECTION 76	ADDHYD	.90	1	2	.08	.0	2.53	24.00	3.45	---	14.33	693.49	770.1
XSECTION 75	REACH	.90	1	2	.08	.0	2.53	24.00	3.44	---	14.43	692.49	769.0
XSECTION 75	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.98	---	12.52	60.48	960.1
XSECTION 75	ADDHYD	.96	1	2	.08	.0	2.53	24.00	3.35	---	14.43	695.24	721.6
XSECTION 113	REACH	.96	1	2	.08	.0	2.53	24.00	3.34	---	14.57	691.60	717.8
XSECTION 112	RUNOFF	.06	1	2	.08	.0	2.53	24.00	.75	---	12.57	27.47	450.4
XSECTION 113	REACH	.06	1	2	.08	.0	2.53	24.00	.75	---	12.85	22.27	365.1

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 113	ADDHYD	1.02	1	2	.08	.0	2.53	24.00	3.19	---	14.57	693.40	676.8
XSECTION 113	RUNOFF	.05	1	2	.08	.0	2.53	24.00	1.26	---	12.56	36.25	684.0
XSECTION 113	ADDHYD	1.08	1	2	.08	.0	2.53	24.00	3.09	---	14.57	695.31	645.3
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
XSECTION 97	REACH	.13	1	2	.08	.0	2.53	24.00	1.00	---	12.87	58.19	465.5
XSECTION 97	RUNOFF	.19	1	2	.08	.0	2.53	24.00	1.33	---	12.56	132.96	707.3
XSECTION 97	ADDHYD	.31	1	2	.08	.0	2.53	24.00	1.20	---	12.62	177.34	566.6

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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 1													
XSECTION 98	REACH	.31	1	2	.08	.0	2.53	24.00	1.20	---	12.74	172.59	551.4
XSECTION 98	ADDHYD	1.97	1	2	.08	.0	2.53	24.00	.95	---	12.91	496.63	252.7
XSECTION 98	RUNOFF	.09	1	2	.08	.0	2.53	24.00	1.26	---	12.51	68.89	732.8
XSECTION 98	ADDHYD	2.06	1	2	.08	.0	2.53	24.00	.96	---	12.87	516.29	250.7
XSECTION 99	REACH	2.06	1	2	.08	.0	2.53	24.00	.96	---	12.99	512.01	248.7
XSECTION 99	RUNOFF	.09	1	2	.08	.0	2.53	24.00	1.26	---	12.55	65.28	694.5
XSECTION 99	ADDHYD	2.15	1	2	.08	.0	2.53	24.00	.98	---	12.93	536.08	249.0
XSECTION 139	REACH	2.15	1	2	.08	.0	2.53	24.00	.97	---	13.11	524.05	243.4
XSECTION 100	RUNOFF	.08	1	2	.08	.0	2.53	24.00	1.26	---	12.52	57.05	731.4
XSECTION 139	REACH	.08	1	2	.08	.0	2.53	24.00	1.25	---	12.72	54.55	699.3
XSECTION 139	ADDHYD	2.23	1	2	.08	.0	2.53	24.00	.98	---	13.04	548.53	245.9
XSECTION 142	RUNOFF	.25	1	2	.08	.0	2.53	24.00	1.06	---	13.08	90.23	360.9
XSECTION 141	REACH	.25	1	2	.08	.0	2.53	24.00	1.05	---	13.37	81.96	327.8
XSECTION 141	RUNOFF	.19	1	2	.08	.0	2.53	24.00	1.33	---	12.56	132.96	707.3
XSECTION 141	ADDHYD	.44	1	2	.08	.0	2.53	24.00	1.17	---	12.63	162.39	370.8
XSECTION 140	REACH	.44	1	2	.08	.0	2.53	24.00	1.17	---	12.78	154.86	353.6
XSECTION 140	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.26	---	12.53	89.04	712.3
XSECTION 140	ADDHYD	.56	1	2	.08	.0	2.53	24.00	1.19	---	12.64	227.37	403.8
XSECTION 137	RUNOFF	.08	1	2	.08	.0	2.53	24.00	.85	---	12.58	38.50	493.7
XSECTION 140	ADDHYD	.64	1	2	.08	.0	2.53	24.00	1.15	---	12.62	265.24	413.8
XSECTION 139	REACH	.64	1	2	.08	.0	2.53	24.00	1.14	---	12.96	220.75	344.4
XSECTION 139	ADDHYD	2.87	1	2	.08	.0	2.53	24.00	1.02	---	13.01	767.33	267.2
XSECTION 136	RUNOFF	.07	1	2	.08	.0	2.53	24.00	1.99	---	12.44	68.89	1043.8
XSECTION 138	REACH	.07	1	2	.08	.0	2.53	24.00	1.97	---	12.71	62.93	953.5
XSECTION 138	RUNOFF	.20	1	2	.08	.0	2.53	24.00	1.13	---	12.47	145.60	717.3
XSECTION 138	ADDHYD	.27	1	2	.08	.0	2.53	24.00	1.34	---	12.48	202.72	753.6
XSECTION 139	REACH	.27	1	2	.08	.0	2.53	24.00	1.33	---	12.72	175.88	653.8
XSECTION 139	ADDHYD	3.14	1	2	.08	.0	2.53	24.00	1.04	---	12.92	903.61	287.7
XSECTION 139	RUNOFF	.19	1	2	.08	.0	2.53	24.00	1.33	---	12.53	140.34	746.5
XSECTION 139	ADDHYD	3.33	1	2	.08	.0	2.53	24.00	1.06	---	12.84	960.91	288.6
XSECTION 129	RUNOFF	.11	1	2	.08	.0	2.53	24.00	1.02	---	12.45	74.46	689.5
XSECTION 130	RUNOFF	.03	1	2	.08	.0	2.53	24.00	1.63	---	12.45	29.32	945.9
XSECTION 129	ADDHYD	.14	1	2	.08	.0	2.53	24.00	1.15	---	12.45	103.76	746.5
XSECTION 127	REACH	.14	1	2	.08	.0	2.53	24.00	1.14	---	12.83	84.24	606.0
XSECTION 128	RUNOFF	.04	1	2	.08	.0	2.53	24.00	.91	---	12.46	22.79	633.1
XSECTION 127	REACH	.04	1	2	.08	.0	2.53	24.00	.89	---	13.03	14.55	404.3

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 127	ADDHYD	.17	1	2	.08	.0	2.53	24.00	1.09	---	12.85	96.52	551.5
XSECTION 127	RUNOFF	.16	1	2	.08	.0	2.53	24.00	1.02	---	12.46	106.50	669.8
XSECTION 127	ADDHYD	.33	1	2	.08	.0	2.53	24.00	1.06	---	12.51	169.41	507.2
XSECTION 132	RUNOFF	.14	1	2	.08	.0	2.53	24.00	1.40	---	12.47	119.20	822.1
XSECTION 131	REACH	.14	1	2	.08	.0	2.53	24.00	1.40	---	12.68	113.33	781.6
XSECTION 131	ADDHYD	.48	1	2	.08	.0	2.53	24.00	1.16	---	12.53	276.01	576.2
XSECTION 131	RUNOFF	.12	1	2	.08	.0	2.53	24.00	1.26	---	12.47	90.78	762.9
XSECTION 131	ADDHYD	.60	1	2	.08	.0	2.53	24.00	1.18	---	12.52	363.93	608.6
XSECTION 126	REACH	.60	1	2	.08	.0	2.53	24.00	1.18	---	12.62	354.92	593.5
XSECTION 126	RUNOFF	.16	1	2	.08	.0	2.53	24.00	1.98	---	12.45	160.33	1014.8
XSECTION 126	ADDHYD	.76	1	2	.08	.0	2.53	24.00	1.34	---	12.55	493.32	652.5
XSECTION 134	REACH	.76	1	2	.08	.0	2.53	24.00	1.34	---	12.65	484.67	641.1
XSECTION 135	RUNOFF	.04	1	2	.08	.0	2.53	24.00	1.99	---	12.44	43.84	1043.8
XSECTION 134	REACH	.04	1	2	.08	.0	2.53	24.00	1.97	---	12.90	36.60	871.4
XSECTION 134	ADDHYD	.80	1	2	.08	.0	2.53	24.00	1.38	---	12.65	516.71	647.5
XSECTION 134	RUNOFF	.20	1	2	.08	.0	2.53	24.00	1.20	---	12.49	142.29	722.3
XSECTION 134	ADDHYD	1.00	1	2	.08	.0	2.53	24.00	1.34	---	12.59	635.36	638.6
XSECTION 125	RUNOFF	.12	1	2	.08	.0	2.53	24.00	1.99	---	12.44	122.13	1043.8
XSECTION 125	ADDHYD	1.11	1	2	.08	.0	2.53	24.00	1.41	---	12.53	731.59	657.9
XSECTION 124	REACH	1.11	1	2	.08	.0	2.53	24.00	1.40	---	12.74	694.61	624.6
XSECTION 124	RUNOFF	.22	1	2	.08	.0	2.53	24.00	1.13	---	12.47	155.75	711.2
XSECTION 124	ADDHYD	1.33	1	2	.08	.0	2.53	24.00	1.36	---	12.62	766.53	575.9
XSECTION 103	REACH	3.33	1	2	.08	.0	2.53	24.00	1.06	---	12.84	960.91	288.6
XSECTION 103	RUNOFF	.08	1	2	.08	.0	2.53	24.00	1.13	---	12.48	57.51	710.1
XSECTION 103	ADDHYD	3.41	1	2	.08	.0	2.53	24.00	1.06	---	12.82	972.38	285.2
XSECTION 104	REACH	3.41	1	2	.08	.0	2.53	24.00	1.06	---	12.82	972.38	285.2
XSECTION 104	ADDHYD	4.74	1	2	.08	.0	2.53	24.00	1.15	---	12.73	1706.17	359.9
XSECTION 104	RUNOFF	.07	1	2	.08	.0	2.53	24.00	.80	---	12.67	28.35	410.9
XSECTION 104	ADDHYD	4.81	1	2	.08	.0	2.53	24.00	1.14	---	12.73	1734.16	360.5
XSECTION 107	REACH	4.81	1	2	.08	.0	2.53	24.00	1.14	1418.48	12.73	1734.16	360.5
XSECTION 107	ADDHYD	7.76	1	2	.08	.0	2.53	24.00	.93	1418.53	12.78	1919.64	247.3
XSECTION 123	RUNOFF	.21	1	2	.08	.0	2.53	24.00	1.99	---	12.44	217.28	1020.1
XSECTION 107	ADDHYD	7.97	1	2	.08	.0	2.53	24.00	.96	1418.56	12.66	1997.36	250.5
XSECTION 108	REACH	7.97	1	2	.08	.0	2.53	24.00	.96	---	12.66	1997.36	250.5
XSECTION 106	RUNOFF	.06	1	2	.08	.0	2.53	24.00	.85	---	12.61	29.64	470.5
XSECTION 108	REACH	.06	1	2	.08	.0	2.53	24.00	.84	---	12.84	27.67	439.2

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 1													
XSECTION 108	RUNOFF	.03	1	2	.08	.0	2.53	24.00	.85	---	12.50	14.00	559.8
XSECTION 108	ADDHYD	.09	1	2	.08	.0	2.53	24.00	.85	---	12.60	34.05	387.0
XSECTION 108	ADDHYD	8.06	1	2	.08	.0	2.53	24.00	.96	---	12.66	2030.75	251.9
XSECTION 109	ADDHYD	8.84	1	2	.08	.0	2.53	24.00	.88	1419.96	12.64	2061.92	233.3
XSECTION 110	REACH	8.84	1	2	.08	.0	2.53	24.00	.88	---	12.64	2061.92	233.3
XSECTION 122	RUNOFF	.35	1	2	.08	.0	2.53	24.00	1.20	---	12.48	258.14	727.2
XSECTION 122	ADDHYD	9.19	1	2	.08	.0	2.53	24.00	.89	---	12.59	2293.75	249.5
XSECTION 110	RUNOFF	.07	1	2	.08	.0	2.53	24.00	.80	---	12.61	32.47	444.8
XSECTION 110	ADDHYD	9.27	1	2	.08	.0	2.53	24.00	.89	---	12.59	2325.98	251.0
XSECTION 111	REACH	9.27	1	2	.08	.0	2.53	24.00	.89	---	12.59	2325.98	251.0
XSECTION 111	RUNOFF	.07	1	2	.08	.0	2.53	24.00	.75	---	12.62	29.38	419.7
XSECTION 111	ADDHYD	9.34	1	2	.08	.0	2.53	24.00	.89	---	12.59	2355.11	252.3
XSECTION 112	REACH	9.34	1	2	.08	.0	2.53	24.00	.89	---	12.71	2298.02	246.2
XSECTION 121	RUNOFF	.25	1	2	.08	.0	2.53	24.00	1.99	---	12.44	260.66	1042.6
XSECTION 112	ADDHYD	9.59	1	2	.08	.0	2.53	24.00	.92	---	12.67	2357.41	245.9
XSECTION 113	REACH	9.59	1	2	.08	.0	2.53	24.00	.92	---	12.79	2329.36	243.0
XSECTION 113	ADDHYD	10.66	1	2	.08	.0	2.53	24.00	1.14	---	12.79	2602.73	244.1
XSECTION 120	RUNOFF	.23	1	2	.08	.0	2.53	24.00	1.33	---	12.49	181.43	785.4
XSECTION 113	ADDHYD	10.89	1	2	.08	.0	2.53	24.00	1.14	---	12.75	2668.12	244.9
XSECTION 114	REACH	10.89	1	2	.08	.0	2.53	24.00	1.14	---	12.99	2537.55	232.9
XSECTION 49	RUNOFF	.09	1	2	.08	.0	2.53	24.00	1.99	---	12.44	89.06	1035.5
XSECTION 48	REACH	.09	1	2	.08	.0	2.53	24.00	1.97	---	12.72	82.18	955.5
XSECTION 48	RUNOFF	.13	1	2	.08	.0	2.53	24.00	.85	---	12.63	57.85	462.8
XSECTION 48	ADDHYD	.21	1	2	.08	.0	2.53	24.00	1.31	---	12.67	138.33	655.6
XSECTION 20	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.99	---	12.44	66.80	1043.8
XSECTION 48	REACH	.06	1	2	.08	.0	2.53	24.00	1.96	---	13.09	49.69	776.4
XSECTION 48	ADDHYD	.28	1	2	.08	.0	2.53	24.00	1.46	---	12.71	175.03	636.5
XSECTION 56	REACH	.28	1	2	.08	.0	2.53	24.00	1.46	---	12.86	167.00	607.3
XSECTION 56	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.02	---	12.48	41.18	653.7
XSECTION 56	ADDHYD	.34	1	2	.08	.0	2.53	24.00	1.37	---	12.81	174.07	515.0
XSECTION 57	REACH	.34	1	2	.08	.0	2.53	24.00	1.37	---	12.94	172.62	510.7
XSECTION 57	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.02	---	12.48	41.18	653.7
XSECTION 57	ADDHYD	.40	1	2	.08	.0	2.53	24.00	1.32	---	12.65	182.71	455.6
XSECTION 60	REACH	.40	1	2	.08	.0	2.53	24.00	1.31	---	13.02	176.95	441.3
XSECTION 60	RUNOFF	.06	1	2	.08	.0	2.53	24.00	.96	---	12.57	34.53	548.1
XSECTION 60	ADDHYD	.46	1	2	.08	.0	2.53	24.00	1.26	---	12.76	196.64	499.8

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 58	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.13	---	12.47	44.80	711.2
XSECTION 60	REACH	.06	1	2	.08	.0	2.53	24.00	1.13	---	12.60	42.12	668.6
XSECTION 60	ADDHYD	.53	1	2	.08	.0	2.53	24.00	1.25	---	12.70	232.93	442.0
XSECTION 65	REACH	.53	1	2	.08	.0	2.53	24.00	1.25	---	12.82	228.57	433.7
XSECTION 65	RUNOFF	.06	1	2	.08	.0	2.53	24.00	.75	---	12.59	27.83	441.7
XSECTION 65	ADDHYD	.59	1	2	.08	.0	2.53	24.00	1.19	---	12.79	247.73	419.9
XSECTION 68	REACH	.59	1	2	.08	.0	2.53	24.00	1.19	---	12.91	242.98	411.8
XSECTION 68	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.20	---	12.47	46.64	740.3
XSECTION 68	ADDHYD	.65	1	2	.08	.0	2.53	24.00	1.19	---	12.90	249.53	382.1
XSECTION 47	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.01	---	12.51	79.43	635.5
XSECTION 46	REACH	.13	1	2	.08	.0	2.53	24.00	1.01	---	12.61	78.59	628.7
XSECTION 46	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.01	---	12.49	80.04	640.3
XSECTION 46	ADDHYD	.25	1	2	.08	.0	2.53	24.00	1.01	---	12.53	155.77	623.1
XSECTION 59	REACH	.25	1	2	.08	.0	2.53	24.00	1.01	---	12.75	142.80	571.2
XSECTION 59	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.02	---	12.48	41.18	653.7
XSECTION 59	ADDHYD	.31	1	2	.08	.0	2.53	24.00	1.01	---	12.60	161.39	515.6
XSECTION 21	RUNOFF	.19	1	2	.08	.0	2.53	24.00	1.07	---	12.60	107.73	570.0
XSECTION 43	RUNOFF	.05	1	2	.08	.0	2.53	24.00	1.26	---	12.45	37.81	804.5
XSECTION 21	ADDHYD	.24	1	2	.08	.0	2.53	24.00	1.11	---	12.51	139.00	589.0
XSECTION 45	REACH	.24	1	2	.08	.0	2.53	24.00	1.10	---	12.86	103.99	440.6
XSECTION 45	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.26	---	12.56	85.49	683.9
XSECTION 45	ADDHYD	.36	1	2	.08	.0	2.53	24.00	1.15	---	12.67	174.40	483.1
XSECTION 59	REACH	.36	1	2	.08	.0	2.53	24.00	1.15	---	12.81	168.18	465.9
XSECTION 59	ADDHYD	.67	1	2	.08	.0	2.53	24.00	1.09	---	12.74	320.90	476.1
XSECTION 66	REACH	.67	1	2	.08	.0	2.53	24.00	1.08	---	12.86	317.04	470.4
XSECTION 66	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.07	---	12.55	38.69	614.1
XSECTION 66	ADDHYD	.74	1	2	.08	.0	2.53	24.00	1.08	---	12.81	338.11	458.8
XSECTION 68	REACH	.74	1	2	.08	.0	2.53	24.00	1.08	---	12.95	330.85	448.9
XSECTION 68	ADDHYD	1.39	1	2	.08	.0	2.53	24.00	1.13	---	12.93	579.02	416.6
XSECTION 70	REACH	1.39	1	2	.08	.0	2.53	24.00	1.13	---	13.05	573.10	412.3
XSECTION 70	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.26	---	12.47	48.49	769.7
XSECTION 70	ADDHYD	1.45	1	2	.08	.0	2.53	24.00	1.14	---	13.04	578.28	398.0
XSECTION 74	REACH	1.45	1	2	.08	.0	2.53	24.00	1.13	---	13.16	573.21	394.5
XSECTION 74	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.55	---	12.46	56.24	892.6
XSECTION 74	ADDHYD	1.52	1	2	.08	.0	2.53	24.00	1.15	---	13.15	577.78	381.1
XSECTION 23	RUNOFF	.09	1	2	.08	.0	2.53	24.00	1.99	---	12.45	98.41	1026.5

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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 40	REACH	.09	1	2	.08	.0	2.53	24.00	1.97	---	12.76	82.68	908.6
XSECTION 38	RUNOFF	.13	1	2	.08	.0	2.53	24.00	.85	---	12.56	63.86	510.9
XSECTION 40	REACH	.13	1	2	.08	.0	2.53	24.00	.84	---	12.83	52.54	420.4
XSECTION 40	ADDHYD	.22	1	2	.08	.0	2.53	24.00	1.32	---	12.79	134.43	622.3
XSECTION 40	RUNOFF	.09	1	2	.08	.0	2.53	24.00	1.01	---	12.58	53.25	566.5
XSECTION 40	ADDHYD	.31	1	2	.08	.0	2.53	24.00	1.23	---	12.71	177.94	574.0
XSECTION 82	REACH	.31	1	2	.08	.0	2.53	24.00	1.22	---	12.85	172.33	555.9
XSECTION 82	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.13	---	12.48	44.37	704.3
XSECTION 82	ADDHYD	.37	1	2	.08	.0	2.53	24.00	1.21	---	12.66	183.88	493.0
XSECTION 39	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.19	---	12.57	80.82	646.6
XSECTION 82	REACH	.13	1	2	.08	.0	2.53	24.00	1.19	---	12.84	72.20	577.6
XSECTION 82	ADDHYD	.50	1	2	.08	.0	2.53	24.00	1.20	---	12.80	254.04	510.1
XSECTION 81	REACH	.50	1	2	.08	.0	2.53	24.00	1.20	---	12.92	251.89	505.8
XSECTION 81	RUNOFF	.06	1	2	.08	.0	2.53	24.00	.75	---	12.60	27.34	433.9
XSECTION 81	ADDHYD	.56	1	2	.08	.0	2.53	24.00	1.15	---	12.85	267.02	476.0
XSECTION 78	REACH	.56	1	2	.08	.0	2.53	24.00	1.15	---	13.00	263.62	469.9
XSECTION 78	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.26	---	12.47	48.06	762.9
XSECTION 78	ADDHYD	.62	1	2	.08	.0	2.53	24.00	1.16	---	12.98	269.44	431.8
XSECTION 22	RUNOFF	.15	1	2	.08	.0	2.53	24.00	1.07	---	12.55	93.43	610.7
XSECTION 41	REACH	.15	1	2	.08	.0	2.53	24.00	1.06	---	12.81	83.64	546.7
XSECTION 41	RUNOFF	.17	1	2	.08	.0	2.53	24.00	1.13	---	12.53	116.10	675.0
XSECTION 41	ADDHYD	.32	1	2	.08	.0	2.53	24.00	1.10	---	12.57	181.67	559.0
XSECTION 42	RUNOFF	.08	1	2	.08	.0	2.53	24.00	1.07	---	12.46	54.11	693.7
XSECTION 42	ADDHYD	.40	1	2	.08	.0	2.53	24.00	1.09	---	12.53	232.12	576.0
XSECTION 78	REACH	.40	1	2	.08	.0	2.53	24.00	1.09	---	12.74	216.84	538.1
XSECTION 78	ADDHYD	1.03	1	2	.08	.0	2.53	24.00	1.13	---	12.79	470.94	458.6
XSECTION 77	REACH	1.03	1	2	.08	.0	2.53	24.00	1.13	---	12.90	466.43	454.2
XSECTION 77	RUNOFF	.06	1	2	.08	.0	2.53	24.00	.75	---	12.54	30.25	480.1
XSECTION 77	ADDHYD	1.09	1	2	.08	.0	2.53	24.00	1.11	---	12.88	476.05	436.7
XSECTION 69	REACH	1.09	1	2	.08	.0	2.53	24.00	1.11	---	13.00	470.68	431.8
XSECTION 69	RUNOFF	.06	1	2	.08	.0	2.53	24.00	.95	---	12.63	31.97	507.4
XSECTION 69	ADDHYD	1.15	1	2	.08	.0	2.53	24.00	1.10	---	12.98	488.08	423.3
XSECTION 44	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.07	---	12.50	83.51	668.1
XSECTION 67	REACH	.13	1	2	.08	.0	2.53	24.00	1.07	---	12.62	80.24	641.9
XSECTION 67	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.40	---	12.46	52.20	828.6
XSECTION 67	ADDHYD	.19	1	2	.08	.0	2.53	24.00	1.18	---	12.53	[illegible]	[illegible]

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 69	REACH	.19	1	2	.08	.0	2.53	24.00	1.18	---	12.73	120.93	643.2
XSECTION 69	ADDHYD	1.34	1	2	.08	.0	2.53	24.00	1.11	---	12.89	582.09	434.1
XSECTION 74	REACH	1.34	1	2	.08	.0	2.53	24.00	1.11	---	13.04	568.49	423.9
XSECTION 74	ADDHYD	2.86	1	2	.08	.0	2.53	24.00	1.13	---	13.10	1137.72	398.2
XSECTION 114	REACH	2.86	1	2	.08	.0	2.53	24.00	1.13	---	13.33	1069.33	374.3
XSECTION 114	RUNOFF	.13	1	2	.08	.0	2.53	24.00	.74	---	12.99	35.43	276.8
XSECTION 114	ADDHYD	2.98	1	2	.08	.0	2.53	24.00	1.11	---	13.32	1098.29	367.9
XSECTION 71	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.19	---	12.55	83.02	664.1
XSECTION 114	REACH	.13	1	2	.08	.0	2.53	24.00	1.18	---	12.96	63.95	511.6
XSECTION 114	ADDHYD	3.11	1	2	.08	.0	2.53	24.00	1.11	---	13.30	1144.20	367.9
XSECTION 64	RUNOFF	.25	1	2	.08	.0	2.53	24.00	1.01	---	12.51	156.50	626.0
XSECTION 72	REACH	.25	1	2	.08	.0	2.53	24.00	1.01	---	12.75	133.87	535.5
XSECTION 72	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.07	---	12.56	75.62	605.0
XSECTION 72	ADDHYD	.38	1	2	.08	.0	2.53	24.00	1.03	---	12.67	198.79	530.1
XSECTION 114	REACH	.38	1	2	.08	.0	2.53	24.00	1.02	---	12.88	172.33	459.5
XSECTION 114	ADDHYD	3.48	1	2	.08	.0	2.53	24.00	1.10	---	13.24	1259.13	361.3
XSECTION 115	RUNOFF	.09	1	2	.08	.0	2.53	24.00	1.01	---	12.55	55.56	591.0
XSECTION 114	ADDHYD	3.58	1	2	.08	.0	2.53	24.00	1.10	---	13.23	1267.53	354.2
XSECTION 114	ADDHYD	14.47	1	2	.08	.0	2.53	24.00	1.13	---	13.10	3741.38	258.5
XSECTION 119	RUNOFF	.23	1	2	.08	.0	2.53	24.00	.95	---	12.88	88.98	385.2
XSECTION 119	ADDHYD	14.70	1	2	.08	.0	2.53	24.00	1.12	---	13.09	3820.33	259.8
XSECTION 118	REACH	14.70	1	2	.08	.0	2.53	24.00	1.12	---	13.31	3736.20	254.1
XSECTION 118	RUNOFF	.23	1	2	.08	.0	2.53	24.00	.94	---	13.22	66.98	290.0
XSECTION 118	ADDHYD	14.93	1	2	.08	.0	2.53	24.00	1.12	---	13.30	3802.54	254.6
ALTERNATE 1 STORM 2													
XSECTION 1	RUNOFF	.15	1	2	.08	.0	3.57	24.00	3.00	---	12.45	217.93	1472.5
XSECTION 2	RUNOFF	.10	1	2	.08	.0	3.57	24.00	3.00	---	12.44	145.51	1500.1
XSECTION 3	REACH	.15	1	2	.08	.0	3.57	24.00	2.99	---	12.63	213.83	1444.8
XSECTION 3	REACH	.10	1	2	.08	.0	3.57	24.00	2.98	---	12.70	138.09	1423.6
XSECTION 3	ADDHYD	.25	1	2	.08	.0	3.57	24.00	2.99	---	12.66	349.90	1428.2
XSECTION 3	RUNOFF	.05	1	2	.08	.0	3.57	24.00	1.47	---	12.52	42.49	903.9
XSECTION 3	ADDHYD	.29	1	2	.08	.0	3.57	24.00	2.74	---	12.60	387.57	1327.3
XSECTION 6	RUNOFF	.11	1	2	.08	.0	3.57	24.00	1.75	---	12.71	87.96	807.0
XSECTION 6	REACH	.29	1	2	.08	.0	3.57	24.00	2.74	1505.41	12.72	383.09	1312.0
XSECTION 6	ADDHYD	.40	1	2	.08	.0	3.57	24.00	2.47	1506.00	12.72	471.05	1174.7
XSECTION 8	REACH	.40	1	2	.08	.0	3.57	24.00	2.46	1496.90	12.88	453.71	1131.4

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	7	RUNOFF	.12	1	2	.08	.0	3.57	24.00	1.47	---	12.66	86.33	737.8
XSECTION	8	REACH	.12	1	2	.08	.0	3.57	24.00	1.46	1495.25	12.78	84.82	724.9
XSECTION	19	RUNOFF	.02	1	2	.08	.0	3.57	24.00	3.00	---	12.44	33.24	1510.9
XSECTION	4	RUNOFF	.19	1	2	.08	.0	3.57	24.00	3.00	---	12.44	290.36	1489.0
XSECTION	4	REACH	.02	1	2	.08	.0	3.57	24.00	2.97	---	12.98	27.33	1242.2
XSECTION	4	ADDHYD	.22	1	2	.08	.0	3.57	24.00	3.00	---	12.45	307.71	1418.0
XSECTION	5	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.47	---	12.60	99.67	797.4
XSECTION	5	REACH	.22	1	2	.08	.0	3.57	24.00	2.99	---	12.62	298.64	1376.2
XSECTION	5	ADDHYD	.34	1	2	.08	.0	3.57	24.00	2.43	---	12.62	398.25	1164.5
XSECTION	8	REACH	.34	1	2	.08	.0	3.57	24.00	2.42	1496.79	12.85	371.68	1086.8
XSECTION	8	ADDHYD	.52	1	2	.08	.0	3.57	24.00	2.24	1497.01	12.86	535.72	1034.2
XSECTION	8	ADDHYD	.86	1	2	.08	.0	3.57	24.00	2.31	1497.32	12.85	907.39	1055.1
XSECTION	18	RUNOFF	.18	1	2	.08	.0	3.57	24.00	1.53	---	12.67	139.85	760.1
XSECTION	8	REACH	.18	1	2	.08	.0	3.57	24.00	1.53	1495.49	12.93	115.81	629.4
XSECTION	8	ADDHYD	1.04	1	2	.08	.0	3.57	24.00	2.17	1497.40	12.86	1021.80	978.7
XSECTION	8	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.53	---	12.69	96.88	739.6
XSECTION	8	ADDHYD	1.18	1	2	.08	.0	3.57	24.00	2.10	1497.45	12.85	1108.39	943.3
XSECTION	14	REACH	1.18	1	2	.08	.0	3.57	24.00	2.09	1489.19	13.15	989.23	841.9
XSECTION	9	RUNOFF	.20	1	2	.08	.0	3.57	24.00	1.46	---	12.79	126.67	639.8
XSECTION	14	REACH	.20	1	2	.08	.0	3.57	24.00	1.46	1486.00	12.95	122.01	616.2
XSECTION	14	ADDHYD	1.37	1	2	.08	.0	3.57	24.00	2.00	1489.26	13.13	1100.17	801.3
XSECTION	16	RUNOFF	.12	1	2	.08	.0	3.57	24.00	2.14	---	12.55	132.00	1109.3
XSECTION	15	REACH	.12	1	2	.08	.0	3.57	24.00	2.14	---	12.55	132.00	1109.3
XSECTION	15	RUNOFF	.07	1	2	.08	.0	3.57	24.00	1.82	---	12.75	58.92	807.2
XSECTION	15	ADDHYD	.19	1	2	.08	.0	3.57	24.00	2.02	---	12.59	186.03	968.9
XSECTION	14	ADDHYD	1.57	1	2	.08	.0	3.57	24.00	2.00	1489.31	13.10	1176.14	751.5
XSECTION	14	RUNOFF	.18	1	2	.08	.0	3.57	24.00	1.91	---	12.52	191.46	1081.7
XSECTION	14	ADDHYD	1.74	1	2	.08	.0	3.57	24.00	1.99	1489.33	13.08	1206.43	692.6
XSECTION	27	REACH	1.74	1	2	.08	.0	3.57	24.00	1.99	1472.83	13.29	1139.34	654.0
XSECTION	17	RUNOFF	.06	1	2	.08	.0	3.57	24.00	3.00	---	12.44	89.14	1510.9
XSECTION	25	REACH	.06	1	2	.08	.0	3.57	24.00	2.97	---	12.88	77.30	1310.2
XSECTION	25	RUNOFF	.09	1	2	.08	.0	3.57	24.00	1.90	---	12.53	95.00	1067.4
XSECTION	25	ADDHYD	.15	1	2	.08	.0	3.57	24.00	2.33	---	12.57	159.42	1077.2
XSECTION	27	REACH	.15	1	2	.08	.0	3.57	24.00	2.33	1470.32	12.69	155.58	1051.2
XSECTION	27	ADDHYD	1.89	1	2	.08	.0	3.57	24.00	2.01	1472.87	13.24	1211.11	640.8
XSECTION	26	RUNOFF	.07	1	2	.08	.0	3.57	24.00	2.07	---	12.48	79.23	1182.6

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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 27	ADDHYD	1.96	1	2	.08	.0	3.57	24.00	2.01	1472.88	13.24	1217.75	622.3
XSECTION 27	RUNOFF	.19	1	2	.08	.0	3.57	24.00	1.67	---	12.94	118.69	631.3
XSECTION 27	ADDHYD	2.15	1	2	.08	.0	3.57	24.00	1.98	1472.93	13.20	1319.07	614.9
XSECTION 37	REACH	2.15	1	2	.08	.0	3.57	24.00	1.98	1455.75	13.33	1311.76	611.5
XSECTION 37	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.91	---	12.46	142.64	1141.2
XSECTION 37	ADDHYD	2.27	1	2	.08	.0	3.57	24.00	1.98	1455.76	13.32	1321.59	582.2
STRUCTURE 37	RESVOR	2.27	1	2	.08	.0	3.57	24.00	1.95	1450.66	13.36	1319.75	581.4
XSECTION 24	RUNOFF	.20	1	2	.08	.0	3.57	24.00	1.75	---	12.54	194.33	981.5
XSECTION 37	REACH	.20	1	2	.08	.0	3.57	24.00	1.75	1453.32	12.64	191.29	966.1
XSECTION 37	ADDHYD	2.47	1	2	.08	.0	3.57	24.00	1.94	1455.79	13.33	1349.81	546.9
XSECTION 143	REACH	2.47	1	2	.08	.0	3.57	24.00	1.93	---	13.42	1348.13	546.2
XSECTION 86	DIVERT	1.23	1	2	.08	.0	3.57	24.00	.00	---	.00	.00	.0
XSECTION 85	DIVERT	1.23	1	2	.08	.0	3.57	24.00	3.87	1429.67	13.42	1348.13	1092.5
XSECTION 86	REACH	1.23	1	2	.08	.0	3.57	24.00	.00	---	.00	.00	.0
XSECTION 86	RUNOFF	.06	1	2	.08	.0	3.57	24.00	2.15	---	12.46	77.42	1228.9
XSECTION 86	ADDHYD	1.30	1	2	.08	.0	3.57	24.00	.10	1429.95	12.46	77.42	59.7
XSECTION 87	REACH	1.30	1	2	.08	.0	3.57	24.00	.10	1429.94	12.79	67.78	52.3
XSECTION 87	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.90	---	12.56	64.43	1022.8
XSECTION 87	ADDHYD	1.36	1	2	.08	.0	3.57	24.00	.19	1430.01	12.63	124.77	91.7
XSECTION 105	REACH	1.36	1	2	.08	.0	3.57	24.00	.19	1417.57	12.97	105.37	77.5
XSECTION 10	RUNOFF	.09	1	2	.08	.0	3.57	24.00	1.47	---	12.60	75.75	797.4
XSECTION 11	REACH	.09	1	2	.08	.0	3.57	24.00	1.47	---	12.74	71.85	756.3
XSECTION 11	RUNOFF	.23	1	2	.08	.0	3.57	24.00	1.46	---	12.74	158.54	677.5
XSECTION 11	ADDHYD	.33	1	2	.08	.0	3.57	24.00	1.46	---	12.74	230.38	700.2
XSECTION 28	REACH	.33	1	2	.08	.0	3.57	24.00	1.45	---	13.26	161.81	491.8
XSECTION 13	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.82	---	12.60	116.76	934.0
XSECTION 28	REACH	.13	1	2	.08	.0	3.57	24.00	1.80	---	13.17	79.01	632.1
XSECTION 28	ADDHYD	.45	1	2	.08	.0	3.57	24.00	1.54	---	13.23	240.08	528.8
XSECTION 28	RUNOFF	.16	1	2	.08	.0	3.57	24.00	1.60	---	12.79	109.01	698.8
XSECTION 28	ADDHYD	.61	1	2	.08	.0	3.57	24.00	1.56	---	13.10	315.19	516.7
XSECTION 36	REACH	.61	1	2	.08	.0	3.57	24.00	1.55	---	13.43	277.99	455.7
XSECTION 36	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.90	---	12.54	130.39	1043.1
XSECTION 36	ADDHYD	.74	1	2	.08	.0	3.57	24.00	1.61	---	13.39	292.02	397.3
XSECTION 90	REACH	.74	1	2	.08	.0	3.57	24.00	1.60	---	13.59	285.48	388.4
XSECTION 34	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.98	---	12.65	118.43	947.4
XSECTION 35	REACH	.13	1	2	.08	.0	3.57	24.00	1.97	---	12.78	116.06	928.5

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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 35	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.90	---	12.54	129.69	1037.5
XSECTION 35	ADDHYD	.25	1	2	.08	.0	3.57	24.00	1.94	---	12.61	234.08	936.3
XSECTION 91	REACH	.25	1	2	.08	.0	3.57	24.00	1.93	---	12.80	214.92	859.7
XSECTION 91	RUNOFF	.13	1	2	.08	.0	3.57	24.00	2.15	---	12.53	143.49	1147.9
XSECTION 91	ADDHYD	.38	1	2	.08	.0	3.57	24.00	2.00	---	12.64	333.10	888.3
XSECTION 90	REACH	.38	1	2	.08	.0	3.57	24.00	2.00	---	12.76	327.26	872.7
XSECTION 90	RUNOFF	.11	1	2	.08	.0	3.57	24.00	2.06	---	12.59	111.80	1025.7
XSECTION 90	ADDHYD	.48	1	2	.08	.0	3.57	24.00	2.01	---	12.71	430.30	889.1
XSECTION 90	ADDHYD	1.22	1	2	.08	.0	3.57	24.00	1.77	---	12.77	627.92	515.1
XSECTION 88	REACH	1.22	1	2	.08	.0	3.57	24.00	1.76	---	12.88	623.19	511.2
XSECTION 88	RUNOFF	.09	1	2	.08	.0	3.57	24.00	2.22	---	12.64	97.37	1035.8
XSECTION 88	ADDHYD	1.31	1	2	.08	.0	3.57	24.00	1.80	---	12.84	706.44	538.0
XSECTION 89	RUNOFF	.05	1	2	.08	.0	3.57	24.00	1.98	---	12.51	52.42	1115.3
XSECTION 88	REACH	.05	1	2	.08	.0	3.57	24.00	1.98	---	12.68	46.80	995.6
XSECTION 88	ADDHYD	1.36	1	2	.08	.0	3.57	24.00	1.80	---	12.83	748.21	550.2
XSECTION 101	REACH	1.36	1	2	.08	.0	3.57	24.00	1.80	---	12.92	746.32	548.8
XSECTION 101	RUNOFF	.05	1	2	.08	.0	3.57	24.00	2.41	---	12.53	57.73	1228.4
XSECTION 101	ADDHYD	1.41	1	2	.08	.0	3.57	24.00	1.82	---	12.89	774.38	550.4
XSECTION 102	REACH	1.41	1	2	.08	.0	3.57	24.00	1.82	---	13.08	736.74	523.6
XSECTION 102	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.82	---	12.60	58.28	925.0
XSECTION 102	ADDHYD	1.47	1	2	.08	.0	3.57	24.00	1.82	---	13.06	761.56	518.1
XSECTION 105	REACH	1.47	1	2	.08	.0	3.57	24.00	1.81	1418.10	13.22	744.20	506.3
XSECTION 105	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.53	---	12.62	49.94	792.7
XSECTION 105	ADDHYD	1.53	1	2	.08	.0	3.57	24.00	1.80	1418.11	13.20	759.08	495.2
XSECTION 105	ADDHYD	2.89	1	2	.08	.0	3.57	24.00	1.04	1418.15	13.16	852.86	294.8
XSECTION 107	REACH	2.89	1	2	.08	.0	3.57	24.00	1.04	1418.14	13.33	835.49	288.8
XSECTION 107	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.83	---	12.53	61.23	1037.7
XSECTION 107	ADDHYD	2.95	1	2	.08	.0	3.57	24.00	1.05	1418.14	13.32	841.90	285.2
XSECTION 85	REACH	1.23	1	2	.08	.0	3.57	24.00	3.86	1429.66	13.58	1332.32	1079.7
XSECTION 85	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.68	---	12.57	57.98	920.3
XSECTION 85	ADDHYD	1.30	1	2	.08	.0	3.57	24.00	3.75	1429.66	13.58	1337.96	1031.6
XSECTION 83	REACH	1.30	1	2	.08	.0	3.57	24.00	3.74	1429.66	13.74	1322.47	1019.6
XSECTION 83	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.75	---	12.56	60.12	954.3
XSECTION 83	ADDHYD	1.36	1	2	.08	.0	3.57	24.00	3.65	1429.66	13.74	1327.15	975.8
XSECTION 84	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.54	---	12.57	53.75	853.3
XSECTION 83	REACH	.06	1	2	.08	.0	3.57	24.00	1.53	1428.95	12.73	49.63	787.8

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 83	ADDHYD	1.42	1	2	.08	.0	3.57	24.00	3.56	1429.66	13.74	1333.54	937.1
XSECTION 109	DIVERT	.71	1	2	.08	.0	3.57	24.00	.14	1418.45	13.74	62.00	87.1
XSECTION 80	DIVERT	.71	1	2	.08	.0	3.57	24.00	6.97	1418.45	13.74	1271.54	1787.1
XSECTION 109	REACH	.71	1	2	.08	.0	3.57	24.00	.14	1418.43	14.07	54.41	76.5
XSECTION 109	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.99	---	12.47	72.84	1156.2
XSECTION 109	ADDHYD	.77	1	2	.08	.0	3.57	24.00	.29	1418.49	12.47	72.84	94.1
XSECTION 80	REACH	.71	1	2	.08	.0	3.57	24.00	6.96	1418.45	13.86	1266.28	1779.7
XSECTION 80	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.90	---	12.53	66.68	1058.4
XSECTION 80	ADDHYD	.77	1	2	.08	.0	3.57	24.00	6.55	1418.45	13.86	1270.05	1639.8
XSECTION 79	REACH	.77	1	2	.08	.0	3.57	24.00	6.54	---	13.95	1269.34	1638.9
XSECTION 79	RUNOFF	.06	1	2	.08	.0	3.57	24.00	2.32	---	12.45	81.87	1299.5
XSECTION 79	ADDHYD	.84	1	2	.08	.0	3.57	24.00	6.22	---	13.95	1272.78	1519.7
XSECTION 76	REACH	.84	1	2	.08	.0	3.57	24.00	6.21	---	14.04	1272.24	1519.1
XSECTION 76	RUNOFF	.06	1	2	.08	.0	3.57	24.00	2.15	---	12.46	77.97	1237.6
XSECTION 76	ADDHYD	.90	1	2	.08	.0	3.57	24.00	5.93	---	14.04	1275.56	1416.5
XSECTION 75	REACH	.90	1	2	.08	.0	3.57	24.00	5.92	---	14.13	1274.88	1415.7
XSECTION 75	RUNOFF	.06	1	2	.08	.0	3.57	24.00	2.99	---	12.50	88.70	1407.9
XSECTION 75	ADDHYD	.96	1	2	.08	.0	3.57	24.00	5.73	---	14.13	1278.91	1327.4
XSECTION 113	REACH	.96	1	2	.08	.0	3.57	24.00	5.72	---	14.24	1275.58	1323.9
XSECTION 112	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.47	---	12.55	51.69	847.3
XSECTION 113	REACH	.06	1	2	.08	.0	3.57	24.00	1.46	---	12.81	45.80	750.9
XSECTION 113	ADDHYD	1.02	1	2	.08	.0	3.57	24.00	5.47	---	14.24	1278.98	1248.4
XSECTION 113	RUNOFF	.05	1	2	.08	.0	3.57	24.00	2.14	---	12.54	59.69	1126.2
XSECTION 113	ADDHYD	1.08	1	2	.08	.0	3.57	24.00	5.30	---	14.24	1281.93	1189.7
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	---	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	.19	1	2	.08	.0	3.57	24.00	2.15	---	12.53	143.49	1147.9

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 2													
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
XSECTION 97	REACH	.13	1	2	.08	.0	3.57	24.00	1.82	---	12.83	109.31	874.5
XSECTION 97	RUNOFF	.19	1	2	.08	.0	3.57	24.00	2.23	---	12.54	216.11	1149.5
XSECTION 97	ADDHYD	.31	1	2	.08	.0	3.57	24.00	2.07	---	12.61	306.67	979.8
XSECTION 98	REACH	.31	1	2	.08	.0	3.57	24.00	2.06	---	12.72	302.28	965.7
XSECTION 98	ADDHYD	1.97	1	2	.08	.0	3.57	24.00	1.74	---	12.89	985.45	501.5
XSECTION 98	RUNOFF	.09	1	2	.08	.0	3.57	24.00	2.15	---	12.49	111.92	1190.6
XSECTION 98	ADDHYD	2.06	1	2	.08	.0	3.57	24.00	1.76	---	12.84	1021.27	496.0
XSECTION 99	REACH	2.06	1	2	.08	.0	3.57	24.00	1.76	---	12.94	1017.38	494.1
XSECTION 99	RUNOFF	.09	1	2	.08	.0	3.57	24.00	2.14	---	12.53	107.22	1140.6
XSECTION 99	ADDHYD	2.15	1	2	.08	.0	3.57	24.00	1.77	---	12.88	1063.85	494.1
XSECTION 139	REACH	2.15	1	2	.08	.0	3.57	24.00	1.77	---	13.03	1049.82	487.6
XSECTION 100	RUNOFF	.08	1	2	.08	.0	3.57	24.00	2.15	---	12.50	92.22	1182.3
XSECTION 139	REACH	.08	1	2	.08	.0	3.57	24.00	2.14	---	12.61	90.55	1160.9
XSECTION 139	ADDHYD	2.23	1	2	.08	.0	3.57	24.00	1.78	---	12.98	1084.29	486.0
XSECTION 142	RUNOFF	.25	1	2	.08	.0	3.57	24.00	1.89	---	13.04	162.01	648.0
XSECTION 141	REACH	.25	1	2	.08	.0	3.57	24.00	1.88	---	13.29	152.12	608.5
XSECTION 141	RUNOFF	.19	1	2	.08	.0	3.57	24.00	2.23	---	12.54	216.11	1149.5
XSECTION 141	ADDHYD	.44	1	2	.08	.0	3.57	24.00	2.08	---	12.68	283.56	647.4

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 2													
XSECTION 140	REACH	.44	1	2	.08	.0	3.57	24.00	2.03	---	12.76	275.57	629.1
XSECTION 140	RUNOFF	.13	1	2	.08	.0	3.57	24.00	2.15	---	12.52	145.51	1164.0
XSECTION 140	ADDHYD	.56	1	2	.08	.0	3.57	24.00	2.05	---	12.63	395.34	702.2
XSECTION 137	RUNOFF	.08	1	2	.08	.0	3.57	24.00	1.61	---	12.56	70.30	901.2
XSECTION 140	ADDHYD	.64	1	2	.08	.0	3.57	24.00	2.00	---	12.61	464.15	724.1
XSECTION 139	REACH	.64	1	2	.08	.0	3.57	24.00	1.99	---	12.91	411.17	641.4
XSECTION 139	ADDHYD	2.87	1	2	.08	.0	3.57	24.00	1.83	---	12.95	1492.37	519.6
XSECTION 136	RUNOFF	.07	1	2	.08	.0	3.57	24.00	3.00	---	12.44	99.72	1510.9
XSECTION 138	REACH	.07	1	2	.08	.0	3.57	24.00	2.98	---	12.70	94.02	1424.5
XSECTION 138	RUNOFF	.20	1	2	.08	.0	3.57	24.00	1.99	---	12.46	239.93	1181.9
XSECTION 138	ADDHYD	.27	1	2	.08	.0	3.57	24.00	2.23	---	12.47	327.43	1217.2
XSECTION 139	REACH	.27	1	2	.08	.0	3.57	24.00	2.22	---	12.70	300.58	1117.4
XSECTION 139	ADDHYD	3.14	1	2	.08	.0	3.57	24.00	1.86	---	12.87	1725.71	549.4
XSECTION 139	RUNOFF	.19	1	2	.08	.0	3.57	24.00	2.23	---	12.52	224.54	1194.4
XSECTION 139	ADDHYD	3.33	1	2	.08	.0	3.57	24.00	1.88	---	12.80	1837.77	552.0
XSECTION 129	RUNOFF	.11	1	2	.08	.0	3.57	24.00	1.84	---	12.45	124.97	1157.2
XSECTION 130	RUNOFF	.03	1	2	.08	.0	3.57	24.00	2.60	---	12.44	44.13	1423.4
XSECTION 129	ADDHYD	.14	1	2	.08	.0	3.57	24.00	2.01	---	12.45	169.08	1216.4
XSECTION 127	REACH	.14	1	2	.08	.0	3.57	24.00	1.99	---	12.73	148.30	1066.9
XSECTION 128	RUNOFF	.04	1	2	.08	.0	3.57	24.00	1.69	---	12.45	39.33	1092.4
XSECTION 127	REACH	.04	1	2	.08	.0	3.57	24.00	1.67	---	12.85	29.29	813.5
XSECTION 127	ADDHYD	.17	1	2	.08	.0	3.57	24.00	1.92	---	12.74	175.25	1001.4
XSECTION 127	RUNOFF	.16	1	2	.08	.0	3.57	24.00	1.83	---	12.46	179.72	1130.3
XSECTION 127	ADDHYD	.33	1	2	.08	.0	3.57	24.00	1.88	---	12.49	322.49	965.5
XSECTION 132	RUNOFF	.14	1	2	.08	.0	3.57	24.00	2.32	---	12.46	187.27	1291.5
XSECTION 131	REACH	.14	1	2	.08	.0	3.57	24.00	2.32	---	12.65	181.83	1254.0
XSECTION 131	ADDHYD	.48	1	2	.08	.0	3.57	24.00	2.01	---	12.51	495.19	1033.8
XSECTION 131	RUNOFF	.12	1	2	.08	.0	3.57	24.00	2.15	---	12.46	146.24	1228.9
XSECTION 131	ADDHYD	.60	1	2	.08	.0	3.57	24.00	2.04	---	12.50	639.83	1069.9
XSECTION 126	REACH	.60	1	2	.08	.0	3.57	24.00	2.04	---	12.60	634.08	1060.3
XSECTION 126	RUNOFF	.16	1	2	.08	.0	3.57	24.00	3.00	---	12.44	233.08	1475.2
XSECTION 126	ADDHYD	.76	1	2	.08	.0	3.57	24.00	2.24	---	12.54	843.30	1115.5
XSECTION 134	REACH	.76	1	2	.08	.0	3.57	24.00	2.23	---	12.63	836.61	1106.6
XSECTION 135	RUNOFF	.04	1	2	.08	.0	3.57	24.00	3.00	---	12.44	63.46	1510.9
XSECTION 134	REACH	.04	1	2	.08	.0	3.57	24.00	2.97	---	12.88	55.89	1330.8
XSECTION 134	ADDHYD	.80	1	2	.08	.0	3.57	24.00	2.27	---	12.63	886.54	1110.9

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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 134	RUNOFF	.20	1	2	.08	.0	3.57	24.00	2.07	---	12.48	232.96	1182.6
XSECTION 134	ADDHYD	1.00	1	2	.08	.0	3.57	24.00	2.23	---	12.57	1088.78	1094.2
XSECTION 125	RUNOFF	.12	1	2	.08	.0	3.57	24.00	3.00	---	12.44	176.78	1510.9
XSECTION 125	ADDHYD	1.11	1	2	.08	.0	3.57	24.00	2.31	---	12.52	1231.35	1107.3
XSECTION 124	REACH	1.11	1	2	.08	.0	3.57	24.00	2.31	---	12.63	1198.82	1078.1
XSECTION 124	RUNOFF	.22	1	2	.08	.0	3.57	24.00	1.99	---	12.46	257.03	1173.7
XSECTION 124	ADDHYD	1.33	1	2	.08	.0	3.57	24.00	2.26	---	12.56	1406.48	1056.7
XSECTION 103	REACH	3.33	1	2	.08	.0	3.57	24.00	1.88	---	12.80	1837.77	552.0
XSECTION 103	RUNOFF	.08	1	2	.08	.0	3.57	24.00	1.99	---	12.47	94.97	1172.5
XSECTION 103	ADDHYD	3.41	1	2	.08	.0	3.57	24.00	1.89	---	12.78	1861.21	545.8
XSECTION 104	REACH	3.41	1	2	.08	.0	3.57	24.00	1.89	---	12.78	1861.21	545.8
XSECTION 104	ADDHYD	4.74	1	2	.08	.0	3.57	24.00	1.99	---	12.64	3155.54	665.6
XSECTION 104	RUNOFF	.07	1	2	.08	.0	3.57	24.00	1.53	---	12.65	53.63	777.2
XSECTION 104	ADDHYD	4.81	1	2	.08	.0	3.57	24.00	1.98	---	12.64	3209.17	667.2
XSECTION 107	REACH	4.81	1	2	.08	.0	3.57	24.00	1.98	1418.88	12.64	3209.17	667.2
XSECTION 107	ADDHYD	7.76	1	2	.08	.0	3.57	24.00	1.63	1418.99	12.70	3666.94	472.4
XSECTION 123	RUNOFF	.21	1	2	.08	.0	3.57	24.00	3.00	---	12.44	315.47	1481.1
XSECTION 107	ADDHYD	7.97	1	2	.08	.0	3.57	24.00	1.67	1419.04	12.63	3846.29	482.3
XSECTION 108	REACH	7.97	1	2	.08	.0	3.57	24.00	1.67	---	12.63	3846.29	482.3
XSECTION 106	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.61	---	12.59	54.38	863.2
XSECTION 108	REACH	.06	1	2	.08	.0	3.57	24.00	1.60	---	12.71	52.58	834.5
XSECTION 108	RUNOFF	.03	1	2	.08	.0	3.57	24.00	1.61	---	12.48	24.88	995.1
XSECTION 108	ADDHYD	.09	1	2	.08	.0	3.57	24.00	1.61	---	12.57	71.68	814.6
XSECTION 108	ADDHYD	8.06	1	2	.08	.0	3.57	24.00	1.67	---	12.63	3916.10	485.7
XSECTION 109	ADDHYD	8.84	1	2	.08	.0	3.57	24.00	1.55	1421.08	12.62	3973.60	449.6
XSECTION 110	REACH	8.84	1	2	.08	.0	3.57	24.00	1.55	---	12.62	3973.60	449.6
XSECTION 122	RUNOFF	.35	1	2	.08	.0	3.57	24.00	2.07	---	12.47	422.06	1188.9
XSECTION 122	ADDHYD	9.19	1	2	.08	.0	3.57	24.00	1.57	---	12.58	4356.26	473.9
XSECTION 110	RUNOFF	.07	1	2	.08	.0	3.57	24.00	1.54	---	12.59	60.60	830.1
XSECTION 110	ADDHYD	9.27	1	2	.08	.0	3.57	24.00	1.57	---	12.58	4416.84	476.7
XSECTION 111	REACH	9.27	1	2	.08	.0	3.57	24.00	1.57	---	12.58	4416.84	476.7
XSECTION 111	RUNOFF	.07	1	2	.08	.0	3.57	24.00	1.47	---	12.60	55.82	797.4
XSECTION 111	ADDHYD	9.34	1	2	.08	.0	3.57	24.00	1.56	---	12.58	4472.61	479.1
XSECTION 112	REACH	9.34	1	2	.08	.0	3.57	24.00	1.56	---	12.68	4410.79	472.5
XSECTION 121	RUNOFF	.25	1	2	.08	.0	3.57	24.00	3.00	---	12.44	377.34	1509.4
XSECTION 112	ADDHYD	9.59	1	2	.08	.0	3.57	24.00	1.60	---	12.65	4519.85	471.5

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 113	REACH	9.59	1	2	.08	.0	3.57	24.00	1.60	---	12.75	4489.69	468.4
XSECTION 113	ADDHYD	10.66	1	2	.08	.0	3.57	24.00	1.97	---	12.77	5092.02	477.5
XSECTION 120	RUNOFF	.23	1	2	.08	.0	3.57	24.00	2.24	---	12.47	289.16	1251.8
XSECTION 113	ADDHYD	10.89	1	2	.08	.0	3.57	24.00	1.98	---	12.74	5207.40	478.0
XSECTION 114	REACH	10.89	1	2	.08	.0	3.57	24.00	1.97	---	12.92	5033.18	462.0
XSECTION 49	RUNOFF	.09	1	2	.08	.0	3.57	24.00	3.00	---	12.44	129.01	1500.1
XSECTION 48	REACH	.09	1	2	.08	.0	3.57	24.00	2.98	---	12.70	122.57	1425.3
XSECTION 48	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.61	---	12.61	106.64	853.1
XSECTION 48	ADDHYD	.21	1	2	.08	.0	3.57	24.00	2.17	---	12.63	226.75	1074.6
XSECTION 20	RUNOFF	.06	1	2	.08	.0	3.57	24.00	3.00	---	12.44	96.70	1510.9
XSECTION 48	REACH	.06	1	2	.08	.0	3.57	24.00	2.97	---	13.07	77.15	1205.5
XSECTION 48	ADDHYD	.28	1	2	.08	.0	3.57	24.00	2.35	---	12.68	285.32	1037.5
XSECTION 56	REACH	.28	1	2	.08	.0	3.57	24.00	2.35	---	12.82	276.84	1006.7
XSECTION 56	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.83	---	12.47	69.83	1108.4
XSECTION 56	ADDHYD	.34	1	2	.08	.0	3.57	24.00	2.25	---	12.60	302.53	895.1
XSECTION 57	REACH	.34	1	2	.08	.0	3.57	24.00	2.25	---	12.77	294.77	872.1
XSECTION 57	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.83	---	12.47	69.83	1108.4
XSECTION 57	ADDHYD	.40	1	2	.08	.0	3.57	24.00	2.18	---	12.62	331.55	826.8
XSECTION 60	REACH	.40	1	2	.08	.0	3.57	24.00	2.18	---	12.78	318.98	795.5
XSECTION 60	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.75	---	12.55	61.05	969.0
XSECTION 60	ADDHYD	.46	1	2	.08	.0	3.57	24.00	2.12	---	12.72	368.37	793.9
XSECTION 58	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.99	---	12.46	73.94	1173.7
XSECTION 60	REACH	.06	1	2	.08	.0	3.57	24.00	1.98	---	12.66	70.83	1124.3
XSECTION 60	ADDHYD	.53	1	2	.08	.0	3.57	24.00	2.10	---	12.70	438.82	832.7
XSECTION 65	REACH	.53	1	2	.08	.0	3.57	24.00	2.10	---	12.80	434.24	824.0
XSECTION 65	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.47	---	12.56	52.57	834.5
XSECTION 65	ADDHYD	.59	1	2	.08	.0	3.57	24.00	2.03	---	12.77	471.52	799.2
XSECTION 68	REACH	.59	1	2	.08	.0	3.57	24.00	2.03	---	12.87	466.57	790.8
XSECTION 68	RUNOFF	.06	1	2	.08	.0	3.57	24.00	2.07	---	12.46	75.97	1205.8
XSECTION 68	ADDHYD	.65	1	2	.08	.0	3.57	24.00	2.03	---	12.86	478.57	732.9
XSECTION 47	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.83	---	12.49	135.44	1083.5
XSECTION 46	REACH	.13	1	2	.08	.0	3.57	24.00	1.83	---	12.59	133.89	1071.1
XSECTION 46	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.83	---	12.48	136.28	1090.3
XSECTION 46	ADDHYD	.25	1	2	.08	.0	3.57	24.00	1.83	---	12.52	268.27	1073.1
XSECTION 59	REACH	.25	1	2	.08	.0	3.57	24.00	1.82	---	12.71	255.96	1023.8
XSECTION 59	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.83	---	12.47	69.83	1108.4

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 59	ADDHYD	.31	1	2	.08	.0	3.57	24.00	1.82	---	12.58	298.86	954.8
XSECTION 21	RUNOFF	.19	1	2	.08	.0	3.57	24.00	1.90	---	12.58	186.00	984.1
XSECTION 43	RUNOFF	.05	1	2	.08	.0	3.57	24.00	2.16	---	12.45	60.28	1282.6
XSECTION 21	ADDHYD	.24	1	2	.08	.0	3.57	24.00	1.95	---	12.49	238.75	1011.7
XSECTION 45	REACH	.24	1	2	.08	.0	3.57	24.00	1.94	---	12.79	195.40	828.0
XSECTION 45	RUNOFF	.13	1	2	.08	.0	3.57	24.00	2.15	---	12.54	140.66	1125.3
XSECTION 45	ADDHYD	.36	1	2	.08	.0	3.57	24.00	2.01	---	12.66	316.02	875.4
XSECTION 59	REACH	.36	1	2	.08	.0	3.57	24.00	2.01	---	12.78	309.74	858.0
XSECTION 59	ADDHYD	.67	1	2	.08	.0	3.57	24.00	1.92	---	12.69	588.44	873.1
XSECTION 66	REACH	.67	1	2	.08	.0	3.57	24.00	1.92	---	12.79	584.55	867.3
XSECTION 66	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.90	---	12.54	66.12	1049.6
XSECTION 66	ADDHYD	.74	1	2	.08	.0	3.57	24.00	1.92	---	12.74	629.12	853.6
XSECTION 68	REACH	.74	1	2	.08	.0	3.57	24.00	1.91	---	12.87	621.01	842.6
XSECTION 68	ADDHYD	1.39	1	2	.08	.0	3.57	24.00	1.97	---	12.87	1099.49	791.0
XSECTION 70	REACH	1.39	1	2	.08	.0	3.57	24.00	1.97	---	12.96	1093.31	786.6
XSECTION 70	RUNOFF	.06	1	2	.08	.0	3.57	24.00	2.15	---	12.46	77.97	1237.6
XSECTION 70	ADDHYD	1.45	1	2	.08	.0	3.57	24.00	1.98	---	12.96	1102.61	758.9
XSECTION 74	REACH	1.45	1	2	.08	.0	3.57	24.00	1.97	---	13.06	1098.04	755.7
XSECTION 74	RUNOFF	.06	1	2	.08	.0	3.57	24.00	2.50	---	12.45	86.02	1365.4
XSECTION 74	ADDHYD	1.52	1	2	.08	.0	3.57	24.00	2.00	---	13.05	1106.34	729.8
XSECTION 23	RUNOFF	.09	1	2	.08	.0	3.57	24.00	3.00	---	12.44	135.51	1489.1
XSECTION 40	REACH	.09	1	2	.08	.0	3.57	24.00	2.98	---	12.82	124.25	1365.4
XSECTION 38	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.61	---	12.54	115.83	926.7
XSECTION 40	REACH	.13	1	2	.08	.0	3.57	24.00	1.60	---	12.79	103.23	825.9
XSECTION 40	ADDHYD	.22	1	2	.08	.0	3.57	24.00	2.18	---	12.80	227.28	1052.2
XSECTION 40	RUNOFF	.09	1	2	.08	.0	3.57	24.00	1.83	---	12.56	92.89	988.2
XSECTION 40	ADDHYD	.31	1	2	.08	.0	3.57	24.00	2.07	---	12.68	302.51	975.8
XSECTION 82	REACH	.31	1	2	.08	.0	3.57	24.00	2.07	---	12.82	297.00	958.1
XSECTION 82	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.99	---	12.47	73.36	1164.5
XSECTION 82	ADDHYD	.37	1	2	.08	.0	3.57	24.00	2.06	---	12.63	325.75	873.3
XSECTION 39	RUNOFF	.13	1	2	.08	.0	3.57	24.00	2.06	---	12.55	135.10	1080.8
XSECTION 82	REACH	.13	1	2	.08	.0	3.57	24.00	2.06	---	12.72	126.14	1009.1
XSECTION 82	ADDHYD	.50	1	2	.08	.0	3.57	24.00	2.06	---	12.66	449.67	903.0
XSECTION 81	REACH	.50	1	2	.08	.0	3.57	24.00	2.05	---	12.79	445.17	893.9
XSECTION 81	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.47	---	12.58	51.67	820.2
XSECTION 81	ADDHYD	.56	1	2	.08	.0	3.57	24.00	1.99	---	12.74	487.43	868.9

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 2													
XSECTION 78	REACH	.56	1	2	.08	.0	3.57	24.00	1.98	---	12.87	480.67	856.8
XSECTION 78	RUNOFF	.06	1	2	.08	.0	3.57	24.00	2.15	---	12.46	77.42	1228.9
XSECTION 78	ADDHYD	.62	1	2	.08	.0	3.57	24.00	2.00	---	12.82	496.05	794.9
XSECTION 22	RUNOFF	.15	1	2	.08	.0	3.57	24.00	1.90	---	12.54	159.92	1045.3
XSECTION 41	REACH	.15	1	2	.08	.0	3.57	24.00	1.90	---	12.69	149.88	979.6
XSECTION 41	RUNOFF	.17	1	2	.08	.0	3.57	24.00	1.98	---	12.51	191.99	1116.2
XSECTION 41	ADDHYD	.32	1	2	.08	.0	3.57	24.00	1.94	---	12.55	331.49	1020.0
XSECTION 42	RUNOFF	.08	1	2	.08	.0	3.57	24.00	1.91	---	12.46	90.19	1156.3
XSECTION 42	ADDHYD	.40	1	2	.08	.0	3.57	24.00	1.94	---	12.52	417.50	1036.0
XSECTION 78	REACH	.40	1	2	.08	.0	3.57	24.00	1.93	---	12.63	403.13	1000.3
XSECTION 78	ADDHYD	1.03	1	2	.08	.0	3.57	24.00	1.97	---	12.67	876.99	853.9
XSECTION 77	REACH	1.03	1	2	.08	.0	3.57	24.00	1.97	---	12.77	870.34	847.5
XSECTION 77	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.47	---	12.53	56.20	892.0
XSECTION 77	ADDHYD	1.09	1	2	.08	.0	3.57	24.00	1.94	---	12.75	904.01	829.4
XSECTION 69	REACH	1.09	1	2	.08	.0	3.57	24.00	1.94	---	12.85	896.07	822.1
XSECTION 69	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.75	---	12.61	57.16	907.3
XSECTION 69	ADDHYD	1.15	1	2	.08	.0	3.57	24.00	1.93	---	12.83	940.49	815.7
XSECTION 44	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.91	---	12.48	140.24	1121.9
XSECTION 67	REACH	.13	1	2	.08	.0	3.57	24.00	1.90	---	12.60	137.74	1101.9
XSECTION 67	RUNOFF	.06	1	2	.08	.0	3.57	24.00	2.32	---	12.45	81.87	1299.5
XSECTION 67	ADDHYD	.19	1	2	.08	.0	3.57	24.00	2.04	---	12.52	211.86	1126.9
XSECTION 69	REACH	.19	1	2	.08	.0	3.57	24.00	2.04	---	12.62	207.61	1104.3
XSECTION 69	ADDHYD	1.34	1	2	.08	.0	3.57	24.00	1.95	---	12.78	1108.89	826.9
XSECTION 74	REACH	1.34	1	2	.08	.0	3.57	24.00	1.94	---	12.89	1091.37	813.9
XSECTION 74	ADDHYD	2.86	1	2	.08	.0	3.57	24.00	1.97	---	12.96	2160.57	756.2
XSECTION 114	REACH	2.86	1	2	.08	.0	3.57	24.00	1.97	---	13.15	2073.90	725.9
XSECTION 114	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.46	---	12.95	70.49	550.7
XSECTION 114	ADDHYD	2.98	1	2	.08	.0	3.57	24.00	1.94	---	13.14	2139.16	716.6
XSECTION 71	RUNOFF	.13	1	2	.08	.0	3.57	24.00	2.06	---	12.54	138.29	1106.3
XSECTION 114	REACH	.13	1	2	.08	.0	3.57	24.00	2.05	---	12.91	115.96	927.7
XSECTION 114	ADDHYD	3.11	1	2	.08	.0	3.57	24.00	1.95	---	13.12	2237.71	719.5
XSECTION 64	RUNOFF	.25	1	2	.08	.0	3.57	24.00	1.83	---	12.49	267.71	1070.8
XSECTION 72	REACH	.25	1	2	.08	.0	3.57	24.00	1.82	---	12.72	244.17	976.7
XSECTION 72	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.90	---	12.54	129.69	1037.5
XSECTION 72	ADDHYD	.38	1	2	.08	.0	3.57	24.00	1.85	---	12.64	359.31	958.2
XSECTION 114	REACH	.38	1	2	.08	.0	[illegible]	[illegible]	[illegible]				

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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)
ALIEBNAIE 1 SIOBM 2													
XSECTION 114	ADDHYD	3.48	1	2	.08	.0	3.57	24.00	1.94	---	13.07	2491.25	714.9
XSECTION 115	RUNOFF	.09	1	2	.08	.0	3.57	24.00	1.83	---	12.53	96.28	1024.2
XSECTION 114	ADDHYD	3.58	1	2	.08	.0	3.57	24.00	1.93	---	13.06	2512.48	702.0
XSECTION 114	ADDHYD	14.47	1	2	.08	.0	3.57	24.00	1.96	---	12.97	7480.18	516.8
XSECTION 119	RUNOFF	.23	1	2	.08	.0	3.57	24.00	1.74	---	12.84	163.59	708.2
XSECTION 119	ADDHYD	14.70	1	2	.08	.0	3.57	24.00	1.96	---	12.97	7637.48	519.4
XSECTION 118	REACH	14.70	1	2	.08	.0	3.57	24.00	1.96	---	13.14	7498.92	510.0
XSECTION 118	RUNOFF	.23	1	2	.08	.0	3.57	24.00	1.73	---	13.18	125.08	541.5
XSECTION 118	ADDHYD	14.93	1	2	.08	.0	3.57	24.00	1.95	---	13.14	7623.72	510.5
ALIEBNAIE 1 SIOBM 3													
XSECTION 1	RUNOFF	.15	1	2	.08	.0	4.04	24.00	3.46	---	12.45	248.49	1679.0
XSECTION 2	RUNOFF	.10	1	2	.08	.0	4.04	24.00	3.46	---	12.44	165.73	1708.6
XSECTION 3	REACH	.15	1	2	.08	.0	4.04	24.00	3.45	---	12.63	244.59	1652.7
XSECTION 3	REACH	.10	1	2	.08	.0	4.04	24.00	3.44	---	12.70	158.51	1634.1
XSECTION 3	ADDHYD	.25	1	2	.08	.0	4.04	24.00	3.45	---	12.65	400.78	1635.9
XSECTION 3	RUNOFF	.05	1	2	.08	.0	4.04	24.00	1.83	---	12.52	51.36	1092.7
XSECTION 3	ADDHYD	.29	1	2	.08	.0	4.04	24.00	3.19	---	12.59	446.92	1530.5
XSECTION 6	RUNOFF	.11	1	2	.08	.0	4.04	24.00	2.13	---	12.71	106.85	980.3
XSECTION 6	REACH	.29	1	2	.08	.0	4.04	24.00	3.18	1505.54	12.71	443.03	1517.2
XSECTION 6	ADDHYD	.40	1	2	.08	.0	4.04	24.00	2.90	1506.07	12.71	549.88	1371.3
XSECTION 8	REACH	.40	1	2	.08	.0	4.04	24.00	2.89	1497.00	12.86	531.54	1325.5
XSECTION 7	RUNOFF	.12	1	2	.08	.0	4.04	24.00	1.83	---	12.65	106.65	911.5
XSECTION 8	REACH	.12	1	2	.08	.0	4.04	24.00	1.82	1495.41	12.77	105.14	898.7
XSECTION 19	RUNOFF	.02	1	2	.08	.0	4.04	24.00	3.47	---	12.44	37.85	1720.5
XSECTION 4	RUNOFF	.19	1	2	.08	.0	4.04	24.00	3.46	---	12.44	330.80	1696.4
XSECTION 4	REACH	.02	1	2	.08	.0	4.04	24.00	3.43	---	12.97	31.76	1443.6
XSECTION 4	ADDHYD	.22	1	2	.08	.0	4.04	24.00	3.46	---	12.45	351.51	1619.9
XSECTION 5	RUNOFF	.13	1	2	.08	.0	4.04	24.00	1.83	---	12.59	122.65	981.2
XSECTION 5	REACH	.22	1	2	.08	.0	4.04	24.00	3.45	---	12.62	342.38	1577.8
XSECTION 5	ADDHYD	.34	1	2	.08	.0	4.04	24.00	2.85	---	12.61	464.83	1359.2
XSECTION 8	REACH	.34	1	2	.08	.0	4.04	24.00	2.84	1496.88	12.85	436.28	1275.7
XSECTION 8	ADDHYD	.52	1	2	.08	.0	4.04	24.00	2.65	1497.09	12.84	633.31	1222.6
XSECTION 8	ADDHYD	.86	1	2	.08	.0	4.04	24.00	2.73	1497.43	12.85	1069.56	1243.7
XSECTION 18	RUNOFF	.18	1	2	.08	.0	4.04	24.00	1.90	---	12.67	171.98	934.7
XSECTION 8	REACH	.18	1	2	.08	.0	4.04	24.00	1.89	1495.70	12.98	146.42	795.7
XSECTION 8	ADDHYD	1.04	1	2	.08	.0	4.04	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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 8	RUNOFF	.13	1	2	.08	.0	4.04	24.00	1.90	---	12.68	119.20	909.9
XSECTION 8	ADDHYD	1.18	1	2	.08	.0	4.04	24.00	2.50	1497.58	12.84	1315.07	1119.2
XSECTION 14	REACH	1.18	1	2	.08	.0	4.04	24.00	2.49	1489.32	13.14	1185.18	1008.7
XSECTION 9	RUNOFF	.20	1	2	.08	.0	4.04	24.00	1.82	---	12.78	157.37	794.8
XSECTION 14	REACH	.20	1	2	.08	.0	4.04	24.00	1.82	1486.26	12.93	152.29	769.1
XSECTION 14	ADDHYD	1.37	1	2	.08	.0	4.04	24.00	2.39	1489.40	13.12	1323.24	963.8
XSECTION 16	RUNOFF	.12	1	2	.08	.0	4.04	24.00	2.56	---	12.54	155.97	1310.7
XSECTION 15	REACH	.12	1	2	.08	.0	4.04	24.00	2.56	---	12.54	155.97	1310.7
XSECTION 15	RUNOFF	.07	1	2	.08	.0	4.04	24.00	2.21	---	12.74	71.32	977.0
XSECTION 15	ADDHYD	.19	1	2	.08	.0	4.04	24.00	2.43	---	12.59	221.76	1155.0
XSECTION 14	ADDHYD	1.57	1	2	.08	.0	4.04	24.00	2.40	1489.44	13.08	1415.93	904.7
XSECTION 14	RUNOFF	.18	1	2	.08	.0	4.04	24.00	2.31	---	12.51	227.94	1287.8
XSECTION 14	ADDHYD	1.74	1	2	.08	.0	4.04	24.00	2.39	1489.46	13.06	1453.15	834.2
XSECTION 27	REACH	1.74	1	2	.08	.0	4.04	24.00	2.38	1472.97	13.26	1387.16	796.3
XSECTION 17	RUNOFF	.06	1	2	.08	.0	4.04	24.00	3.47	---	12.44	101.51	1720.5
XSECTION 25	REACH	.06	1	2	.08	.0	4.04	24.00	3.43	---	12.88	89.50	1517.0
XSECTION 25	RUNOFF	.09	1	2	.08	.0	4.04	24.00	2.31	---	12.52	113.22	1272.2
XSECTION 25	ADDHYD	.15	1	2	.08	.0	4.04	24.00	2.76	---	12.56	188.68	1274.9
XSECTION 27	REACH	.15	1	2	.08	.0	4.04	24.00	2.75	1470.53	12.68	184.64	1247.6
XSECTION 27	ADDHYD	1.89	1	2	.08	.0	4.04	24.00	2.41	1473.01	13.21	1474.05	779.9
XSECTION 26	RUNOFF	.07	1	2	.08	.0	4.04	24.00	2.48	---	12.47	93.38	1393.7
XSECTION 27	ADDHYD	1.96	1	2	.08	.0	4.04	24.00	2.41	1473.02	13.21	1482.29	757.4
XSECTION 27	RUNOFF	.19	1	2	.08	.0	4.04	24.00	2.04	---	12.93	145.70	775.0
XSECTION 27	ADDHYD	2.15	1	2	.08	.0	4.04	24.00	2.38	1473.09	13.17	1609.84	750.5
XSECTION 37	REACH	2.15	1	2	.08	.0	4.04	24.00	2.38	1456.06	13.29	1602.60	747.1
XSECTION 37	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.31	---	12.46	169.10	1352.8
XSECTION 37	ADDHYD	2.27	1	2	.08	.0	4.04	24.00	2.37	1456.07	13.28	1614.38	711.2
STRUCTURE 37	RESVOR	2.27	1	2	.08	.0	4.04	24.00	2.35	1451.11	13.32	1612.18	710.2
XSECTION 24	RUNOFF	.20	1	2	.08	.0	4.04	24.00	2.14	---	12.54	233.88	1181.2
XSECTION 37	REACH	.20	1	2	.08	.0	4.04	24.00	2.14	1453.48	12.63	231.07	1167.0
XSECTION 37	ADDHYD	2.47	1	2	.08	.0	4.04	24.00	2.33	1456.11	13.28	1651.19	669.0
XSECTION 143	REACH	2.47	1	2	.08	.0	4.04	24.00	2.33	---	13.37	1649.80	668.5
XSECTION 86	DIVERT	1.23	1	2	.08	.0	4.04	24.00	.00	---	.00	.00	.0
XSECTION 85	DIVERT	1.23	1	2	.08	.0	4.04	24.00	4.66	1429.76	13.37	1649.80	1337.0
XSECTION 86	REACH	1.23	1	2	.08	.0	4.04	24.00	.00	---	.00	.00	.0
XSECTION 86	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.57	---	12.46	90.81	1441.4

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 3													
XSECTION 86	ADDHYD	1.30	1	2	.08	.0	4.04	24.00	.12	1429.97	12.46	90.81	70.0
XSECTION 87	REACH	1.30	1	2	.08	.0	4.04	24.00	.12	1429.96	12.70	80.99	62.4
XSECTION 87	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.30	---	12.55	77.03	1222.7
XSECTION 87	ADDHYD	1.36	1	2	.08	.0	4.04	24.00	.23	1430.03	12.61	154.05	113.3
XSECTION 105	REACH	1.36	1	2	.08	.0	4.04	24.00	.22	1417.62	12.99	131.77	96.9
XSECTION 10	RUNOFF	.09	1	2	.08	.0	4.04	24.00	1.83	---	12.59	93.22	981.2
XSECTION 11	REACH	.09	1	2	.08	.0	4.04	24.00	1.82	---	12.72	89.38	940.9
XSECTION 11	RUNOFF	.23	1	2	.08	.0	4.04	24.00	1.82	---	12.73	196.56	840.0
XSECTION 11	ADDHYD	.33	1	2	.08	.0	4.04	24.00	1.82	---	12.73	285.92	869.1
XSECTION 28	REACH	.33	1	2	.08	.0	4.04	24.00	1.80	---	13.23	209.26	636.0
XSECTION 13	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.22	---	12.59	140.57	1124.5
XSECTION 28	REACH	.13	1	2	.08	.0	4.04	24.00	2.19	---	13.15	99.15	793.2
XSECTION 28	ADDHYD	.45	1	2	.08	.0	4.04	24.00	1.91	---	13.20	307.52	677.3
XSECTION 28	RUNOFF	.16	1	2	.08	.0	4.04	24.00	1.97	---	12.78	134.01	859.0
XSECTION 28	ADDHYD	.61	1	2	.08	.0	4.04	24.00	1.93	---	13.08	402.24	659.4
XSECTION 36	REACH	.61	1	2	.08	.0	4.04	24.00	1.91	---	13.46	360.51	591.0
XSECTION 36	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.30	---	12.54	155.70	1245.6
XSECTION 36	ADDHYD	.74	1	2	.08	.0	4.04	24.00	1.98	---	13.44	375.82	511.3
XSECTION 90	REACH	.74	1	2	.08	.0	4.04	24.00	1.97	---	13.62	367.45	499.9
XSECTION 34	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.38	---	12.64	141.66	1133.3
XSECTION 35	REACH	.13	1	2	.08	.0	4.04	24.00	2.38	---	12.76	139.31	1114.5
XSECTION 35	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.30	---	12.54	154.91	1239.3
XSECTION 35	ADDHYD	.25	1	2	.08	.0	4.04	24.00	2.34	---	12.61	281.50	1126.0
XSECTION 91	REACH	.25	1	2	.08	.0	4.04	24.00	2.33	---	12.78	261.44	1045.7
XSECTION 91	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.57	---	12.52	169.21	1353.7
XSECTION 91	ADDHYD	.38	1	2	.08	.0	4.04	24.00	2.41	---	12.64	403.27	1075.4
XSECTION 90	REACH	.38	1	2	.08	.0	4.04	24.00	2.41	---	12.75	397.45	1059.9
XSECTION 90	RUNOFF	.11	1	2	.08	.0	4.04	24.00	2.47	---	12.58	132.92	1219.5
XSECTION 90	ADDHYD	.48	1	2	.08	.0	4.04	24.00	2.42	---	12.70	520.74	1075.9
XSECTION 90	ADDHYD	1.22	1	2	.08	.0	4.04	24.00	2.15	---	12.76	753.15	617.8
XSECTION 88	REACH	1.22	1	2	.08	.0	4.04	24.00	2.15	---	12.86	748.02	613.6
XSECTION 88	RUNOFF	.09	1	2	.08	.0	4.04	24.00	2.65	---	12.64	115.03	1223.7
XSECTION 88	ADDHYD	1.31	1	2	.08	.0	4.04	24.00	2.18	---	12.83	848.05	645.9
XSECTION 89	RUNOFF	.05	1	2	.08	.0	4.04	24.00	2.39	---	12.50	62.16	1322.6
XSECTION 88	REACH	.05	1	2	.08	.0	4.04	24.00	2.38	---	12.75	56.34	1198.7
XSECTION 88	ADDHYD	1.36	1	2	.08	.0	4.04	24.00	2.19	---	12.82	900.96	663.9

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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 101	REACH	1.36	1	2	.08	.0	4.04	24.00	2.19	---	12.91	901.43	662.8
XSECTION 101	RUNOFF	.05	1	2	.08	.0	4.04	24.00	2.84	---	12.53	67.37	1433.4
XSECTION 101	ADDHYD	1.41	1	2	.08	.0	4.04	24.00	2.21	---	12.88	934.88	664.4
XSECTION 102	REACH	1.41	1	2	.08	.0	4.04	24.00	2.21	---	13.06	895.28	636.3
XSECTION 102	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.22	---	12.60	70.08	1112.4
XSECTION 102	ADDHYD	1.47	1	2	.08	.0	4.04	24.00	2.21	---	13.03	926.60	630.3
XSECTION 105	REACH	1.47	1	2	.08	.0	4.04	24.00	2.20	1418.17	13.18	908.37	617.9
XSECTION 105	RUNOFF	.06	1	2	.08	.0	4.04	24.00	1.90	---	12.61	61.30	973.0
XSECTION 105	ADDHYD	1.53	1	2	.08	.0	4.04	24.00	2.19	1418.18	13.17	927.93	605.3
XSECTION 105	ADDHYD	2.89	1	2	.08	.0	4.04	24.00	1.26	1418.23	13.13	1050.46	363.1
XSECTION 107	REACH	2.89	1	2	.08	.0	4.04	24.00	1.26	1418.22	13.29	1031.59	356.6
XSECTION 107	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.22	---	12.52	73.26	1241.7
XSECTION 107	ADDHYD	2.95	1	2	.08	.0	4.04	24.00	1.28	1418.23	13.28	1039.75	352.2
XSECTION 85	REACH	1.23	1	2	.08	.0	4.04	24.00	4.65	1429.75	13.53	1634.03	1324.2
XSECTION 85	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.06	---	12.56	70.24	1114.9
XSECTION 85	ADDHYD	1.30	1	2	.08	.0	4.04	24.00	4.52	1429.75	13.52	1641.24	1265.4
XSECTION 83	REACH	1.30	1	2	.08	.0	4.04	24.00	4.51	1429.75	13.68	1625.53	1253.3
XSECTION 83	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.14	---	12.56	72.50	1150.8
XSECTION 83	ADDHYD	1.36	1	2	.08	.0	4.04	24.00	4.40	1429.75	13.67	1631.56	1199.7
XSECTION 84	RUNOFF	.06	1	2	.08	.0	4.04	24.00	1.90	---	12.57	65.73	1043.3
XSECTION 83	REACH	.06	1	2	.08	.0	4.04	24.00	1.90	1428.98	12.72	61.53	976.6
XSECTION 83	ADDHYD	1.42	1	2	.08	.0	4.04	24.00	4.29	1429.75	13.67	1639.85	1152.4
XSECTION 109	DIVERT	.71	1	2	.08	.0	4.04	24.00	.29	1418.58	13.67	112.96	158.8
XSECTION 80	DIVERT	.71	1	2	.08	.0	4.04	24.00	8.29	1418.58	13.67	1526.89	2146.0
XSECTION 109	REACH	.71	1	2	.08	.0	4.04	24.00	.29	1418.56	13.91	104.47	146.8
XSECTION 109	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.39	---	12.47	86.13	1367.2
XSECTION 109	ADDHYD	.77	1	2	.08	.0	4.04	24.00	.46	1418.57	13.91	108.29	139.8
XSECTION 80	REACH	.71	1	2	.08	.0	4.04	24.00	8.28	1418.58	13.79	1521.17	2138.0
XSECTION 80	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.30	---	12.53	79.54	1262.5
XSECTION 80	ADDHYD	.77	1	2	.08	.0	4.04	24.00	7.79	1418.58	13.79	1525.97	1970.3
XSECTION 79	REACH	.77	1	2	.08	.0	4.04	24.00	7.78	---	13.88	1525.41	1969.5
XSECTION 79	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.76	---	12.45	95.29	1512.5
XSECTION 79	ADDHYD	.84	1	2	.08	.0	4.04	24.00	7.40	---	13.88	1529.44	1826.2
XSECTION 76	REACH	.84	1	2	.08	.0	4.04	24.00	7.40	---	13.96	1529.13	1825.8
XSECTION 76	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.57	---	12.46	91.40	1450.7
XSECTION 76	ADDHYD	.90	1	2	.08	.0	4.04	24.00	7.06	---	13.96	1532.97	1702.4

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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 75	REACH	.90	1	2	.08	.0	4.04	24.00	7.05	---	14.05	1532.44	1701.8
XSECTION 75	RUNOFF	.06	1	2	.08	.0	4.04	24.00	3.45	---	12.50	101.37	1609.0
XSECTION 75	ADDHYD	.96	1	2	.08	.0	4.04	24.00	6.81	---	14.05	1537.20	1595.4
XSECTION 113	REACH	.96	1	2	.08	.0	4.04	24.00	6.80	---	14.16	1534.00	1592.1
XSECTION 112	RUNOFF	.06	1	2	.08	.0	4.04	24.00	1.83	---	12.55	63.36	1038.7
XSECTION 113	REACH	.06	1	2	.08	.0	4.04	24.00	1.82	---	12.71	57.37	940.5
XSECTION 113	ADDHYD	1.02	1	2	.08	.0	4.04	24.00	6.51	---	14.15	1537.94	1501.2
XSECTION 113	RUNOFF	.05	1	2	.08	.0	4.04	24.00	2.56	---	12.54	70.47	1329.7
XSECTION 113	ADDHYD	1.08	1	2	.08	.0	4.04	24.00	6.31	---	14.15	1541.40	1430.5
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
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

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 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
XSECTION 97	REACH	.13	1	2	.08	.0	4.04	24.00	2.21	---	12.81	133.74	1069.9
XSECTION 97	RUNOFF	.19	1	2	.08	.0	4.04	24.00	2.66	---	12.54	254.23	1352.3
XSECTION 97	ADDHYD	.31	1	2	.08	.0	4.04	24.00	2.48	---	12.60	367.44	1173.9
XSECTION 98	REACH	.31	1	2	.08	.0	4.04	24.00	2.47	---	12.71	363.27	1160.6
XSECTION 98	ADDHYD	1.97	1	2	.08	.0	4.04	24.00	2.12	---	12.84	1233.46	627.7
XSECTION 98	RUNOFF	.09	1	2	.08	.0	4.04	24.00	2.57	---	12.49	131.63	1400.3
XSECTION 98	ADDHYD	2.06	1	2	.08	.0	4.04	24.00	2.15	---	12.79	1286.14	624.6
XSECTION 99	REACH	2.06	1	2	.08	.0	4.04	24.00	2.14	---	12.89	1282.17	622.7
XSECTION 99	RUNOFF	.09	1	2	.08	.0	4.04	24.00	2.56	---	12.53	126.50	1345.7
XSECTION 99	ADDHYD	2.15	1	2	.08	.0	4.04	24.00	2.16	---	12.84	1346.99	625.6
XSECTION 139	REACH	2.15	1	2	.08	.0	4.04	24.00	2.16	---	12.98	1329.94	617.7
XSECTION 100	RUNOFF	.08	1	2	.08	.0	4.04	24.00	2.57	---	12.50	108.52	1391.3
XSECTION 139	REACH	.08	1	2	.08	.0	4.04	24.00	2.56	---	12.61	107.03	1372.2
XSECTION 139	ADDHYD	2.23	1	2	.08	.0	4.04	24.00	2.17	---	12.93	1378.08	617.7
XSECTION 142	RUNOFF	.25	1	2	.08	.0	4.04	24.00	2.28	---	13.03	196.23	784.9
XSECTION 141	REACH	.25	1	2	.08	.0	4.04	24.00	2.28	---	13.26	185.81	743.2
XSECTION 141	RUNOFF	.19	1	2	.08	.0	4.04	24.00	2.66	---	12.54	254.23	1352.3
XSECTION 141	ADDHYD	.44	1	2	.08	.0	4.04	24.00	2.44	---	12.63	341.50	779.7
XSECTION 140	REACH	.44	1	2	.08	.0	4.04	24.00	2.43	---	12.76	333.45	761.3
XSECTION 140	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.57	---	12.52	170.38	1363.0
XSECTION 140	ADDHYD	.56	1	2	.08	.0	4.04	24.00	2.46	---	12.63	474.94	843.6
XSECTION 137	RUNOFF	.08	1	2	.08	.0	4.04	24.00	1.98	---	12.55	85.47	1095.7
XSECTION 140	ADDHYD	.64	1	2	.08	.0	4.04	24.00	2.40	---	12.61	558.48	871.3
XSECTION 139	REACH	.64	1	2	.08	.0	4.04	24.00	2.39	---	12.90	502.94	784.6
XSECTION 139	ADDHYD	2.87	1	2	.08	.0	4.04	24.00	2.22	---	12.92	1880.56	654.8
XSECTION 136	RUNOFF	.07	1	2	.08	.0	4.04	24.00	3.47	---	12.44	113.55	1720.5
XSECTION 138	REACH	.07	1	2	.08	.0	4.04	24.00	3.44	---	12.69	107.95	1635.6
XSECTION 138	RUNOFF	.20	1	2	.08	.0	4.04	24.00	2.40	---	12.46	283.21	1395.1
XSECTION 138	ADDHYD	.27	1	2	.08	.0	4.04	24.00	2.65	---	12.47	384.43	1429.1
XSECTION 139	REACH	.27	1	2	.08	.0	4.04	24.00	2.65	---	12.61	358.05	1331.0
XSECTION 139	ADDHYD	3.14	1	2	.08	.0	4.04	24.00	2.26	---	12.84	2120.29	675.0
XSECTION 139	RUNOFF	.19	1	2	.08	.0	4.04	24.00	2.66	---	12.51	263.45	1401.3
XSECTION 139	ADDHYD	3.33	1	2	.08	.0	4.04	24.00	[illegible]	---	[illegible]	[illegible]	[illegible]

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 129	RUNOFF	.11	1	2	.08	.0	4.04	24.00	2.23	---	12.45	148.26	1372.8
XSECTION 130	RUNOFF	.03	1	2	.08	.0	4.04	24.00	3.05	---	12.44	50.77	1637.7
XSECTION 129	ADDHYD	.14	1	2	.08	.0	4.04	24.00	2.41	---	12.45	199.00	1431.7
XSECTION 127	REACH	.14	1	2	.08	.0	4.04	24.00	2.40	---	12.72	178.16	1281.8
XSECTION 128	RUNOFF	.04	1	2	.08	.0	4.04	24.00	2.07	---	12.45	47.02	1306.1
XSECTION 127	REACH	.04	1	2	.08	.0	4.04	24.00	2.05	---	12.84	36.51	1014.1
XSECTION 127	ADDHYD	.17	1	2	.08	.0	4.04	24.00	2.32	---	12.73	211.94	1211.1
XSECTION 127	RUNOFF	.16	1	2	.08	.0	4.04	24.00	2.23	---	12.45	213.56	1343.1
XSECTION 127	ADDHYD	.33	1	2	.08	.0	4.04	24.00	2.28	---	12.49	390.23	1168.4
XSECTION 132	RUNOFF	.14	1	2	.08	.0	4.04	24.00	2.76	---	12.46	218.08	1504.0
XSECTION 131	REACH	.14	1	2	.08	.0	4.04	24.00	2.75	---	12.56	212.88	1468.2
XSECTION 131	ADDHYD	.48	1	2	.08	.0	4.04	24.00	2.42	---	12.50	599.46	1251.5
XSECTION 131	RUNOFF	.12	1	2	.08	.0	4.04	24.00	2.57	---	12.46	171.53	1441.4
XSECTION 131	ADDHYD	.60	1	2	.08	.0	4.04	24.00	2.45	---	12.49	769.62	1287.0
XSECTION 126	REACH	.60	1	2	.08	.0	4.04	24.00	2.45	---	12.59	760.64	1272.0
XSECTION 126	RUNOFF	.16	1	2	.08	.0	4.04	24.00	3.46	---	12.44	265.71	1681.7
XSECTION 126	ADDHYD	.76	1	2	.08	.0	4.04	24.00	2.66	---	12.53	1007.74	1333.0
XSECTION 134	REACH	.76	1	2	.08	.0	4.04	24.00	2.66	---	12.62	1002.24	1325.7
XSECTION 135	RUNOFF	.04	1	2	.08	.0	4.04	24.00	3.47	---	12.44	72.26	1720.5
XSECTION 134	REACH	.04	1	2	.08	.0	4.04	24.00	3.44	---	12.79	64.63	1538.8
XSECTION 134	ADDHYD	.80	1	2	.08	.0	4.04	24.00	2.70	---	12.62	1062.83	1331.9
XSECTION 134	RUNOFF	.20	1	2	.08	.0	4.04	24.00	2.48	---	12.47	274.55	1393.7
XSECTION 134	ADDHYD	1.00	1	2	.08	.0	4.04	24.00	2.65	---	12.56	1305.95	1312.5
XSECTION 125	RUNOFF	.12	1	2	.08	.0	4.04	24.00	3.47	---	12.44	201.30	1720.5
XSECTION 125	ADDHYD	1.11	1	2	.08	.0	4.04	24.00	2.74	---	12.51	1473.03	1324.7
XSECTION 124	REACH	1.11	1	2	.08	.0	4.04	24.00	2.73	---	12.62	1443.89	1298.5
XSECTION 124	RUNOFF	.22	1	2	.08	.0	4.04	24.00	2.40	---	12.46	303.53	1386.0
XSECTION 124	ADDHYD	1.33	1	2	.08	.0	4.04	24.00	2.68	---	12.55	1698.17	1275.9
XSECTION 103	REACH	3.33	1	2	.08	.0	4.04	24.00	2.28	---	12.76	2263.56	680.0
XSECTION 103	RUNOFF	.08	1	2	.08	.0	4.04	24.00	2.40	---	12.46	112.17	1384.9
XSECTION 103	ADDHYD	3.41	1	2	.08	.0	4.04	24.00	2.28	---	12.73	2301.12	674.8
XSECTION 104	REACH	3.41	1	2	.08	.0	4.04	24.00	2.28	---	12.73	2301.12	674.8
XSECTION 104	ADDHYD	4.74	1	2	.08	.0	4.04	24.00	2.39	---	12.62	3904.53	823.6
XSECTION 104	RUNOFF	.07	1	2	.08	.0	4.04	24.00	1.90	---	12.64	65.89	954.9
XSECTION 104	ADDHYD	4.81	1	2	.08	.0	4.04	24.00	2.39	---	12.62	3970.35	825.4
XSECTION 107	REACH	4.81	1	2	.08	.0	4.04	24.00	2.39	1419.07	12.62	3970.35	825.4

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 3													
XSECTION 107	ADDHYD	7.76	1	2	.08	.0	4.04	24.00	1.97	1419.21	12.67	4553.36	586.6
XSECTION 123	RUNOFF	.21	1	2	.08	.0	4.04	24.00	3.46	---	12.44	359.53	1687.9
XSECTION 107	ADDHYD	7.97	1	2	.08	.0	4.04	24.00	2.01	1419.27	12.62	4772.16	598.4
XSECTION 108	REACH	7.97	1	2	.08	.0	4.04	24.00	2.01	---	12.62	4772.16	598.4
XSECTION 106	RUNOFF	.06	1	2	.08	.0	4.04	24.00	1.98	---	12.58	66.28	1052.0
XSECTION 108	REACH	.06	1	2	.08	.0	4.04	24.00	1.98	---	12.70	64.54	1024.4
XSECTION 108	RUNOFF	.03	1	2	.08	.0	4.04	24.00	1.99	---	12.48	30.01	1200.4
XSECTION 108	ADDHYD	.09	1	2	.08	.0	4.04	24.00	1.98	---	12.56	88.40	1004.5
XSECTION 108	ADDHYD	8.06	1	2	.08	.0	4.04	24.00	2.01	---	12.62	4858.58	602.6
XSECTION 109	ADDHYD	8.84	1	2	.08	.0	4.04	24.00	1.87	1421.64	12.61	4929.12	557.8
XSECTION 110	REACH	8.84	1	2	.08	.0	4.04	24.00	1.87	---	12.61	4929.12	557.8
XSECTION 122	RUNOFF	.35	1	2	.08	.0	4.04	24.00	2.48	---	12.47	497.17	1400.5
XSECTION 122	ADDHYD	9.19	1	2	.08	.0	4.04	24.00	1.89	---	12.58	5383.30	585.6
XSECTION 110	RUNOFF	.07	1	2	.08	.0	4.04	24.00	1.90	---	12.58	74.20	1016.5
XSECTION 110	ADDHYD	9.27	1	2	.08	.0	4.04	24.00	1.89	---	12.58	5457.50	589.0
XSECTION 111	REACH	9.27	1	2	.08	.0	4.04	24.00	1.89	---	12.58	5457.50	589.0
XSECTION 111	RUNOFF	.07	1	2	.08	.0	4.04	24.00	1.83	---	12.59	68.69	981.2
XSECTION 111	ADDHYD	9.34	1	2	.08	.0	4.04	24.00	1.89	---	12.58	5526.17	592.0
XSECTION 112	REACH	9.34	1	2	.08	.0	4.04	24.00	1.89	---	12.67	5478.13	586.8
XSECTION 121	RUNOFF	.25	1	2	.08	.0	4.04	24.00	3.47	---	12.44	429.70	1718.8
XSECTION 112	ADDHYD	9.59	1	2	.08	.0	4.04	24.00	1.93	---	12.64	5601.27	584.3
XSECTION 113	REACH	9.59	1	2	.08	.0	4.04	24.00	1.93	---	12.74	5572.27	581.3
XSECTION 113	ADDHYD	10.66	1	2	.08	.0	4.04	24.00	2.37	---	12.76	6347.93	595.3
XSECTION 120	RUNOFF	.23	1	2	.08	.0	4.04	24.00	2.66	---	12.47	338.15	1463.9
XSECTION 113	ADDHYD	10.89	1	2	.08	.0	4.04	24.00	2.38	---	12.73	6487.66	595.5
XSECTION 114	REACH	10.89	1	2	.08	.0	4.04	24.00	2.37	---	12.89	6297.11	578.0
XSECTION 49	RUNOFF	.09	1	2	.08	.0	4.04	24.00	3.46	---	12.44	146.94	1708.6
XSECTION 48	REACH	.09	1	2	.08	.0	4.04	24.00	3.44	---	12.70	140.68	1635.8
XSECTION 48	RUNOFF	.13	1	2	.08	.0	4.04	24.00	1.98	---	12.60	130.02	1040.2
XSECTION 48	ADDHYD	.21	1	2	.08	.0	4.04	24.00	2.57	---	12.62	267.97	1270.0
XSECTION 20	RUNOFF	.06	1	2	.08	.0	4.04	24.00	3.47	---	12.44	110.11	1720.5
XSECTION 48	REACH	.06	1	2	.08	.0	4.04	24.00	3.43	---	12.98	89.83	1403.5
XSECTION 48	ADDHYD	.28	1	2	.08	.0	4.04	24.00	2.77	---	12.67	341.58	1242.1
XSECTION 56	REACH	.28	1	2	.08	.0	4.04	24.00	2.77	---	12.80	334.25	1215.5
XSECTION 56	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.23	---	12.46	83.11	1319.1
XSECTION 56	ADDHYD	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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 57	REACH	.34	1	2	.08	.0	4.04	24.00	2.66	---	12.73	363.95	1076.8
XSECTION 57	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.23	---	12.46	83.11	1319.1
XSECTION 57	ADDHYD	.40	1	2	.08	.0	4.04	24.00	2.60	---	12.60	412.30	1028.2
XSECTION 60	REACH	.40	1	2	.08	.0	4.04	24.00	2.59	---	12.75	399.85	997.1
XSECTION 60	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.14	---	12.54	73.55	1167.5
XSECTION 60	ADDHYD	.46	1	2	.08	.0	4.04	24.00	2.53	---	12.70	460.21	991.8
XSECTION 58	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.40	---	12.46	87.32	1386.0
XSECTION 60	REACH	.06	1	2	.08	.0	4.04	24.00	2.39	---	12.65	84.26	1337.4
XSECTION 60	ADDHYD	.53	1	2	.08	.0	4.04	24.00	2.51	---	12.69	544.37	1033.0
XSECTION 65	REACH	.53	1	2	.08	.0	4.04	24.00	2.51	---	12.79	539.99	1024.7
XSECTION 65	RUNOFF	.06	1	2	.08	.0	4.04	24.00	1.83	---	12.56	64.53	1024.3
XSECTION 65	ADDHYD	.59	1	2	.08	.0	4.04	24.00	2.44	---	12.76	586.84	994.6
XSECTION 68	REACH	.59	1	2	.08	.0	4.04	24.00	2.43	---	12.86	582.24	986.9
XSECTION 68	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.48	---	12.46	89.38	1418.7
XSECTION 68	ADDHYD	.65	1	2	.08	.0	4.04	24.00	2.44	---	12.84	597.35	914.8
XSECTION 47	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.23	---	12.48	161.49	1291.9
XSECTION 46	REACH	.13	1	2	.08	.0	4.04	24.00	2.22	---	12.58	160.03	1280.2
XSECTION 46	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.23	---	12.47	162.41	1299.3
XSECTION 46	ADDHYD	.25	1	2	.08	.0	4.04	24.00	2.22	---	12.51	317.51	1270.0
XSECTION 59	REACH	.25	1	2	.08	.0	4.04	24.00	2.22	---	12.62	308.76	1235.1
XSECTION 59	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.23	---	12.46	83.11	1319.1
XSECTION 59	ADDHYD	.31	1	2	.08	.0	4.04	24.00	2.22	---	12.55	378.51	1209.3
XSECTION 21	RUNOFF	.19	1	2	.08	.0	4.04	24.00	2.30	---	12.57	222.80	1178.8
XSECTION 43	RUNOFF	.05	1	2	.08	.0	4.04	24.00	2.58	---	12.45	70.48	1499.6
XSECTION 21	ADDHYD	.24	1	2	.08	.0	4.04	24.00	2.36	---	12.49	285.36	1209.2
XSECTION 45	REACH	.24	1	2	.08	.0	4.04	24.00	2.34	---	12.77	239.44	1014.6
XSECTION 45	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.57	---	12.54	166.06	1328.5
XSECTION 45	ADDHYD	.36	1	2	.08	.0	4.04	24.00	2.42	---	12.65	383.54	1062.4
XSECTION 59	REACH	.36	1	2	.08	.0	4.04	24.00	2.42	---	12.77	377.35	1045.3
XSECTION 59	ADDHYD	.67	1	2	.08	.0	4.04	24.00	2.32	---	12.62	720.00	1068.3
XSECTION 66	REACH	.67	1	2	.08	.0	4.04	24.00	2.32	---	12.72	715.12	1061.0
XSECTION 66	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.30	---	12.53	78.90	1252.4
XSECTION 66	ADDHYD	.74	1	2	.08	.0	4.04	24.00	2.32	---	12.69	779.36	1057.5
XSECTION 68	REACH	.74	1	2	.08	.0	4.04	24.00	2.32	---	12.81	768.12	1042.2
XSECTION 68	ADDHYD	1.39	1	2	.08	.0	4.04	24.00	2.37	---	12.82	1363.25	980.8
XSECTION 70	REACH	1.39	1	2	.08	.0	4.04	24.00	2.37	---	12.90	1356.82	975.1

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 3													
XSECTION 70	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.57	---	12.46	91.40	1450.7
XSECTION 70	ADDHYD	1.45	1	2	.08	.0	4.04	24.00	2.38	---	12.91	1368.88	942.1
XSECTION 74	REACH	1.45	1	2	.08	.0	4.04	24.00	2.38	---	13.00	1366.25	940.3
XSECTION 74	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.95	---	12.45	99.42	1578.1
XSECTION 74	ADDHYD	1.52	1	2	.08	.0	4.04	24.00	2.40	---	13.00	1376.66	908.1
XSECTION 23	RUNOFF	.09	1	2	.08	.0	4.04	24.00	3.46	---	12.44	154.39	1696.6
XSECTION 40	REACH	.09	1	2	.08	.0	4.04	24.00	3.44	---	12.73	143.22	1573.8
XSECTION 38	RUNOFF	.13	1	2	.08	.0	4.04	24.00	1.98	---	12.54	140.54	1124.3
XSECTION 40	REACH	.13	1	2	.08	.0	4.04	24.00	1.97	---	12.69	127.74	1021.9
XSECTION 40	ADDHYD	.22	1	2	.08	.0	4.04	24.00	2.59	---	12.71	270.63	1252.9
XSECTION 40	RUNOFF	.09	1	2	.08	.0	4.04	24.00	2.22	---	12.55	111.50	1186.2
XSECTION 40	ADDHYD	.31	1	2	.08	.0	4.04	24.00	2.48	---	12.64	373.29	1204.2
XSECTION 82	REACH	.31	1	2	.08	.0	4.04	24.00	2.48	---	12.76	367.15	1184.4
XSECTION 82	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.40	---	12.46	86.69	1376.0
XSECTION 82	ADDHYD	.37	1	2	.08	.0	4.04	24.00	2.46	---	12.60	416.33	1116.2
XSECTION 39	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.48	---	12.55	160.23	1281.8
XSECTION 82	REACH	.13	1	2	.08	.0	4.04	24.00	2.47	---	12.70	151.27	1210.2
XSECTION 82	ADDHYD	.50	1	2	.08	.0	4.04	24.00	2.46	---	12.63	562.06	1128.6
XSECTION 81	REACH	.50	1	2	.08	.0	4.04	24.00	2.46	---	12.74	557.78	1120.0
XSECTION 81	RUNOFF	.06	1	2	.08	.0	4.04	24.00	1.83	---	12.57	63.49	1007.8
XSECTION 81	ADDHYD	.56	1	2	.08	.0	4.04	24.00	2.39	---	12.71	612.52	1091.8
XSECTION 78	REACH	.56	1	2	.08	.0	4.04	24.00	2.39	---	12.82	606.32	1080.8
XSECTION 78	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.57	---	12.46	90.81	1441.4
XSECTION 78	ADDHYD	.62	1	2	.08	.0	4.04	24.00	2.40	---	12.77	628.69	1007.5
XSECTION 22	RUNOFF	.15	1	2	.08	.0	4.04	24.00	2.30	---	12.53	190.91	1247.8
XSECTION 41	REACH	.15	1	2	.08	.0	4.04	24.00	2.30	---	12.76	180.52	1179.9
XSECTION 41	RUNOFF	.17	1	2	.08	.0	4.04	24.00	2.39	---	12.50	227.58	1323.2
XSECTION 41	ADDHYD	.32	1	2	.08	.0	4.04	24.00	2.35	---	12.55	386.12	1188.1
XSECTION 42	RUNOFF	.08	1	2	.08	.0	4.04	24.00	2.31	---	12.45	106.80	1369.2
XSECTION 42	ADDHYD	.40	1	2	.08	.0	4.04	24.00	2.34	---	12.52	484.05	1201.1
XSECTION 78	REACH	.40	1	2	.08	.0	4.04	24.00	2.34	---	12.63	472.90	1173.5
XSECTION 78	ADDHYD	1.03	1	2	.08	.0	4.04	24.00	2.38	---	12.66	1086.75	1058.2
XSECTION 77	REACH	1.03	1	2	.08	.0	4.04	24.00	2.37	---	12.75	1081.64	1053.2
XSECTION 77	RUNOFF	.06	1	2	.08	.0	4.04	24.00	1.83	---	12.53	68.62	1089.2
XSECTION 77	ADDHYD	1.09	1	2	.08	.0	4.04	24.00	2.34	---	12.73	1123.92	1031.1
XSECTION 69	REACH	1.09	1	2	.08	.0	4.04	24.00	2.31	---	12.83	1117.21	1025.0

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 69	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.14	---	12.60	69.10	1096.8
XSECTION 69	ADDHYD	1.15	1	2	.08	.0	4.04	24.00	2.33	---	12.81	1171.70	1016.2
XSECTION 44	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.31	---	12.48	166.48	1331.8
XSECTION 67	REACH	.13	1	2	.08	.0	4.04	24.00	2.30	---	12.59	162.62	1301.0
XSECTION 67	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.76	---	12.45	95.29	1512.5
XSECTION 67	ADDHYD	.19	1	2	.08	.0	4.04	24.00	2.46	---	12.51	251.26	1336.5
XSECTION 69	REACH	.19	1	2	.08	.0	4.04	24.00	2.45	---	12.61	247.57	1316.9
XSECTION 69	ADDHYD	1.34	1	2	.08	.0	4.04	24.00	2.35	---	12.76	1376.45	1026.4
XSECTION 74	REACH	1.34	1	2	.08	.0	4.04	24.00	2.34	---	12.87	1358.77	1013.3
XSECTION 74	ADDHYD	2.86	1	2	.08	.0	4.04	24.00	2.37	---	12.93	2703.09	946.1
XSECTION 114	REACH	2.86	1	2	.08	.0	4.04	24.00	2.37	---	13.10	2607.02	912.5
XSECTION 114	RUNOFF	.13	1	2	.08	.0	4.04	24.00	1.81	---	12.94	87.92	686.9
XSECTION 114	ADDHYD	2.98	1	2	.08	.0	4.04	24.00	2.34	---	13.09	2690.58	901.4
XSECTION 71	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.48	---	12.53	163.81	1310.5
XSECTION 114	REACH	.13	1	2	.08	.0	4.04	24.00	2.46	---	12.90	140.59	1124.7
XSECTION 114	ADDHYD	3.11	1	2	.08	.0	4.04	24.00	2.35	---	13.08	2815.25	905.2
XSECTION 64	RUNOFF	.25	1	2	.08	.0	4.04	24.00	2.22	---	12.48	319.51	1278.1
XSECTION 72	REACH	.25	1	2	.08	.0	4.04	24.00	2.22	---	12.63	296.13	1184.5
XSECTION 72	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.30	---	12.54	154.91	1239.3
XSECTION 72	ADDHYD	.38	1	2	.08	.0	4.04	24.00	2.25	---	12.60	446.87	1191.7
XSECTION 114	REACH	.38	1	2	.08	.0	4.04	24.00	2.24	---	12.84	413.53	1102.8
XSECTION 114	ADDHYD	3.48	1	2	.08	.0	4.04	24.00	2.34	---	13.03	3156.76	905.8
XSECTION 115	RUNOFF	.09	1	2	.08	.0	4.04	24.00	2.22	---	12.53	115.33	1226.9
XSECTION 114	ADDHYD	3.58	1	2	.08	.0	4.04	24.00	2.33	---	13.02	3185.39	890.0
XSECTION 114	ADDHYD	14.47	1	2	.08	.0	4.04	24.00	2.36	---	12.94	9403.36	649.7
XSECTION 119	RUNOFF	.23	1	2	.08	.0	4.04	24.00	2.13	---	12.83	199.50	863.6
XSECTION 119	ADDHYD	14.70	1	2	.08	.0	4.04	24.00	2.36	---	12.93	9597.77	652.7
XSECTION 118	REACH	14.70	1	2	.08	.0	4.04	24.00	2.36	---	13.09	9438.37	641.9
XSECTION 118	RUNOFF	.23	1	2	.08	.0	4.04	24.00	2.11	---	13.17	153.26	663.5
XSECTION 118	ADDHYD	14.93	1	2	.08	.0	4.04	24.00	2.35	---	13.09	9590.35	642.1
ALTERNATE 1 STORM 4													
XSECTION 1	RUNOFF	.15	1	2	.08	.0	5.07	24.00	4.47	---	12.45	315.14	2129.3
XSECTION 2	RUNOFF	.10	1	2	.08	.0	5.07	24.00	4.48	---	12.43	205.68	2120.4
XSECTION 3	REACH	.15	1	2	.08	.0	5.07	24.00	4.46	---	12.54	311.59	2105.3
XSECTION 3	REACH	.10	1	2	.08	.0	5.07	24.00	4.46	---	12.53	202.96	2092.4
XSECTION 3	ADDHYD	.25	1	2	.08	.0	5.07	24.00	4.46	---	12.53	514.53	2100.1

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 4													
XSECTION 3	RUNOFF	.05	1	2	.08	.0	5.07	24.00	2.67	---	12.51	72.26	1537.6
XSECTION 3	ADDHYD	.29	1	2	.08	.0	5.07	24.00	4.17	---	12.53	587.18	2010.9
XSECTION 6	RUNOFF	.11	1	2	.08	.0	5.07	24.00	3.02	---	12.69	149.44	1371.0
XSECTION 6	REACH	.29	1	2	.08	.0	5.07	24.00	4.16	1506.09	12.72	575.49	1970.9
XSECTION 6	ADDHYD	.40	1	2	.08	.0	5.07	24.00	3.85	1506.21	12.71	724.65	1807.1
XSECTION 8	REACH	.40	1	2	.08	.0	5.07	24.00	3.84	1497.15	12.86	703.74	1755.0
XSECTION 7	RUNOFF	.12	1	2	.08	.0	5.07	24.00	2.66	---	12.64	153.08	1308.4
XSECTION 8	REACH	.12	1	2	.08	.0	5.07	24.00	2.65	1495.73	12.74	151.45	1294.5
XSECTION 19	RUNOFF	.02	1	2	.08	.0	5.07	24.00	4.48	---	12.42	46.68	2121.8
XSECTION 4	RUNOFF	.19	1	2	.08	.0	5.07	24.00	4.48	---	12.43	413.07	2118.3
XSECTION 4	REACH	.02	1	2	.08	.0	5.07	24.00	4.44	---	12.80	41.53	1887.9
XSECTION 4	ADDHYD	.22	1	2	.08	.0	5.07	24.00	4.47	---	12.44	453.15	2088.3
XSECTION 5	RUNOFF	.13	1	2	.08	.0	5.07	24.00	2.66	---	12.57	174.96	1399.7
XSECTION 5	REACH	.22	1	2	.08	.0	5.07	24.00	4.46	---	12.61	444.74	2049.5
XSECTION 5	ADDHYD	.34	1	2	.08	.0	5.07	24.00	3.80	---	12.60	619.18	1810.5
XSECTION 8	REACH	.34	1	2	.08	.0	5.07	24.00	3.79	1497.05	12.83	585.57	1712.2
XSECTION 8	ADDHYD	.52	1	2	.08	.0	5.07	24.00	3.58	1497.28	12.83	847.98	1637.0
XSECTION 8	ADDHYD	.86	1	2	.08	.0	5.07	24.00	3.66	1497.64	12.83	1433.55	1666.9
XSECTION 18	RUNOFF	.18	1	2	.08	.0	5.07	24.00	2.74	---	12.65	245.14	1332.3
XSECTION 8	REACH	.18	1	2	.08	.0	5.07	24.00	2.73	1496.50	12.87	217.07	1179.8
XSECTION 8	ADDHYD	1.04	1	2	.08	.0	5.07	24.00	3.50	1497.75	12.84	1649.89	1580.4
XSECTION 8	RUNOFF	.13	1	2	.08	.0	5.07	24.00	2.74	---	12.66	170.26	1299.7
XSECTION 8	ADDHYD	1.18	1	2	.08	.0	5.07	24.00	3.41	1497.82	12.82	1804.46	1535.7
XSECTION 14	REACH	1.18	1	2	.08	.0	5.07	24.00	3.40	1489.56	13.02	1656.16	1409.5
XSECTION 9	RUNOFF	.20	1	2	.08	.0	5.07	24.00	2.65	---	12.77	227.90	1151.0
XSECTION 14	REACH	.20	1	2	.08	.0	5.07	24.00	2.64	1486.78	12.91	222.06	1121.5
XSECTION 14	ADDHYD	1.37	1	2	.08	.0	5.07	24.00	3.29	1489.66	13.01	1871.54	1363.1
XSECTION 16	RUNOFF	.12	1	2	.08	.0	5.07	24.00	3.51	---	12.53	208.86	1755.1
XSECTION 15	REACH	.12	1	2	.08	.0	5.07	24.00	3.51	---	12.53	208.86	1755.1
XSECTION 15	RUNOFF	.07	1	2	.08	.0	5.07	24.00	3.11	---	12.72	99.19	1358.8
XSECTION 15	ADDHYD	.19	1	2	.08	.0	5.07	24.00	3.35	---	12.57	301.24	1569.0
XSECTION 14	ADDHYD	1.57	1	2	.08	.0	5.07	24.00	3.30	1489.73	12.96	2033.64	1299.5
XSECTION 14	RUNOFF	.18	1	2	.08	.0	5.07	24.00	3.22	---	12.50	308.80	1744.6
XSECTION 14	ADDHYD	1.74	1	2	.08	.0	5.07	24.00	3.29	1489.77	12.91	2109.76	1211.1
XSECTION 27	REACH	1.74	1	2	.08	.0	5.07	24.00	3.28	1473.28	13.11	2040.54	1171.4
XSECTION 17	RUNOFF	.06	1	2	.08	.0	5.07	24.00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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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 4													
XSECTION 25	REACH	.06	1	2	.08	.0	5.07	24.00	4.45	---	12.71	116.26	1970.5
XSECTION 25	RUNOFF	.09	1	2	.08	.0	5.07	24.00	3.22	---	12.52	152.61	1714.8
XSECTION 25	ADDHYD	.15	1	2	.08	.0	5.07	24.00	3.71	---	12.54	262.79	1775.6
XSECTION 27	REACH	.15	1	2	.08	.0	5.07	24.00	3.70	1470.98	12.65	259.00	1750.0
XSECTION 27	ADDHYD	1.89	1	2	.08	.0	5.07	24.00	3.32	1473.34	13.04	2168.09	1147.1
XSECTION 26	RUNOFF	.07	1	2	.08	.0	5.07	24.00	3.42	---	12.47	124.48	1857.9
XSECTION 27	ADDHYD	1.96	1	2	.08	.0	5.07	24.00	3.32	1473.35	13.03	2184.11	1116.0
XSECTION 27	RUNOFF	.19	1	2	.08	.0	5.07	24.00	2.91	---	12.91	207.30	1102.6
XSECTION 27	ADDHYD	2.15	1	2	.08	.0	5.07	24.00	3.28	1473.43	13.01	2386.33	1112.5
XSECTION 37	REACH	2.15	1	2	.08	.0	5.07	24.00	3.28	1456.84	13.11	2380.28	1109.7
XSECTION 37	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.22	---	12.46	227.42	1819.4
XSECTION 37	ADDHYD	2.27	1	2	.08	.0	5.07	24.00	3.28	1456.86	13.10	2400.98	1057.7
STRUCTURE 37	RESVOR	2.27	1	2	.08	.0	5.07	24.00	3.25	1452.34	13.14	2398.30	1056.5
XSECTION 24	RUNOFF	.20	1	2	.08	.0	5.07	24.00	3.03	---	12.53	322.19	1627.2
XSECTION 37	REACH	.20	1	2	.08	.0	5.07	24.00	3.02	1453.79	12.62	319.91	1615.7
XSECTION 37	ADDHYD	2.47	1	2	.08	.0	5.07	24.00	3.23	1456.95	13.05	2491.17	1009.4
XSECTION 143	REACH	2.47	1	2	.08	.0	5.07	24.00	3.23	---	13.14	2490.55	1009.1
XSECTION 86	DIVERT	1.23	1	2	.08	.0	5.07	24.00	.07	1429.95	13.14	75.98	61.6
XSECTION 85	DIVERT	1.23	1	2	.08	.0	5.07	24.00	6.39	1429.95	13.14	2414.57	1956.7
XSECTION 86	REACH	1.23	1	2	.08	.0	5.07	24.00	.07	1429.94	13.41	63.14	51.2
XSECTION 86	RUNOFF	.06	1	2	.08	.0	5.07	24.00	3.52	---	12.45	120.15	1907.1
XSECTION 86	ADDHYD	1.30	1	2	.08	.0	5.07	24.00	.24	1430.00	12.45	120.15	92.6
XSECTION 87	REACH	1.30	1	2	.08	.0	5.07	24.00	.24	1429.99	12.69	110.29	85.0
XSECTION 87	RUNOFF	.06	1	2	.08	.0	5.07	24.00	3.21	---	12.54	105.04	1667.3
XSECTION 87	ADDHYD	1.36	1	2	.08	.0	5.07	24.00	.37	1430.06	12.60	210.16	154.5
XSECTION 105	REACH	1.36	1	2	.08	.0	5.07	24.00	.37	1417.70	12.89	185.14	136.1
XSECTION 10	RUNOFF	.09	1	2	.08	.0	5.07	24.00	2.66	---	12.57	132.97	1399.7
XSECTION 11	REACH	.09	1	2	.08	.0	5.07	24.00	2.65	---	12.70	129.34	1361.5
XSECTION 11	RUNOFF	.23	1	2	.08	.0	5.07	24.00	2.65	---	12.72	283.77	1212.7
XSECTION 11	ADDHYD	.33	1	2	.08	.0	5.07	24.00	2.65	---	12.71	413.00	1255.3
XSECTION 28	REACH	.33	1	2	.08	.0	5.07	24.00	2.63	---	13.10	321.67	977.7
XSECTION 13	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.12	---	12.57	193.87	1550.9
XSECTION 28	REACH	.13	1	2	.08	.0	5.07	24.00	3.09	---	13.04	145.70	1165.6
XSECTION 28	ADDHYD	.45	1	2	.08	.0	5.07	24.00	2.76	---	13.08	466.65	1027.9
XSECTION 28	RUNOFF	.16	1	2	.08	.0	5.07	24.00	2.83	---	12.76	190.94	1223.9
XSECTION 28	ADDHYD	.61	1	2	.08	.0	5.07	24.00	2.78	---	12.98	628.94	1022.9

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 4													
XSECTION 36	REACH	.61	1	2	.08	.0	5.07	24.00	2.77	---	13.24	570.08	934.6
XSECTION 36	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.22	---	12.53	211.88	1695.1
XSECTION 36	ADDHYD	.74	1	2	.08	.0	5.07	24.00	2.84	---	13.19	603.38	820.9
XSECTION 90	REACH	.74	1	2	.08	.0	5.07	24.00	2.84	---	13.35	594.11	808.3
XSECTION 34	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.30	---	12.63	193.40	1547.2
XSECTION 35	REACH	.13	1	2	.08	.0	5.07	24.00	3.30	---	12.74	190.95	1527.6
XSECTION 35	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.21	---	12.53	210.93	1687.5
XSECTION 35	ADDHYD	.25	1	2	.08	.0	5.07	24.00	3.26	---	12.59	386.73	1546.9
XSECTION 91	REACH	.25	1	2	.08	.0	5.07	24.00	3.25	---	12.75	365.83	1463.3
XSECTION 91	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.51	---	12.51	224.95	1799.6
XSECTION 91	ADDHYD	.38	1	2	.08	.0	5.07	24.00	3.34	---	12.62	560.50	1494.7
XSECTION 90	REACH	.38	1	2	.08	.0	5.07	24.00	3.33	---	12.73	554.89	1479.7
XSECTION 90	RUNOFF	.11	1	2	.08	.0	5.07	24.00	3.40	---	12.57	179.77	1649.2
XSECTION 90	ADDHYD	.48	1	2	.08	.0	5.07	24.00	3.35	---	12.69	723.28	1494.4
XSECTION 90	ADDHYD	1.22	1	2	.08	.0	5.07	24.00	3.04	---	12.78	1168.72	958.8
XSECTION 88	REACH	1.22	1	2	.08	.0	5.07	24.00	3.04	---	12.87	1165.09	955.8
XSECTION 88	RUNOFF	.09	1	2	.08	.0	5.07	24.00	3.60	---	12.62	154.02	1638.5
XSECTION 88	ADDHYD	1.31	1	2	.08	.0	5.07	24.00	3.08	---	12.84	1296.29	987.3
XSECTION 89	RUNOFF	.05	1	2	.08	.0	5.07	24.00	3.32	---	12.49	83.69	1780.7
XSECTION 88	REACH	.05	1	2	.08	.0	5.07	24.00	3.30	---	12.73	77.83	1656.1
XSECTION 88	ADDHYD	1.36	1	2	.08	.0	5.07	24.00	3.08	---	12.83	1370.56	1007.8
XSECTION 101	REACH	1.36	1	2	.08	.0	5.07	24.00	3.08	---	12.91	1370.48	1007.7
XSECTION 101	RUNOFF	.05	1	2	.08	.0	5.07	24.00	3.81	---	12.52	88.47	1882.4
XSECTION 101	ADDHYD	1.41	1	2	.08	.0	5.07	24.00	3.10	---	12.89	1413.70	1004.8
XSECTION 102	REACH	1.41	1	2	.08	.0	5.07	24.00	3.10	---	13.05	1370.30	973.9
XSECTION 102	RUNOFF	.06	1	2	.08	.0	5.07	24.00	3.11	---	12.58	96.73	1535.4
XSECTION 102	ADDHYD	1.47	1	2	.08	.0	5.07	24.00	3.10	---	13.02	1414.35	962.1
XSECTION 105	REACH	1.47	1	2	.08	.0	5.07	24.00	3.09	1418.36	13.15	1395.37	949.2
XSECTION 105	RUNOFF	.06	1	2	.08	.0	5.07	24.00	2.74	---	12.60	86.96	1380.4
XSECTION 105	ADDHYD	1.53	1	2	.08	.0	5.07	24.00	3.08	1418.37	13.14	1424.62	929.3
XSECTION 105	ADDHYD	2.89	1	2	.08	.0	5.07	24.00	1.81	1418.42	13.10	1583.20	547.3
XSECTION 107	REACH	2.89	1	2	.08	.0	5.07	24.00	1.80	1418.42	13.24	1564.37	540.7
XSECTION 107	RUNOFF	.06	1	2	.08	.0	5.07	24.00	3.12	---	12.51	99.47	1685.9
XSECTION 107	ADDHYD	2.95	1	2	.08	.0	5.07	24.00	1.83	1418.42	13.23	1576.58	534.1
XSECTION 85	REACH	1.23	1	2	.08	.0	5.07	24.00	6.38	1429.95	13.30	2396.17	1941.8
XSECTION 85	RUNOFF	.06	1	2	.08	.0	5.07	24.00	2.93	---	12.55	97.77	1551.9

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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 4													
XSECTION 85	ADDHYD	1.30	1	2	.08	.0	5.07	24.00	6.21	1429.95	13.29	2411.19	1859.0
XSECTION 83	REACH	1.30	1	2	.08	.0	5.07	24.00	6.20	1429.95	13.45	2393.01	1845.0
XSECTION 83	RUNOFF	.06	1	2	.08	.0	5.07	24.00	3.02	---	12.55	100.22	1590.8
XSECTION 83	ADDHYD	1.36	1	2	.08	.0	5.07	24.00	6.05	1429.95	13.44	2404.17	1767.8
XSECTION 84	RUNOFF	.06	1	2	.08	.0	5.07	24.00	2.75	---	12.55	92.83	1473.5
XSECTION 83	REACH	.06	1	2	.08	.0	5.07	24.00	2.74	1429.03	12.70	88.55	1405.5
XSECTION 83	ADDHYD	1.42	1	2	.08	.0	5.07	24.00	5.91	1429.95	13.43	2421.82	1701.9
XSECTION 109	DIVERT	.71	1	2	.08	.0	5.07	24.00	.76	1418.83	13.43	279.00	392.1
XSECTION 80	DIVERT	.71	1	2	.08	.0	5.07	24.00	11.05	1418.83	13.43	2142.82	3011.7
XSECTION 109	REACH	.71	1	2	.08	.0	5.07	24.00	.76	1418.82	13.66	266.05	373.9
XSECTION 109	RUNOFF	.06	1	2	.08	.0	5.07	24.00	3.32	---	12.46	115.40	1831.8
XSECTION 109	ADDHYD	.77	1	2	.08	.0	5.07	24.00	.97	1418.82	13.65	272.47	351.8
XSECTION 80	REACH	.71	1	2	.08	.0	5.07	24.00	11.03	1418.83	13.55	2136.61	3003.0
XSECTION 80	RUNOFF	.06	1	2	.08	.0	5.07	24.00	3.22	---	12.52	107.59	1707.8
XSECTION 80	ADDHYD	.77	1	2	.08	.0	5.07	24.00	10.40	1418.83	13.55	2145.07	2769.6
XSECTION 79	REACH	.77	1	2	.08	.0	5.07	24.00	10.39	---	13.63	2144.90	2769.4
XSECTION 79	RUNOFF	.06	1	2	.08	.0	5.07	24.00	3.72	---	12.45	124.59	1977.6
XSECTION 79	ADDHYD	.84	1	2	.08	.0	5.07	24.00	9.89	---	13.63	2151.68	2569.2
XSECTION 76	REACH	.84	1	2	.08	.0	5.07	24.00	9.87	---	13.71	2151.51	2569.0
XSECTION 76	RUNOFF	.06	1	2	.08	.0	5.07	24.00	3.52	---	12.45	120.80	1917.5
XSECTION 76	ADDHYD	.90	1	2	.08	.0	5.07	24.00	9.43	---	13.71	2157.30	2395.7
XSECTION 75	REACH	.90	1	2	.08	.0	5.07	24.00	9.42	---	13.79	2157.13	2395.5
XSECTION 75	RUNOFF	.06	1	2	.08	.0	5.07	24.00	4.46	---	12.49	129.00	2047.7
XSECTION 75	ADDHYD	.96	1	2	.08	.0	5.07	24.00	9.10	---	13.78	2165.14	2247.2
XSECTION 113	REACH	.96	1	2	.08	.0	5.07	24.00	9.08	---	13.89	2162.31	2244.2
XSECTION 112	RUNOFF	.06	1	2	.08	.0	5.07	24.00	2.66	---	12.54	89.81	1472.2
XSECTION 113	REACH	.06	1	2	.08	.0	5.07	24.00	2.65	---	12.69	83.76	1373.2
XSECTION 113	ADDHYD	1.02	1	2	.08	.0	5.07	24.00	8.70	---	13.88	2169.31	2117.4
XSECTION 113	RUNOFF	.05	1	2	.08	.0	5.07	24.00	3.51	---	12.53	94.26	1778.4
XSECTION 113	ADDHYD	1.08	1	2	.08	.0	5.07	24.00	8.44	---	13.88	2174.86	2018.4
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

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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 4													
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
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
XSECTION 97	REACH	.13	1	2	.08	.0	5.07	24.00	3.11	---	12.71	188.66	1509.3
XSECTION 97	RUNOFF	.19	1	2	.08	.0	5.07	24.00	3.61	---	12.53	338.11	1798.4
XSECTION 97	ADDHYD	.31	1	2	.08	.0	5.07	24.00	3.41	---	12.58	513.80	1641.5
XSECTION 98	REACH	.31	1	2	.08	.0	5.07	24.00	3.41	---	12.68	510.18	1630.0
XSECTION 98	ADDHYD	1.97	1	2	.08	.0	5.07	24.00	3.00	---	12.82	1816.94	924.7
XSECTION 98	RUNOFF	.09	1	2	.08	.0	5.07	24.00	3.51	---	12.48	174.96	1861.2
XSECTION 98	ADDHYD	2.06	1	2	.08	.0	5.07	24.00	3.03	---	12.78	1892.38	919.1
XSECTION 99	REACH	2.06	1	2	.08	.0	5.07	24.00	3.02	---	12.86	1889.62	917.7
XSECTION 99	RUNOFF	.09	1	2	.08	.0	5.07	24.00	3.51	---	12.52	168.97	1797.5
XSECTION 99	ADDHYD	2.15	1	2	.08	.0	5.07	24.00	3.05	---	12.82	1982.31	920.7
XSECTION 139	REACH	2.15	1	2	.08	.0	5.07	24.00	3.04	---	12.94	1964.10	912.3
XSECTION 100	RUNOFF	.08	1	2	.08	.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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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 4													
XSECTION 139	REACH	.08	1	2	.08	.0	5.07	24.00	3.51	---	12.59	142.46	1826.6
XSECTION 139	ADDHYD	2.23	1	2	.08	.0	5.07	24.00	3.06	---	12.50	2033.63	911.5
XSECTION 142	RUNOFF	.25	1	2	.08	.0	5.07	24.00	3.19	---	13.02	273.30	1093.2
XSECTION 141	REACH	.25	1	2	.08	.0	5.07	24.00	3.18	---	13.22	262.05	1048.2
XSECTION 141	RUNOFF	.19	1	2	.08	.0	5.07	24.00	3.61	---	12.53	388.11	1798.4
XSECTION 141	ADDHYD	.44	1	2	.08	.0	5.07	24.00	3.36	---	12.63	472.26	1078.2
XSECTION 140	REACH	.44	1	2	.08	.0	5.07	24.00	3.36	---	12.75	464.15	1059.7
XSECTION 140	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.51	---	12.50	227.08	1816.7
XSECTION 140	ADDHYD	.56	1	2	.08	.0	5.07	24.00	3.39	---	12.62	653.63	1161.0
XSECTION 137	RUNOFF	.08	1	2	.08	.0	5.07	24.00	2.84	---	12.54	119.63	1533.7
XSECTION 140	ADDHYD	.64	1	2	.08	.0	5.07	24.00	3.33	---	12.60	770.22	1201.6
XSECTION 139	REACH	.64	1	2	.08	.0	5.07	24.00	3.31	---	12.87	710.56	1108.5
XSECTION 139	ADDHYD	2.87	1	2	.08	.0	5.07	24.00	3.11	---	12.89	2746.12	955.1
XSECTION 136	RUNOFF	.07	1	2	.08	.0	5.07	24.00	4.48	---	12.47	130.04	2121.8
XSECTION 138	REACH	.07	1	2	.08	.0	5.07	24.00	4.46	---	12.61	138.28	2035.2
XSECTION 138	RUNOFF	.20	1	2	.08	.0	5.07	24.00	3.82	---	12.46	378.24	1866.8
XSECTION 138	ADDHYD	.27	1	2	.08	.0	5.07	24.00	3.60	---	12.46	512.14	1904.3
XSECTION 139	REACH	.27	1	2	.08	.0	5.07	24.00	3.59	---	12.67	485.94	1806.5
XSECTION 139	ADDHYD	3.14	1	2	.08	.0	5.07	24.00	3.15	---	12.82	3127.54	996.9
XSECTION 139	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.63	---	12.50	248.97	1856.2
XSECTION 139	ADDHYD	3.33	1	2	.08	.0	5.07	24.00	3.18	---	12.72	[illegible]	1001.1
XSECTION 129	RUNOFF	.11	1	2	.08	.0	5.07	24.00	3.14	---	12.45	197.16	1827.8
XSECTION 130	RUNOFF	.05	1	2	.08	.0	5.07	24.00	4.04	---	12.44	[illegible]	2174.0
XSECTION 129	ADDHYD	.14	1	2	.08	.0	5.07	24.00	3.48	---	12.44	[illegible]	1744.6
XSECTION 127	REACH	.14	1	2	.08	.0	5.07	24.00	[illegible]	---	12.71	[illegible]	[illegible]
XSECTION 128	RUNOFF	.04	1	2	.08	.0	5.07	24.00	[illegible]	---	12.45	[illegible]	[illegible]
XSECTION 127	REACH	.04	1	2	.08	.0	5.07	24.00	[illegible]	---	[illegible]	[illegible]	[illegible]
XSECTION 127	ADDHYD	.17	1	2	.08	.0	5.07	24.00	[illegible]	---	[illegible]	[illegible]	[illegible]
XSECTION 127	RUNOFF	.16	1	2	.08	.0	5.07	24.00	[illegible]	---	[illegible]	[illegible]	[illegible]
XSECTION 127	ADDHYD	.38	1	2	.08	.0	5.07	24.00	[illegible]	---	[illegible]	[illegible]	[illegible]
XSECTION 132	RUNOFF	.14	1	2	.08	.0	[illegible]	[illegible]	[illegible]	---	[illegible]	[illegible]	[illegible]
XSECTION 131	REACH	.14	1	2	.08	.0	[illegible]	[illegible]	[illegible]	---	[illegible]	[illegible]	[illegible]
XSECTION 131	ADDHYD	.46	1	2	.08	.0	[illegible]	[illegible]	[illegible]	---	[illegible]	[illegible]	[illegible]
XSECTION 131	RUNOFF	.10	1	2	.08	.0	[illegible]	[illegible]	[illegible]	---	[illegible]	[illegible]	[illegible]
XSECTION 131	ADDHYD	.56	1	2	.08	.0	[illegible]	[illegible]	[illegible]	---	[illegible]	[illegible]	[illegible]

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 126	RUNOFF	.16	1	2	.08	.0	5.07	24.00	4.47	---	12.44	336.89	2132.2
XSECTION 126	ADDHYD	.76	1	2	.08	.0	5.07	24.00	3.60	---	12.53	1354.80	1792.1
XSECTION 134	REACH	.76	1	2	.08	.0	5.07	24.00	3.60	---	12.61	1351.12	1787.2
XSECTION 135	RUNOFF	.04	1	2	.08	.0	5.07	24.00	4.48	---	12.42	89.11	2121.8
XSECTION 134	REACH	.04	1	2	.08	.0	5.07	24.00	4.45	---	12.71	83.77	1994.5
XSECTION 134	ADDHYD	.80	1	2	.08	.0	5.07	24.00	3.64	---	12.61	1432.54	1795.2
XSECTION 134	RUNOFF	.20	1	2	.08	.0	5.07	24.00	3.42	---	12.47	366.01	1857.9
XSECTION 134	ADDHYD	1.00	1	2	.08	.0	5.07	24.00	3.60	---	12.55	1763.26	1772.1
XSECTION 125	RUNOFF	.12	1	2	.08	.0	5.07	24.00	4.48	---	12.42	248.25	2121.8
XSECTION 125	ADDHYD	1.11	1	2	.08	.0	5.07	24.00	3.69	---	12.50	1981.53	1781.9
XSECTION 124	REACH	1.11	1	2	.08	.0	5.07	24.00	3.69	---	12.61	1956.45	1759.4
XSECTION 124	RUNOFF	.22	1	2	.08	.0	5.07	24.00	3.32	---	12.45	405.81	1853.0
XSECTION 124	ADDHYD	1.33	1	2	.08	.0	5.07	24.00	3.63	---	12.54	2309.52	1735.2
XSECTION 103	REACH	3.33	1	2	.08	.0	5.07	24.00	3.18	---	12.77	3332.53	1001.1
XSECTION 103	RUNOFF	.08	1	2	.08	.0	5.07	24.00	3.32	---	12.46	150.02	1852.1
XSECTION 103	ADDHYD	3.41	1	2	.08	.0	5.07	24.00	3.18	---	12.75	3379.17	991.0
XSECTION 104	REACH	3.41	1	2	.08	.0	5.07	24.00	3.18	---	12.75	3379.17	991.0
XSECTION 104	ADDHYD	4.74	1	2	.08	.0	5.07	24.00	3.31	---	12.62	5508.20	1161.8
XSECTION 104	RUNOFF	.07	1	2	.08	.0	5.07	24.00	2.74	---	12.63	93.76	1358.9
XSECTION 104	ADDHYD	4.81	1	2	.08	.0	5.07	24.00	3.30	---	12.62	5601.96	1164.6
XSECTION 107	REACH	4.81	1	2	.08	.0	5.07	24.00	3.30	1419.47	12.62	5601.96	1164.6
XSECTION 107	ADDHYD	7.76	1	2	.08	.0	5.07	24.00	2.74	1419.72	12.68	6593.51	849.5
XSECTION 123	RUNOFF	.21	1	2	.08	.0	5.07	24.00	4.47	---	12.43	450.76	2116.2
XSECTION 107	ADDHYD	7.97	1	2	.08	.0	5.07	24.00	2.79	1419.79	12.63	6858.04	859.9
XSECTION 108	REACH	7.97	1	2	.08	.0	5.07	24.00	2.79	---	12.63	6858.04	859.9
XSECTION 106	RUNOFF	.06	1	2	.08	.0	5.07	24.00	2.84	---	12.57	93.14	1478.4
XSECTION 108	REACH	.06	1	2	.08	.0	5.07	24.00	2.83	---	12.68	91.54	1453.0
XSECTION 108	RUNOFF	.03	1	2	.08	.0	5.07	24.00	2.85	---	12.47	41.47	1658.9
XSECTION 108	ADDHYD	.09	1	2	.08	.0	5.07	24.00	2.84	---	12.55	126.22	1434.3
XSECTION 108	ADDHYD	8.06	1	2	.08	.0	5.07	24.00	2.79	---	12.62	6980.01	865.7
XSECTION 109	ADDHYD	8.84	1	2	.08	.0	5.07	24.00	2.63	1422.89	12.62	7089.47	802.2
XSECTION 110	REACH	8.84	1	2	.08	.0	5.07	24.00	2.63	---	12.62	7089.47	802.2
XSECTION 122	RUNOFF	.35	1	2	.08	.0	5.07	24.00	3.42	---	12.46	662.22	1865.4
XSECTION 122	ADDHYD	9.19	1	2	.08	.0	5.07	24.00	2.66	---	12.58	7680.71	835.5
XSECTION 110	RUNOFF	.07	1	2	.08	.0	5.07	24.00	2.75	---	12.57	105.05	1439.1
XSECTION 110	ADDHYD	9.27	1	2	.08	.0	5.07	24.00	2.66	---	12.58	7785.69	840.3

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)
ALIEENAIE 1 STORM 4													
XSECTION 111	REACH	9.27	1	2	.08	.0	5.07	24.00	2.66	---	12.58	7785.69	840.3
XSECTION 111	RUNOFF	.07	1	2	.08	.0	5.07	24.00	2.66	---	12.57	97.98	1399.7
XSECTION 111	ADDHYD	9.34	1	2	.08	.0	5.07	24.00	2.66	---	12.58	7883.63	844.5
XSECTION 112	REACH	9.34	1	2	.08	.0	5.07	24.00	2.66	---	12.67	7847.85	840.6
XSECTION 121	RUNOFF	.25	1	2	.08	.0	5.07	24.00	4.48	---	12.42	530.40	2121.6
XSECTION 112	ADDHYD	9.59	1	2	.08	.0	5.07	24.00	2.70	---	12.64	8007.03	835.3
XSECTION 113	REACH	9.59	1	2	.08	.0	5.07	24.00	2.70	---	12.73	7985.25	833.1
XSECTION 113	ADDHYD	10.66	1	2	.08	.0	5.07	24.00	3.28	---	12.75	9210.65	863.8
XSECTION 120	RUNOFF	.23	1	2	.08	.0	5.07	24.00	3.62	---	12.46	445.41	1928.2
XSECTION 113	ADDHYD	10.89	1	2	.08	.0	5.07	24.00	3.29	---	12.73	9394.41	862.3
XSECTION 114	REACH	10.89	1	2	.08	.0	5.07	24.00	3.28	---	12.88	9189.02	843.5
XSECTION 49	RUNOFF	.09	1	2	.08	.0	5.07	24.00	4.48	---	12.43	182.36	2120.4
XSECTION 48	REACH	.09	1	2	.08	.0	5.07	24.00	4.46	---	12.53	180.08	2094.0
XSECTION 48	RUNOFF	.13	1	2	.08	.0	5.07	24.00	2.84	---	12.59	182.29	1458.3
XSECTION 48	ADDHYD	.21	1	2	.08	.0	5.07	24.00	3.50	---	12.56	361.09	1711.3
XSECTION 20	RUNOFF	.06	1	2	.08	.0	5.07	24.00	4.48	---	12.42	135.79	2121.8
XSECTION 48	REACH	.06	1	2	.08	.0	5.07	24.00	4.44	---	12.89	117.85	1841.4
XSECTION 48	ADDHYD	.28	1	2	.08	.0	5.07	24.00	3.72	---	12.58	460.43	1674.3
XSECTION 56	REACH	.28	1	2	.08	.0	5.07	24.00	3.71	---	12.70	452.16	1644.2
XSECTION 56	RUNOFF	.06	1	2	.08	.0	5.07	24.00	3.13	---	12.46	112.45	1784.9
XSECTION 56	ADDHYD	.34	1	2	.08	.0	5.07	24.00	3.60	---	12.57	529.06	1565.3
XSECTION 57	REACH	.34	1	2	.08	.0	5.07	24.00	3.60	---	12.67	521.42	1542.7
XSECTION 57	RUNOFF	.06	1	2	.08	.0	5.07	24.00	3.13	---	12.46	112.45	1784.9
XSECTION 57	ADDHYD	.40	1	2	.08	.0	5.07	24.00	3.53	---	12.58	601.30	1499.5
XSECTION 60	REACH	.40	1	2	.08	.0	5.07	24.00	3.52	---	12.70	587.48	1465.0
XSECTION 60	RUNOFF	.06	1	2	.08	.0	5.07	24.00	3.03	---	12.53	101.51	1611.3
XSECTION 60	ADDHYD	.46	1	2	.08	.0	5.07	24.00	3.45	---	12.66	678.02	1461.2
XSECTION 58	RUNOFF	.06	1	2	.08	.0	5.07	24.00	3.32	---	12.45	116.74	1853.0
XSECTION 60	REACH	.06	1	2	.08	.0	5.07	24.00	3.31	---	12.55	113.84	1806.9
XSECTION 60	ADDHYD	.53	1	2	.08	.0	5.07	24.00	3.44	---	12.64	786.48	1492.4
XSECTION 65	REACH	.53	1	2	.08	.0	5.07	24.00	3.43	---	12.73	782.33	1484.5
XSECTION 65	RUNOFF	.06	1	2	.08	.0	5.07	24.00	2.66	---	12.55	91.66	1455.0
XSECTION 65	ADDHYD	.59	1	2	.08	.0	5.07	24.00	3.35	---	12.71	858.78	1455.6
XSECTION 68	REACH	.59	1	2	.08	.0	5.07	24.00	3.35	---	12.80	854.05	1447.5
XSECTION 68	RUNOFF	.06	1	2	.08	.0	5.07	24.00	3.42	---	12.45	118.80	1885.7
XSECTION 68	ADDHYD	.65	1	2	.08	.0	5.07	24.00	3.35	---	12.77	881.71	1350.2

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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 4													
XSECTION 47	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.13	---	12.47	219.21	1753.7
XSECTION 46	REACH	.13	1	2	.08	.0	5.07	24.00	3.12	---	12.56	217.98	1743.8
XSECTION 46	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.13	---	12.47	220.27	1762.2
XSECTION 46	ADDHYD	.25	1	2	.08	.0	5.07	24.00	3.12	---	12.50	432.40	1729.6
XSECTION 59	REACH	.25	1	2	.08	.0	5.07	24.00	3.12	---	12.61	425.73	1702.9
XSECTION 59	RUNOFF	.06	1	2	.08	.0	5.07	24.00	3.13	---	12.46	112.45	1784.9
XSECTION 59	ADDHYD	.31	1	2	.08	.0	5.07	24.00	3.12	---	12.54	523.90	1673.8
XSECTION 21	RUNOFF	.19	1	2	.08	.0	5.07	24.00	3.21	---	12.56	304.80	1612.7
XSECTION 43	RUNOFF	.05	1	2	.08	.0	5.07	24.00	3.53	---	12.44	92.77	1973.7
XSECTION 21	ADDHYD	.24	1	2	.08	.0	5.07	24.00	3.27	---	12.48	389.02	1648.4
XSECTION 45	REACH	.24	1	2	.08	.0	5.07	24.00	3.26	---	12.75	339.89	1440.2
XSECTION 45	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.51	---	12.53	222.04	1776.3
XSECTION 45	ADDHYD	.36	1	2	.08	.0	5.07	24.00	3.34	---	12.64	535.39	1483.1
XSECTION 59	REACH	.36	1	2	.08	.0	5.07	24.00	3.34	---	12.75	529.21	1466.0
XSECTION 59	ADDHYD	.67	1	2	.08	.0	5.07	24.00	3.24	---	12.61	1008.88	1496.9
XSECTION 66	REACH	.67	1	2	.08	.0	5.07	24.00	3.23	---	12.70	1004.88	1490.9
XSECTION 66	RUNOFF	.06	1	2	.08	.0	5.07	24.00	3.22	---	12.52	107.25	1702.4
XSECTION 66	ADDHYD	.74	1	2	.08	.0	5.07	24.00	3.23	---	12.67	1095.98	1487.1
XSECTION 68	REACH	.74	1	2	.08	.0	5.07	24.00	3.23	---	12.78	1084.64	1471.7
XSECTION 68	ADDHYD	1.39	1	2	.08	.0	5.07	24.00	3.29	---	12.77	1966.25	1414.6
XSECTION 70	REACH	1.39	1	2	.08	.0	5.07	24.00	3.28	---	12.86	1961.17	1410.9
XSECTION 70	RUNOFF	.06	1	2	.08	.0	5.07	24.00	3.52	---	12.45	120.80	1917.5
XSECTION 70	ADDHYD	1.45	1	2	.08	.0	5.07	24.00	3.29	---	12.85	1980.61	1363.1
XSECTION 74	REACH	1.45	1	2	.08	.0	5.07	24.00	3.29	---	12.94	1978.24	1361.5
XSECTION 74	RUNOFF	.06	1	2	.08	.0	5.07	24.00	3.93	---	12.45	128.61	2041.5
XSECTION 74	ADDHYD	1.52	1	2	.08	.0	5.07	24.00	3.32	---	12.93	1993.22	1314.8
XSECTION 23	RUNOFF	.09	1	2	.08	.0	5.07	24.00	4.48	---	12.44	195.58	2149.3
XSECTION 40	REACH	.09	1	2	.08	.0	5.07	24.00	4.45	---	12.72	184.67	2029.3
XSECTION 38	RUNOFF	.13	1	2	.08	.0	5.07	24.00	2.84	---	12.53	196.03	1568.2
XSECTION 40	REACH	.13	1	2	.08	.0	5.07	24.00	2.83	---	12.75	182.81	1462.5
XSECTION 40	ADDHYD	.22	1	2	.08	.0	5.07	24.00	3.51	---	12.74	367.15	1699.8
XSECTION 40	RUNOFF	.09	1	2	.08	.0	5.07	24.00	3.12	---	12.54	153.02	1627.9
XSECTION 40	ADDHYD	.31	1	2	.08	.0	5.07	24.00	3.39	---	12.65	502.15	1619.9
XSECTION 82	REACH	.31	1	2	.08	.0	5.07	24.00	3.39	---	12.76	497.62	1605.2
XSECTION 82	RUNOFF	.06	1	2	.08	.0	5.07	24.00	3.32	---	12.46	116.03	1841.7
XSECTION 82	ADDHYD	.37	1	2	.08	.0	5.07	24.00	3.38	---	12.59	566.28	1518.0

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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 4													
XSECTION 39	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.41	---	12.54	215.79	1726.3
XSECTION 82	REACH	.13	1	2	.08	.0	5.07	24.00	3.40	---	12.68	206.95	1655.6
XSECTION 82	ADDHYD	.50	1	2	.08	.0	5.07	24.00	3.38	---	12.61	766.63	1539.4
XSECTION 81	REACH	.50	1	2	.08	.0	5.07	24.00	3.38	---	12.72	762.35	1530.8
XSECTION 81	RUNOFF	.06	1	2	.08	.0	5.07	24.00	2.66	---	12.56	90.34	1434.0
XSECTION 81	ADDHYD	.56	1	2	.08	.0	5.07	24.00	3.30	---	12.68	842.72	1502.2
XSECTION 78	REACH	.56	1	2	.08	.0	5.07	24.00	3.30	---	12.79	836.68	1491.4
XSECTION 78	RUNOFF	.06	1	2	.08	.0	5.07	24.00	3.52	---	12.45	120.15	1907.1
XSECTION 78	ADDHYD	.62	1	2	.08	.0	5.07	24.00	3.32	---	12.72	874.14	1400.9
XSECTION 22	RUNOFF	.15	1	2	.08	.0	5.07	24.00	3.22	---	12.52	259.70	1697.4
XSECTION 41	REACH	.15	1	2	.08	.0	5.07	24.00	3.21	---	12.73	249.51	1630.8
XSECTION 41	RUNOFF	.17	1	2	.08	.0	5.07	24.00	3.32	---	12.49	306.26	1780.6
XSECTION 41	ADDHYD	.32	1	2	.08	.0	5.07	24.00	3.26	---	12.54	531.63	1635.8
XSECTION 42	RUNOFF	.08	1	2	.08	.0	5.07	24.00	3.23	---	12.45	143.38	1838.2
XSECTION 42	ADDHYD	.40	1	2	.08	.0	5.07	24.00	3.26	---	12.51	664.38	1648.6
XSECTION 78	REACH	.40	1	2	.08	.0	5.07	24.00	3.25	---	12.61	655.37	1626.2
XSECTION 78	ADDHYD	1.03	1	2	.08	.0	5.07	24.00	3.29	---	12.64	1516.12	1476.3
XSECTION 77	REACH	1.03	1	2	.08	.0	5.07	24.00	3.29	---	12.73	1512.41	1472.6
XSECTION 77	RUNOFF	.06	1	2	.08	.0	5.07	24.00	2.66	---	12.52	95.75	1519.9
XSECTION 77	ADDHYD	1.09	1	2	.08	.0	5.07	24.00	3.25	---	12.71	1576.79	1446.6
XSECTION 69	REACH	1.09	1	2	.08	.0	5.07	24.00	3.25	---	12.80	1571.25	1441.5
XSECTION 69	RUNOFF	.06	1	2	.08	.0	5.07	24.00	3.02	---	12.59	95.66	1518.4
XSECTION 69	ADDHYD	1.15	1	2	.08	.0	5.07	24.00	3.24	---	12.79	1650.14	1431.2
XSECTION 44	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.22	---	12.47	224.43	1795.5
XSECTION 67	REACH	.13	1	2	.08	.0	5.07	24.00	3.22	---	12.57	220.72	1765.8
XSECTION 67	RUNOFF	.06	1	2	.08	.0	5.07	24.00	3.72	---	12.45	124.59	1977.6
XSECTION 67	ADDHYD	.19	1	2	.08	.0	5.07	24.00	3.39	---	12.49	338.17	1798.8
XSECTION 69	REACH	.19	1	2	.08	.0	5.07	24.00	3.38	---	12.60	335.53	1784.8
XSECTION 69	ADDHYD	1.34	1	2	.08	.0	5.07	24.00	3.26	---	12.74	1936.72	1444.2
XSECTION 74	REACH	1.34	1	2	.08	.0	5.07	24.00	3.25	---	12.84	1918.97	1431.0
XSECTION 74	ADDHYD	2.86	1	2	.08	.0	5.07	24.00	3.29	---	12.87	3886.04	1360.2
XSECTION 114	REACH	2.86	1	2	.08	.0	5.07	24.00	3.28	---	13.02	3781.33	1323.5
XSECTION 114	RUNOFF	.13	1	2	.08	.0	5.07	24.00	2.64	---	12.92	128.24	1001.9
XSECTION 114	ADDHYD	2.98	1	2	.08	.0	5.07	24.00	3.25	---	13.02	3906.55	1308.7
XSECTION 71	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.41	---	12.52	220.19	1761.5
XSECTION 114	REACH	.13	1	2	.08	.0	5.07	24.00	3.39	---	12.80	195.73	1565.9

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 4													
XSECTION 114	ADDHYD	3.11	1	2	.08	.0	5.07	24.00	3.26	---	13.01	4071.51	1309.2
XSECTION 64	RUNOFF	.25	1	2	.08	.0	5.07	24.00	3.12	---	12.48	434.45	1737.8
XSECTION 72	REACH	.25	1	2	.08	.0	5.07	24.00	3.12	---	12.62	411.91	1647.6
XSECTION 72	RUNOFF	.13	1	2	.08	.0	5.07	24.00	3.21	---	12.53	210.93	1687.5
XSECTION 72	ADDHYD	.38	1	2	.08	.0	5.07	24.00	3.15	---	12.58	615.73	1641.9
XSECTION 114	REACH	.38	1	2	.08	.0	5.07	24.00	3.14	---	12.73	585.03	1560.1
XSECTION 114	ADDHYD	3.48	1	2	.08	.0	5.07	24.00	3.25	---	12.96	4516.75	1296.1
XSECTION 115	RUNOFF	.09	1	2	.08	.0	5.07	24.00	3.12	---	12.52	157.72	1677.9
XSECTION 114	ADDHYD	3.58	1	2	.08	.0	5.07	24.00	3.24	---	12.94	4566.37	1275.9
XSECTION 114	ADDHYD	14.47	1	2	.08	.0	5.07	24.00	3.27	---	12.90	13730.94	948.7
XSECTION 119	RUNOFF	.23	1	2	.08	.0	5.07	24.00	3.01	---	12.82	280.72	1215.2
XSECTION 119	ADDHYD	14.70	1	2	.08	.0	5.07	24.00	3.27	---	12.90	14007.37	952.6
XSECTION 118	REACH	14.70	1	2	.08	.0	5.07	24.00	3.26	---	13.04	13826.44	940.3
XSECTION 118	RUNOFF	.23	1	2	.08	.0	5.07	24.00	2.99	---	13.15	217.44	941.3
XSECTION 118	ADDHYD	14.93	1	2	.08	.0	5.07	24.00	3.26	---	13.04	14039.95	940.1

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												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 #	Q AND A EQUATION 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																
3	1000	149	12.5	145	12.6	---	---	0	1.98	.08	1	.040	1.66	.074	.971	572	.40	.08	.16
3	1400	99	12.5	93	12.7	---	---	0	1.99	.08	1	.040	1.66	.171	.939	945	.26	.08	.27
6	1600	256	12.6	251	12.8	---	---	0	1.78	.08	1	1.73	1.17	.063	.982	379	.55	.16	.11
8	1600	299	12.8	284	13.0	---	---	0	1.55	.08	1	.594	1.26	.094	.952	589	.39	.16	.16
8	1400	45	12.7	43	12.8	---	---	0	.75	.08	1	.491	1.56	.038	.969	361	.57	.08	.10
4	1800	22	12.5	18	13.0	209	12.5	0	1.99	.08	1	.050	1.66	.553	.783	1915	.14	.16	.56
5	1400	209	12.5	201	12.6	---	---	0	1.98	.08	1	.050	1.66	.076	.966	613	.38	.08	.17
8	2100	254	12.6	235	12.9	---	---	0	1.53	.08	2	.486	1.31	.125	.924	746	.32	.16	.21
8	1900	74	12.7	55	13.1	---	---	0	.80	.08	1	.040	1.66	.334	.746	1440	.18	.24	.42
14	3000	650	12.9	565	13.2	---	---	0	1.26	.08	1	.835	1.19	.175	.869	1029	.25	.24	.29
14	2600	64	12.8	61	13.0	620	13.2	0	.75	.08	1	.713	1.50	.058	.941	537	.42	.24	.15
15	1100	80	12.6	80	12.6	111	12.7	0	1.26	.08	1	.540	1.66	.011	.997	168	.92?	.08	.05
27	3000	681	13.1	610	13.4	---	---	0	1.17	.08	1	1.34	1.09	.165	.896	1221	.21	.32	.34
25	2200	60	12.5	50	13.0	93	12.6	0	1.99	.08	1	.050	1.66	.402	.838	1581	.17	.08	.45
27	1700	93	12.6	90	12.7	---	---	0	1.43	.08	1	.718	1.43	.039	.969	383	.55	.16	.11
37	3000	704	13.4	697	13.4	703	13.4	0	1.16	.08	1	.519	1.48	.019	.990	378	.55	.08	.11
37	2100	110	12.6	106	12.6	---	---	0	.96	.08	1	.410	1.66	.038	.962	334	.60	.08	.09
143	1400	716	13.5	714	13.6	---	---	0	1.11	.08	1	.090	1.66	.007	.998	264	.71?	.08	.07
86	1250	0	.0	0	.0	48	12.5	0	.00	.08	0	.000	.00	.000	.000	0	.00	.00	.00
87	1320	48	12.5	39	12.8	71	12.6	0	.06	.08	1	.118	1.45	.316	.818	1198	.21	.16	.34
105	2000	71	12.6	57	13.0	---	---	0	.11	.08	1	.285	1.34	.262	.800	1306	.20	.32	.37
11	2700	40	12.6	36	12.8	117	12.8	0	.75	.08	1	.440	1.66	.097	.905	617	.38	.16	.17
28	3300	117	12.8	71	13.5	---	---	0	.75	.08	1	.030	1.66	.749	.610	2476	.11	.40	.75
28	2800	66	12.6	39	13.4	110	13.5	0	1.01	.08	1	.030	1.66	.979	.587	2632	.10	.32	.81
36	3500	135	13.4	115	13.8	121	13.8	0	.81	.08	1	.060	1.66	.148	.856	1635	.16	.48	.47
90	2600	121	13.8	117	14.0	---	---	0	.85	.08	1	.220	1.54	.032	.969	840	.29	.24	.23
35	1320	69	12.6	66	12.8	133	12.6	0	1.13	.08	1	.310	1.54	.045	.969	416	.51	.16	.12
91	2640	133	12.6	117	12.9	185	12.6	0	1.10	.08	1	.220	1.54	.130	.876	825	.30	.24	.23
90	1320	185	12.6	179	12.8	239	12.7	0	1.15	.08	1	.220	1.54	.031	.972	368	.56	.16	.10
88	1320	321	12.8	317	12.9	367	12 9	0	.97	.08	1	.220	1.54	.011	.987	303	.64	.08	.08
88	2000	31	12.6	26	12.9	---	---	0	1.13	.08	1	.220	1.54	.248	.837	1038	.24	.16	.30
101	1050	393	12.9	392	13.0	406	13.0	0	1.00	.08	1	.220	1.54	.008	.995	224	.78?	.08	.06

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													
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 #	Q AND A EQUATION 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																
102	1320	406	13.0	374	13.2	385	13.2	0	1.01	.08	1	.020	1.66	.046	.921	770	.31	.16	.22
105	1320	385	13.2	370	13.4	375	13.4	0	1.01	.08	1	.288	1.33	.037	.963	567	.41	.24	.16
107	1400	420	13.4	407	13.5	410	13.5	0	.58	.08	1	.282	1.34	.037	.968	584	.40	.16	.16
85	2000	714	13.6	699	13.8	701	13.8	0	2.22	.08	1	.142	1.46	.038	.978	649	.36	.24	.18
83	2000	701	13.8	688	14.0	690	14.0	0	2.15	.08	1	.143	1.46	.036	.981	654	.36	.24	.18
83	1320	29	12.6	25	12.8	---	---	0	.80	.08	1	.200	1.54	.144	.877	752	.32	.24	.21
109	2000	1	14.0	0	15.0	44	12.5	0	.00	.08	1	.379	1.35	4.691	.202	5836	.05?	.32	1.07
80	1320	692	14.0	688	14.2	690	14.2	0	4.06	.08	1	.552	1.30	.019	.994	349	.58	.16	.10
79	1320	690	14.2	690	14.2	692	14.2	0	3.81	.08	1	.230	1.54	.006	.999	225	.78?	.08	.06
76	1320	692	14.2	691	14.3	693	14.3	0	3.62	.08	1	.230	1.54	.005	.999	225	.78?	.08	.06
75	1320	693	14.3	692	14.4	695	14.4	0	3.45	.08	1	.230	1.54	.005	.998	225	.78?	.08	.06
113	1800	695	14.4	692	14.6	---	---	0	3.35	.08	1	.080	1.66	.009	.995	368	.56	.16	.10
113	1320	27	12.6	22	12.9	693	14.6	0	.75	.08	1	.080	1.66	.234	.809	976	.26	.24	.28
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
97	2100	71	12.6	58	12.9	177	12.6	0	1.01	.08	1	.080	1.66	.242	.823	1065	.24	.24	.31
98	1000	177	12.6	172	12.7	---	---	0	1.20	.08	1	.080	1.66	.029	.973	352	.58	.08	.10
99	1250	516	12.9	511	13.0	536	13.0	0	.96	.08	1	.080	1.66	.008	.991	288	.67?	.08	.08
139	1600	536	13.0	524	13.1	---	---	0	.98	.08	1	.050	1.66	.018	.978	482	.46	.16	.13
139	600	56	12.6	55	12.7	549	13.0	0	1.26	.08	1	.050	1.66	.059	.968	442	.49	.08	.12
141	2100	90	13.0	82	13.4	162	12.6	0	1.06	.08	1	.080	1.66	.091	.910	968	.26	.32	.27
140	1320	162	12.6	155	12.8	227	12.6	0	1.17	.08	1	.080	1.66	.025	.953	481	.46	.16	.13
139	2800	265	12.6	221	13.0	---	---	0	1.15	.08	1	.050	1.66	.126	.833	1115	.23	.24	.32
138	3000	67	12.5	63	12.7	203	12.5	0	1.99	.08	1	.170	1.66	.184	.936	987	.25	.08	.28

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)

XSEC ID	REACH LENGTH (FT)	HYDROGRAPH INFORMATION: INFLOW PEAK (CFS)	INFLOW TIME (HR)	OUTFLOW PEAK (CFS)	OUTFLOW TIME (HR)	OUTFLOW+INTERV.AREA PEAK (CFS)	OUTFLOW+INTERV.AREA TIME (HR)	BASE-FLOW (CFS)	ROUTING PARAMETERS: VOLUME ABOVE BASE (IN)	MAIN TIME INCR (HR)	ITER-ATION #	Q AND A EQUATION COEFF (X)	Q AND A EQUATION POWER (M)	LENGTH FACTOR (K*)	PEAK RATIO O/I (Q*)	S/Q @PEAK (K) (SEC)	ATT-KIN COEFF (C)	PEAK TRAVEL STOR-AGE (HR)	PEAK TRAVEL TIME KINE-MATIC (HR)
ALTERNATE	1	STORM	1																
139	2000	203	12.5	176	12.7	---	---	0	1.34	.08	1	.050	1.66	.180	.868	886	.28	.16	.25
127	2500	102	12.5	84	12.8	---	---	0	1.15	.08	1	.080	1.66	.315	.818	1095	.23	.08	.32
127	2300	23	12.5	15	13.0	96	12.9	0	.91	.08	1	.080	1.66	.851	.645	1838	.15	.16	.55
131	2000	119	12.5	113	12.6	---	---	0	1.40	.08	1	.170	1.66	.081	.947	524	.43	.08	.15
126	1500	361	12.5	354	12.6	493	12.6	0	1.18	.08	1	.110	1.66	.030	.980	328	.61	.16	.09
134	1500	493	12.6	485	12.6	---	---	0	1.34	.08	1	.130	1.66	.019	.983	263	.71?	.08	.07
134	3200	43	12.5	37	12.9	516	12.6	0	1.99	.08	1	.130	1.66	.361	.855	1480	.18	.08	.42
124	2500	726	12.6	694	12.7	766	12.6	0	1.41	.08	1	.090	1.66	.045	.955	468	.47	.08	.13
103	1400	958	12.8	958	12.8	972	12.8	0	1.06	.08	0	.960	1.51	.002	1.000	94	1.00?	.00	.00
104	1320	972	12.8	972	12.8	---	---	0	1.06	.08	0	.960	1.51	.002	1.000	88	1.00?	.00	.00
107	1000	1734	12.7	1734	12.7	---	---	0	1.14	.08	0	.850	1.53	.001	1.000	55	1.00?	.00	.00
108	1700	1995	12.6	1995	12.6	---	---	0	.96	.08	0	.850	1.53	.002	1.000	89	1.00?	.00	.00
108	700	29	12.6	27	12.8	34	12.6	0	.85	.08	1	.080	1.66	.068	.932	503	.45	.08	.14
110	1320	2062	12.6	2062	12.6	---	---	0	.88	.08	0	.850	1.53	.001	1.000	68	1.00?	.00	.00
111	1320	2317	12.6	2317	12.6	2346	12.6	0	.89	.08	0	1.07	1.53	.001	1.000	56	1.00?	.00	.00
112	1320	2346	12.6	2298	12.7	2353	12.6	0	.89	.08	1	.040	1.63	.010	.979	291	.66	.16	.08
113	1320	2353	12.6	2329	12.8	---	---	0	.92	.08	1	.040	1.63	.009	.990	290	.66	.16	.08
114	3000	2662	12.7	2535	13.0	---	---	0	1.14	.08	1	.040	1.63	.021	.952	629	.37	.24	.18
48	1320	87	12.5	82	12.7	138	12.6	0	1.99	.08	1	.040	1.66	.168	.940	935	.27	.08	.26
48	2640	65	12.5	49	13.1	---	---	0	1.99	.08	1	.040	1.66	.645	.758	2101	.13	.16	.62
56	1866	175	12.7	167	12.9	174	12.8	0	1.46	.08	1	.120	1.66	.048	.953	517	.44	.16	.15
57	1320	174	12.8	172	13.0	183	12.6	0	1.37	.08	1	.200	1.54	.028	.991	399	.53	.16	.11
60	1867	183	12.6	177	13.0	196	12.8	0	1.32	.08	1	.120	1.66	.032	.969	509	.44	.40	.14
60	1320	45	12.5	42	12.6	---	---	0	1.13	.08	1	.250	1.54	.105	.929	556	.41	.16	.16
65	1320	233	12.7	228	12.8	248	12.8	0	1.25	.08	1	.280	1.54	.016	.980	290	.66	.08	.08
68	1320	248	12.8	242	12.9	249	12.9	0	1.19	.08	1	.250	1.54	.017	.977	305	.64	.08	.09
46	1320	79	12.5	78	12.6	155	12.6	0	1.01	.08	1	.510	1.54	.037	.982	287	.67?	.16	.08
59	1867	155	12.6	142	12.7	161	12.6	0	1.01	.08	1	.110	1.66	.100	.920	573	.40	.08	.16
45	2700	138	12.5	104	12.9	174	12.6	0	1.11	.08	1	.050	1.66	.345	.751	1393	.19	.32	.41
59	1400	174	12.6	168	12.8	---	---	0	1.15	.08	1	.110	1.66	.031	.968	410	.52	.16	.11
66	1320	321	12.7	316	12.9	338	12.8	0	1.09	.08	1	.110	1.66	.020	.987	303	.64	.16	.08
68	1877	338	12.8	331	13.0	---	---	0	1.08	.08	1	.250	1.54	.033	.978	389	.54	.16	.11

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																			
70	1320	578	13.0	573	13.0	578	13.0	0	1.13	.08	1	.180	1.54	.016	.992	281	.68?	.08	.08
74	1320	578	13.0	572	13.1	577	13.1	0	1.14	.08	1	.090	1.66	.011	.989	271	.69?	.08	.08
40	2650	92	12.5	82	12.8	---	---	0	1.99	.08	1	.080	1.66	.258	.887	1209	.21	.16	.34
40	1800	64	12.6	52	12.8	134	12.8	0	.85	.08	1	.080	1.66	.226	.819	951	.26	.16	.27
82	1400	178	12.7	172	12.9	184	12.6	0	1.23	.08	1	.100	1.66	.040	.966	430	.50	.16	.12
82	1867	81	12.6	72	12.8	---	---	0	1.19	.08	1	.100	1.66	.139	.889	785	.31	.16	.22
81	1320	254	12.8	251	13.0	267	12.9	0	1.20	.08	1	.220	1.54	.026	.988	329	.61	.16	.09
78	1320	267	12.9	263	13.0	269	13.0	0	1.15	.08	1	.090	1.66	.025	.986	368	.56	.16	.10
41	3100	93	12.6	84	12.8	182	12.6	0	1.07	.08	1	.240	1.66	.133	.895	726	.33	.16	.21
78	1600	230	12.6	216	12.7	---	---	0	1.09	.08	1	.090	1.66	.056	.939	473	.47	.08	.13
77	1320	471	12.8	466	12.9	476	12.9	0	1.13	.08	1	.230	1.54	.016	.989	257	.72?	.08	.07
69	1320	476	12.9	469	13.0	488	13.0	0	1.11	.08	1	.200	1.54	.018	.986	281	.68?	.16	.08
67	1320	83	12.5	80	12.6	126	12.6	0	1.07	.08	1	.250	1.54	.074	.958	447	.49	.16	.13
69	1320	126	12.6	121	12.7	---	---	0	1.18	.08	1	.200	1.54	.064	.958	447	.49	.08	.13
74	1867	582	12.9	568	13.0	---	---	0	1.11	.08	1	.090	1.66	.024	.977	382	.55	.16	.11
114	3300	1137	13.1	1068	13.4	1096	13.3	0	1.13	.08	1	.050	1.66	.061	.939	737	.33	.24	.21
114	2200	83	12.6	64	13.0	---	---	0	1.19	.08	1	.050	1.66	.374	.770	1390	.19	.24	.41
72	2650	156	12.5	133	12.7	198	12.6	0	1.01	.08	1	.180	1.54	.211	.855	892	.28	.16	.25
114	2000	198	12.6	172	12.9	---	---	0	1.03	.08	1	.050	1.66	.157	.871	895	.28	.24	.26
118	4000	3818	13.1	3734	13.3	3801	13.3	0	1.12	.08	1	.050	1.66	.019	.978	552	.41	.16	.15
ALTERNATE 1 STORM 2																			
3	1000	217	12.5	214	12.6	---	---	0	3.00	.08	1	.040	1.66	.054	.985	493	.45	.08	.14
3	1400	143	12.5	138	12.7	---	---	0	3.00	.08	1	.040	1.66	.125	.967	816	.30	.08	.23
6	1600	386	12.6	383	12.7	---	---	0	2.74	.08	1	1.59	1.20	.052	.992	342	.59	.08	.10
8	1600	471	12.7	454	12.9	---	---	0	2.47	.08	1	.644	1.24	.088	.963	554	.41	.16	.15
8	1400	86	12.6	85	12.8	---	---	0	1.47	.08	1	.530	1.53	.029	.983	296	.65	.16	.08
4	1800	32	12.5	27	13.0	305	12.5	0	3.00	.08	1	.050	1.66	.403	.843	1654	.16	.08	.47
5	1400	305	12.5	298	12.6	---	---	0	3.00	.08	1	.050	1.66	.056	.979	528	.43	.08	.15
8	2100	397	12.6	371	12.9	---	---	0	2.43	.08	1	.627	1.25	.127	.933	745	.32	.16	.21
8	1900	139	12.6	115	13.0	---	---	0	1.53	.08	1	.040	1.66	.213	.829	1118	.23	.32	.32
14	3000	1104	12.9	987	13.1	---	---	0	2.10	.08	1	.787	1.20	.157	.894	926	.27	.16	.26
14	2600	127	12.8	122	13.0	1100	13.1	0	1.46	.08	1	.776	1.47	.046	.963	447	.49	.16	.12

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							
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)	TRAVEL STOR-AGE (HR)	TIME KINE-MATIC (HR)
ALTERNATE		1	STORM	2															
15	1100	132	12.6	132	12.6	185	12.6	0	2.14	.08	0	.540	1.66	.007	1.000	138	1.00?	.00	.00
27	3000	1204	13.0	1139	13.3	---	---	0	1.99	.08	1	.471	1.29	.096	.946	844	.29	.24	.24
25	2200	87	12.5	77	12.9	159	12.6	0	3.00	.08	1	.050	1.66	.294	.890	1366	.19	.08	.39
27	1700	159	12.6	155	12.7	---	---	0	2.33	.08	1	.776	1.40	.036	.973	337	.60	.16	.09
37	3000	1319	13.2	1310	13.4	1320	13.4	0	1.98	.08	1	.500	1.48	.016	.993	312	.63	.16	.09
37	2100	194	12.6	191	12.6	---	---	0	1.75	.08	1	.410	1.66	.024	.986	267	.70?	.08	.07
143	1400	1349	13.4	1348	13.4	---	---	0	1.94	.08	1	.090	1.66	.005	.999	205	.83?	.08	.06
86	1250	0	.0	0	.0	77	12.5	0	.00	.08	0	.000	.00	.000	.000	0	.00	.00	.00
87	1320	77	12.5	68	12.8	125	12.6	0	.10	.08	1	.118	1.45	.235	.876	1034	.24	.16	.29
105	2000	125	12.6	105	13.0	---	---	0	.19	.08	1	.286	1.34	.219	.845	1137	.22	.24	.32
11	2700	75	12.6	72	12.7	230	12.7	0	1.47	.08	1	.440	1.66	.060	.952	478	.46	.16	.13
28	3300	230	12.7	162	13.3	---	---	0	1.46	.08	1	.030	1.66	.483	.703	1891	.14	.40	.56
28	2800	116	12.6	79	13.2	240	13.2	0	1.82	.08	1	.030	1.66	.644	.678	2105	.13	.40	.63
36	3500	315	13.1	278	13.4	292	13.4	0	1.56	.08	1	.060	1.66	.118	.882	1166	.22	.32	.33
90	2600	292	13.4	285	13.6	---	---	0	1.61	.08	1	.220	1.54	.029	.978	617	.38	.24	.17
35	1320	118	12.6	116	12.8	233	12.6	0	1.98	.08	1	.310	1.54	.033	.978	344	.59	.16	.10
91	2640	233	12.6	215	12.8	333	12.6	0	1.94	.08	1	.220	1.54	.095	.921	677	.35	.16	.19
90	1320	333	12.6	326	12.7	430	12.7	0	2.00	.08	1	.220	1.54	.024	.977	299	.65	.08	.08
88	1320	626	12.8	623	12.9	704	12.9	0	1.77	.08	1	.220	1.54	.009	.995	240	.75?	.08	.07
88	2000	52	12.5	46	12.7	---	---	0	1.98	.08	1	.220	1.54	.175	.889	867	.28	.24	.25
101	1050	747	12.8	744	12.9	774	12.9	0	1.80	.08	1	.220	1.54	.006	.996	179	.89?	.08	.05
102	1320	774	12.9	734	13.0	761	13.0	0	1.82	.08	1	.020	1.66	.033	.949	596	.39	.16	.17
105	1320	761	13.0	744	13.2	759	13.2	0	1.82	.08	1	.226	1.38	.028	.977	445	.49	.16	.12
107	1400	851	13.2	834	13.4	840	13.4	0	1.04	.08	1	.212	1.40	.028	.980	450	.48	.16	.13
85	2000	1348	13.4	1332	13.6	1338	13.6	0	3.87	.08	1	.119	1.49	.029	.988	510	.44	.16	.14
83	2000	1338	13.6	1322	13.8	1327	13.8	0	3.75	.08	1	.120	1.49	.028	.989	512	.44	.16	.14
83	1320	54	12.6	50	12.7	---	---	0	1.54	.08	1	.200	1.54	.098	.923	603	.39	.16	.17
109	2000	62	13.8	54	14.1	73	12.5	0	.14	.08	1	.387	1.34	.273	.879	1066	.24	.24	.30
80	1320	1271	13.8	1266	13.8	1270	13.8	0	6.97	.08	1	.768	1.23	.023	.996	340	.59	.08	.09
79	1320	1270	13.8	1269	13.9	1272	13.9	0	6.55	.08	1	.230	1.54	.005	.999	182	.88?	.08	.05
76	1320	1272	13.9	1271	14.1	1274	14.1	0	6.22	.08	1	.230	1.54	.004	.999	182	.88?	.16	.05
75	1320	1274	14.1	1274	14.2	1278	14.2	0	5.93	.08	1	.230	1.54	.004	1.000	181	.89?	.08	.05

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																
113	1800	1278	14.2	1276	14.2	---	---	0	5.73	.08	1	.080	1.66	.006	.998	289	.67	.08	.08
113	1320	52	12.6	46	12.8	1279	14.2	0	1.47	.08	1	.080	1.66	.145	.886	759	.32	.16	.22
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
97	2100	124	12.6	109	12.8	305	12.6	0	1.83	.08	1	.080	1.66	.159	.883	854	.29	.16	.24
98	1000	305	12.6	302	12.7	---	---	0	2.07	.08	1	.080	1.66	.020	.990	284	.67?	.08	.08
99	1250	1019	12.8	1017	13.0	1064	12.9	0	1.76	.08	1	.080	1.66	.006	.998	220	.79?	.16	.06
139	1600	1064	12.9	1050	13.0	---	---	0	1.77	.08	1	.050	1.66	.013	.987	367	.56	.16	.10
139	600	92	12.5	90	12.6	1084	13.0	0	2.15	.08	1	.050	1.66	.040	.980	364	.57	.16	.10
141	2100	162	13.0	152	13.3	283	12.6	0	1.89	.08	1	.080	1.66	.062	.939	766	.32	.24	.22
140	1320	283	12.6	275	12.8	395	12.6	0	2.03	.08	1	.080	1.66	.018	.968	386	.54	.16	.11
139	2800	463	12.6	410	12.9	---	---	0	2.00	.08	1	.050	1.66	.088	.886	893	.28	.16	.25
138	3000	97	12.5	94	12.7	327	12.5	0	3.00	.08	1	.170	1.66	.134	.965	852	.29	.08	.24
139	2000	327	12.5	299	12.7	---	---	0	2.23	.08	1	.050	1.66	.125	.915	732	.33	.16	.21
127	2500	166	12.5	148	12.7	---	---	0	2.01	.08	1	.080	1.66	.204	.893	903	.27	.08	.26
127	2300	39	12.5	29	12.9	175	12.7	0	1.69	.08	1	.080	1.66	.521	.751	1482	.18	.16	.44
131	2000	187	12.5	182	12.6	---	---	0	2.32	.08	1	.170	1.66	.055	.974	438	.49	.08	.12
126	1500	639	12.5	627	12.6	841	12.6	0	2.04	.08	1	.110	1.66	.021	.981	262	.71?	.16	.07
134	1500	841	12.6	836	12.6	---	---	0	2.24	.08	1	.130	1.66	.014	.994	212	.81?	.08	.06
134	3200	62	12.5	56	12.9	886	12.6	0	3.00	.08	1	.130	1.66	.263	.904	1279	.20	.08	.36
124	2500	1224	12.5	1199	12.6	1406	12.6	0	2.31	.08	1	.090	1.66	.034	.979	380	.55	.16	.11
103	1400	1838	12.8	1838	12.8	1860	12.8	0	1.88	.08	0	.960	1.51	.002	1.000	75	1.00?	.00	.00
104	1320	1860	12.8	1860	12.8	---	---	0	1.89	.08	0	.960	1.51	.001	1.000	71	1.00?	.00	.00
107	1000	3209	12.6	3209	12.6	---	---	0	1.98	.08	0	.850	1.53	.001	1.000	44	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	
XSEC ID	REACH LENGTH (FT)	INFLOW PEAK (CFS)	INFLOW TIME (HR)	OUTFLOW PEAK (CFS)	OUTFLOW TIME (HR)	OUTFLOW+ INTERV.AREA PEAK (CFS)	OUTFLOW+ INTERV.AREA TIME (HR)	BASE-FLOW (CFS)	VOLUME ABOVE BASE (IN)	MAIN TIME INCR (HR)	ITER-ATION #	Q AND A EQUATION COEFF (X)	Q AND A EQUATION POWER (M)	LENGTH FACTOR (K*)	PEAK RATIO O/I (Q*)	S/Q @PEAK (K) (SEC)	ATT-KIN COEFF (C)	TRAVEL STOR-AGE (HR)	TIME KINE-MATIC (HR)
ALTERNATE		1	STORM	2															
108	1700	3845	12.6	3845	12.6	---	---	0	1.67	.08	0	.850	1.53	.001	1.000	71	1.00?	.00	.00
108	700	54	12.6	53	12.7	72	12.6	0	1.61	.08	1	.080	1.66	.043	.970	395	.53	.16	.11
110	1320	3968	12.6	3968	12.6	---	---	0	1.55	.08	0	.850	1.53	.001	1.000	54	1.00?	.00	.00
111	1320	4405	12.6	4405	12.6	4461	12.6	0	1.57	.08	0	1.07	1.53	.001	1.000	45	1.00?	.00	.00
112	1320	4461	12.6	4392	12.7	4518	12.6	0	1.56	.08	1	.040	1.63	.007	.984	227	.78?	.16	.06
113	1320	4518	12.6	4476	12.7	---	---	0	1.60	.08	1	.040	1.63	.007	.991	226	.78?	.08	.06
114	3000	5201	12.7	5020	12.9	---	---	0	1.98	.08	1	.040	1.63	.017	.965	486	.46	.16	.14
48	1320	126	12.5	122	12.7	227	12.6	0	3.00	.08	1	.040	1.66	.123	.968	807	.30	.08	.23
48	2640	94	12.5	77	13.0	---	---	0	3.00	.08	1	.040	1.66	.471	.817	1815	.15	.08	.52
56	1866	284	12.7	277	12.8	300	12.6	0	2.35	.08	1	.120	1.66	.035	.975	427	.50	.08	.12
57	1320	300	12.6	295	12.8	331	12.6	0	2.25	.08	1	.200	1.54	.023	.981	330	.61	.24	.09
60	1867	331	12.6	319	12.8	368	12.7	0	2.18	.08	1	.120	1.66	.025	.963	402	.53	.16	.11
60	1320	74	12.5	71	12.6	---	---	0	1.99	.08	1	.250	1.54	.073	.959	467	.47	.08	.13
65	1320	438	12.7	434	12.8	470	12.8	0	2.10	.08	1	.280	1.54	.013	.991	232	.77?	.08	.06
68	1320	470	12.8	467	12.9	478	12.9	0	2.03	.08	1	.250	1.54	.014	.993	244	.74?	.08	.07
46	1320	135	12.5	134	12.6	265	12.6	0	1.83	.08	1	.510	1.54	.026	.986	237	.76?	.08	.07
59	1867	265	12.6	256	12.7	299	12.6	0	1.83	.08	1	.110	1.66	.064	.967	463	.47	.08	.13
45	2700	238	12.5	195	12.8	316	12.6	0	1.95	.08	1	.050	1.66	.232	.819	1121	.23	.24	.32
59	1400	316	12.6	309	12.8	---	---	0	2.01	.08	1	.110	1.66	.022	.980	323	.62	.16	.09
66	1320	587	12.7	585	12.8	628	12.7	0	1.92	.08	1	.110	1.66	.014	.995	238	.75?	.08	.07
68	1877	628	12.7	621	12.9	---	---	0	1.92	.08	1	.250	1.54	.025	.988	313	.63	.16	.09
70	1320	1099	12.9	1093	13.0	1103	13.0	0	1.97	.08	1	.180	1.54	.013	.995	224	.78?	.08	.06
74	1320	1103	13.0	1097	13.0	1106	13.0	0	1.98	.08	1	.090	1.66	.009	.995	209	.82?	.08	.06
40	2650	134	12.5	124	12.8	---	---	0	3.00	.08	1	.080	1.66	.188	.927	1043	.24	.08	.29
40	1800	116	12.6	103	12.8	227	12.8	0	1.61	.08	1	.080	1.66	.142	.893	751	.32	.16	.21
82	1400	302	12.7	297	12.8	326	12.6	0	2.07	.08	1	.100	1.66	.028	.984	349	.58	.08	.10
82	1867	135	12.6	126	12.7	---	---	0	2.06	.08	1	.100	1.66	.093	.934	640	.37	.16	.18
81	1320	449	12.6	445	12.8	487	12.7	0	2.06	.08	1	.220	1.54	.020	.991	269	.70?	.16	.07
78	1320	487	12.7	481	12.9	496	12.8	0	1.99	.08	1	.090	1.66	.019	.987	290	.66	.16	.08
41	3100	159	12.6	149	12.7	331	12.6	0	1.90	.08	1	.240	1.66	.087	.936	587	.39	.16	.17
78	1600	412	12.6	403	12.6	---	---	0	1.94	.08	1	.090	1.66	.039	.978	375	.55	.08	.10
77	1320	873	12.6	868	12.8	902	12.7	0	1.97	.08	1	.230	1.54	.013	.994	207	.82?	.16	.06

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							
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)	TRAVEL STOR-AGE (HR)	TIME KINE-MATIC (HR)
ALTERNATE 1 STORM 2																			
69	1320	902	12.7	894	12.9	937	12.8	0	1.94	.08	1	.200	1.54	.014	.991	224	.78?	.16	.06
67	1320	140	12.5	136	12.6	211	12.5	0	1.91	.08	1	.250	1.54	.051	.968	373	.56	.16	.10
69	1320	211	12.5	207	12.6	---	---	0	2.04	.08	1	.200	1.54	.046	.982	373	.56	.16	.10
74	1867	1107	12.8	1091	12.9	---	---	0	1.95	.08	1	.090	1.66	.018	.985	296	.66	.08	.08
114	3300	2161	13.0	2071	13.1	2137	13.1	0	1.97	.08	1	.050	1.66	.046	.959	571	.40	.16	.16
114	2200	138	12.6	116	12.9	---	---	0	2.06	.08	1	.050	1.66	.250	.838	1136	.23	.16	.33
72	2650	268	12.5	244	12.7	359	12.6	0	1.83	.08	1	.180	1.54	.146	.913	738	.33	.16	.21
114	2000	359	12.6	329	12.8	---	---	0	1.85	.08	1	.050	1.66	.108	.916	706	.34	.16	.20
118	4000	7637	13.0	7496	13.1	7621	13.1	0	1.96	.08	1	.050	1.66	.015	.982	419	.51	.16	.12
ALTERNATE 1 STORM 3																			
3	1000	247	12.5	244	12.6	---	---	0	3.46	.08	1	.040	1.66	.049	.989	468	.47	.08	.13
3	1400	162	12.5	158	12.7	---	---	0	3.46	.08	1	.040	1.66	.112	.974	775	.31	.08	.22
6	1600	446	12.6	443	12.7	---	---	0	3.19	.08	1	1.53	1.21	.049	.992	329	.61	.16	.09
8	1600	550	12.7	531	12.9	---	---	0	2.90	.08	1	.655	1.24	.085	.967	540	.42	.16	.15
8	1400	107	12.6	105	12.8	---	---	0	1.83	.08	1	.542	1.52	.026	.982	278	.68?	.16	.08
4	1800	37	12.5	32	13.0	348	12.5	0	3.47	.08	1	.050	1.66	.362	.861	1571	.17	.08	.45
5	1400	348	12.5	342	12.6	---	---	0	3.46	.08	1	.050	1.66	.051	.983	500	.45	.08	.14
8	2100	463	12.6	434	12.9	---	---	0	2.85	.08	1	.643	1.24	.123	.938	729	.33	.16	.20
8	1900	172	12.6	146	13.0	---	---	0	1.90	.08	1	.040	1.66	.184	.852	1029	.25	.24	.29
14	3000	1309	12.9	1184	13.1	---	---	0	2.50	.08	1	.755	1.21	.148	.905	890	.28	.16	.25
14	2600	157	12.8	152	13.0	1323	13.1	0	1.82	.08	1	.815	1.45	.044	.967	426	.51	.16	.12
15	1100	156	12.6	156	12.6	221	12.6	0	2.56	.08	0	.540	1.66	.006	1.000	129	1.00?	.00	.00
27	3000	1452	13.0	1387	13.3	---	---	0	2.39	.08	1	.379	1.33	.083	.955	767	.32	.24	.21
25	2200	99	12.5	90	12.9	189	12.6	0	3.47	.08	1	.050	1.66	.263	.906	1297	.20	.08	.37
27	1700	189	12.6	183	12.7	---	---	0	2.76	.08	1	.793	1.40	.035	.973	324	.62	.16	.09
37	3000	1608	13.2	1603	13.3	1614	13.3	0	2.38	.08	1	.447	1.51	.014	.996	284	.67?	.08	.08
37	2100	233	12.6	231	12.6	---	---	0	2.14	.08	1	.410	1.66	.021	.991	248	.74?	.08	.07
143	1400	1651	13.3	1650	13.4	---	---	0	2.33	.08	1	.090	1.66	.005	.999	189	.86?	.08	.05
86	1250	0	.0	0	.0	91	12.5	0	.00	.08	0	.000	.00	.000	.000	0	.00	.00	.00
87	1320	91	12.5	81	12.7	153	12.6	0	.12	.08	1	.118	1.45	.212	.892	984	.26	.16	.28
105	2000	153	12.6	131	13.0	---	---	0	.23	.08	1	.286	1.34	.210	.855	1079	.24	.16	.31
11	2700	93	12.6	89	12.7	286	12.7	0	1.83	.08	1	.440	1.66	.052	.962	440	.49	.16	.12

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								
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)	TRAVEL STOR-AGE (HR)	TIME KINE-MATIC (HR)
ALTERNATE		1	STORM	3															
28	3300	286	12.7	209	13.2	---	---	0	1.82	.08	1	.030	1.66	.418	.731	1735	.15	.32	.51
28	2800	140	12.6	99	13.1	308	13.2	0	2.22	.08	1	.030	1.66	.561	.706	1954	.14	.32	.58
36	3500	401	13.1	360	13.4	376	13.4	0	1.93	.08	1	.060	1.66	.106	.898	1059	.24	.24	.30
90	2600	376	13.4	367	13.6	---	---	0	1.98	.08	1	.220	1.54	.027	.977	564	.41	.16	.16
35	1320	142	12.6	139	12.8	280	12.6	0	2.38	.08	1	.310	1.54	.030	.979	323	.62	.16	.09
91	2640	280	12.6	261	12.8	403	12.6	0	2.34	.08	1	.220	1.54	.085	.932	635	.37	.16	.18
90	1320	403	12.6	396	12.7	520	12.7	0	2.41	.08	1	.220	1.54	.021	.983	280	.68?	.08	.08
88	1320	750	12.7	747	12.9	846	12.8	0	2.15	.08	1	.220	1.54	.008	.997	225	.78?	.16	.06
88	2000	62	12.5	56	12.7	---	---	0	2.39	.08	1	.220	1.54	.156	.906	816	.30	.16	.23
101	1050	902	12.8	900	12.9	935	12.9	0	2.19	.08	1	.220	1.54	.005	.997	168	.92?	.08	.05
102	1320	935	12.9	895	13.0	927	13.0	0	2.21	.08	1	.020	1.66	.029	.957	553	.41	.16	.15
105	1320	927	13.0	908	13.2	926	13.2	0	2.21	.08	1	.202	1.41	.024	.980	409	.52	.16	.11
107	1400	1050	13.1	1032	13.3	1040	13.3	0	1.26	.08	1	.187	1.42	.024	.982	412	.52	.16	.11
85	2000	1650	13.4	1634	13.5	1641	13.5	0	4.66	.08	1	.118	1.50	.026	.991	476	.46	.16	.13
83	2000	1641	13.5	1626	13.7	1632	13.7	0	4.52	.08	1	.118	1.50	.025	.990	477	.46	.16	.13
83	1320	66	12.6	62	12.7	---	---	0	1.90	.08	1	.200	1.54	.087	.936	562	.41	.16	.16
109	2000	113	13.7	104	13.9	108	13.9	0	.29	.08	1	.388	1.34	.191	.925	916	.27	.24	.26
80	1320	1527	13.7	1520	13.8	1525	13.8	0	8.29	.08	1	.783	1.23	.022	.996	331	.61	.08	.09
79	1320	1525	13.8	1524	13.8	1528	13.8	0	7.79	.08	1	.230	1.54	.004	.999	170	.92?	.08	.05
76	1320	1528	13.8	1528	14.0	1532	14.0	0	7.40	.08	1	.230	1.54	.004	1.000	170	.92?	.16	.05
75	1320	1532	14.0	1532	14.1	1536	14.1	0	7.06	.08	1	.230	1.54	.004	1.000	170	.92?	.08	.05
113	1800	1536	14.1	1534	14.2	---	---	0	6.81	.08	1	.080	1.66	.006	.999	269	.70?	.08	.07
113	1320	63	12.6	57	12.7	1538	14.2	0	1.83	.08	1	.080	1.66	.124	.906	700	.34	.16	.20
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

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							
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)	TRAVEL STOR-AGE (HR)	TIME KINE-MATIC (HR)
ALTERNATE	1	STORM	3																
98	3000	359	12.7	326	13.0	---	---	0	2.13	.08	1	.080	1.66	.059	.908	798	.31	.24	.23
97	2100	148	12.6	134	12.8	365	12.6	0	2.22	.08	1	.080	1.66	.138	.902	794	.31	.16	.23
98	1000	365	12.6	363	12.7	---	---	0	2.48	.08	1	.080	1.66	.018	.994	264	.71?	.08	.07
99	1250	1286	12.8	1282	12.9	1343	12.9	0	2.15	.08	1	.080	1.66	.005	.997	200	.84?	.08	.06
139	1600	1343	12.9	1329	13.0	---	---	0	2.16	.08	1	.050	1.66	.012	.990	334	.60	.08	.09
139	600	108	12.5	106	12.6	1376	13.0	0	2.57	.08	1	.050	1.66	.035	.982	341	.59	.16	.10
141	2100	196	13.0	186	13.3	341	12.6	0	2.28	.08	1	.080	1.66	.055	.947	710	.34	.24	.20
140	1320	341	12.6	332	12.7	475	12.6	0	2.44	.08	1	.080	1.66	.016	.972	358	.57	.08	.10
139	2800	557	12.6	503	12.9	---	---	0	2.40	.08	1	.050	1.66	.077	.903	830	.30	.16	.24
138	3000	111	12.5	108	12.7	384	12.5	0	3.47	.08	1	.170	1.66	.120	.973	809	.30	.08	.23
139	2000	384	12.5	356	12.6	---	---	0	2.65	.08	1	.050	1.66	.110	.927	687	.35	.16	.19
127	2500	195	12.5	178	12.7	---	---	0	2.41	.08	1	.080	1.66	.177	.913	847	.29	.08	.24
127	2300	46	12.5	36	12.9	212	12.7	0	2.07	.08	1	.080	1.66	.443	.781	1382	.19	.16	.40
131	2000	217	12.5	213	12.6	---	---	0	2.76	.08	1	.170	1.66	.048	.980	412	.52	.08	.12
126	1500	769	12.5	758	12.6	1003	12.6	0	2.45	.08	1	.110	1.66	.019	.986	243	.74?	.08	.07
134	1500	1003	12.6	1000	12.6	---	---	0	2.66	.08	1	.130	1.66	.012	.997	198	.84?	.08	.06
134	3200	70	12.5	65	12.8	1061	12.6	0	3.47	.08	1	.130	1.66	.236	.919	1214	.21	.08	.34
124	2500	1468	12.5	1442	12.6	1698	12.6	0	2.74	.08	1	.090	1.66	.030	.982	354	.58	.16	.10
103	1400	2259	12.8	2259	12.8	2300	12.7	0	2.28	.08	0	.960	1.51	.002	1.000	70	1.00?	.00	.00
104	1320	2300	12.7	2300	12.7	---	---	0	2.28	.08	0	.960	1.51	.001	1.000	66	1.00?	.00	.00
107	1000	3967	12.6	3967	12.6	---	---	0	2.39	.08	0	.850	1.53	.001	1.000	41	1.00?	.00	.00
108	1700	4766	12.6	4766	12.6	---	---	0	2.01	.08	0	.850	1.53	.001	1.000	66	1.00?	.00	.00
108	700	66	12.6	64	12.7	88	12.6	0	1.98	.08	1	.080	1.66	.037	.974	365	.57	.16	.10
110	1320	4915	12.6	4915	12.6	---	---	0	1.87	.08	0	.850	1.53	.001	1.000	50	1.00?	.00	.00
111	1320	5448	12.6	5448	12.6	5516	12.6	0	1.89	.08	0	1.07	1.53	.001	1.000	42	1.00?	.00	.00
112	1320	5516	12.6	5450	12.6	5601	12.6	0	1.89	.08	1	.040	1.63	.007	.988	209	.82?	.08	.06
113	1320	5601	12.6	5566	12.7	---	---	0	1.93	.08	1	.040	1.63	.006	.994	208	.82?	.08	.06
114	3000	6486	12.7	6295	12.9	---	---	0	2.38	.08	1	.040	1.63	.016	.971	446	.49	.16	.12
48	1320	144	12.5	140	12.7	268	12.6	0	3.46	.08	1	.040	1.66	.110	.975	766	.32	.08	.21
48	2640	107	12.5	90	13.0	---	---	0	3.47	.08	1	.040	1.66	.422	.836	1724	.15	.08	.50
56	1866	341	12.6	334	12.8	371	12.6	0	2.77	.08	1	.120	1.66	.032	.980	397	.53	.16	.11
57	1320	371	12.6	364	12.7	410	12.6	0	2.67	.08	1	.200	1.54	.022	.981	306	.64	.16	.09

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										
XSEC ID	REACH LENGTH (FT)	INFLOW PEAK (CFS)	INFLOW TIME (HR)	OUTFLOW PEAK (CFS)	OUTFLOW TIME (HR)	OUTFLOW+ INTERV.AREA PEAK (CFS)	OUTFLOW+ INTERV.AREA TIME (HR)	BASE-FLOW (CFS)	VOLUME ABOVE BASE (IN)	MAIN TIME INCR (HR)	ITER-ATION #	Q AND A EQUATION COEFF (X)	Q AND A EQUATION POWER (M)	LENGTH FACTOR (K*)	PEAK RATIO O/I (Q*)	S/Q @PEAK (K) (SEC)	ATT-KIN COEFF (C)	PEAK TRAVEL STOR-AGE (HR)	PEAK TIME KINE-MATIC (HR)
ALTERNATE 1 STORM 3																			
60	1867	410	12.6	399	12.7	460	12.7	0	2.60	.08	1	.120	1.66	.023	.972	369	.56	.08	.10
60	1320	87	12.5	84	12.6	---	---	0	2.40	.08	1	.250	1.54	.064	.968	440	.49	.08	.12
65	1320	542	12.7	540	12.8	584	12.7	0	2.51	.08	1	.280	1.54	.013	.995	215	.80?	.08	.06
68	1320	584	12.7	581	12.9	594	12.9	0	2.44	.08	1	.250	1.54	.013	.996	226	.78?	.16	.06
46	1320	161	12.5	160	12.6	316	12.5	0	2.23	.08	1	.510	1.54	.023	.990	223	.78?	.08	.06
59	1867	316	12.5	308	12.6	378	12.6	0	2.22	.08	1	.110	1.66	.055	.975	431	.50	.16	.12
45	2700	285	12.5	239	12.8	383	12.6	0	2.36	.08	1	.050	1.66	.203	.838	1044	.24	.24	.30
59	1400	383	12.6	376	12.8	---	---	0	2.42	.08	1	.110	1.66	.020	.981	299	.65	.16	.08
66	1320	719	12.6	715	12.7	777	12.7	0	2.32	.08	1	.110	1.66	.013	.994	220	.79?	.08	.06
68	1877	777	12.7	768	12.8	---	---	0	2.32	.08	1	.250	1.54	.024	.988	291	.66	.08	.08
70	1320	1362	12.8	1352	12.9	1366	12.9	0	2.37	.08	1	.180	1.54	.012	.993	208	.82?	.08	.06
74	1320	1366	12.9	1361	13.0	1371	13.0	0	2.38	.08	1	.090	1.66	.008	.996	192	.86?	.16	.05
40	2650	153	12.5	143	12.7	---	---	0	3.46	.08	1	.080	1.66	.169	.939	991	.25	.08	.28
40	1800	140	12.6	127	12.7	270	12.7	0	1.98	.08	1	.080	1.66	.122	.910	696	.34	.16	.20
82	1400	373	12.6	366	12.7	414	12.6	0	2.48	.08	1	.100	1.66	.026	.980	320	.62	.08	.09
82	1867	160	12.6	151	12.7	---	---	0	2.48	.08	1	.100	1.66	.082	.944	598	.39	.16	.17
81	1320	562	12.6	557	12.7	612	12.7	0	2.46	.08	1	.220	1.54	.019	.991	249	.73?	.08	.07
78	1320	612	12.7	605	12.8	628	12.8	0	2.39	.08	1	.090	1.66	.017	.989	264	.71?	.08	.07
41	3100	190	12.6	180	12.7	386	12.6	0	2.30	.08	1	.240	1.66	.076	.945	548	.42	.08	.15
78	1600	481	12.5	472	12.6	---	---	0	2.34	.08	1	.090	1.66	.033	.982	353	.58	.16	.10
77	1320	1085	12.6	1077	12.7	1123	12.7	0	2.38	.08	1	.230	1.54	.012	.993	192	.86?	.08	.05
69	1320	1123	12.7	1114	12.8	1171	12.8	0	2.34	.08	1	.200	1.54	.013	.992	208	.82?	.08	.06
67	1320	166	12.5	162	12.6	251	12.5	0	2.31	.08	1	.250	1.54	.045	.974	351	.58	.08	.10
69	1320	251	12.5	247	12.6	---	---	0	2.46	.08	1	.200	1.54	.041	.984	351	.58	.16	.10
74	1867	1369	12.8	1359	12.9	---	---	0	2.35	.08	1	.090	1.66	.017	.992	272	.69?	.08	.08
114	3300	2696	13.0	2604	13.1	2686	13.1	0	2.37	.08	1	.050	1.66	.042	.966	523	.43	.16	.15
114	2200	163	12.6	140	12.9	---	---	0	2.48	.08	1	.050	1.66	.219	.860	1062	.24	.16	.30
72	2650	319	12.5	296	12.6	443	12.6	0	2.22	.08	1	.180	1.54	.129	.926	694	.34	.16	.20
114	2000	443	12.6	411	12.8	---	---	0	2.25	.08	1	.050	1.66	.096	.929	649	.36	.08	.18
118	4000	9589	13.0	9427	13.1	9580	13.1	0	2.36	.08	1	.050	1.66	.014	.983	382	.55	.16	.11
ALTERNATE 1 STORM 4																			
3	1000	313	12.5	311	12.6	---	---	0	4.47	.08	1	.040	1.66	.040	.993	426	.51	.08	.12

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											
XSEC ID	REACH LENGTH (FT)	INFLOW PEAK (CFS)	INFLOW TIME (HR)	OUTFLOW PEAK (CFS)	OUTFLOW TIME (HR)	OUTFLOW+ INTERV. AREA PEAK (CFS)	OUTFLOW+ INTERV. AREA TIME (HR)	BASE-FLOW (CFS)	VOLUME ABOVE BASE (IN)	MAIN TIME INCR (HR)	ITER-ATION #	Q AND A EQUATION COEFF (X)	Q AND A EQUATION POWER (M)	LENGTH FACTOR (K*)	PEAK RATIO O/I (Q*)	S/Q @PEAK (K) (SEC)	ATT-KIN COEFF (C)	PEAK TRAVEL STOR-AGE (HR)	PEAK TIME KINE-MATIC (HR)
ALTERNATE		1	STORM	4															
3	1400	206	12.4	202	12.6	---	---	0	4.48	.08	1	.040	1.66	.093	.983	705	.34	.16	.20
6	1600	585	12.6	575	12.7	---	---	0	4.17	.08	1	1.05	1.20	.071	.984	443	.49	.08	.12
8	1600	725	12.7	703	12.9	---	---	0	3.85	.08	1	.638	1.24	.077	.970	507	.44	.16	.14
8	1400	153	12.6	151	12.7	---	---	0	2.66	.08	1	.570	1.50	.022	.988	251	.73?	.08	.07
4	1800	47	12.4	42	12.8	448	12.5	0	4.48	.08	1	.050	1.66	.299	.890	1430	.18	.16	.41
5	1400	448	12.5	443	12.6	---	---	0	4.47	.08	1	.050	1.66	.043	.990	453	.48	.08	.13
8	2100	615	12.6	584	12.8	---	---	0	3.80	.08	1	.648	1.24	.115	.950	691	.34	.08	.19
8	1900	245	12.6	217	12.9	---	---	0	2.74	.08	1	.040	1.66	.143	.885	893	.28	.24	.25
14	3000	1803	12.8	1655	13.0	---	---	0	3.41	.08	1	.687	1.23	.134	.918	818	.30	.24	.23
14	2600	227	12.8	222	12.9	1867	13.0	0	2.65	.08	1	.892	1.42	.040	.975	395	.53	.08	.11
15	1100	208	12.6	208	12.6	301	12.6	0	3.51	.08	0	.540	1.66	.005	1.000	115	1.00?	.00	.00
27	3000	2108	12.9	2040	13.1	---	---	0	3.29	.08	1	.272	1.39	.067	.968	648	.36	.24	.18
25	2200	125	12.4	116	12.7	262	12.6	0	4.48	.08	1	.050	1.66	.218	.928	1181	.22	.16	.33
27	1700	262	12.6	259	12.6	---	---	0	3.71	.08	1	.827	1.38	.033	.987	300	.65	.08	.08
37	3000	2384	13.0	2380	13.1	2400	13.1	0	3.28	.08	1	.325	1.57	.010	.998	233	.76?	.08	.06
37	2100	320	12.6	319	12.6	---	---	0	3.03	.08	1	.410	1.66	.016	.996	218	.79?	.08	.06
143	1400	2491	13.0	2490	13.1	---	---	0	3.23	.08	1	.090	1.66	.004	1.000	161	.95?	.08	.04
86	1250	76	13.1	63	13.4	120	12.5	0	.07	.08	1	.118	1.45	.422	.828	985	.26	.32	.28
87	1320	120	12.5	110	12.7	209	12.6	0	.24	.08	1	.116	1.45	.110	.916	898	.28	.16	.25
105	2000	209	12.6	185	12.9	---	---	0	.37	.08	1	.287	1.33	.146	.884	999	.25	.24	.28
11	2700	133	12.6	129	12.7	413	12.7	0	2.66	.08	1	.440	1.66	.040	.971	382	.55	.16	.11
28	3300	413	12.7	321	13.1	---	---	0	2.65	.08	1	.030	1.66	.324	.778	1499	.18	.32	.44
28	2800	194	12.6	146	13.0	465	13.0	0	3.12	.08	1	.030	1.66	.441	.752	1718	.15	.32	.50
36	3500	623	13.0	569	13.3	603	13.2	0	2.78	.08	1	.060	1.66	.090	.913	889	.28	.32	.25
90	2600	603	13.2	594	13.4	---	---	0	2.84	.08	1	.220	1.54	.025	.985	478	.46	.16	.13
35	1320	193	12.6	191	12.7	385	12.6	0	3.30	.08	1	.310	1.54	.024	.986	289	.66	.08	.08
91	2640	385	12.6	365	12.7	560	12.6	0	3.26	.08	1	.220	1.54	.070	.946	568	.40	.16	.16
90	1320	560	12.6	555	12.7	721	12.7	0	3.34	.08	1	.220	1.54	.018	.991	249	.73?	.08	.07
88	1320	1167	12.8	1165	12.9	1291	12.8	0	3.04	.08	1	.220	1.54	.007	.998	193	.86?	.08	.05
88	2000	84	12.5	78	12.7	---	---	0	3.32	.08	1	.220	1.54	.127	.930	735	.33	.16	.21
101	1050	1368	12.8	1368	12.9	1414	12.9	0	3.08	.08	1	.220	1.54	.005	1.000	145	1.00?	.08	.04
102	1320	1414	12.9	1370	13.0	1414	13.0	0	3.10	.08	1	.020	1.66	.025	.969	469	.47	.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										
		INFLOW		OUTFLOW		OUTFLOW+ INTERV.AREA						Q AND A EQUATION						PEAK 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																
105	1320	1414	13.0	1392	13.1	1424	13.1	0	3.10	.08	1	.163	1.44	.020	.985	345	.59	.08	.10
107	1400	1582	13.1	1561	13.2	1575	13.2	0	1.81	.08	1	.157	1.45	.020	.987	351	.58	.08	.10
85	2000	2414	13.1	2395	13.3	2411	13.3	0	6.39	.08	1	.115	1.50	.024	.992	417	.51	.16	.12
83	2000	2411	13.3	2393	13.4	2404	13.4	0	6.21	.08	1	.115	1.50	.023	.992	418	.51	.16	.12
83	1320	93	12.6	88	12.7	---	---	0	2.75	.08	1	.200	1.54	.069	.952	498	.45	.16	.14
109	2000	279	13.4	266	13.7	272	13.7	0	.76	.08	1	.393	1.34	.130	.953	732	.33	.24	.20
80	1320	2143	13.4	2135	13.5	2144	13.5	0	11.05	.08	1	.771	1.23	.022	.997	309	.64	.08	.09
79	1320	2144	13.5	2144	13.6	2151	13.6	0	10.40	.08	1	.230	1.54	.004	1.000	151	.98?	.08	.04
76	1320	2151	13.6	2151	13.7	2157	13.7	0	9.89	.08	1	.230	1.54	.004	1.000	151	.98?	.08	.04
75	1320	2157	13.7	2156	13.8	2165	13.8	0	9.43	.08	1	.230	1.54	.003	1.000	151	.98?	.08	.04
113	1800	2165	13.8	2161	13.9	---	---	0	9.10	.08	1	.080	1.66	.005	.998	234	.76?	.16	.07
113	1320	90	12.6	83	12.7	2168	13.9	0	2.66	.08	1	.080	1.66	.094	.931	610	.38	.16	.17
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
97	2100	203	12.6	189	12.7	513	12.6	0	3.12	.08	1	.080	1.66	.107	.928	700	.34	.16	.20
98	1000	513	12.6	508	12.6	---	---	0	3.41	.08	1	.080	1.66	.015	.990	231	.77?	.08	.06
99	1250	1890	12.8	1889	12.9	1980	12.8	0	3.03	.08	1	.080	1.66	.004	.999	172	.91?	.08	.05
139	1600	1980	12.8	1963	13.0	---	---	0	3.05	.08	1	.050	1.66	.010	.991	286	.67?	.16	.08
139	600	144	12.5	142	12.6	2032	12.9	0	3.51	.08	1	.050	1.66	.027	.984	304	.64	.08	.08
141	2100	273	13.0	262	13.2	472	12.6	0	3.19	.08	1	.080	1.66	.044	.959	623	.38	.16	.17
140	1320	472	12.6	463	12.7	653	12.6	0	3.36	.08	1	.080	1.66	.013	.980	315	.63	.08	.09
139	2800	767	12.6	710	12.9	---	---	0	3.33	.08	1	.050	1.66	.062	.927	731	.33	.16	.21
138	3000	140	12.4	138	12.6	511	12.5	0	4.48	.08	1	.170	1.66	.100	.982	737	.33	.16	.21
139	2000	511	12.5	485	12.6	---	---	0	3.60	.08	1	.050	1.66	.088	.949	614	.38	.08	.17

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										
XSEC ID	REACH LENGTH (FT)	INFLOW PEAK (CFS)	INFLOW TIME (HR)	OUTFLOW PEAK (CFS)	OUTFLOW TIME (HR)	OUTFLOW+ INTERV.AREA PEAK (CFS)	OUTFLOW+ INTERV.AREA TIME (HR)	BASE-FLOW (CFS)	VOLUME ABOVE BASE (IN)	MAIN TIME INCR (HR)	ITER-ATION #	Q AND A EQUATION COEFF (X)	Q AND A EQUATION POWER (M)	LENGTH FACTOR (K*)	PEAK RATIO O/I (Q*)	S/Q @PEAK (K) (SEC)	ATT-KIN COEFF (C)	PEAK TRAVEL STOR-AGE (HR)	PEAK TIME KINE-MATIC (HR)
ALTERNATE		1	STORM	4															
127	2500	259	12.5	244	12.7	---	---	0	3.34	.08	1	.080	1.66	.137	.942	757	.32	.08	.21
127	2300	63	12.5	52	12.8	294	12.7	0	2.95	.08	1	.080	1.66	.335	.835	1223	.21	.08	.35
131	2000	284	12.5	281	12.6	---	---	0	3.72	.08	1	.170	1.66	.038	.988	371	.56	.08	.10
126	1500	1044	12.5	1036	12.6	1346	12.6	0	3.38	.08	1	.110	1.66	.015	.992	215	.80?	.08	.06
134	1500	1346	12.6	1344	12.6	---	---	0	3.60	.08	1	.130	1.66	.010	.999	176	.90?	.08	.05
134	3200	89	12.4	84	12.7	1426	12.6	0	4.48	.08	1	.130	1.66	.195	.939	1105	.23	.16	.31
124	2500	1979	12.5	1948	12.6	2306	12.6	0	3.69	.08	1	.090	1.66	.025	.984	314	.63	.16	.09
103	1400	3325	12.8	3325	12.8	3374	12.7	0	3.18	.08	0	.960	1.51	.001	1.000	62	1.00?	.00	.00
104	1320	3374	12.7	3374	12.7	---	---	0	3.18	.08	0	.960	1.51	.001	1.000	58	1.00?	.00	.00
107	1000	5598	12.6	5598	12.6	---	---	0	3.30	.08	0	.850	1.53	.001	1.000	37	1.00?	.00	.00
108	1700	6855	12.6	6855	12.6	---	---	0	2.79	.08	0	.850	1.53	.001	1.000	58	1.00?	.00	.00
108	700	93	12.6	91	12.7	126	12.6	0	2.84	.08	1	.080	1.66	.029	.977	318	.62	.16	.09
110	1320	7081	12.6	7081	12.6	---	---	0	2.63	.08	0	.850	1.53	.001	1.000	44	1.00?	.00	.00
111	1320	7768	12.6	7768	12.6	7866	12.6	0	2.66	.08	0	1.07	1.53	.001	1.000	37	1.00?	.00	.00
112	1320	7866	12.6	7815	12.6	8007	12.6	0	2.66	.08	1	.040	1.63	.005	.994	182	.88?	.08	.05
113	1320	8007	12.6	7982	12.7	---	---	0	2.70	.08	1	.040	1.63	.005	.997	181	.89?	.08	.05
114	3000	9392	12.7	9189	12.9	---	---	0	3.29	.08	1	.040	1.63	.013	.978	386	.54	.16	.11
48	1320	182	12.4	179	12.6	361	12.6	0	4.48	.08	1	.040	1.66	.091	.984	698	.34	.16	.19
48	2640	136	12.4	118	12.9	---	---	0	4.48	.08	1	.040	1.66	.349	.868	1569	.17	.16	.45
56	1866	460	12.6	451	12.7	529	12.6	0	3.72	.08	1	.120	1.66	.027	.982	352	.58	.16	.10
57	1320	529	12.6	519	12.6	600	12.6	0	3.60	.08	1	.200	1.54	.020	.982	270	.70?	.08	.08
60	1867	600	12.6	587	12.7	676	12.6	0	3.53	.08	1	.120	1.66	.021	.977	317	.62	.16	.09
60	1320	116	12.5	114	12.6	---	---	0	3.32	.08	1	.250	1.54	.052	.980	398	.53	.08	.11
65	1320	786	12.6	782	12.7	858	12.7	0	3.44	.08	1	.280	1.54	.011	.994	189	.86?	.08	.05
68	1320	858	12.7	854	12.8	879	12.8	0	3.35	.08	1	.250	1.54	.012	.995	197	.84?	.08	.05
46	1320	219	12.5	218	12.6	432	12.5	0	3.13	.08	1	.510	1.54	.018	.995	201	.84?	.08	.06
59	1867	432	12.5	424	12.6	522	12.6	0	3.12	.08	1	.110	1.66	.043	.981	381	.55	.16	.11
45	2700	389	12.5	339	12.7	535	12.6	0	3.27	.08	1	.050	1.66	.161	.871	923	.27	.16	.26
59	1400	535	12.6	528	12.7	---	---	0	3.34	.08	1	.110	1.66	.016	.986	262	.71?	.08	.07
66	1320	1005	12.6	1003	12.7	1093	12.6	0	3.24	.08	1	.110	1.66	.010	.998	192	.86?	.08	.05
68	1877	1093	12.6	1083	12.8	---	---	0	3.23	.08	1	.250	1.54	.020	.991	258	.72?	.16	.07
70	1320	1962	12.8	1959	12.9	1977	12.9	0	3.29	.08	1	.180	1.54	.011	.999	183	.88?	.08	.05

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							
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)	TRAVEL STOR-AGE (HR)	TIME KINE-MATIC (HR)
ALTERNATE		1	STORM	4															
74	1320	1977	12.9	1976	13.0	1990	13.0	0	3.29	.08	1	.090	1.66	.007	.999	166	.93?	.08	.05
40	2650	193	12.5	185	12.7	---	---	0	4.48	.08	1	.080	1.66	.140	.956	902	.28	.08	.25
40	1800	195	12.6	182	12.7	367	12.7	0	2.84	.08	1	.080	1.66	.093	.936	611	.38	.08	.17
82	1400	502	12.6	495	12.8	564	12.6	0	3.39	.08	1	.100	1.66	.021	.986	285	.67?	.16	.08
82	1867	215	12.6	206	12.7	---	---	0	3.41	.08	1	.100	1.66	.065	.957	532	.43	.16	.15
81	1320	765	12.6	762	12.7	840	12.7	0	3.38	.08	1	.220	1.54	.016	.996	223	.78?	.08	.06
78	1320	840	12.7	837	12.8	874	12.7	0	3.30	.08	1	.090	1.66	.014	.996	233	.76?	.08	.06
41	3100	258	12.6	249	12.7	531	12.6	0	3.22	.08	1	.240	1.66	.059	.967	485	.46	.08	.14
78	1600	662	12.5	652	12.6	---	---	0	3.26	.08	1	.090	1.66	.026	.985	311	.63	.16	.09
77	1320	1516	12.6	1512	12.7	1576	12.7	0	3.29	.08	1	.230	1.54	.010	.997	171	.92?	.08	.05
69	1320	1576	12.7	1571	12.8	1649	12.8	0	3.25	.08	1	.200	1.54	.011	.997	184	.88?	.08	.05
67	1320	224	12.5	221	12.6	338	12.5	0	3.22	.08	1	.250	1.54	.037	.983	316	.63	.08	.09
69	1320	338	12.5	333	12.6	---	---	0	3.39	.08	1	.200	1.54	.034	.985	316	.63	.16	.09
74	1867	1935	12.7	1909	12.9	---	---	0	3.26	.08	1	.090	1.66	.014	.987	237	.76?	.16	.07
114	3300	3886	12.9	3779	13.0	3904	13.0	0	3.29	.08	1	.050	1.66	.035	.973	452	.48	.16	.13
114	2200	219	12.6	196	12.8	---	---	0	3.41	.08	1	.050	1.66	.172	.894	945	.26	.16	.27
72	2650	434	12.5	411	12.6	615	12.6	0	3.12	.08	1	.180	1.54	.104	.945	623	.38	.16	.17
114	2000	615	12.6	585	12.7	---	---	0	3.15	.08	1	.050	1.66	.076	.951	570	.40	.16	.16
118	4000	13998	12.9	13826	13.0	14040	13.0	0	3.27	.08	1	.050	1.66	.012	.988	329	.61	.16	.09

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 37	2.27				
ALTERNATE 1		703.04	1319.75	1612.18	2398.30
XSECTION 1	.15				
ALTERNATE 1		149.82	217.93	248.49	315.14
XSECTION 2	.10				
ALTERNATE 1		100.45	145.51	165.73	205.68
XSECTION 3	.29				
ALTERNATE 1		255.59	387.57	446.92	587.18
XSECTION 4	.22				
ALTERNATE 1		210.49	307.71	351.51	453.15
XSECTION 5	.34				
ALTERNATE 1		253.80	398.25	464.83	619.18
XSECTION 6	.40				
ALTERNATE 1		300.45	471.05	549.88	724.65
XSECTION 7	.12				
ALTERNATE 1		44.80	86.33	106.65	153.08
XSECTION 8	1.18				
ALTERNATE 1		650.56	1108.39	1315.07	1804.46
XSECTION 9	.20				
ALTERNATE 1		64.48	126.67	157.37	227.90
XSECTION 10	.09				
ALTERNATE 1		39.88	75.75	93.22	132.97
XSECTION 11	.33				
ALTERNATE 1		117.15	230.38	285.92	413.00
XSECTION 12	.07				
ALTERNATE 1		32.53	60.86	74.48	105.26
XSECTION 13	.13				
ALTERNATE 1		66.41	116.76	140.57	193.87

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 14	1.74				
ALTERNATE 1		681.16	1206.43	1453.15	2109.76
XSECTION 15	.19				
ALTERNATE 1		111.65	186.03	221.76	301.24
XSECTION 16	.12				
ALTERNATE 1		79.99	132.00	155.97	208.86
XSECTION 17	.06				
ALTERNATE 1		61.59	89.14	101.51	125.18
XSECTION 18	.18				
ALTERNATE 1		73.81	139.85	171.98	245.14
XSECTION 19	.02				
ALTERNATE 1		22.96	33.24	37.85	46.68
XSECTION 20	.06				
ALTERNATE 1		66.80	96.70	110.11	135.79
XSECTION 21	.24				
ALTERNATE 1		139.00	238.75	285.36	389.02
XSECTION 22	.15				
ALTERNATE 1		93.43	159.92	190.91	259.70
XSECTION 23	.09				
ALTERNATE 1		93.41	135.51	154.39	195.58
XSECTION 24	.20				
ALTERNATE 1		110.32	194.33	233.88	322.19
XSECTION 25	.15				
ALTERNATE 1		93.03	159.42	188.68	262.79
XSECTION 26	.07				
ALTERNATE 1		48.39	79.23	93.38	124.48
XSECTION 27	2.15				
ALTERNATE 1		704.39	1319.07	1609.84	2386.33

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 28	.61				
ALTERNATE 1		134.67	315.19	402.24	623.94
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 34	.13				
ALTERNATE 1		68.82	118.43	141.66	193.40
XSECTION 35	.25				
ALTERNATE 1		133.11	234.08	281.50	386.73
XSECTION 36	.74				
ALTERNATE 1		120.71	292.02	375.82	603.38
XSECTION 37	2.47				
ALTERNATE 1		716.55	1349.81	1651.19	2491.17
XSECTION 38	.13				
ALTERNATE 1		63.86	115.83	140.54	196.03
XSECTION 39	.13				
ALTERNATE 1		80.82	135.10	160.23	215.79
XSECTION 40	.31				
ALTERNATE 1		177.94	302.51	373.29	502.15
XSECTION 41	.32				
ALTERNATE 1		181.67	331.49	386.12	531.63

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 42	.40				
ALTERNATE 1		232.12	417.50	484.05	664.38
XSECTION 43	.05				
ALTERNATE 1		37.81	60.28	70.48	92.77
XSECTION 44	.13				
ALTERNATE 1		83.51	140.24	166.48	224.43
XSECTION 45	.36				
ALTERNATE 1		174.40	316.02	383.54	535.39
XSECTION 46	.25				
ALTERNATE 1		155.77	268.27	317.51	432.40
XSECTION 47	.13				
ALTERNATE 1		79.43	135.44	161.49	219.21
XSECTION 48	.28				
ALTERNATE 1		175.03	285.32	341.58	460.43
XSECTION 49	.09				
ALTERNATE 1		89.06	129.01	146.94	182.36
XSECTION 56	.34				
ALTERNATE 1		174.07	302.53	372.21	529.06
XSECTION 57	.40				
ALTERNATE 1		182.71	331.55	412.30	601.30
XSECTION 58	.06				
ALTERNATE 1		44.80	73.94	87.32	116.74
XSECTION 59	.67				
ALTERNATE 1		320.90	588.44	720.00	1008.88
XSECTION 60	.53				
ALTERNATE 1		232.93	438.82	544.37	786.48
XSECTION 64	.25				
ALTERNATE 1		156.50	267.71	319.51	434.45

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 65	.59				
ALTERNATE 1		247.73	471.52	586.84	858.78
XSECTION 66	.74				
ALTERNATE 1		338.11	629.12	779.36	1095.98
XSECTION 67	.19				
ALTERNATE 1		127.33	211.86	251.26	338.17
XSECTION 68	1.39				
ALTERNATE 1		579.02	1099.49	1363.25	1966.25
XSECTION 69	1.34				
ALTERNATE 1		582.09	1108.89	1376.45	1936.72
XSECTION 70	1.45				
ALTERNATE 1		578.28	1102.61	1368.88	1980.61
XSECTION 71	.13				
ALTERNATE 1		83.02	138.29	163.81	220.19
XSECTION 72	.38				
ALTERNATE 1		198.79	359.31	446.87	615.73
XSECTION 74	2.86				
ALTERNATE 1		1137.72	2160.57	2703.09	3886.04
XSECTION 75	.96				
ALTERNATE 1		695.24	1278.91	1537.20	2165.14
XSECTION 76	.90				
ALTERNATE 1		693.49	1275.56	1532.97	2157.30
XSECTION 77	1.09				
ALTERNATE 1		476.05	904.01	1123.92	1576.79
XSECTION 78	1.03				
ALTERNATE 1		470.94	876.99	1086.75	1516.12
XSECTION 79	.84				
ALTERNATE 1		692.24	1272.78	1529.44	2151.68

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 80 ALTERNATE 1	.77	690.89	1270.05	1525.97	2145.07
XSECTION 81 ALTERNATE 1	.56	267.02	487.43	612.52	842.72
XSECTION 82 ALTERNATE 1	.50	254.04	449.67	562.06	766.63
XSECTION 83 ALTERNATE 1	1.42	693.00	1333.54	1639.85	2421.82
XSECTION 84 ALTERNATE 1	.06	28.86	53.75	65.73	92.83
XSECTION 85 ALTERNATE 1	1.30	701.97	1337.96	1641.24	2411.19
XSECTION 86 ALTERNATE 1	1.30	48.06	77.42	90.81	120.15
XSECTION 87 ALTERNATE 1	1.36	71.43	124.77	154.05	210.16
XSECTION 88 ALTERNATE 1	1.36	394.19	748.21	902.96	1370.56
XSECTION 89 ALTERNATE 1	.05	31.57	52.42	62.16	83.69
XSECTION 90 ALTERNATE 1	1.22	322.55	627.92	753.15	1168.72
XSECTION 91 ALTERNATE 1	.38	184.82	333.10	403.27	560.50
XSECTION 92 ALTERNATE 1	1.12	245.66	493.48	609.23	916.70
XSECTION 93 ALTERNATE 1	.19	126.61	213.06	253.10	340.19

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 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 97	.31				
ALTERNATE 1		177.34	306.67	367.44	513.80
XSECTION 98	2.06				
ALTERNATE 1		516.29	1021.27	1286.14	1892.38
XSECTION 99	2.15				
ALTERNATE 1		536.08	1063.85	1346.99	1982.31
XSECTION 100	.08				
ALTERNATE 1		57.05	92.22	108.52	144.36
XSECTION 101	1.41				
ALTERNATE 1		407.17	774.38	934.88	1413.70
XSECTION 102	1.47				
ALTERNATE 1		384.82	761.56	926.60	1414.35
XSECTION 103	3.41				
ALTERNATE 1		972.38	1861.21	2301.12	3379.17
XSECTION 104	4.81				
ALTERNATE 1		1734.16	3209.17	3970.35	5601.96
XSECTION 105	2.89				
ALTERNATE 1		420.38	852.86	1050.46	1583.20
XSECTION 106	.06				
ALTERNATE 1		29.64	54.38	66.28	93.14
XSECTION 107	7.97				
ALTERNATE 1		1997.36	3846.29	4772.16	6858.04

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__108_____	8.06				
ALTERNATE 1		2030.75	3916.10	4858.58	6980.01
_XSECTION__109_____	8.84				
ALTERNATE 1		2061.92	3973.60	4929.12	7089.47
_XSECTION__110_____	9.27				
ALTERNATE 1		2325.98	4416.84	5457.50	7785.69
_XSECTION__111_____	9.34				
ALTERNATE 1		2355.11	4472.61	5526.17	7883.63
_XSECTION__112_____	9.59				
ALTERNATE 1		2357.41	4519.85	5601.27	8007.03
_XSECTION__113_____	10.89				
ALTERNATE 1		2668.12	5207.40	6487.66	9394.41
_XSECTION__114_____	14.47				
ALTERNATE 1		3741.38	7480.18	9403.36	13730.94
_XSECTION__115_____	.09				
ALTERNATE 1		55.56	96.28	115.33	157.72
_XSECTION__118_____	14.93				
ALTERNATE 1		3802.54	7623.72	9590.35	14039.95
_XSECTION__119_____	14.70				
ALTERNATE 1		3820.33	7637.48	9597.77	14007.37
_XSECTION__120_____	.23				
ALTERNATE 1		181.43	289.16	338.15	445.41
_XSECTION__121_____	.25				
ALTERNATE 1		260.66	377.34	429.70	530.40
_XSECTION__122_____	9.19				
ALTERNATE 1		2293.75	4356.26	5383.30	7680.71
_XSECTION__123_____	.21				
ALTERNATE 1		217.28	315.47	359.53	450.76

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 124	1.33				
ALTERNATE 1		766.53	1406.48	1698.17	2309.52
XSECTION 125	1.11				
ALTERNATE 1		731.59	1231.35	1473.03	1981.53
XSECTION 126	.76				
ALTERNATE 1		493.32	843.30	1007.74	1354.80
XSECTION 127	.33				
ALTERNATE 1		169.41	322.49	390.23	542.09
XSECTION 128	.04				
ALTERNATE 1		22.79	39.33	47.02	64.06
XSECTION 129	.14				
ALTERNATE 1		103.76	169.08	199.00	264.77
XSECTION 130	.03				
ALTERNATE 1		29.32	44.13	50.77	65.23
XSECTION 131	.60				
ALTERNATE 1		363.93	639.83	769.62	1044.30
XSECTION 132	.14				
ALTERNATE 1		119.20	187.27	218.08	285.39
XSECTION 134	1.00				
ALTERNATE 1		635.36	1088.78	1305.95	1763.26
XSECTION 135	.04				
ALTERNATE 1		43.84	63.46	72.26	89.11
XSECTION 136	.07				
ALTERNATE 1		68.89	99.72	113.55	140.04
XSECTION 137	.08				
ALTERNATE 1		38.50	70.30	85.47	119.63
XSECTION 138	.27				
ALTERNATE 1		202.72	327.43	384.43	512.26

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 139	3.33				
ALTERNATE 1		960.91	1837.77	2263.56	3332.53
XSECTION 140	.54				
ALTERNATE 1		265.24	464.15	558.48	770.22
XSECTION 141	.44				
ALTERNATE 1		162.39	283.56	341.50	472.26
XSECTION 142	.25				
ALTERNATE 1		90.23	162.01	196.23	273.30
XSECTION 143	2.47				
ALTERNATE 1		714.31	1348.13	1649.80	2490.55

END OF 1 JOBS IN THIS RUN

PROPOSED IMPROVEMENTS

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

JOB TR-20                                          SUMMARY   NOPLOTS
TITLE 000 CAVE CREEK - ADMS HYDROLOGY
TITLE 000 WITH PROPOSED IMPROVEMENTS
 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
 2 XSECTN   006          1.0
 8                       1502.       0.0         0.0
 8                       1502.4      3.7         2.1
 8                       1502.8      13.3        5.1
 8                       1503.2      29.5        9.1
 8                       1503.6      53.4        14.1
 8                       1504.0      85.8        20.0
 8                       1504.4      100.7       30.8
 8                       1504.8      169.0       50.3
 8                       1505.2      289.0       78.5
 8                       1505.6      469.8       115.4
 8                       1506.0      470.9       161.1
 8                       1506.4      952.6       295.5
 8                       1506.8      1764.7      462.7
 8                       1507.2      2878.8      662.8
 8                       1507.6      4328.4      895.6
 8                       1508.0      6145.9      1161.3
 8                       1508.4      8331.5      1460.9
 8                       1508.8      10956.2     1795.8
 9 ENDTBL
 2 XSECTN   008          1.0
 8                       1494.0      0.0         0.0
 8                       1494.3      7.4         5.7
 8                       1494.6      23.9        12.0
 8                       1494.9      47.8        18.8
 8                       1495.2      78.9        26.3
 8                       1495.5      117.0       34.3
 8                       1495.8      162.2       42.9
 8                       1496.1      165.4       53.5
 8                       1496.4      175.4       84.2
 8                       1496.7      302.7       140.5
```

```
8                    1497.0      527.8       222.4
8                    1497.3      868.5       329.9
8                    1497.6      1343.8      463.0
8                    1497.9      1972.3      621.8
8                    1498.2      2837.4      803.3
8                    1498.5      3901.4      998.3
8                    1498.8      5131.8      1206.2
8                    1499.1      6532.4      1426.8
8                    1499.4      8107.5      1660.4
8                    1499.7      9861.7      1906.7
9 ENDTBL
2 XSECTN   014       1.0
8                    1484.0      0.0         0.0
8                    1484.3      4.5         3.5
8                    1484.6      14.6        7.4
8                    1484.9      29.3        11.7
8                    1485.2      48.4        16.4
8                    1485.5      72.0        21.6
8                    1485.8      100.0       27.1
8                    1486.1      132.3       33.0
8                    1486.4      168.7       39.4
8                    1486.7      210.3       46.4
8                    1487.0      257.3       53.8
8                    1487.3      309.9       61.7
8                    1487.6      368.3       70.1
8                    1487.9      432.9       78.9
8                    1488.2      460.0       95.4
8                    1488.5      490.0       142.0
8                    1488.8      520.2       220.5
8                    1489.1      843.7       330.9
8                    1489.4      1318.9      473.3
8                    1489.7      1968.4      647.5
9 ENDTBL
2 XSECTN   037       1.0
8                    1452.0      0.0         0.0
8                    1452.2      8.1         6.5
8                    1452.6      50.6        19.9
8                    1453.0      119.3       34.0
8                    1453.2      162.1       41.3
8                    1453.4      210.4       48.7
8                    1453.6      263.8       56.3
8                    1453.8      322.2       64.1
8                    1454.0      385.5       72.0
8                    1454.2      420.0       86.0
8                    1454.4      456.8       100.3
8                    1454.6      566.6       114.7
```

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

```
8                    1454.8      685.9       129.2
8                    1455.0      814.4       143.9
8                    1455.2      952.0       158.8
8                    1455.4      1098.3      173.9
8                    1455.6      1183.6      189.8
8                    1455.8      1357.3      206.7
8                    1456.0      1540.3      223.7
8                    1456.2      1740.2      240.7
9 ENDTBL
3 STRUCT      08
8                    1491.       0.0         0.0
8                    1491.4      5.69        6.04
8                    1491.8      23.91       12.15
8                    1492.2      53.41       18.33
8                    1492.6      91.92       24.59
8                    1493.       136.62      30.92
8                    1493.4      183.14      37.32
8                    1493.8      228.48      43.81
8                    1494.2      266.76      50.36
8                    1494.6      290.9       57.0
8                    1495.       345.42      63.71
8                    1495.4      399.94      70.49
8                    1495.8      431.99      77.36
8                    1496.2      461.81      84.3
8                    1496.6      489.83      91.32
8                    1497.       516.32      98.42
9 ENDTBL
3 STRUCT      33
8                    1459.0      0.0         0.0
8                    1459.4      2.28        4.39
8                    1459.8      9.38        8.85
8                    1460.2      21.34       13.37
8                    1460.6      34.86       17.95
8                    1461.0      48.94       22.59
8                    1461.4      61.93       27.29
8                    1461.8      68.09       32.06
8                    1462.2      94.67       36.89
8                    1462.6      105.22      41.79
8                    1463.0      114.8       46.75
8                    1463.4      123.65      51.77
8                    1463.8      131.9       56.87
8                    1464.2      139.66      62.02
8                    1464.6      147.02      67.25
8                    1465.0      154.02      72.54
8                    1465.4      160.72      77.89
9 ENDTBL
```

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

 3 STRUCT       37
 8                        1446.0       0.0          0.0
 8                        1448.0       0.1          2.58
 8                        1448.5       110.         3.52
 8                        1449.0       320.         4.45
 8                        1449.5       580.         5.38
 8                        1450.0       900.         6.32
 9 ENDTBL
 3 STRUCT       39
 8                        1413.        0.0          0.0
 8                        1413.4       33.58        8.04
 8                        1413.8       101.65       16.18
 8                        1414.2       191.12       24.39
 8                        1414.6       296.09       32.70
 8                        1415.0       412.96       41.10
 8                        1415.4       539.25       49.59
 8                        1415.8       673.17       58.16
 8                        1416.2       813.39       66.83
 8                        1416.6       958.87       75.59
 8                        1417.0       1108.82      84.43
 8                        1417.4       1262.58      93.37
 8                        1417.8       1419.63      102.41
 8                        1418.2       1579.53      111.53
 8                        1418.6       1741.94      120.75
 8                        1419.0       1906.54      130.06
 9 ENDTBL
 3 STRUCT       43
 8                        1435.0       0.0          0.0
 8                        1435.4       20.44        3.19
 8                        1435.8       61.86        6.43
 8                        1436.4       147.23       11.39
 8                        1437.0       251.32       16.48
 8                        1437.6       368.4        21.68
 8                        1438.2       495.01       27.01
 8                        1438.8       628.87       32.46
 8                        1439.4       768.38       38.04
 8                        1440.0       912.41       43.74
 8                        1440.6       1060.11      49.58
 8                        1441.2       1161.30      55.54
 8                        1441.8       1164.34      61.64
 8                        1442.4       1193.82      67.87
 8                        1443.0       1272.61      74.24
 8                        1443.6       1346.81      80.74
 8                        1444.2       1417.12      87.37
 9 ENDTBL
 3 STRUCT       59
```

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

 8                        1396.        0.0          0.0
 8                        1396.4       5.69         4.03
 8                        1396.8       23.91        8.12
 8                        1397.2       53.41        12.26
 8                        1397.6       91.92        16.47
 8                        1398.        136.62       20.74
 8                        1398.4       183.14       25.06
 8                        1398.8       228.48       29.45
 8                        1399.2       266.76       33.90
 8                        1399.6       290.9        38.41
 8                        1400         345.42       42.98
 8                        1400.4       399.94       47.61
 8                        1400.8       431.99       52.31
 8                        1401.2       461.81       57.07
 8                        1401.6       489.83       61.90
 8                        1402.0       516.32       66.78
 9 ENDTBL
 3 STRUCT       69
 8                        1382.0       0.0          0.0
 8                        1382.4       7.12         8.71
 8                        1382.8       29.89        17.51
 8                        1383.2       66.76        26.40
 8                        1383.6       114.9        35.38
 8                        1384.0       170.77       44.44
 8                        1384.4       228.92       53.60
 8                        1384.8       285.6        62.84
 8                        1385.2       333.45       72.18
 8                        1385.6       363.63       81.60
 8                        1386.0       431.78       91.12
 8                        1386.4       499.93       100.73
 8                        1386.8       539.98       110.43
 8                        1387.2       577.27       120.22
 8                        1387.6       612.29       130.11
 8                        1388.0       645.41       140.08
 9 ENDTBL
 6 RUNOFF 1 001        5 .148          95.          .3
 6 RUNOFF 1 002        6 .097          95.          .19
 6 REACH  3 003    5   7 1000.         .04          1.66
 6 REACH  3 003    6   5 1400.         .04          1.66
 6 ADDHYD 4 003    5 7 6
 6 RUNOFF 1 003        5 .047          77.          .36
 6 ADDHYD 4 003    5 6 7
 6 RUNOFF 1 006        5 .109          81.          .82
 6 REACH  3 006    7   6 1600.
 6 ADDHYD 4 006    5 6 7
 6 REACH  3 008    7   1 1600.
```

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

```
6 RUNOFF 1 007        5 .117        77.          .69
6 REACH  3 008   5    2 1400.
6 RUNOFF 1 019        5 .022        95.          .167
6 RUNOFF 1 004        6 .195        95.          .22
6 REACH  3 004   5    7 1800.       .05          1.66
6 ADDHYD 4 004   6 7 5
6 RUNOFF 1 005        6 .125        77.          .56
6 REACH  3 005   5    7 1400.       .05          1.66
6 ADDHYD 4 005   6 7 5
6 REACH  3 008   5    3 2100.
6 ADDHYD 4 008   1 2 4
6 ADDHYD 4 008   3 4 1
6 RUNOFF 1 018        5 .184        78.          .72
6 REACH  3 008   5    2 1900.       .04          1.66
6 ADDHYD 4 008   1 2 3
6 RUNOFF 1 008        5 .131        78.          .75
6 ADDHYD 4 008   3 5 1
6 RESVOR 2     08 1   3 1491.0
6 REACH  3 014   3    5 3000.       .17          1.47
6 RUNOFF 1 009        6 .066        79.          .93
6 REACH  3 014   6    7 2700.
6 ADDHYD 4 014   5 7 6
6 RUNOFF 1 010        4 .095        77.          .56
6 REACH  3 011   4    5 2640.       .44          1.54
6 RUNOFF 1 011        7 .234        79.          .84
6 ADDHYD 4 011   5 7 4
6 REACH  3 013   4    5 1320.       1.98         1.67
6 RUNOFF 1 013        7 .125        82.          .61
6 ADDHYD 4 013   5 7 4
6 RUNOFF 1 144        5 .132        79.          .93
6 REACH  3 014   5    7 2640.       2.1          1.4
6 ADDHYD 4 013   4 7 5
6 REACH  3 014   5    7 1320.       1.64         1.67
6 ADDHYD 4 014   6 7 5
6 RUNOFF 1 016        6 .119        86.          .54
6 REACH  3 015   6    7 1300.       .54          1.54
6 RUNOFF 1 015        6 .073        82.          .89
6 ADDHYD 4 015   6 7 4
6 ADDHYD 4 014   4 5 6
6 RUNOFF 1 014        5 .177        83.          .39
6 ADDHYD 4 014   5 6 4
6 REACH  3 027   4    7 3000.       .04          1.63
6 RUNOFF 1 027        5 .188        82           1.2
6 ADDHYD 4 027   5 7 6
6 RUNOFF 1 017        5 .059        95           .17
6 REACH  3 025   5    7 2200.       .05          1.66
```

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

 6 RUNOFF 1 025        5 .089        83.          .43
 6 ADDHYD 4 025   5 7 4
 6 REACH  3 027   4    5 1700.       .04          1.63
 6 ADDHYD 4 027   5 6 7
 6 RUNOFF 1 026        6 .067        85.          .31
 6 ADDHYD 4 027   6 7 5
 6 REACH  3 037   5    4 3000.
 6 RUNOFF 1 037        5 .125        83.          .25
 6 ADDHYD 4 037   4 5 6
 6 RESVOR 2     37 6   4 1446.0
 6 RUNOFF 1 024        5 .198        86.          .46
 6 REACH  3 037   5    6 2100.       .41          1.66
 6 ADDHYD 4 037   4 6 5
 6 RUNOFF 1 028        4 .156        82.          .93
 6 REACH  3 036   4    6 3500.       .06          1.66
 6 RUNOFF 1 036        4 .125        83.          .48
 6 ADDHYD 4 036   4 6 7
 6 RUNOFF 1 034        4 .125        84.          .73
 6 REACH  3 035   4    6 1320.       .31          1.54
 6 RUNOFF 1 035        4 .125        83.          .49
 6 ADDHYD 4 035   4 6 3
 6 REACH  3 036   3    4 1320.       4.48         1.25
 6 ADDHYD 4 036   4 7 6
 6 REACH  3 037   6    7 1320.       4.64         1.25
 6 ADDHYD 4 037   5 7 4
 6 RESVOR 2     43 4   6 1435.0
 6 RUNOFF 1 143        5 .0625       85.          .53
 6 ADDHYD 4 143   5 6 7
 6 REACH  3 039   7    6 1640.       .04          1.64
 6 RUNOFF 1 039        5 .0625       85.          .53
 6 ADDHYD 4 039   5 6 7
 6 RUNOFF 1 038        4 .125        85.          .44
 6 REACH  3 039   4    5 1320.       8.44         1.25
 6 ADDHYD 4 039   5 7 6
 6 REACH  3 085   6    7 1320.       .04          1.64
 6 RUNOFF 1 085        6 .063        84.          .52
 6 ADDHYD 4 085   6 7 5
 6 REACH  3 084   5    6 1320.       .04          1.64
 6 RUNOFF 1 084        5 .063        84.          .52
 6 ADDHYD 4 084   5 6 1
 6 RUNOFF 1 091        6 .125        86.          .47
 6 REACH  3 090   6    5 1320.       2.8          1.67
 6 RUNOFF 1 090        6 .109        85.          .63
 6 ADDHYD 4 090   5 6 4
 6 REACH  3 088   4    7 1320.       2.0          1.67
 6 RUNOFF 1 089        4 .047        84.          .39
```

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

```
6 REACH  3 088   4   5 2000.        .22          1.54
6 RUNOFF 1 088       4 .094         87.          .75
6 ADDHYD 4 088   4 5 6
6 ADDHYD 4 088   6 7 5
6 REACH  3 087   5   7 1320.        1.83         1.67
6 RUNOFF 1 086       4 .063         86.          .27
6 REACH  3 087   4   5 1320.        .44          1.54
6 ADDHYD 4 087   5 7 6
6 RUNOFF 1 087       5 .063         87.          .52
6 ADDHYD 4 087   5 6 7
6 REACH  3 084   7   6 1320.        1.16         1.67
6 ADDHYD 4 084   1 6 5
6 REACH  3 105   5   6 1320.        .04          1.64
6 RUNOFF 1 105       5 .063         78.          .63
6 ADDHYD 4 105   5 6 7
6 RUNOFF 1 101       4 .047         89.          .52
6 REACH  3 102   4   5 1320.        .02          1.66
6 RUNOFF 1 102       6 .063         82.          .63
6 ADDHYD 4 102   5 6 4
6 REACH  3 105   4   5 1320.        .02          1.66
6 ADDHYD 4 105   5 7 6
6 REACH  3 104   6   7 1500.        .04          1.64
6 RUNOFF 1 104       5 .069         78.          .67
6 ADDHYD 4 104   5 7 1
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
6 RUNOFF 1 030       5 .25          79.          .97
6 REACH  3 032   5   6 2000.        .040         1.66
6 RUNOFF 1 031       4 .084         83.          .58
6 REACH  3 032   4   5 3400.        .03          1.66
6 RUNOFF 1 032       3  18          80.          .93
6 ADDHYD 4 032   5 3 4
6 ADDHYD 4 032   4 6 5
6 REACH  3 033   5   6 2000.        .34          1.55
6 ADDHYD 4 033   6 7 5
6 RESVOR 2     33 5   7 1459.
6 REACH  3 093   7   6 2640.        5.49         1.25
6 RUNOFF 1 093       5 .195         84.          .45
6 ADDHYD 4 093   5 6 7
6 RUNOFF 1 094       4 .139         84.          .34
6 REACH  3 093   4   5 2000.        4.88         1.25
```

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

 6 ADDHYD 4 093   5 7 6
 6 REACH  3 092   6   7 2000.        1.38        1.67
 6 RUNOFF 1 092       5 .125         86.         .47
 6 ADDHYD 4 092   5 7 6
 6 REACH  3 097   6   7 2640.        .79         1.67
 6 RUNOFF 1 097       6 .188         87.         .53
 6 ADDHYD 4 097   6 7 4
 6 RUNOFF 1 095       5 .125         86.         .98
 6 REACH  3 096   5   6 1320.        .2          1.54
 6 RUNOFF 1 096       5 .125         82.         .51
 6 ADDHYD 4 096   5 6 7
 6 REACH  3 097   7   6 2000.        1.21        1.67
 6 ADDHYD 4 097   4 6 5
 6 REACH  3 098   5   6 800.         .80         1.58
 6 RUNOFF 1 098       5 .094         86.         .37
 6 ADDHYD 4 098   5 6 7
 6 REACH  3 099   7   6 1200.        .80         1.58
 6 RUNOFF 1 099       5 .094         86.         .49
 6 ADDHYD 4 099   5 6 7
 6 RUNOFF 1 141       4 .188         87.         .53
 6 REACH  3 140   4   5 1320.        .32         1.67
 6 RUNOFF 1 140       4 .125         86.         .44
 6 ADDHYD 4 140   4 5 6
 6 RUNOFF 1 137       4 .078         80.         .49
 6 ADDHYD 4 140   4 6 3
 6 REACH  3 139   3   5 2200.        .97         1.67
 6 RUNOFF 1 139       6 .188         87.         .43
 6 ADDHYD 4 139   5 6 4
 6 ADDHYD 4 139   4 7 6
 6 RUNOFF 1 136       4 .066         95.         .17
 6 REACH  3 138   4   5 3000.        .17         1.66
 6 RUNOFF 1 138       4 .203         84          .24
 6 ADDHYD 4 138   4 5 7
 6 REACH  3 139   7   5 2000.        .05         1.66
 6 ADDHYD 4 139   5 6 7
 6 RUNOFF 1 100       5 .078         86.         .39
 6 ADDHYD 4 139   5 7 6
 6 RESVOR 2     39 6   2 1413.0
 6 RUNOFF 1 129       5 .108         82.         .17
 6 RUNOFF 1 130       6 .031         91.         .17
 6 ADDHYD 4 129   5 6 7
 6 REACH  3 127   7   6 2500.        .08         1.66
 6 RUNOFF 1 128       4 .036         80.         .17
 6 REACH  3 127   4   5 2300.        .08         1.66
 6 ADDHYD 4 127   5 6 7
 6 RUNOFF 1 127       5 .159         82.         .21
```

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

```
6 ADDHYD 4 127   5 7 6
6 RUNOFF 1 132       4 .145        89.          .27
6 RUNOFF 1 133       5 .08         95.          .17
6 ADDHYD 4 132   4 5 7
6 REACH  3 131   7   5 2000.       .17          1.66
6 RUNOFF 1 131       4 .119        86.          .27
6 ADDHYD 4 131   4 5 7
6 ADDHYD 4 131   6 7 5
6 REACH  3 126   5   6 1500.       1.94         1.67
6 RUNOFF 1 126       5 .158        95.          .28
6 ADDHYD 4 126   5 6 7
6 REACH  3 134   7   6 1500.       1.07         1.67
6 RUNOFF 1 135       4 .042        95.          .17
6 REACH  3 134   4   5 3200.       .13          1.66
6 ADDHYD 4 134   5 6 7
6 RUNOFF 1 134       5 .197        85.          .31
6 ADDHYD 4 134   5 7 6
6 RUNOFF 1 125       5 .117        83.          .17
6 ADDHYD 4 134   5 6 7
6 REACH  3 124   7   6 2400.       .40          1.60
6 RUNOFF 1 124       5 .219        84.          .25
6 ADDHYD 4 124   5 6 7
6 REACH  3 124   2   5 900.        .96          1.51
6 ADDHYD 4 124   5 7 6
6 RUNOFF 1 103       5 .081        84.          .26
6 ADDHYD 4 124   5 6 7
6 REACH  3 104   7   6 1320.       .96          1.51
6 ADDHYD 4 104   1 6 5
6 REACH  3 107   5   6 1000.       .85          1.53
6 RUNOFF 1 107       5 .059        82.          .42
6 ADDHYD 4 107   5 6 7
6 RUNOFF 1 123       6 .213        95.          .25
6 ADDHYD 4 107   6 7 5
6 REACH  3 108   5   3 1700.       .85          1.53
6 RUNOFF 1 106       5 .063        79.          .56
6 REACH  3 108   5   6 700.        .08          1.66
6 RUNOFF 1 108       5 .025        83.          .28
6 ADDHYD 4 108   5 6 7
6 RUNOFF 1 109       5 .063        84.          .29
6 ADDHYD 4 108   5 7 6
6 ADDHYD 4 108   3 6 7
6 REACH  3 110   7   6 1320.       .85          1.53
6 RUNOFF 1 110       5 .073        78.          .56
6 ADDHYD 4 110   5 6 7
6 RUNOFF 1 122       6 .355        85.          .29
6 ADDHYD 4 110   6 7 5
```

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

 6 REACH  3 111    5    6 1320.        1.07          1.53
 6 RUNOFF 1 111         5 .07          77.           .56
 6 ADDHYD 4 111    5 6 7
 6 REACH  3 112    7    6 1320.        .04           1.63
 6 RUNOFF 1 112         5 .061         77.           .46
 6 ADDHYD 4 112    5 6 7
 6 RUNOFF 1 121         5 .25          95.           .17
 6 ADDHYD 4 112    5 7 1
 6 RUNOFF 1 049         5 .086         95.           .19
 6 REACH  3 048    5    6 1320.        .04           1.66
 6 RUNOFF 1 020         5 .064         95.           .17
 6 REACH  3 048    5    7 2640.        .04           1.66
 6 ADDHYD 4 048    6 7 5
 6 RUNOFF 1 048         6 .125         82.           .6
 6 ADDHYD 4 048    5 6 7
 6 REACH  3 056    7    6 1866.        .12           1.66
 6 RUNOFF 1 056         5 .063         82.           .25
 6 ADDHYD 4 056    5 6 7
 6 REACH  3 057    7    6 1320.        .76           1.58
 6 RUNOFF 1 057         5 .063         82.           .25
 6 ADDHYD 4 057    5 6 7
 6 RUNOFF 1 043         5 .047         90.           .17
 6 RUNOFF 1 021         6 .189         87.           .58
 6 ADDHYD 4 021    5 6 4
 6 REACH  3 046    4    5 2640.        3.10          1.67
 6 RUNOFF 1 047         3 .125         82.           .31
 6 REACH  3 046    3    4 1320.        .51           1.54
 6 RUNOFF 1 046         6 .125         82.           .29
 6 ADDHYD 4 046    4 6 3
 6 ADDHYD 4 046    3 5 6
 6 REACH  3 057    6    5 1320.        1.86          1.67
 6 ADDHYD 4 057    5 7 6
 6 REACH  3 059    6    4 1320.        .74           1.58
 6 RUNOFF 1 045         5 .125         90.           .51
 6 REACH  3 059    5    6 1400.        .11           1.66
 6 ADDHYD 4 059    4 6 7
 6 RUNOFF 1 059         5 .063         82.           .25
 6 ADDHYD 4 059    5 7 6
 6 RESVOR 2     59 6    7 1396.
 6 REACH  3 066    7    6 660.         3.44          1.67
 6 RUNOFF 1 066         5 .063         84.           .46
 6 ADDHYD 4 066    5 6 7
 6 REACH  3 067    7    6 1320.        1.42          1.67
 6 RUNOFF 1 067         5 .063         88.           .25
 6 ADDHYD 4 067    5 6 7
 6 RUNOFF 1 044         5 .125         87.           .3
```

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

 6 REACH  3 067    5   6 1320.        .25          1.54
 6 ADDHYD 4 067    6 7 5
 6 REACH  3 069    5   6 1320.        .38          1.67
 6 RUNOFF 1 069        5 .063         81.          .62
 6 ADDHYD 4 069    5 6 2
 6 RUNOFF 1 023        5 .091         95.          .23
 6 REACH  3 041    5   6 3000.        .24          1.66
 6 RUNOFF 1 022        5 .153         87.          .47
 6 REACH  3 041    5   7 2800.        .24          1.66
 6 ADDHYD 4 041    6 7 5
 6 RUNOFF 1 041        6 .172         84.          .38
 6 ADDHYD 4 041    5 6 7
 6 REACH  3 042    7   6 2500.        1.54         1.67
 6 RUNOFF 1 042        5 .078         87.          .22
 6 ADDHYD 4 042    5 6 7
 6 REACH  3 078    7   6 1320.        1.38         1.67
 6 RUNOFF 1 078        5 .063         86.          .27
 6 ADDHYD 4 078    5 6 4
 6 RUNOFF 1 040        5 .094         82.          .51
 6 REACH  3 082    5   6 1400.        .10          1.66
 6 RUNOFF 1 082        5 .063         84.          .27
 6 ADDHYD 4 082    5 6 7
 6 REACH  3 081    7   6 1320.        .22          1.54
 6 RUNOFF 1 081        5 .063         84.          .52
 6 ADDHYD 4 081    5 6 7
 6 REACH  3 078    7   6 1320.        .09          1.66
 6 ADDHYD 4 078    4 6 5
 6 REACH  3 077    5   6 1320.        .76          1.58
 6 RUNOFF 1 077        5 .063         86           .38
 6 ADDHYD 4 077    5 6 7
 6 ADDHYD 4 069    2 7 5
 6 RESVOR 2     69 5   6 1382.
 6 REACH  3 075    6   2 520.         1.38         1.67
 6 RUNOFF 1 083        5 .063         85.          .52
 6 REACH  3 080    5   6 1320.        .23          1.54
 6 RUNOFF 1 080        5 .063         82.          .45
 6 ADDHYD 4 080    5 6 7
 6 REACH  3 079    7   6 1320         .23          1.54
 6 RUNOFF 1 079        5 .063         88.          .25
 6 ADDHYD 4 079    5 6 7
 6 REACH  3 076    7   6 1320.        7.96         1.25
 6 RUNOFF 1 076        5 .063         86.          .25
 6 ADDHYD 4 076    5 6 7
 6 REACH  3 075    7   6 1320.        5.71         1.25
 6 ADDHYD 4 075    2 6 5
 6 RUNOFF 1 075        6 .063         95.          .52
```

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

```
6 ADDHYD 4 075   5 6 7
6 REACH  3 112   7   6 1320        .38         1.67
6 ADDHYD 4 112   1 6 2
6 REACH  3 113   2   5 1320.       .04         1.63
6 RUNOFF 1 113       6 .053       91.          .52
6 ADDHYD 4 113   5 6 7
6 RUNOFF 1 120       5 .231       87.          .30
6 ADDHYD 4 113   5 7 1
6 RUNOFF 1 058       5 .063       84.          .25
6 REACH  3 060   5   6 1320.      .25         1.54
6 RUNOFF 1 060       5 .063       81.          .49
6 ADDHYD 4 060   5 6 7
6 REACH  3 065   7   6 1320.      .28         1.54
6 RUNOFF 1 065       5 .047       82.          .49
6 ADDHYD 4 065   5 6 7
6 REACH  3 068   7   6 1320       6.72        1.25
6 RUNOFF 1 068       5 .063       85.          .25
6 ADDHYD 4 068   5 6 7
6 REACH  3 070   7   6 1320.      7.05        1.25
6 RUNOFF 1 070       5 .063       86.          .25
6 ADDHYD 4 070   5 6 7
6 REACH  3 074   7   6 1320.      6.01        1.25
6 RUNOFF 1 074       5 .063       90.          .24
6 ADDHYD 4 074   5 6 7
6 REACH  3 113   7   6 1320.      5.93        1.25
6 ADDHYD 4 113   1 6 2
6 REACH  3 114   2   1 3000.      .04         1.63
6 RUNOFF 1 064       5 .25        82.          .33
6 REACH  3 072   5   6 2640.      .18         1.54
6 RUNOFF 1 072       5 .125       83.          .49
6 ADDHYD 4 072   5 6 7
6 REACH  3 114   7   6 2000.      .05         1.66
6 RUNOFF 1 115       5 .094       82.          .45
6 ADDHYD 4 114   5 6 7
6 RUNOFF 1 071       5 .125       83.          .49
6 REACH  3 114   5   6 2200.      .05         1.66
6 ADDHYD 4 114   6 7 5
6 RUNOFF 1 114       6 .128       85.         1.19
6 ADDHYD 4 114   5 6 7
6 ADDHYD 4 114   1 7 5
6 RUNOFF 1 119       6 .231       84.         1.05
6 ADDHYD 4 114   5 6 7
6 REACH  3 118   7   6 4000.      .05         1.66
6 RUNOFF 1 118       5 .231       81.         1.59
6 ADDHYD 4 118   5 6 7
6 RUNOFF 1 050       4 .134       77.          .57
```

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

 6 REACH  3 052   4   5 1500.        .03         1.66
 6 RUNOFF 1 052       6 .063         81.         .56
 6 ADDHYD 4 052   5 6 4
 6 REACH  3 055   4   5 1320.        .09         1.66
 6 RUNOFF 1 055       4 .063         83.         .25
 6 ADDHYD 4 055   4 5 6
 6 RUNOFF 1 051       4 .063         83.         .18
 6 REACH  3 055   4   5 1867.        .09         1.66
 6 ADDHYD 4 055   5 6 4
 6 REACH  3 053   4   5 1200.        .09         1.66
 6 RUNOFF 1 053       4 .084         84.         .31
 6 ADDHYD 4 053   4 5 6
 6 REACH  3 061   6   5 2100.        .11         1.66
 6 RUNOFF 1 061       4 .102         83.         .25
 6 ADDHYD 4 061   4 5 6
 6 REACH  3 062   6   5 2000.        .08         1.62
 6 RUNOFF 1 062       4 .13          82.         .88
 6 ADDHYD 4 062   4 5 6
   ENDATA
 7 INCREM 6             .08
 7 COMPUT 7 001   062               2.53        24.         1 2  01  01
   ENDCMP 1
 7 COMPUT 7 001   062               3.57        24.         1 2  01  02
   ENDCMP 1
 7 COMPUT 7 001   062               4.04        24.         1 2  01  03
   ENDCMP 1
 7 COMPUT 7 001   062               5.07        24          1 2  01  04
   ENDCMP 1
   ENDJOB 2

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

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	1	RUNOFF	.15	1	2	.08	.0	2.53	24.00	1.98	---	12.45	149.82	1012.3
XSECTION	2	RUNOFF	.10	1	2	.08	.0	2.53	24.00	1.99	---	12.44	100.45	1035.5
XSECTION	3	REACH	.15	1	2	.08	.0	2.53	24.00	1.98	---	12.66	145.14	980.7
XSECTION	3	REACH	.10	1	2	.08	.0	2.53	24.00	1.97	---	12.72	92.53	954.0
XSECTION	3	ADDHYD	.25	1	2	.08	.0	2.53	24.00	1.98	---	12.68	238.07	971.7
XSECTION	3	RUNOFF	.05	1	2	.08	.0	2.53	24.00	.75	---	12.54	22.94	488.1
XSECTION	3	ADDHYD	.29	1	2	.08	.0	2.53	24.00	1.78	---	12.63	255.59	875.3
XSECTION	6	RUNOFF	.11	1	2	.08	.0	2.53	24.00	.95	---	12.74	48.43	444.3
XSECTION	6	REACH	.29	1	2	.08	.0	2.53	24.00	1.78	1505.08	12.76	252.12	863.4
XSECTION	6	ADDHYD	.40	1	2	.08	.0	2.53	24.00	1.55	1505.23	12.76	300.45	749.2
XSECTION	8	REACH	.40	1	2	.08	.0	2.53	24.00	1.55	1496.66	12.92	285.81	717.7
XSECTION	7	RUNOFF	.12	1	2	.08	.0	2.53	24.00	.75	---	12.69	44.80	382.9
XSECTION	8	REACH	.12	1	2	.08	.0	2.53	24.00	.75	1494.84	12.82	43.28	369.9
XSECTION	19	RUNOFF	.02	1	2	.08	.0	2.53	24.00	1.99	---	12.44	22.96	1043.8
XSECTION	4	RUNOFF	.19	1	2	.08	.0	2.53	24.00	1.99	---	12.44	200.22	1026.8
XSECTION	4	REACH	.02	1	2	.08	.0	2.53	24.00	1.96	---	13.00	17.70	804.5
XSECTION	4	ADDHYD	.22	1	2	.08	.0	2.53	24.00	1.98	---	12.45	210.49	970.0
XSECTION	5	RUNOFF	.13	1	2	.08	.0	2.53	24.00	.75	---	12.62	52.47	419.7
XSECTION	5	REACH	.22	1	2	.08	.0	2.53	24.00	1.98	---	12.64	201.41	928.2
XSECTION	5	ADDHYD	.34	1	2	.08	.0	2.53	24.00	1.53	---	12.63	253.80	742.1
XSECTION	8	REACH	.34	1	2	.08	.0	2.53	24.00	1.52	1496.54	12.87	234.64	686.1
XSECTION	8	ADDHYD	.52	1	2	.08	.0	2.53	24.00	1.37	1496.73	12.90	327.15	631.6
XSECTION	8	ADDHYD	.86	1	2	.08	.0	2.53	24.00	1.43	1497.03	12.88	561.34	652.7
XSECTION	18	RUNOFF	.18	1	2	.08	.0	2.53	24.00	.80	---	12.70	73.81	401.1
XSECTION	8	REACH	.18	1	2	.08	.0	2.53	24.00	.79	1494.97	13.16	55.14	299.7
XSECTION	8	ADDHYD	1.04	1	2	.08	.0	2.53	24.00	1.32	1497.07	12.90	606.28	580.7
XSECTION	8	RUNOFF	.13	1	2	.08	.0	2.53	24.00	.80	---	12.71	50.85	388.2
XSECTION	8	ADDHYD	1.18	1	2	.08	.0	2.53	24.00	1.26	1497.11	12.89	650.56	553.7
STRUCTURE	8	RESVOR	1.18	1	2	.08	.0	2.53	24.00	1.10	1493.76	13.58	224.05	190.7
XSECTION	14	REACH	1.18	1	2	.08	.0	2.53	24.00	1.09	1486.69	14.04	208.45	177.4
XSECTION	9	RUNOFF	.07	1	2	.08	.0	2.53	24.00	.84	---	12.81	24.37	369.2
XSECTION	14	REACH	.07	1	2	.08	.0	2.53	24.00	.84	1484.75	13.04	22.10	334.9

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 1													
XSECTION 14	ADDHYD	1.24	1	2	.08	.0	2.53	24.00	1.07	1486.73	13.99	214.82	173.1
XSECTION 10	RUNOFF	.09	1	2	.08	.0	2.53	24.00	.75	---	12.62	39.88	419.7
XSECTION 11	REACH	.09	1	2	.08	.0	2.53	24.00	.75	---	12.89	34.24	360.4
XSECTION 11	RUNOFF	.23	1	2	.08	.0	2.53	24.00	.85	---	12.76	91.85	392.5
XSECTION 11	ADDHYD	.33	1	2	.08	.0	2.53	24.00	.82	---	12.80	124.19	377.5
XSECTION 13	REACH	.33	1	2	.08	.0	2.53	24.00	.82	---	12.80	124.19	377.5
XSECTION 13	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.01	---	12.62	66.41	531.3
XSECTION 13	ADDHYD	.45	1	2	.08	.0	2.53	24.00	.87	---	12.73	184.21	405.8
XSECTION 144	RUNOFF	.13	1	2	.08	.0	2.53	24.00	.84	---	12.81	48.73	369.2
XSECTION 14	REACH	.13	1	2	.08	.0	2.53	24.00	.84	1485.18	12.95	47.43	359.3
XSECTION 13	ADDHYD	.59	1	2	.08	.0	2.53	24.00	.86	---	12.76	225.34	384.5
XSECTION 14	REACH	.59	1	2	.08	.0	2.53	24.00	.86	1486.80	12.76	225.34	384.5
XSECTION 14	ADDHYD	1.83	1	2	.08	.0	2.53	24.00	1.01	1487.14	12.92	281.11	153.9
XSECTION 16	RUNOFF	.12	1	2	.08	.0	2.53	24.00	1.26	---	12.57	79.99	672.2
XSECTION 15	REACH	.12	1	2	.08	.0	2.53	24.00	1.25	---	12.68	78.79	662.1
XSECTION 15	RUNOFF	.07	1	2	.08	.0	2.53	24.00	1.01	---	12.77	32.88	450.4
XSECTION 15	ADDHYD	.19	1	2	.08	.0	2.53	24.00	1.16	---	12.70	111.06	578.4
XSECTION 14	ADDHYD	2.02	1	2	.08	.0	2.53	24.00	1.02	1487.66	12.81	381.59	189.0
XSECTION 14	RUNOFF	.18	1	2	.08	.0	2.53	24.00	1.07	---	12.53	113.69	642.3
XSECTION 14	ADDHYD	2.20	1	2	.08	.0	2.53	24.00	1.03	1488.16	12.68	456.80	208.0
XSECTION 27	REACH	2.20	1	2	.08	.0	2.53	24.00	1.02	---	13.05	377.48	171.9
XSECTION 27	RUNOFF	.19	1	2	.08	.0	2.53	24.00	1.00	---	12.96	71.15	378.4
XSECTION 27	ADDHYD	2.38	1	2	.08	.0	2.53	24.00	1.02	---	13.02	447.63	187.8
XSECTION 17	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.99	---	12.44	61.52	1042.6
XSECTION 25	REACH	.06	1	2	.08	.0	2.53	24.00	1.97	---	12.99	50.39	854.0
XSECTION 25	RUNOFF	.09	1	2	.08	.0	2.53	24.00	1.07	---	12.54	55.78	626.8
XSECTION 25	ADDHYD	.15	1	2	.08	.0	2.53	24.00	1.43	---	12.59	92.92	627.8
XSECTION 27	REACH	.15	1	2	.08	.0	2.53	24.00	1.42	---	12.98	72.84	492.2
XSECTION 27	ADDHYD	2.53	1	2	.08	.0	2.53	24.00	1.04	---	13.02	520.23	205.5
XSECTION 26	RUNOFF	.07	1	2	.08	.0	2.53	24.00	1.20	---	12.49	48.39	722.3
XSECTION 27	ADDHYD	2.60	1	2	.08	.0	2.53	24.00	1.04	---	13.00	527.19	202.8
XSECTION 37	REACH	2.60	1	2	.08	.0	2.53	24.00	1.04	1454.51	13.18	518.06	199.3
XSECTION 37	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.07	---	12.47	85.78	687.3
XSECTION 37	ADDHYD	2.72	1	2	.08	.0	2.53	24.00	1.04	1454.52	13.16	525.34	192.9
STRUCTURE 37	RESVOR	2.72	1	2	.08	.0	2.53	24.00	1.02	1449.39	13.21	524.41	192.5
XSECTION 24	RUNOFF	.20	1	2	.08	.0	2.53	24.00	1.26	---	12.54	139.24	703.2

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 1													
XSECTION 37	REACH	.20	1	2	.08	.0	2.53	24.00	1.26	1453.08	12.65	136.34	688.6
XSECTION 37	ADDHYD	2.92	1	2	.08	.0	2.53	24.00	1.04	1454.59	13.08	563.17	192.7
XSECTION 28	RUNOFF	.16	1	2	.08	.0	2.53	24.00	1.01	---	12.80	68.66	440.1
XSECTION 36	REACH	.16	1	2	.08	.0	2.53	24.00	.99	---	13.46	47.25	302.9
XSECTION 36	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.07	---	12.56	76.12	608.9
XSECTION 36	ADDHYD	.28	1	2	.08	.0	2.53	24.00	1.03	---	12.60	85.62	304.7
XSECTION 34	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.13	---	12.67	68.82	550.6
XSECTION 35	REACH	.13	1	2	.08	.0	2.53	24.00	1.12	---	12.81	66.44	531.5
XSECTION 35	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.07	---	12.56	75.62	605.0
XSECTION 35	ADDHYD	.25	1	2	.08	.0	2.53	24.00	1.10	---	12.63	133.11	532.4
XSECTION 36	REACH	.25	1	2	.08	.0	2.53	24.00	1.10	---	12.63	133.11	532.4
XSECTION 36	ADDHYD	.53	1	2	.08	.0	2.53	24.00	1.06	---	12.62	218.50	411.5
XSECTION 37	REACH	.53	1	2	.08	.0	2.53	24.00	1.06	1453.43	12.62	218.50	411.5
XSECTION 37	ADDHYD	3.45	1	2	.08	.0	2.53	24.00	1.04	1454.88	12.74	736.48	213.3
STRUCTURE 43	RESVOR	3.45	1	2	.08	.0	2.53	24.00	1.01	1438.64	13.48	593.57	171.9
XSECTION 143	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.19	---	12.57	40.41	646.6
XSECTION 143	ADDHYD	3.52	1	2	.08	.0	2.53	24.00	1.02	---	13.47	598.37	170.2
XSECTION 39	REACH	3.52	1	2	.08	.0	2.53	24.00	1.01	---	13.69	590.08	167.9
XSECTION 39	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.19	---	12.57	40.41	646.6
XSECTION 39	ADDHYD	3.58	1	2	.08	.0	2.53	24.00	1.02	---	13.68	593.63	165.9
XSECTION 38	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.19	---	12.54	85.27	682.1
XSECTION 39	REACH	.13	1	2	.08	.0	2.53	24.00	1.19	---	12.54	85.27	682.1
XSECTION 39	ADDHYD	3.70	1	2	.08	.0	2.53	24.00	1.02	---	13.67	599.83	162.0
XSECTION 85	REACH	3.70	1	2	.08	.0	2.53	24.00	1.02	---	13.84	595.06	160.7
XSECTION 85	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.13	---	12.57	39.31	624.0
XSECTION 85	ADDHYD	3.77	1	2	.08	.0	2.53	24.00	1.02	---	13.84	597.82	158.7
XSECTION 84	REACH	3.77	1	2	.08	.0	2.53	24.00	1.02	---	14.02	593.33	157.5
XSECTION 84	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.13	---	12.57	39.31	624.0
XSECTION 84	ADDHYD	3.83	1	2	.08	.0	2.53	24.00	1.02	---	14.01	595.63	155.6
XSECTION 91	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.26	---	12.54	87.51	700.1
XSECTION 90	REACH	.13	1	2	.08	.0	2.53	24.00	1.26	---	12.54	87.51	700.1
XSECTION 90	RUNOFF	.11	1	2	.08	.0	2.53	24.00	1.19	---	12.61	66.45	609.6
XSECTION 90	ADDHYD	.23	1	2	.08	.0	2.53	24.00	1.23	---	12.57	153.03	654.0
XSECTION 88	REACH	.23	1	2	.08	.0	2.53	24.00	1.23	---	12.57	153.03	654.0
XSECTION 89	RUNOFF	.05	1	2	.08	.0	2.53	24.00	1.13	---	12.53	31.57	671.6
XSECTION 88	REACH	.05	1	2	.08	.0	2.53	24.00	1.12	---	12.87	26.20	557.4

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 88	RUNOFF	.09	1	2	.08	.0	2.53	24.00	1.32	---	12.66	59.09	628.7
XSECTION 88	ADDHYD	.14	1	2	.08	.0	2.53	24.00	1.26	---	12.73	82.19	582.9
XSECTION 88	ADDHYD	.38	1	2	.08	.0	2.53	24.00	1.24	---	12.60	230.80	615.5
XSECTION 87	REACH	.38	1	2	.08	.0	2.53	24.00	1.24	---	12.60	230.80	615.5
XSECTION 86	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.26	---	12.47	48.06	762.9
XSECTION 87	REACH	.06	1	2	.08	.0	2.53	24.00	1.26	---	12.59	46.52	736.4
XSECTION 87	ADDHYD	.44	1	2	.08	.0	2.53	24.00	1.24	---	12.60	277.78	634.2
XSECTION 87	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.33	---	12.56	45.03	714.7
XSECTION 87	ADDHYD	.50	1	2	.08	.0	2.53	24.00	1.25	---	12.59	321.65	642.0
XSECTION 84	REACH	.50	1	2	.08	.0	2.53	24.00	1.25	---	12.59	321.65	642.0
XSECTION 84	ADDHYD	4.33	1	2	.08	.0	2.53	24.00	1.04	---	13.96	619.48	143.1
XSECTION 105	REACH	4.33	1	2	.08	.0	2.53	24.00	1.04	---	14.13	616.02	142.3
XSECTION 105	RUNOFF	.06	1	2	.08	.0	2.53	24.00	.80	---	12.64	26.47	420.2
XSECTION 105	ADDHYD	4.39	1	2	.08	.0	2.53	24.00	1.04	---	14.13	618.02	140.7
XSECTION 101	RUNOFF	.05	1	2	.08	.0	2.53	24.00	1.47	---	12.55	36.53	777.3
XSECTION 102	REACH	.05	1	2	.08	.0	2.53	24.00	1.45	---	13.08	25.39	540.2
XSECTION 102	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.01	---	12.63	33.03	524.3
XSECTION 102	ADDHYD	.11	1	2	.08	.0	2.53	24.00	1.20	---	12.73	49.92	453.8
XSECTION 105	REACH	.11	1	2	.08	.0	2.53	24.00	1.19	---	13.17	37.66	342.4
XSECTION 105	ADDHYD	4.50	1	2	.08	.0	2.53	24.00	1.04	---	14.08	639.46	142.0
XSECTION 104	REACH	4.50	1	2	.08	.0	2.53	24.00	1.04	---	14.26	635.59	141.1
XSECTION 104	RUNOFF	.07	1	2	.08	.0	2.53	24.00	.80	---	12.67	28.35	410.9
XSECTION 104	ADDHYD	4.57	1	2	.08	.0	2.53	24.00	1.03	---	14.26	637.71	139.5
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	.25	1	2	.08	.0	2.53	24.00	.84	---	12.84	89.50	358.0
XSECTION 32	REACH	.25	1	2	.08	.0	2.53	24.00	.84	---	13.18	71.05	284.2
XSECTION 31	RUNOFF	.08	1	2	.08	.0	2.53	24.00	1.07	---	12.60	47.88	570.0
XSECTION 32	REACH	.03	1	2	.08	.0	2.53	24.00	1.03	---	13.81	18.81	223.9
XSECTION 32	RUNOFF	.18	1	2	.08	.0	2.53	24.00	.90	---	12.81	70.58	392.1
XSECTION 32	ADDHYD	.26	1	2	.08	.0	2.53	24.00	.94	---	12.83	72.72	275.5

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 32	ADDHYD	.51	1	2	.08	.0	2.53	24.00	.89	---	13.00	134.83	262.3
XSECTION 33	REACH	.51	1	2	.08	.0	2.53	24.00	.89	---	13.17	131.42	255.7
XSECTION 33	ADDHYD	1.07	1	2	.08	.0	2.53	24.00	.91	---	13.03	304.43	285.1
STRUCTURE 33	RESVOR	1.07	1	2	.08	.0	2.53	24.00	.68	1461.60	14.84	65.07	60.9
XSECTION 93	REACH	1.07	1	2	.08	.0	2.53	24.00	.68	---	14.95	65.06	60.9
XSECTION 93	RUNOFF	.19	1	2	.08	.0	2.53	24.00	1.13	---	12.54	126.61	649.3
XSECTION 93	ADDHYD	1.26	1	2	.08	.0	2.53	24.00	.75	---	12.55	127.83	101.2
XSECTION 94	RUNOFF	.14	1	2	.08	.0	2.53	24.00	1.13	---	12.51	94.72	681.5
XSECTION 93	REACH	.14	1	2	.08	.0	2.53	24.00	1.13	---	12.60	95.34	685.9
XSECTION 93	ADDHYD	1.40	1	2	.08	.0	2.53	24.00	.79	---	12.56	221.36	157.9
XSECTION 92	REACH	1.40	1	2	.08	.0	2.53	24.00	.79	---	12.56	221.36	157.9
XSECTION 92	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.26	---	12.54	87.51	700.1
XSECTION 92	ADDHYD	1.53	1	2	.08	.0	2.53	24.00	.83	---	12.56	308.70	207.2
XSECTION 97	REACH	1.53	1	2	.08	.0	2.53	24.00	.82	---	12.65	307.24	201.2
XSECTION 97	RUNOFF	.19	1	2	.08	.0	2.53	24.00	1.33	---	12.56	132.96	707.3
XSECTION 97	ADDHYD	1.71	1	2	.08	.0	2.53	24.00	.88	---	12.62	437.46	255.1
XSECTION 95	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.25	---	12.80	66.12	529.0
XSECTION 96	REACH	.13	1	2	.08	.0	2.53	24.00	1.25	---	12.98	62.88	503.1
XSECTION 96	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.01	---	12.58	70.81	566.5
XSECTION 96	ADDHYD	.25	1	2	.08	.0	2.53	24.00	1.13	---	12.66	117.09	468.3
XSECTION 97	REACH	.25	1	2	.08	.0	2.53	24.00	1.13	---	12.74	116.91	467.6
XSECTION 97	ADDHYD	1.96	1	2	.08	.0	2.53	24.00	.91	---	12.64	547.93	278.8
XSECTION 98	REACH	1.96	1	2	.08	.0	2.53	24.00	.91	---	12.64	547.93	278.8
XSECTION 98	RUNOFF	.09	1	2	.08	.0	2.53	24.00	1.26	---	12.51	68.89	732.8
XSECTION 98	ADDHYD	2.06	1	2	.08	.0	2.53	24.00	.93	---	12.62	609.38	296.0
XSECTION 99	REACH	2.06	1	2	.08	.0	2.53	24.00	.93	---	12.62	609.38	296.0
XSECTION 99	RUNOFF	.09	1	2	.08	.0	2.53	24.00	1.26	---	12.55	65.28	694.5
XSECTION 99	ADDHYD	2.15	1	2	.08	.0	2.53	24.00	.94	---	12.61	673.29	312.7
XSECTION 141	RUNOFF	.19	1	2	.08	.0	2.53	24.00	1.33	---	12.56	132.96	707.3
XSECTION 140	REACH	.19	1	2	.08	.0	2.53	24.00	1.32	---	12.66	131.89	701.5
XSECTION 140	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.26	---	12.53	89.04	712.3
XSECTION 140	ADDHYD	.31	1	2	.08	.0	2.53	24.00	1.30	---	12.59	216.37	691.3
XSECTION 137	RUNOFF	.08	1	2	.08	.0	2.53	24.00	.90	---	12.57	40.60	520.6
XSECTION 140	ADDHYD	.39	1	2	.08	.0	2.53	24.00	1.22	---	12.58	256.93	657.1
XSECTION 139	REACH	.39	1	2	.08	.0	2.53	24.00	1.22	---	12.67	256.90	657.0
XSECTION 139	RUNOFF	.19	1	2	.08	.0	2.53	24.00	1.33	---	12.53	140.34	746.5

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 SIDEN 1													
XSECTION 139	ADDHYD	.58	1	2	.08	.0	2.53	24.00	1.25	---	12.60	387.42	669.1
XSECTION 139	ADDHYD	2.73	1	2	.08	.0	2.53	24.00	1.01	---	12.61	1060.57	388.2
XSECTION 136	RUNOFF	.07	1	2	.08	.0	2.53	24.00	1.99	---	12.44	68.81	1042.6
XSECTION 138	REACH	.07	1	2	.08	.0	2.53	24.00	1.97	---	12.71	62.88	952.7
XSECTION 138	RUNOFF	.20	1	2	.08	.0	2.53	24.00	1.13	---	12.47	145.60	717.3
XSECTION 138	ADDHYD	.27	1	2	.08	.0	2.53	24.00	1.34	---	12.48	202.63	753.3
XSECTION 139	REACH	.27	1	2	.08	.0	2.53	24.00	1.33	---	12.72	175.76	653.4
XSECTION 139	ADDHYD	3.00	1	2	.08	.0	2.53	24.00	1.04	---	12.62	1225.48	408.4
XSECTION 100	RUNOFF	.08	1	2	.08	.0	2.53	24.00	1.26	---	12.52	57.05	731.4
XSECTION 139	ADDHYD	3.08	1	2	.08	.0	2.53	24.00	1.04	---	12.61	1278.37	415.2
STRUCTURE 39	RESVOR	3.08	1	2	.08	.0	2.53	24.00	.98	1415.75	12.99	657.81	213.6
XSECTION 129	RUNOFF	.11	1	2	.08	.0	2.53	24.00	1.02	---	12.45	74.30	688.0
XSECTION 130	RUNOFF	.03	1	2	.08	.0	2.53	24.00	1.63	---	12.45	29.28	944.5
XSECTION 129	ADDHYD	.14	1	2	.08	.0	2.53	24.00	1.15	---	12.45	103.55	745.0
XSECTION 127	REACH	.14	1	2	.08	.0	2.53	24.00	1.14	---	12.84	84.14	605.3
XSECTION 128	RUNOFF	.04	1	2	.08	.0	2.53	24.00	.91	---	12.46	22.74	631.6
XSECTION 127	REACH	.04	1	2	.08	.0	2.53	24.00	.89	---	13.03	14.53	403.7
XSECTION 127	ADDHYD	.17	1	2	.08	.0	2.53	24.00	1.09	---	12.85	96.42	551.0
XSECTION 127	RUNOFF	.16	1	2	.08	.0	2.53	24.00	1.02	---	12.46	106.50	669.8
XSECTION 127	ADDHYD	.33	1	2	.08	.0	2.53	24.00	1.06	---	12.51	169.12	506.4
XSECTION 132	RUNOFF	.14	1	2	.08	.0	2.53	24.00	1.47	---	12.46	123.49	851.6
XSECTION 133	RUNOFF	.08	1	2	.08	.0	2.53	24.00	1.99	---	12.44	83.41	1042.6
XSECTION 132	ADDHYD	.22	1	2	.08	.0	2.53	24.00	1.66	---	12.45	206.63	918.4
XSECTION 131	REACH	.22	1	2	.08	.0	2.53	24.00	1.65	---	12.55	200.34	890.4
XSECTION 131	RUNOFF	.12	1	2	.08	.0	2.53	24.00	1.26	---	12.47	90.78	762.9
XSECTION 131	ADDHYD	.34	1	2	.08	.0	2.53	24.00	1.52	---	12.52	290.37	844.1
XSECTION 131	ADDHYD	.68	1	2	.08	.0	2.53	24.00	1.29	---	12.51	456.43	673.2
XSECTION 126	REACH	.68	1	2	.08	.0	2.53	24.00	1.29	---	12.51	456.43	673.2
XSECTION 126	RUNOFF	.16	1	2	.08	.0	2.53	24.00	1.98	---	12.45	160.33	1014.8
XSECTION 126	ADDHYD	.84	1	2	.08	.0	2.53	24.00	1.42	---	12.49	613.97	734.4
XSECTION 134	REACH	.84	1	2	.08	.0	2.53	24.00	1.42	---	12.49	613.97	734.4
XSECTION 135	RUNOFF	.04	1	2	.08	.0	2.53	24.00	1.99	---	12.44	43.79	1042.6
XSECTION 134	REACH	.04	1	2	.08	.0	2.53	24.00	1.97	---	12.90	36.57	870.7
XSECTION 134	ADDHYD	.88	1	2	.08	.0	2.53	24.00	1.45	---	12.50	641.54	730.7
XSECTION 134	RUNOFF	.20	1	2	.08	.0	2.53	24.00	1.20	---	12.49	142.29	722.3
XSECTION 134	ADDHYD	1.07	1	2	.08	.0	2.53	24.00	1.40	---	12.50	783.83	729.1

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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 125	RUNOFF	.12	1	2	.08	.0	2.53	24.00	1.08	---	12.45	83.83	716.5
XSECTION 134	ADDHYD	1.19	1	2	.08	.0	2.53	24.00	1.37	---	12.49	865.63	726.2
XSECTION 124	REACH	1.19	1	2	.08	.0	2.53	24.00	1.37	---	12.58	857.68	719.5
XSECTION 124	RUNOFF	.22	1	2	.08	.0	2.53	24.00	1.13	---	12.47	155.75	711.2
XSECTION 124	ADDHYD	1.41	1	2	.08	.0	2.53	24.00	1.33	---	12.55	1003.84	711.4
XSECTION 124	REACH	3.08	1	2	.08	.0	2.53	24.00	.98	---	12.99	657.81	213.6
XSECTION 124	ADDHYD	4.49	1	2	.08	.0	2.53	24.00	1.09	---	12.61	1428.79	318.2
XSECTION 103	RUNOFF	.08	1	2	.08	.0	2.53	24.00	1.13	---	12.48	57.51	710.1
XSECTION 124	ADDHYD	4.57	1	2	.08	.0	2.53	24.00	1.09	---	12.60	1474.12	322.5
XSECTION 104	REACH	4.57	1	2	.08	.0	2.53	24.00	1.09	---	12.60	1474.12	322.5
XSECTION 104	ADDHYD	9.14	1	2	.08	.0	2.53	24.00	1.06	---	12.64	1881.81	205.8
XSECTION 107	REACH	9.14	1	2	.08	.0	2.53	24.00	1.06	---	12.64	1881.81	205.8
XSECTION 107	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.01	---	12.54	35.46	601.0
XSECTION 107	ADDHYD	9.20	1	2	.08	.0	2.53	24.00	1.06	---	12.64	1914.81	208.1
XSECTION 123	RUNOFF	.21	1	2	.08	.0	2.53	24.00	1.99	---	12.44	217.28	1020.1
XSECTION 107	ADDHYD	9.41	1	2	.08	.0	2.53	24.00	1.08	---	12.60	2069.16	219.8
XSECTION 108	REACH	9.41	1	2	.08	.0	2.53	24.00	1.08	---	12.60	2069.16	219.8
XSECTION 106	RUNOFF	.06	1	2	.08	.0	2.53	24.00	.85	---	12.61	29.64	470.5
XSECTION 108	REACH	.06	1	2	.08	.0	2.53	24.00	.84	---	12.84	27.67	439.2
XSECTION 108	RUNOFF	.03	1	2	.08	.0	2.53	24.00	1.07	---	12.48	16.80	671.9
XSECTION 108	ADDHYD	.09	1	2	.08	.0	2.53	24.00	.91	---	12.58	36.39	413.5
XSECTION 109	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.13	---	12.49	43.97	697.9
XSECTION 108	ADDHYD	.15	1	2	.08	.0	2.53	24.00	1.00	---	12.53	79.71	527.9
XSECTION 108	ADDHYD	9.57	1	2	.08	.0	2.53	24.00	1.08	---	12.59	2144.73	224.2
XSECTION 110	REACH	9.57	1	2	.08	.0	2.53	24.00	1.08	---	12.59	2144.73	224.2
XSECTION 110	RUNOFF	.07	1	2	.08	.0	2.53	24.00	.80	---	12.61	32.47	444.8
XSECTION 110	ADDHYD	9.64	1	2	.08	.0	2.53	24.00	1.08	---	12.59	2177.04	225.9
XSECTION 122	RUNOFF	.35	1	2	.08	.0	2.53	24.00	1.20	---	12.48	258.14	727.2
XSECTION 110	ADDHYD	9.99	1	2	.08	.0	2.53	24.00	1.08	---	12.57	2414.72	241.6
XSECTION 111	REACH	9.99	1	2	.08	.0	2.53	24.00	1.08	---	12.57	2414.72	241.6
XSECTION 111	RUNOFF	.07	1	2	.08	.0	2.53	24.00	.75	---	12.62	29.38	419.7
XSECTION 111	ADDHYD	10.06	1	2	.08	.0	2.53	24.00	1.08	---	12.57	2443.70	242.8
XSECTION 112	REACH	10.06	1	2	.08	.0	2.53	24.00	1.08	---	12.69	2382.67	236.8
XSECTION 112	RUNOFF	.06	1	2	.08	.0	2.53	24.00	.75	---	12.57	27.47	450.4
XSECTION 112	ADDHYD	10.12	1	2	.08	.0	2.53	24.00	1.08	---	12.68	2407.40	237.8
XSECTION 121	RUNOFF	.25	1	2	.08	.0	2.53	24.00	1.99	---	12.44	260.66	1042.6

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 SIDBM 1													
XSECTION 112	ADDHYD	10.37	1	2	.08	.0	2.53	24.00	1.10	---	12.65	2477.19	238.8
XSECTION 49	RUNOFF	.09	1	2	.08	.0	2.53	24.00	1.99	---	12.44	89.06	1035.5
XSECTION 48	REACH	.09	1	2	.08	.0	2.53	24.00	1.97	---	12.72	82.18	955.5
XSECTION 20	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.99	---	12.44	66.73	1042.6
XSECTION 48	REACH	.06	1	2	.08	.0	2.53	24.00	1.96	---	13.09	49.66	775.9
XSECTION 48	ADDHYD	.15	1	2	.08	.0	2.53	24.00	1.97	---	12.77	121.44	809.6
XSECTION 48	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.01	---	12.62	67.92	543.4
XSECTION 48	ADDHYD	.28	1	2	.08	.0	2.53	24.00	1.53	---	12.70	184.09	669.4
XSECTION 56	REACH	.28	1	2	.08	.0	2.53	24.00	1.53	---	12.85	176.19	640.7
XSECTION 56	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.02	---	12.48	41.18	653.7
XSECTION 56	ADDHYD	.34	1	2	.08	.0	2.53	24.00	1.43	---	12.79	183.92	544.1
XSECTION 57	REACH	.34	1	2	.08	.0	2.53	24.00	1.43	---	12.87	183.91	544.1
XSECTION 57	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.02	---	12.48	41.18	653.7
XSECTION 57	ADDHYD	.40	1	2	.08	.0	2.53	24.00	1.37	---	12.62	208.09	518.9
XSECTION 43	RUNOFF	.05	1	2	.08	.0	2.53	24.00	1.55	---	12.45	43.11	917.1
XSECTION 21	RUNOFF	.19	1	2	.08	.0	2.53	24.00	1.32	---	12.58	129.93	687.4
XSECTION 21	ADDHYD	.24	1	2	.08	.0	2.53	24.00	1.37	---	12.50	167.62	710.3
XSECTION 46	REACH	.24	1	2	.08	.0	2.53	24.00	1.37	---	12.50	167.62	710.3
XSECTION 47	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.01	---	12.51	79.43	635.5
XSECTION 46	REACH	.13	1	2	.08	.0	2.53	24.00	1.01	---	12.61	78.59	628.7
XSECTION 46	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.01	---	12.49	80.04	640.3
XSECTION 46	ADDHYD	.25	1	2	.08	.0	2.53	24.00	1.01	---	12.53	155.77	623.1
XSECTION 46	ADDHYD	.49	1	2	.08	.0	2.53	24.00	1.19	---	12.52	321.09	660.7
XSECTION 57	REACH	.49	1	2	.08	.0	2.53	24.00	1.19	---	12.52	321.09	660.7
XSECTION 57	ADDHYD	.89	1	2	.08	.0	2.53	24.00	1.27	---	12.55	524.24	591.0
XSECTION 59	REACH	.89	1	2	.08	.0	2.53	24.00	1.27	---	12.55	524.24	591.0
XSECTION 45	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.55	---	12.54	101.04	808.3
XSECTION 59	REACH	.13	1	2	.08	.0	2.53	24.00	1.54	---	12.68	96.84	774.7
XSECTION 59	ADDHYD	1.01	1	2	.08	.0	2.53	24.00	1.30	---	12.55	615.90	608.6
XSECTION 59	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.02	---	12.48	41.18	653.7
XSECTION 59	ADDHYD	1.07	1	2	.08	.0	2.53	24.00	1.28	---	12.55	655.56	609.8
STRUCTURE 59	RESVOR	1.07	1	2	.08	.0	2.53	24.00	1.18	1399.22	13.14	267.86	249.2
XSECTION 66	REACH	1.07	1	2	.08	.0	2.53	24.00	1.18	---	13.14	267.86	249.2
XSECTION 66	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.13	---	12.55	40.53	643.3
XSECTION 66	ADDHYD	1.14	1	2	.08	.0	2.53	24.00	1.18	---	13.04	277.12	243.5
XSECTION 67	REACH	1.14	1	2	.08	.0	2.53	24.00	1.18	---	13.04	277.12	243.5

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 1													
XSECTION 67	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.40	---	12.46	52.20	828.6
XSECTION 67	ADDHYD	1.20	1	2	.08	.0	2.53	24.00	1.19	---	13.02	282.74	235.4
XSECTION 44	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.33	---	12.49	98.18	785.4
XSECTION 67	REACH	.13	1	2	.08	.0	2.53	24.00	1.33	---	12.61	95.63	765.1
XSECTION 67	ADDHYD	1.33	1	2	.08	.0	2.53	24.00	1.20	---	12.66	369.92	279.0
XSECTION 69	REACH	1.33	1	2	.08	.0	2.53	24.00	1.20	---	12.66	369.92	279.0
XSECTION 69	RUNOFF	.06	1	2	.08	.0	2.53	24.00	.95	---	12.63	31.97	507.4
XSECTION 69	ADDHYD	1.39	1	2	.08	.0	2.53	24.00	1.19	---	12.65	401.75	289.2
XSECTION 23	RUNOFF	.09	1	2	.08	.0	2.53	24.00	1.99	---	12.45	93.41	1026.5
XSECTION 41	REACH	.09	1	2	.08	.0	2.53	24.00	1.98	---	12.64	89.10	979.1
XSECTION 22	RUNOFF	.15	1	2	.08	.0	2.53	24.00	1.33	---	12.54	111.80	730.7
XSECTION 41	REACH	.15	1	2	.08	.0	2.53	24.00	1.32	---	12.69	104.18	680.9
XSECTION 41	ADDHYD	.24	1	2	.08	.0	2.53	24.00	1.57	---	12.67	192.43	788.7
XSECTION 41	RUNOFF	.17	1	2	.08	.0	2.53	24.00	1.13	---	12.53	116.10	675.0
XSECTION 41	ADDHYD	.42	1	2	.08	.0	2.53	24.00	1.39	---	12.57	299.80	720.7
XSECTION 42	REACH	.42	1	2	.08	.0	2.53	24.00	1.39	---	12.57	299.80	720.7
XSECTION 42	RUNOFF	.08	1	2	.08	.0	2.53	24.00	1.33	---	12.46	63.18	810.0
XSECTION 42	ADDHYD	.49	1	2	.08	.0	2.53	24.00	1.38	---	12.53	358.19	725.1
XSECTION 78	REACH	.49	1	2	.08	.0	2.53	24.00	1.38	---	12.53	358.19	725.1
XSECTION 78	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.26	---	12.47	48.06	762.9
XSECTION 78	ADDHYD	.56	1	2	.08	.0	2.53	24.00	1.36	---	12.52	406.01	728.9
XSECTION 40	RUNOFF	.09	1	2	.08	.0	2.53	24.00	1.01	---	12.58	53.25	566.5
XSECTION 82	REACH	.09	1	2	.08	.0	2.53	24.00	1.01	---	12.75	47.98	510.4
XSECTION 82	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.13	---	12.48	44.37	704.3
XSECTION 82	ADDHYD	.16	1	2	.08	.0	2.53	24.00	1.06	---	12.54	84.21	536.3
XSECTION 81	REACH	.16	-1	2	.08	.0	2.53	24.00	1.05	---	12.76	78.15	497.8
XSECTION 81	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.13	---	12.57	39.31	624.0
XSECTION 81	ADDHYD	.22	1	2	.08	.0	2.53	24.00	1.08	---	12.69	112.29	510.4
XSECTION 78	REACH	.22	1	2	.08	.0	2.53	24.00	1.07	---	12.85	105.49	479.5
XSECTION 78	ADDHYD	.78	1	2	.08	.0	2.53	24.00	1.28	---	12.54	482.56	621.1
XSECTION 77	REACH	.78	1	2	.08	.0	2.53	24.00	1.28	---	12.54	482.56	621.1
XSECTION 77	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.26	---	12.52	46.27	734.4
XSECTION 77	ADDHYD	.84	1	2	.08	.0	2.53	24.00	1.28	---	12.54	528.63	629.3
XSECTION 69	ADDHYD	2.23	1	2	.08	.0	2.53	24.00	1.23	---	12.58	915.11	410.5
STRUCTURE 69	RESVOR	2.23	1	2	.08	.0	2.53	24.00	1.06	1384.85	13.81	292.10	131.0
XSECTION 75	REACH	2.23	1	2	.08	.0	2.53	24.00	1.06	---	13.81	292.10	131.0

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 83	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.19	---	12.57	41.19	653.7
XSECTION 80	REACH	.06	1	2	.08	.0	2.53	24.00	1.19	---	12.72	38.20	606.4
XSECTION 80	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.01	---	12.55	37.24	591.0
XSECTION 80	ADDHYD	.13	1	2	.08	.0	2.53	24.00	1.10	---	12.61	72.63	576.4
XSECTION 79	REACH	.13	1	2	.08	.0	2.53	24.00	1.10	---	12.84	68.45	543.3
XSECTION 79	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.40	---	12.46	52.20	828.6
XSECTION 79	ADDHYD	.19	1	2	.08	.0	2.53	24.00	1.20	---	12.54	100.33	530.8
XSECTION 76	REACH	.19	1	2	.08	.0	2.53	24.00	1.20	---	12.54	100.33	530.8
XSECTION 76	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.26	---	12.47	48.49	769.7
XSECTION 76	ADDHYD	.25	1	2	.08	.0	2.53	24.00	1.21	---	12.52	147.89	586.9
XSECTION 75	REACH	.25	1	2	.08	.0	2.53	24.00	1.21	---	12.52	147.89	586.9
XSECTION 75	ADDHYD	2.48	1	2	.08	.0	2.53	24.00	1.08	---	13.16	319.41	128.7
XSECTION 75	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.98	---	12.52	60.48	960.1
XSECTION 75	ADDHYD	2.54	1	2	.08	.0	2.53	24.00	1.10	---	13.01	334.99	131.7
XSECTION 112	REACH	2.54	1	2	.08	.0	2.53	24.00	1.10	---	13.01	334.99	131.7
XSECTION 112	ADDHYD	12.92	1	2	.08	.0	2.53	24.00	1.10	---	12.65	2799.85	216.7
XSECTION 113	REACH	12.92	1	2	.08	.0	2.53	24.00	1.10	---	12.76	2767.96	214.3
XSECTION 113	RUNOFF	.05	1	2	.08	.0	2.53	24.00	1.63	---	12.54	44.56	840.7
XSECTION 113	ADDHYD	12.97	1	2	.08	.0	2.53	24.00	1.10	---	12.76	2800.91	215.9
XSECTION 120	RUNOFF	.23	1	2	.08	0	2.53	24.00	1.33	---	12.49	181.43	785.4
XSECTION 113	ADDHYD	13.20	1	2	.08	.0	2.53	24.00	1.10	---	12.73	2878.27	218.0
XSECTION 58	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.13	---	12.47	44.80	711.2
XSECTION 60	REACH	.06	1	2	.08	.0	2.53	24.00	1.13	---	12.60	42.12	668.6
XSECTION 60	RUNOFF	.06	1	2	.08	0	2.53	24.00	.96	---	12.57	34.53	548.1
XSECTION 60	ADDHYD	.13	1	2	.08	.0	2.53	24.00	1.04	---	12.59	76.11	604.0
XSECTION 65	REACH	.13	1	2	.08	.0	2.53	24.00	1.04	---	12.71	72.95	579.0
XSECTION 65	RUNOFF	.05	1	2	.08	0	2.53	24.00	1.01	---	12.57	27.08	576.2
XSECTION 65	ADDHYD	.17	1	2	.08	0	2.53	24.00	1.03	---	12.66	97.18	561.7
XSECTION 68	REACH	.17	1	2	.08	.0	2.53	24.00	1.03	---	12.66	97.18	561.7
XSECTION 68	RUNOFF	.06	1	2	.08	0	2.53	24.00	1.20	---	12.47	46.64	740.3
XSECTION 68	ADDHYD	.24	1	2	.08	0	2.53	24.00	1.08	---	12.55	136.35	577.8
XSECTION 70	REACH	.24	1	2	.08	0	2.53	24.00	1.08	---	12.55	136.35	577.8
XSECTION 70	RUNOFF	.06	1	2	.08	0	2.53	24.00	1.26	---	12.47	48.49	769.7
XSECTION 70	ADDHYD	.30	1	2	.08	.0	2.53	24.00	1.12	---	12.52	183.75	614.6
XSECTION 74	REACH	.30	1	2	.08	.0	2.53	24.00	1.12	---	12.52	183.75	614.6
XSECTION 74	RUNOFF	.06	1	2	.08	0	2.53	24.00	1.55	---	12.46	56.24	892.6

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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 1													
XSECTION 74	ADDHYD	.36	1	2	.08	.0	2.53	24.00	1.19	---	12.50	236.88	654.4
XSECTION 113	REACH	.36	1	2	.08	.0	2.53	24.00	1.19	---	12.50	236.88	654.4
XSECTION 113	ADDHYD	13.56	1	2	.08	.0	2.53	24.00	1.11	---	12.69	3032.29	223.5
XSECTION 114	REACH	13.56	1	2	.08	.0	2.53	24.00	1.10	---	12.89	2876.19	212.0
XSECTION 64	RUNOFF	.25	1	2	.08	.0	2.53	24.00	1.01	---	12.51	156.50	626.0
XSECTION 72	REACH	.25	1	2	.08	.0	2.53	24.00	1.01	---	12.75	133.99	535.9
XSECTION 72	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.07	---	12.56	75.62	605.0
XSECTION 72	ADDHYD	.38	1	2	.08	.0	2.53	24.00	1.03	---	12.67	198.93	530.5
XSECTION 114	REACH	.38	1	2	.08	.0	2.53	24.00	1.02	---	12.88	172.46	459.9
XSECTION 115	RUNOFF	.09	1	2	.08	.0	2.53	24.00	1.01	---	12.55	55.56	591.0
XSECTION 114	ADDHYD	.47	1	2	.08	.0	2.53	24.00	1.02	---	12.77	202.66	432.4
XSECTION 71	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.07	---	12.56	75.62	605.0
XSECTION 114	REACH	.13	1	2	.08	.0	2.53	24.00	1.06	---	12.97	56.66	453.3
XSECTION 114	ADDHYD	.59	1	2	.08	.0	2.53	24.00	1.03	---	12.83	253.73	427.2
XSECTION 114	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.18	---	12.93	57.41	448.6
XSECTION 114	ADDHYD	.72	1	2	.08	.0	2.53	24.00	1.06	---	12.85	310.06	429.5
XSECTION 114	ADDHYD	14.29	1	2	.08	.0	2.53	24.00	1.10	---	12.89	3184.91	222.9
XSECTION 119	RUNOFF	.23	1	2	.08	.0	2.53	24.00	1.12	---	12.86	105.55	456.9
XSECTION 114	ADDHYD	14.52	1	2	.08	.0	2.53	24.00	1.10	---	12.89	3290.21	226.6
XSECTION 118	REACH	14.52	1	2	.08	.0	2.53	24.00	1.09	---	13.08	3139.28	216.2
XSECTION 118	RUNOFF	.23	1	2	.08	.0	2.53	24.00	.94	---	13.22	66.98	290.0
XSECTION 118	ADDHYD	14.75	1	2	.08	.0	2.53	24.00	1.09	---	13.08	3204.43	217.3
XSECTION 50	RUNOFF	.13	1	2	.08	.0	2.53	24.00	.75	---	12.62	55.72	415.8
XSECTION 52	REACH	.13	1	2	.08	.0	2.53	24.00	.74	---	13.14	39.69	296.2
XSECTION 52	RUNOFF	.06	1	2	.08	.0	2.53	24.00	.95	---	12.60	33.00	523.9
XSECTION 52	ADDHYD	.20	1	2	.08	.0	2.53	24.00	.81	---	12.83	52.33	265.6
XSECTION 55	REACH	.20	1	2	.08	.0	2.53	24.00	.81	---	13.14	50.13	254.5
XSECTION 55	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.07	---	12.47	42.98	682.3
XSECTION 55	ADDHYD	.26	1	2	.08	.0	2.53	24.00	.87	---	12.54	69.85	268.7
XSECTION 51	RUNOFF	.06	1	2	.08	.0	2.53	24.00	1.08	---	12.46	44.95	713.5
XSECTION 55	REACH	.06	1	2	.08	.0	2.53	24.00	1.06	---	12.77	36.67	582.0
XSECTION 55	ADDHYD	.32	1	2	.08	.0	2.53	24.00	.91	---	12.57	99.91	309.3
XSECTION 53	REACH	.32	1	2	.08	.0	2.53	24.00	.91	---	12.75	92.83	287.4
XSECTION 53	RUNOFF	.08	1	2	.08	.0	2.53	24.00	1.13	---	12.50	58.21	693.0
XSECTION 53	ADDHYD	.41	1	2	.08	.0	2.53	24.00	.95	---	12.58	139.23	342.1
XSECTION 61	REACH	.41	1	2	.08	.0	2.53	24.00	.95	---	12.76	124.72	306.4

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 61	RUNOFF	.10	1	2	.08	.0	2.53	24.00	1.07	---	12.47	69.59	687.3
XSECTION 61	ADDHYD	.51	1	2	.08	.0	2.53	24.00	.97	---	12.56	171.39	336.7
XSECTION 62	REACH	.51	1	2	.08	.0	2.53	24.00	.97	---	12.78	147.37	289.5
XSECTION 62	RUNOFF	.13	1	2	.08	.0	2.53	24.00	1.01	---	12.76	58.79	452.3
XSECTION 62	ADDHYD	.64	1	2	.08	0	2.53	24.00	.98	---	12.78	206.11	322.6
ALTERNATE 1 STORM 2													
XSECTION 1	RUNOFF	.15	1	2	.08	.0	3.57	24.00	3.00	---	12.45	217.93	1472.5
XSECTION 2	RUNOFF	.10	1	2	.08	.0	3.57	24.00	3.00	---	12.44	145.51	1500.1
XSECTION 3	REACH	.15	1	2	.08	.0	3.57	24.00	2.99	---	12.63	213.83	1444.8
XSECTION 3	REACH	.10	1	2	.08	.0	3.57	24.00	2.98	---	12.70	138.09	1423.6
XSECTION 3	ADDHYD	.25	1	2	.08	.0	3.57	24.00	2.99	---	12.66	349.90	1428.2
XSECTION 3	RUNOFF	.05	1	2	.08	0	3.57	24.00	1.47	---	12.52	42.49	903.9
XSECTION 3	ADDHYD	.29	1	2	.08	.0	3.57	24.00	2.74	---	12.60	387.57	1327.3
XSECTION 6	RUNOFF	.11	1	2	.08	.0	3.57	24.00	1.75	---	12.71	87.96	807.0
XSECTION 6	REACH	.29	1	2	.08	.0	3.57	24.00	2.74	1505.41	12.72	383.09	1312.0
XSECTION 6	ADDHYD	.40	1	2	.08	.0	3.57	24.00	2.47	1506.00	12.72	471.05	1174.7
XSECTION 8	REACH	.40	1	2	.08	.0	3.57	24.00	2.46	1496.90	12.88	453.71	1131.4
XSECTION 7	RUNOFF	.12	1	2	.08	0	3.57	24.00	1.47	---	12.66	86.33	737.8
XSECTION 8	REACH	.12	1	2	.08	0	3.57	24.00	1.46	1495.25	12.78	84.82	724.9
XSECTION 19	RUNOFF	.02	1	2	.08	.0	3.57	24.00	3.00	---	12.44	33.24	1510.9
XSECTION 4	RUNOFF	.19	1	2	.08	.0	3.57	24.00	3.00	---	12.44	290.36	1489.0
XSECTION 4	REACH	.02	1	2	.08	.0	3.57	24.00	2.97	---	12.98	27.33	1242.2
XSECTION 4	ADDHYD	.22	1	2	.08	.0	3.57	24.00	3.00	---	12.45	307.71	1418.0
XSECTION 5	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.47	---	12.60	99.67	797.4
XSECTION 5	REACH	.22	1	2	.08	.0	3.57	24.00	2.99	---	12.62	298.64	1376.7
XSECTION 5	ADDHYD	.34	1	2	.08	.0	3.57	24.00	2.43	---	12.62	398.25	1164.5
XSECTION 8	REACH	.34	1	2	.08	.0	3.57	24.00	2.42	1496.79	12.85	371.68	1086.8
XSECTION 8	ADDHYD	.52	1	2	.08	.0	3.57	24.00	2.24	1497.01	12.86	535.72	1034.2
XSECTION 8	ADDHYD	.86	1	2	.08	.0	3.57	24.00	2.31	1497.32	12.85	907.39	1055.1
XSECTION 18	RUNOFF	.18	1	2	.08	.0	3.57	24.00	1.53	---	12.67	139.85	760.1
XSECTION 8	REACH	.18	1	2	.08	.0	3.57	24.00	1.53	1495.49	12.93	115.81	629.4
XSECTION 8	ADDHYD	1.04	1	2	.08	0	3.57	24.00	2.17	1497.40	12.86	1021.80	978.7
XSECTION 8	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.53	---	12.69	96.88	739.6
XSECTION 8	ADDHYD	1.18	1	2	.08	.0	3.57	24.00	2.10	1497.45	12.85	1108.39	943.3
STRUCTURE 8	RESVOR	1.18	1	2	.08	.0	3.57	24.00	1.91	1495.44	13.47	403.07	343.0
XSECTION 14	REACH	1.18	1	2	.08	.0	3.57	24.00	1.89	1487.66	13.84	381.58	324.7

BASIN 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 2													
XSECTION 9	RUNOFF	.07	1	2	.08	.0	3.57	24.00	1.60	---	12.79	46.12	698.8
XSECTION 14	REACH	.07	1	2	.08	.0	3.57	24.00	1.59	1485.12	12.97	43.28	655.7
XSECTION 14	ADDHYD	1.24	1	2	.08	.0	3.57	24.00	1.88	1487.73	13.79	396.10	319.2
XSECTION 10	RUNOFF	.09	1	2	.08	.0	3.57	24.00	1.47	---	12.60	75.75	797.4
XSECTION 11	REACH	.09	1	2	.08	.0	3.57	24.00	1.46	---	12.76	69.33	729.8
XSECTION 11	RUNOFF	.23	1	2	.08	.0	3.57	24.00	1.60	---	12.73	172.85	738.7
XSECTION 11	ADDHYD	.33	1	2	.08	.0	3.57	24.00	1.56	---	12.74	241.96	735.4
XSECTION 13	REACH	.33	1	2	.08	.0	3.57	24.00	1.56	---	12.74	241.96	735.4
XSECTION 13	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.82	---	12.60	116.76	934.0
XSECTION 13	ADDHYD	.45	1	2	.08	.0	3.57	24.00	1.63	---	12.69	351.87	775.0
XSECTION 144	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.60	---	12.79	92.24	698.8
XSECTION 14	REACH	.13	1	2	.08	.0	3.57	24.00	1.60	1485.70	12.91	90.79	687.8
XSECTION 13	ADDHYD	.59	1	2	.08	.0	3.57	24.00	1.63	---	12.72	432.68	738.4
XSECTION 14	REACH	.59	1	2	.08	.0	3.57	24.00	1.63	1487.90	12.72	432.68	738.4
XSECTION 14	ADDHYD	1.83	1	2	.08	.0	3.57	24.00	1.80	1488.86	12.88	583.40	319.3
XSECTION 16	RUNOFF	.12	1	2	.08	.0	3.57	24.00	2.14	---	12.55	132.00	1109.3
XSECTION 15	REACH	.12	1	2	.08	.0	3.57	24.00	2.14	---	12.65	130.95	1100.4
XSECTION 15	RUNOFF	.07	1	2	.08	.0	3.57	24.00	1.82	---	12.75	58.92	807.2
XSECTION 15	ADDHYD	.19	1	2	.08	.0	3.57	24.00	2.02	---	12.67	188.55	982.0
XSECTION 14	ADDHYD	2.02	1	2	.08	.0	3.57	24.00	1.82	1489.02	12.80	752.71	372.8
XSECTION 14	RUNOFF	.18	1	2	.08	.0	3.57	24.00	1.91	---	12.52	191.46	1081.7
XSECTION 14	ADDHYD	2.20	1	2	.08	.0	3.57	24.00	1.83	1489.12	12.68	878.53	400.1
XSECTION 27	REACH	2.20	1	2	.08	.0	3.57	24.00	1.82	---	12.97	775.47	353.1
XSECTION 27	RUNOFF	.19	1	2	.08	.0	3.57	24.00	1.81	---	12.92	129.26	687.6
XSECTION 27	ADDHYD	2.38	1	2	.08	.0	3.57	24.00	1.82	---	12.96	904.22	379.3
XSECTION 17	RUNOFF	.06	1	2	.08	.0	3.57	24.00	3.00	---	12.44	89.05	1509.4
XSECTION 25	REACH	.06	1	2	.08	.0	3.57	24.00	2.97	---	12.89	77.24	1309.2
XSECTION 25	RUNOFF	.09	1	2	.08	.0	3.57	24.00	1.90	---	12.53	95.00	1067.4
XSECTION 25	ADDHYD	.15	1	2	.08	.0	3.57	24.00	2.33	---	12.57	159.28	1076.2
XSECTION 27	REACH	.15	1	2	.08	.0	3.57	24.00	2.32	---	12.89	134.52	908.9
XSECTION 27	ADDHYD	2.53	1	2	.08	.0	3.57	24.00	1.85	---	12.95	1037.27	409.7
XSECTION 26	RUNOFF	.07	1	2	.08	.0	3.57	24.00	2.07	---	12.48	79.23	1182.6
XSECTION 27	ADDHYD	2.60	1	2	.08	.0	3.57	24.00	1.85	---	12.94	1050.62	404.2
XSECTION 37	REACH	2.60	1	2	.08	.0	3.57	24.00	1.85	1455.32	13.07	1040.82	400.5
XSECTION 37	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.91	---	12.46	142.64	1141.2
XSECTION 37	ADDHYD	2.72	1	2	.08	.0	3.57	24.00	1.85	1455.34	13.06	1055.36	387.4

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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													
STRUCTURE 37	RESVOR	2.72	1	2	.08	.0	3.57	24.00	1.83	1450.24	13.10	1053.26	386.7
XSECTION 24	RUNOFF	.20	1	2	.08	.0	3.57	24.00	2.15	---	12.53	228.04	1151.7
XSECTION 37	REACH	.20	1	2	.08	.0	3.57	24.00	2.14	1453.46	12.62	225.67	1139.7
XSECTION 37	ADDHYD	2.92	1	2	.08	.0	3.57	24.00	1.85	1455.50	12.95	1140.06	390.2
XSECTION 28	RUNOFF	.16	1	2	.08	.0	3.57	24.00	1.82	---	12.77	123.38	790.9
XSECTION 36	REACH	.16	1	2	.08	.0	3.57	24.00	1.80	---	13.29	94.17	603.7
XSECTION 36	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.90	---	12.54	130.39	1043.1
XSECTION 36	ADDHYD	.28	1	2	.08	.0	3.57	24.00	1.85	---	12.61	164.74	586.2
XSECTION 34	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.98	---	12.65	118.43	947.4
XSECTION 35	REACH	.13	1	2	.08	.0	3.57	24.00	1.97	---	12.78	116.06	928.5
XSECTION 35	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.90	---	12.54	129.69	1037.5
XSECTION 35	ADDHYD	.25	1	2	.08	.0	3.57	24.00	1.94	---	12.61	234.08	936.3
XSECTION 36	REACH	.25	1	2	.08	.0	3.57	24.00	1.94	---	12.61	234.08	936.3
XSECTION 36	ADDHYD	.53	1	2	.08	.0	3.57	24.00	1.89	---	12.61	398.82	751.1
XSECTION 37	REACH	.53	1	2	.08	.0	3.57	24.00	1.89	1454.08	12.61	398.82	751.1
XSECTION 37	ADDHYD	3.45	1	2	.08	.0	3.57	24.00	1.86	1455.93	12.74	1478.19	428.1
BASIN 5A STRUCTURE 43	RESVOR	3.45	1	2	.08	.0	3.57	24.00	1.82	1441.29	13.37	1161.74	336.4
XSECTION 143	RUNOFF	.06	1	2	.08	.0	3.57	24.00	2.06	---	12.55	67.55	1080.8
XSECTION 143	ADDHYD	3.52	1	2	.08	.0	3.57	24.00	1.82	---	13.24	1175.39	334.3
XSECTION 39	REACH	3.52	1	2	.08	.0	3.57	24.00	1.82	---	13.57	1168.45	332.4
XSECTION 39	RUNOFF	.06	1	2	.08	.0	3.57	24.00	2.06	---	12.55	67.55	1080.8
XSECTION 39	ADDHYD	3.58	1	2	.08	.0	3.57	24.00	1.82	---	13.55	1174.46	328.2
XSECTION 88	RUNOFF	.13	1	2	.08	.0	3.57	24.00	2.06	---	12.53	141.28	1130.3
XSECTION 39	REACH	.13	1	2	.08	.0	3.57	24.00	2.06	---	12.53	141.28	1130.3
XSECTION 39	ADDHYD	3.70	1	2	.08	.0	3.57	24.00	1.83	---	13.48	1186.03	320.3
XSECTION 85	REACH	3.70	1	2	.08	.0	3.57	24.00	1.83	---	13.65	1184.37	319.8
XSECTION 85	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.98	---	12.55	66.60	1057.2
XSECTION 85	ADDHYD	3.77	1	2	.08	.0	3.57	24.00	1.83	---	13.64	1190.03	316.0
XSECTION 84	REACH	3.77	1	2	.08	.0	3.57	24.00	1.83	---	13.78	1187.27	315.3
XSECTION 84	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.98	---	12.55	66.60	1057.2
XSECTION 84	ADDHYD	3.83	1	2	.08	.0	3.57	24.00	1.83	---	13.77	1192.06	311.3
XSECTION 91	RUNOFF	.13	1	2	.08	.0	3.57	24.00	2.15	---	12.53	143.49	1147.9
XSECTION 90	REACH	.13	1	2	.08	.0	3.57	24.00	2.15	---	12.53	143.49	1147.9
XSECTION 90	RUNOFF	.11	1	2	.08	.0	3.57	24.00	2.06	---	12.59	111.80	1025.7
XSECTION 90	ADDHYD	.23	1	2	.08	.0	3.57	24.00	2.10	---	12.55	254.34	1086.9
XSECTION 88	REACH	.23	1	2	.08	.0	3.57	24.00	2.10	---	12.55	254.34	1086.9

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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 89	RUNOFF	.05	1	2	.08	.0	3.57	24.00	1.98	---	12.51	52.42	1115.3
XSECTION 88	REACH	.05	1	2	.08	.0	3.57	24.00	1.98	---	12.68	46.80	995.6
XSECTION 88	RUNOFF	.09	1	2	.08	.0	3.57	24.00	2.22	---	12.64	97.37	1035.8
XSECTION 88	ADDHYD	.14	1	2	.08	.0	3.57	24.00	2.14	---	12.66	143.90	1020.6
XSECTION 88	ADDHYD	.38	1	2	.08	.0	3.57	24.00	2.12	---	12.58	394.20	1051.2
XSECTION 87	REACH	.38	1	2	.08	.0	3.57	24.00	2.12	---	12.58	394.20	1051.2
XSECTION 86	RUNOFF	.06	1	2	.08	.0	3.57	24.00	2.15	---	12.46	77.42	1228.9
XSECTION 87	REACH	.06	1	2	.08	.0	3.57	24.00	2.15	---	12.56	75.97	1205.9
XSECTION 87	ADDHYD	.44	1	2	.08	.0	3.57	24.00	2.12	---	12.57	470.10	1073.3
XSECTION 87	RUNOFF	.06	1	2	.08	.0	3.57	24.00	2.23	---	12.54	73.11	1160.5
XSECTION 87	ADDHYD	.50	1	2	.08	.0	3.57	24.00	2.14	---	12.57	542.91	1083.6
XSECTION 84	REACH	.50	1	2	.08	.0	3.57	24.00	2.14	---	12.57	542.91	1083.6
XSECTION 84	ADDHYD	4.33	1	2	.08	.0	3.57	24.00	1.86	---	13.63	1243.74	287.2
XSECTION 105	REACH	4.33	1	2	.08	.0	3.57	24.00	1.86	---	13.78	1241.03	286.6
XSECTION 105	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.53	---	12.62	49.94	792.7
XSECTION 105	ADDHYD	4.39	1	2	.08	.0	3.57	24.00	1.85	---	13.77	1246.13	283.7
XSECTION 101	RUNOFF	.05	1	2	.08	.0	3.57	24.00	2.41	---	12.53	57.73	1228.4
XSECTION 102	REACH	.05	1	2	.08	.0	3.57	24.00	2.38	---	13.04	44.07	937.8
XSECTION 102	RUNOFF	.06	1	2	.08	0	3.57	24.00	1.82	---	12.60	58.28	975.0
XSECTION 102	ADDHYD	.11	1	2	.08	.0	3.57	24.00	2.06	---	12.70	89.43	813.0
XSECTION 105	REACH	.11	1	2	.08	0	3.57	24.00	2.05	---	13.14	72.75	661.3
XSECTION 105	ADDHYD	4.50	1	2	.08	.0	3.57	24.00	1.86	---	13.69	1298.15	288.3
XSECTION 104	REACH	4.50	1	2	.08	0	3.57	24.00	1.86	---	13.84	1294.87	287.6
XSECTION 104	RUNOFF	.07	1	2	.08	.0	3.57	24.00	1.53	---	12.65	53.63	777.2
XSECTION 104	ADDHYD	4.57	1	2	.08	0	3.57	24.00	1.85	---	13.82	1300.54	284.5
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	.25	1	2	.08	0	3.57	24.00	1.60	---	12.81	169.84	679.4
XSECTION 32	REACH	.25	1	2	.08	0	3.57	24.00	1.59	---	13.09	145.90	583.6
XSECTION 31	RUNOFF	.08	1	2	.08	.0	3.57	24.00	1.90	---	12.58	82.67	984.1
XSECTION 32	REACH	.08	1	2	.08	0	3.57	24.00	1.86	---	13.45	45.66	543.6

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 32	RUNOFF	.18	1	2	.08	.0	3.57	24.00	1.67	---	12.78	131.23	729.1
XSECTION 32	ADDHYD	.26	1	2	.08	.0	3.57	24.00	1.73	---	12.85	150.43	569.8
XSECTION 32	ADDHYD	.51	1	2	.08	.0	3.57	24.00	1.66	---	12.98	287.66	559.6
XSECTION 33	REACH	.51	1	2	.08	.0	3.57	24.00	1.66	---	13.12	283.70	551.9
XSECTION 33	ADDHYD	1.07	1	2	.08	.0	3.57	24.00	1.69	---	13.01	621.04	581.5
STRUCTURE 33	RESVOR	1.07	1	2	.08	.0	3.57	24.00	1.37	1463.86	14.51	133.09	124.6
XSECTION 93	REACH	1.07	1	2	.08	.0	3.57	24.00	1.36	---	14.61	133.08	124.6
XSECTION 93	RUNOFF	.19	1	2	.08	.0	3.57	24.00	1.98	---	12.53	213.06	1092.6
XSECTION 93	ADDHYD	1.26	1	2	.08	.0	3.57	24.00	1.46	---	12.55	218.56	173.0
XSECTION 94	RUNOFF	.14	1	2	.08	.0	3.57	24.00	1.99	---	12.49	157.60	1133.8
XSECTION 93	REACH	.14	1	2	.08	.0	3.57	24.00	1.98	---	12.58	157.29	1131.6
XSECTION 93	ADDHYD	1.40	1	2	.08	.0	3.57	24.00	1.51	---	12.56	375.47	267.8
XSECTION 92	REACH	1.40	1	2	.08	.0	3.57	24.00	1.51	---	12.56	375.47	267.8
XSECTION 92	RUNOFF	.13	1	2	.08	.0	3.57	24.00	2.15	---	12.53	143.49	1147.9
XSECTION 92	ADDHYD	1.53	1	2	.08	.0	3.57	24.00	1.56	---	12.55	518.53	339.6
XSECTION 97	REACH	1.53	1	2	.08	.0	3.57	24.00	1.56	---	12.63	518.32	339.4
XSECTION 97	RUNOFF	.19	1	2	.08	.0	3.57	24.00	2.23	---	12.54	216.11	1149.5
XSECTION 97	ADDHYD	1.71	1	2	.08	.0	3.57	24.00	1.63	---	12.61	730.21	425.8
XSECTION 95	RUNOFF	.13	1	2	.08	.0	3.57	24.00	2.13	---	12.78	111.65	893.2
XSECTION 96	REACH	.13	1	2	.08	.0	3.57	24.00	2.13	---	12.93	108.06	864.5
XSECTION 96	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.83	---	12.56	123.52	988.2
XSECTION 96	ADDHYD	.25	1	2	.08	.0	3.57	24.00	1.98	---	12.64	208.29	833.2
XSECTION 97	REACH	.25	1	2	.08	.0	3.57	24.00	1.98	---	12.64	208.29	833.2
XSECTION 97	ADDHYD	1.96	1	2	.08	.0	3.57	24.00	1.68	---	12.61	937.61	477.2
XSECTION 98	REACH	1.96	1	2	.08	.0	3.57	24.00	1.68	---	12.61	937.61	477.2
XSECTION 98	RUNOFF	.09	1	2	.08	.0	3.57	24.00	2.15	---	12.49	111.92	1190.6
XSECTION 98	ADDHYD	2.06	1	2	.08	.0	3.57	24.00	1.70	---	12.59	1038.56	504.4
XSECTION 99	REACH	2.06	1	2	.08	.0	3.57	24.00	1.70	---	12.59	1038.56	504.4
XSECTION 99	RUNOFF	.09	1	2	.08	.0	3.57	24.00	2.14	---	12.53	107.22	1140.6
XSECTION 99	ADDHYD	2.15	1	2	.08	.0	3.57	24.00	1.72	---	12.58	1144.25	531.5
XSECTION 141	RUNOFF	.19	1	2	.08	.0	3.57	24.00	2.23	---	12.54	216.11	1149.5
XSECTION 140	REACH	.19	1	2	.08	.0	3.57	24.00	2.23	---	12.63	215.43	1145.9
XSECTION 140	RUNOFF	.13	1	2	.08	.0	3.57	24.00	2.15	---	12.52	145.51	1164.0
XSECTION 140	ADDHYD	.31	1	2	.08	.0	3.57	24.00	2.20	---	12.57	355.57	1136.0
XSECTION 137	RUNOFF	.08	1	2	.08	.0	3.57	24.00	1.68	---	12.55	72.93	935.0
XSECTION 140	ADDHYD	.39	1	2	.08	.0	3.57	24.00	2.09	---	12.56	428.46	1095.8

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 139	REACH	.39	1	2	.08	.0	3.57	24.00	2.09	---	12.56	428.46	1095.8
XSECTION 139	RUNOFF	.19	1	2	.08	.0	3.57	24.00	2.23	---	12.52	224.54	1194.4
XSECTION 139	ADDHYD	.58	1	2	.08	.0	3.57	24.00	2.14	---	12.54	652.88	1177.6
XSECTION 139	ADDHYD	2.73	1	2	.08	.0	3.57	24.00	1.81	---	12.57	1793.99	656.7
XSECTION 136	RUNOFF	.07	1	2	.08	.0	3.57	24.00	3.00	---	12.44	99.62	1509.4
XSECTION 138	REACH	.07	1	2	.08	.0	3.57	24.00	2.98	---	12.70	93.95	1423.4
XSECTION 138	RUNOFF	.20	1	2	.08	.0	3.57	24.00	1.99	---	12.46	239.93	1181.9
XSECTION 138	ADDHYD	.27	1	2	.08	.0	3.57	24.00	2.23	---	12.47	327.32	1216.8
XSECTION 139	REACH	.27	1	2	.08	.0	3.57	24.00	2.22	---	12.70	300.42	1116.8
XSECTION 139	ADDHYD	3.00	1	2	.08	.0	3.57	24.00	1.84	---	12.58	2074.76	691.4
XSECTION 100	RUNOFF	.08	1	2	.08	.0	3.57	24.00	2.15	---	12.50	92.22	1182.3
XSECTION 139	ADDHYD	3.08	1	2	.08	.0	3.57	24.00	1.85	---	12.57	2164.50	703.0
STRUCTURE 39	RESVOR	3.08	1	2	.08	.0	3.57	24.00	1.77	1417.40	12.90	1263.66	410.4
XSECTION 129	RUNOFF	.11	1	2	.08	.0	3.57	24.00	1.84	---	12.45	124.75	1155.1
XSECTION 130	RUNOFF	.03	1	2	.08	.0	3.57	24.00	2.60	---	12.44	44.07	1421.7
XSECTION 129	ADDHYD	.14	1	2	.08	.0	3.57	24.00	2.01	---	12.45	168.79	1214.4
XSECTION 127	REACH	.14	1	2	.08	.0	3.57	24.00	1.99	---	12.73	148.12	1065.6
XSECTION 128	RUNOFF	.04	1	2	.08	.0	3.57	24.00	1.69	---	12.45	39.25	1090.3
XSECTION 127	REACH	.04	1	2	.08	.0	3.57	24.00	1.67	---	12.85	29.26	812.7
XSECTION 127	ADDHYD	.17	1	2	.08	.0	3.57	24.00	1.92	---	12.75	175.06	1000.3
XSECTION 127	RUNOFF	.16	1	2	.08	.0	3.57	24.00	1.83	---	12.46	179.72	1130.3
XSECTION 127	ADDHYD	.33	1	2	.08	.0	3.57	24.00	1.88	---	12.49	322.09	964.3
XSECTION 132	RUNOFF	.14	1	2	.08	.0	3.57	24.00	2.41	---	12.46	191.65	1321.7
XSECTION 133	RUNOFF	.08	1	2	.08	.0	3.57	24.00	3.00	---	12.44	120.75	1509.4
XSECTION 132	ADDHYD	.22	1	2	.08	.0	3.57	24.00	2.62	---	12.45	312.23	1387.7
XSECTION 131	REACH	.22	1	2	.08	.0	3.57	24.00	2.61	---	12.53	306.59	1362.6
XSECTION 131	RUNOFF	.12	1	2	.08	.0	3.57	24.00	2.15	---	12.46	146.24	1228.9
XSECTION 131	ADDHYD	.34	1	2	.08	.0	3.57	24.00	2.45	---	12.50	447.27	1300.2
XSECTION 131	ADDHYD	.68	1	2	.08	.0	3.57	24.00	2.17	---	12.49	769.36	1134.8
XSECTION 126	REACH	.68	1	2	.08	.0	3.57	24.00	2.17	---	12.49	769.36	1134.8
XSECTION 126	RUNOFF	.16	1	2	.08	.0	3.57	24.00	3.00	---	12.44	233.08	1475.2
XSECTION 126	ADDHYD	.84	1	2	.08	.0	3.57	24.00	2.33	---	12.48	999.98	1196.1
XSECTION 134	REACH	.84	1	2	.08	.0	3.57	24.00	2.33	---	12.48	999.98	1196.1
XSECTION 135	RUNOFF	.04	1	2	.08	.0	3.57	24.00	3.00	---	12.44	63.39	1509.4
XSECTION 134	REACH	.04	1	2	.08	.0	3.57	24.00	2.97	---	12.88	55.85	1329.7
XSECTION 134	ADDHYD	.88	1	2	.08	.0	3.57	24.00	2.36	---	12.48	1044.17	1189.3

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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 134	RUNOFF	.20	1	2	.08	.0	3.57	24.00	2.07	---	12.48	232.96	1182.6
XSECTION 134	ADDHYD	1.07	1	2	.08	.0	3.57	24.00	2.31	---	12.48	1277.11	1188.0
XSECTION 125	RUNOFF	.12	1	2	.08	.0	3.57	24.00	1.91	---	12.45	138.89	1187.1
XSECTION 134	ADDHYD	1.19	1	2	.08	.0	3.57	24.00	2.27	---	12.47	1414.02	1186.3
XSECTION 124	REACH	1.19	1	2	.08	.0	3.57	24.00	2.26	---	12.56	1408.90	1182.0
XSECTION 124	RUNOFF	.22	1	2	.08	.0	3.57	24.00	1.99	---	12.46	257.03	1173.7
XSECTION 124	ADDHYD	1.41	1	2	.08	.0	3.57	24.00	2.22	---	12.53	1654.56	1172.6
XSECTION 124	REACH	3.08	1	2	.08	.0	3.57	24.00	1.77	---	12.90	1263.66	410.4
XSECTION 124	ADDHYD	4.49	1	2	.08	.0	3.57	24.00	1.91	---	12.60	2607.97	580.8
XSECTION 103	RUNOFF	.08	1	2	.08	.0	3.57	24.00	1.99	---	12.47	94.97	1172.5
XSECTION 124	ADDHYD	4.57	1	2	.08	.0	3.57	24.00	1.91	---	12.59	2680.24	586.4
XSECTION 104	REACH	4.57	1	2	.08	.0	3.57	24.00	1.91	---	12.59	2680.24	586.4
XSECTION 104	ADDHYD	9.14	1	2	.08	.0	3.57	24.00	1.88	---	12.63	3559.87	389.4
XSECTION 107	REACH	9.14	1	2	.08	.0	3.57	24.00	1.88	---	12.63	3559.87	389.4
XSECTION 107	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.83	---	12.53	61.23	1037.7
XSECTION 107	ADDHYD	9.20	1	2	.08	.0	3.57	24.00	1.88	---	12.63	3616.63	393.0
XSECTION 123	RUNOFF	.21	1	2	.08	.0	3.57	24.00	3.00	---	12.44	315.47	1481.1
XSECTION 107	ADDHYD	9.41	1	2	.08	.0	3.57	24.00	1.91	---	12.60	3845.03	408.4
XSECTION 108	REACH	9.41	1	2	.08	.0	3.57	24.00	1.91	---	12.60	3845.03	408.4
XSECTION 106	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.61	---	12.59	54.38	863.2
XSECTION 108	REACH	.06	1	2	.08	.0	3.57	24.00	1.60	---	12.71	52.58	834.5
XSECTION 108	RUNOFF	.03	1	2	.08	.0	3.57	24.00	1.91	---	12.47	28.19	1127.6
XSECTION 108	ADDHYD	.09	1	2	.08	.0	3.57	24.00	1.69	---	12.56	74.57	847.4
XSECTION 109	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.99	---	12.47	72.84	1156.2
XSECTION 108	ADDHYD	.15	1	2	.08	.0	3.57	24.00	1.81	---	12.52	145.31	962.3
XSECTION 108	ADDHYD	9.57	1	2	.08	.0	3.57	24.00	1.90	---	12.59	3983.52	416.4
XSECTION 110	REACH	9.57	1	2	.08	.0	3.57	24.00	1.90	---	12.59	3983.52	416.4
XSECTION 110	RUNOFF	.07	1	2	.08	.0	3.57	24.00	1.54	---	12.59	60.60	830.1
XSECTION 110	ADDHYD	9.64	1	2	.08	.0	3.57	24.00	1.90	---	12.59	4044.12	419.6
XSECTION 122	RUNOFF	.35	1	2	.08	.0	3.57	24.00	2.07	---	12.47	422.06	1188.9
XSECTION 110	ADDHYD	9.99	1	2	.08	.0	3.57	24.00	1.91	---	12.57	4430.09	443.3
XSECTION 111	REACH	9.99	1	2	.08	.0	3.57	24.00	1.91	---	12.57	4430.09	443.3
XSECTION 111	RUNOFF	.07	1	2	.08	.0	3.57	24.00	1.47	---	12.60	55.82	797.4
XSECTION 111	ADDHYD	10.06	1	2	.08	.0	3.57	24.00	1.90	---	12.57	4485.77	445.7
XSECTION 112	REACH	10.06	1	2	.08	.0	3.57	24.00	1.90	---	12.67	4429.57	440.1
XSECTION 112	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.47	---	12.55	51.69	847.3

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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 112	ADDHYD	10.12	1	2	.08	.0	3.57	24.00	1.90	---	12.67	4476.84	442.2
XSECTION 121	RUNOFF	.25	1	2	.08	.0	3.57	24.00	3.00	---	12.44	377.34	1509.4
XSECTION 112	ADDHYD	10.37	1	2	.08	.0	3.57	24.00	1.92	---	12.64	4593.25	442.7
XSECTION 49	RUNOFF	.09	1	2	.08	.0	3.57	24.00	3.00	---	12.44	129.01	1500.1
XSECTION 48	REACH	.09	1	2	.08	.0	3.57	24.00	2.98	---	12.70	122.57	1425.3
XSECTION 20	RUNOFF	.06	1	2	.08	.0	3.57	24.00	3.00	---	12.44	96.60	1509.4
XSECTION 48	REACH	.06	1	2	.08	.0	3.57	24.00	2.97	---	13.07	77.09	1204.6
XSECTION 48	ADDHYD	.15	1	2	.08	.0	3.57	24.00	2.98	---	12.75	184.82	1232.2
XSECTION 48	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.82	---	12.60	119.21	953.7
XSECTION 48	ADDHYD	.28	1	2	.08	.0	3.57	24.00	2.45	---	12.67	296.11	1076.7
XSECTION 56	REACH	.28	1	2	.08	.0	3.57	24.00	2.45	---	12.81	288.45	1048.9
XSECTION 56	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.83	---	12.47	69.83	1108.4
XSECTION 56	ADDHYD	.34	1	2	.08	.0	3.57	24.00	2.33	---	12.60	316.29	935.8
XSECTION 57	REACH	.34	1	2	.08	.0	3.57	24.00	2.33	---	12.60	316.29	935.8
XSECTION 57	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.83	---	12.47	69.83	1108.4
XSECTION 57	ADDHYD	.40	1	2	.08	.0	3.57	24.00	2.25	---	12.55	379.40	946.1
XSECTION 43	RUNOFF	.05	1	2	.08	.0	3.57	24.00	2.51	---	12.44	65.59	1335.6
XSECTION 21	RUNOFF	.19	1	2	.08	.0	3.57	24.00	2.23	---	12.56	212.04	1121.9
XSECTION 21	ADDHYD	.24	1	2	.08	.0	3.57	24.00	2.28	---	12.49	271.50	1150.4
XSECTION 46	REACH	.24	1	2	.08	.0	3.57	24.00	2.28	---	12.49	271.50	1150.4
XSECTION 47	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.83	---	12.49	135.44	1083.5
XSECTION 46	REACH	.13	1	2	.08	.0	3.57	24.00	1.83	---	12.59	133.89	1071.1
XSECTION 46	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.83	---	12.48	136.28	1090.3
XSECTION 46	ADDHYD	.25	1	2	.08	.0	3.57	24.00	1.83	---	12.52	268.27	1073.1
XSECTION 46	ADDHYD	.49	1	2	.08	.0	3.57	24.00	2.05	---	12.50	536.42	1103.8
XSECTION 57	REACH	.49	1	2	.08	.0	3.57	24.00	2.05	---	12.50	536.42	1103.8
XSECTION 57	ADDHYD	.89	1	2	.08	.0	3.57	24.00	2.14	---	12.52	915.52	1032.1
XSECTION 59	REACH	.89	1	2	.08	.0	3.57	24.00	2.14	---	12.52	915.52	1032.1
XSECTION 45	RUNOFF	.13	1	2	.08	.0	3.57	24.00	2.50	---	12.53	157.52	1260.1
XSECTION 59	REACH	.13	1	2	.08	.0	3.57	24.00	2.49	---	12.65	153.28	1226.2
XSECTION 59	ADDHYD	1.01	1	2	.08	.0	3.57	24.00	2.19	---	12.53	1062.86	1050.3
XSECTION 59	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.83	---	12.47	69.83	1108.4
XSECTION 59	ADDHYD	1.07	1	2	.08	.0	3.57	24.00	2.16	---	12.53	1131.51	1052.6
STRUCTURE 59	RESVOR	1.07	1	2	.08	.0	3.57	24.00	2.04	1401.29	13.05	468.28	435.6
XSECTION 66	REACH	1.07	1	2	.08	.0	3.57	24.00	2.04	---	13.05	468.28	435.6
XSECTION 66	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.93	---	12.53	68.27	1083.7

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 2													
XSECTION 66	ADDHYD	1.14	1	2	.08	.0	3.57	24.00	2.03	---	12.83	492.24	432.5
XSECTION 67	REACH	1.14	1	2	.08	.0	3.57	24.00	2.03	---	12.83	492.24	432.5
XSECTION 67	RUNOFF	.06	1	2	.08	.0	3.57	24.00	2.32	---	12.45	81.87	1299.5
XSECTION 67	ADDHYD	1.20	1	2	.08	.0	3.57	24.00	2.05	---	12.65	526.56	438.4
XSECTION 44	RUNOFF	.13	1	2	.08	.0	3.57	24.00	2.24	---	12.47	156.47	1251.8
XSECTION 67	REACH	.13	1	2	.08	.0	3.57	24.00	2.23	---	12.58	153.12	1225.0
XSECTION 67	ADDHYD	1.33	1	2	.08	.0	3.57	24.00	2.07	---	12.63	678.05	511.4
XSECTION 69	REACH	1.33	1	2	.08	.0	3.57	24.00	2.07	---	12.63	678.05	511.4
XSECTION 69	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.75	---	12.61	57.16	907.3
XSECTION 69	ADDHYD	1.39	1	2	.08	.0	3.57	24.00	2.05	---	12.63	735.10	529.2
XSECTION 23	RUNOFF	.09	1	2	.08	.0	3.57	24.00	3.00	---	12.44	135.51	1489.1
XSECTION 41	REACH	.09	1	2	.08	.0	3.57	24.00	2.99	---	12.62	131.67	1447.0
XSECTION 22	RUNOFF	.15	1	2	.08	.0	3.57	24.00	2.23	---	12.52	180.83	1181.9
XSECTION 41	REACH	.15	1	2	.08	.0	3.57	24.00	2.22	---	12.74	173.03	1130.9
XSECTION 41	ADDHYD	.24	1	2	.08	.0	3.57	24.00	2.51	---	12.68	302.07	1238.0
XSECTION 41	RUNOFF	.17	1	2	.08	.0	3.57	24.00	1.98	---	12.51	191.99	1116.2
XSECTION 41	ADDHYD	.42	1	2	.08	.0	3.57	24.00	2.29	---	12.56	478.53	1150.3
XSECTION 42	REACH	.42	1	2	.08	.0	3.57	24.00	2.29	---	12.56	478.53	1150.3
XSECTION 42	RUNOFF	.08	1	2	.08	.0	3.57	24.00	2.24	---	12.45	100.02	1282.3
XSECTION 42	ADDHYD	.49	1	2	.08	.0	3.57	24.00	2.28	---	12.52	572.26	1158.4
XSECTION 78	REACH	.49	1	2	.08	.0	3.57	24.00	2.28	---	12.52	572.26	1158.4
XSECTION 78	RUNOFF	.06	1	2	.08	.0	3.57	24.00	2.15	---	12.46	77.42	1228.9
XSECTION 78	ADDHYD	.56	1	2	.08	.0	3.57	24.00	2.27	---	12.51	645.17	1158.3
XSECTION 40	RUNOFF	.09	1	2	.08	.0	3.57	24.00	1.83	---	12.56	92.89	988.2
XSECTION 82	REACH	.09	1	2	.08	.0	3.57	24.00	1.82	---	12.71	87.53	931.2
XSECTION 82	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.99	---	12.47	73.36	1164.5
XSECTION 82	ADDHYD	.16	1	2	.08	.0	3.57	24.00	1.89	---	12.53	151.09	962.4
XSECTION 81	REACH	.16	1	2	.08	.0	3.57	24.00	1.83	---	12.65	144.65	921.3
XSECTION 81	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.98	---	12.55	66.60	1057.2
XSECTION 81	ADDHYD	.22	1	2	.08	.0	3.57	24.00	1.91	---	12.62	209.30	951.4
XSECTION 78	REACH	.22	1	2	.08	.0	3.57	24.00	1.91	---	12.75	201.29	914.9
XSECTION 78	ADDHYD	.78	1	2	.08	.0	3.57	24.00	2.17	---	12.54	819.72	1055.0
XSECTION 77	REACH	.78	1	2	.08	.0	3.57	24.00	2.17	---	12.54	819.72	1055.0
XSECTION 77	RUNOFF	.06	1	2	.08	.0	3.57	24.00	2.15	---	12.50	74.51	1182.7
XSECTION 77	ADDHYD	.84	1	2	.08	.0	3.57	24.00	2.16	---	12.53	894.50	1064.9
XSECTION 69	ADDHYD	2.23	1	2	.08	.0	3.57	24.00	2.09	---	12.57	1609.15	721.9

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 2													
STRUCTURE 69	RESVOR	2.23	1	2	.08	.0	3.57	24.00	1.90	1386.72	13.66	531.81	238.6
XSECTION 75	REACH	2.23	1	2	.08	.0	3.57	24.00	1.90	---	13.66	531.81	238.6
XSECTION 83	RUNOFF	.06	1	2	.08	0	3.57	24.00	2.06	---	12.55	68.78	1091.7
XSECTION 80	REACH	.06	1	2	.08	.0	3.57	24.00	2.06	---	12.69	65.69	1042.8
XSECTION 80	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.83	---	12.53	64.53	1024.2
XSECTION 80	ADDHYD	.13	1	2	.08	.0	3.57	24.00	1.94	---	12.59	126.50	1004.0
XSECTION 79	REACH	.13	1	2	.08	.0	3.57	24.00	1.94	---	12.72	122.40	971.4
XSECTION 79	RUNOFF	.06	1	2	.08	.0	3.57	24.00	2.32	---	12.45	81.87	1299.5
XSECTION 79	ADDHYD	.19	1	2	.08	.0	3.57	24.00	2.07	---	12.53	188.17	995.6
XSECTION 76	REACH	.19	1	2	.08	.0	3.57	24.00	2.07	---	12.53	188.17	995.6
XSECTION 76	RUNOFF	.06	1	2	.08	.0	3.57	24.00	2.15	---	12.46	77.97	1237.6
XSECTION 76	ADDHYD	.25	1	2	.08	0	3.57	24.00	2.09	---	12.51	262.58	1042.0
XSECTION 75	REACH	.25	1	2	.08	.0	3.57	24.00	2.09	---	12.51	262.58	1042.0
XSECTION 75	ADDHYD	2.48	1	2	.08	.0	3.57	24.00	1.92	---	13.04	593.78	239.3
XSECTION 75	RUNOFF	.06	1	2	.08	.0	3.57	24.00	2.99	---	12.50	88.70	1407.9
XSECTION 75	ADDHYD	2.54	1	2	.08	.0	3.57	24.00	1.94	---	12.60	648.63	255.0
XSECTION 112	REACH	2.54	1	2	.08	.0	3.57	24.00	1.94	---	12.60	648.63	255.0
XSECTION 112	ADDHYD	12.92	1	2	.08	.0	3.57	24.00	1.93	---	12.63	5235.72	405.3
XSECTION 113	REACH	12.92	1	2	.08	.0	3.57	24.00	1.92	---	12.73	5202.45	402.7
XSECTION 113	RUNOFF	.05	1	2	.08	.0	3.57	24.00	2.59	---	12.53	68.59	1294.1
XSECTION 113	ADDHYD	12.97	1	2	.08	.0	3.57	24.00	1.93	---	12.73	5258.61	405.4
XSECTION 120	RUNOFF	.23	1	2	.08	.0	3.57	24.00	2.24	---	12.47	289.16	1251.8
XSECTION 113	ADDHYD	13.20	1	2	.08	.0	3.57	24.00	1.93	---	12.70	5403.39	409.3
XSECTION 58	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.99	---	12.46	73.94	1173.7
XSECTION 60	REACH	.06	1	2	.08	.0	3.57	24.00	1.98	---	12.66	70.83	1124.3
XSECTION 60	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.75	---	12.55	61.05	969.0
XSECTION 60	ADDHYD	.13	1	2	.08	.0	3.57	24.00	1.87	---	12.60	130.25	1033.7
XSECTION 65	REACH	.13	1	2	.08	.0	3.57	24.00	1.86	---	12.71	127.15	1009.2
XSECTION 65	RUNOFF	.05	1	2	.08	0	3.57	24.00	1.83	---	12.55	47.15	1003.7
XSECTION 65	ADDHYD	.17	1	2	.08	0	3.57	24.00	1.85	---	12.65	169.39	979.1
XSECTION 68	REACH	.17	1	2	.08	0	3.57	24.00	1.85	---	12.65	169.39	979.1
XSECTION 68	RUNOFF	.06	1	2	.08	0	3.57	24.00	2.07	---	12.46	75.97	1205.8
XSECTION 68	ADDHYD	.24	1	2	.08	0	3.57	24.00	1.91	---	12.54	236.05	1000.2
XSECTION 70	REACH	.24	1	2	.08	0	3.57	24.00	1.91	---	12.54	236.05	1000.2
XSECTION 70	RUNOFF	.06	1	2	.08	0	3.57	24.00	2.15	---	12.46	77.97	1237.6
XSECTION 70	ADDHYD	.30	1	2	.08	.0	3.57	24.00	1.96	---	12.51	310.07	1037.0

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 2													
XSECTION 74	REACH	.30	1	2	.08	.0	3.57	24.00	1.96	---	12.51	310.07	1037.0
XSECTION 74	RUNOFF	.06	1	2	.08	.0	3.57	24.00	2.50	---	12.45	86.02	1365.4
XSECTION 74	ADDHYD	.36	1	2	.08	.0	3.57	24.00	2.06	---	12.49	394.35	1089.4
XSECTION 113	REACH	.36	1	2	.08	.0	3.57	24.00	2.06	---	12.49	394.35	1089.4
XSECTION 113	ADDHYD	13.56	1	2	.08	.0	3.57	24.00	1.94	---	12.67	5684.43	419.1
XSECTION 114	REACH	13.56	1	2	.08	.0	3.57	24.00	1.93	---	12.84	5474.51	403.6
XSECTION 64	RUNOFF	.25	1	2	.08	.0	3.57	24.00	1.83	---	12.49	267.71	1070.8
XSECTION 72	REACH	.25	1	2	.08	.0	3.57	24.00	1.82	---	12.72	244.32	977.3
XSECTION 72	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.90	---	12.54	129.69	1037.5
XSECTION 72	ADDHYD	.38	1	2	.08	.0	3.57	24.00	1.85	---	12.64	359.49	958.6
XSECTION 114	REACH	.38	1	2	.08	.0	3.57	24.00	1.84	---	12.82	329.94	879.8
XSECTION 115	RUNOFF	.09	1	2	.08	.0	3.57	24.00	1.83	---	12.53	96.28	1024.2
XSECTION 114	ADDHYD	.47	1	2	.08	.0	3.57	24.00	1.84	---	12.72	393.14	838.2
XSECTION 71	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.90	---	12.54	129.69	1037.5
XSECTION 114	REACH	.13	1	2	.08	.0	3.57	24.00	1.89	---	12.84	107.00	856.0
XSECTION 114	ADDHYD	.59	1	2	.08	.0	3.57	24.00	1.85	---	12.75	495.90	834.8
XSECTION 114	RUNOFF	.13	1	2	.08	.0	3.57	24.00	2.05	---	12.90	99.23	775.2
XSECTION 114	ADDHYD	.72	1	2	.08	.0	3.57	24.00	1.89	---	12.77	591.02	818.6
XSECTION 114	ADDHYD	14.29	1	2	.08	.0	3.57	24.00	1.93	---	12.83	6059.70	424.1
XSECTION 119	RUNOFF	.23	1	2	.08	.0	3.57	24.00	1.97	---	12.83	184.55	798.9
XSECTION 114	ADDHYD	14.52	1	2	.08	.0	3.57	24.00	1.93	---	12.83	6244.25	430.1
XSECTION 118	REACH	14.52	1	2	.08	.0	3.57	24.00	1.92	---	12.99	6054.09	417.0
XSECTION 118	RUNOFF	.23	1	2	.08	.0	3.57	24.00	1.73	---	13.18	125.08	541.5
XSECTION 118	ADDHYD	14.75	1	2	.08	.0	3.57	24.00	1.92	---	12.99	6172.55	418.5
XSECTION 50	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.47	---	12.60	106.07	791.2
XSECTION 52	REACH	.13	1	2	.08	.0	3.57	24.00	1.46	---	12.92	85.42	637.4
XSECTION 52	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.75	---	12.58	58.61	930.3
XSECTION 52	ADDHYD	.20	1	2	.08	.0	3.57	24.00	1.55	---	12.74	127.79	648.7
XSECTION 55	REACH	.20	1	2	.08	.0	3.57	24.00	1.55	---	12.91	122.43	621.5
XSECTION 55	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.91	---	12.46	71.89	1141.2
XSECTION 55	ADDHYD	.26	1	2	.08	.0	3.57	24.00	1.64	---	12.56	154.64	594.8
XSECTION 51	RUNOFF	.06	1	2	.08	.0	3.57	24.00	1.91	---	12.45	74.54	1183.2
XSECTION 55	REACH	.06	1	2	.08	.0	3.57	24.00	1.90	---	12.74	65.41	1038.2
XSECTION 55	ADDHYD	.32	1	2	.08	.0	3.57	24.00	1.69	---	12.58	213.35	660.5
XSECTION 53	REACH	.32	1	2	.08	.0	3.57	24.00	1.68	---	12.74	205.39	635.9
XSECTION 53	RUNOFF	.08	1	2	.08	.0	3.57	24.00	1.99	---	12.48	96.58	1149.7

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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 53	ADDHYD	.41	1	2	.08	.0	3.57	24.00	1.75	---	12.59	280.03	688.0
XSECTION 61	REACH	.41	1	2	.08	.0	3.57	24.00	1.74	---	12.74	262.89	645.9
XSECTION 61	RUNOFF	.10	1	2	.08	.0	3.57	24.00	1.91	---	12.46	116.40	1141.2
XSECTION 61	ADDHYD	.51	1	2	.08	.0	3.57	24.00	1.77	---	12.57	339.00	666.0
XSECTION 62	REACH	.51	1	2	.08	.0	3.57	24.00	1.77	---	12.75	309.74	608.5
XSECTION 62	RUNOFF	.13	1	2	.08	.0	3.57	24.00	1.82	---	12.74	105.44	811.1
XSECTION 62	ADDHYD	.64	1	2	.08	.0	3.57	24.00	1.78	---	12.75	415.14	649.7
ALTERNATE 1 STORM 3													
XSECTION 1	RUNOFF	.15	1	2	.08	.0	4.04	24.00	3.46	---	12.45	248.49	1679.0
XSECTION 2	RUNOFF	.10	1	2	.08	.0	4.04	24.00	3.46	---	12.44	165.73	1708.6
XSECTION 3	REACH	.15	1	2	.08	.0	4.04	24.00	3.45	---	12.63	244.59	1652.7
XSECTION 3	REACH	.10	1	2	.08	.0	4.04	24.00	3.44	---	12.70	158.51	1634.1
XSECTION 3	ADDHYD	.25	1	2	.08	.0	4.04	24.00	3.45	---	12.65	400.78	1635.9
XSECTION 3	RUNOFF	.05	1	2	.08	.0	4.04	24.00	1.83	---	12.52	51.36	1092.7
XSECTION 3	ADDHYD	.29	1	2	.08	.0	4.04	24.00	3.19	---	12.59	446.92	1530.5
XSECTION 6	RUNOFF	.11	1	2	.08	.0	4.04	24.00	2.13	---	12.71	106.85	980.3
XSECTION 6	REACH	.29	1	2	.08	.0	4.04	24.00	3.18	1505.54	12.71	443.03	1517.2
XSECTION 6	ADDHYD	.40	1	2	.08	.0	4.04	24.00	2.90	1506.07	12.71	549.88	1371.3
XSECTION 8	REACH	.40	1	2	.08	0	4.04	24.00	2.89	1497.00	12.86	531.54	1325.5
XSECTION 7	RUNOFF	.12	1	2	.08	.0	4.04	24.00	1.83	---	12.65	106.65	911.5
XSECTION 8	REACH	.12	1	2	.08	.0	4.04	24.00	1.82	1495.41	12.77	105.14	898.7
XSECTION 19	RUNOFF	.02	1	2	.08	.0	4.04	24.00	3.47	---	12.44	37.85	1720.5
XSECTION 4	RUNOFF	.19	1	2	.08	.0	4.04	24.00	3.46	---	12.44	330.80	1696.4
XSECTION 4	REACH	.02	1	2	.08	.0	4.04	24.00	3.43	---	12.97	31.76	1443.6
XSECTION 4	ADDHYD	.22	1	2	.08	.0	4.04	24.00	3.46	---	12.45	351.51	1619.9
XSECTION 5	RUNOFF	.13	1	2	.08	.0	4.04	24.00	1.83	---	12.59	122.65	981.2
XSECTION 5	REACH	.22	1	2	.08	.0	4.04	24.00	3.45	---	12.62	342.38	1577.8
XSECTION 5	ADDHYD	.34	1	2	.08	.0	4.04	24.00	2.85	---	12.61	464.83	1359.2
XSECTION 8	REACH	.34	1	2	.08	.0	4.04	24.00	2.84	1496.88	12.85	436.78	1275.7
XSECTION 8	ADDHYD	.52	1	2	.08	.0	4.04	24.00	2.65	1497.09	12.84	633.31	1222.6
XSECTION 8	ADDHYD	.86	1	2	.08	.0	4.04	24.00	2.73	1497.43	12.85	1069.56	1243.7
XSECTION 18	RUNOFF	.18	1	2	.08	.0	4.04	24.00	1.90	---	12.67	171.98	934.7
XSECTION 8	REACH	.18	1	2	.08	.0	4.04	24.00	1.89	1495.70	12.98	146.42	795.7
XSECTION 8	ADDHYD	1.04	1	2	.08	.0	4.04	24.00	2.58	1497.51	12.86	1208.88	1157.9
XSECTION 8	RUNOFF	.13	1	2	.08	.0	4.04	24.00	1.90	---	12.68	119.20	909.9
XSECTION 8	ADDHYD	1.18	1	2	.08	.0	4.04	24.00	2.50	1497.58	12.84	1315.07	1119.2

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											
STRUCTURE	8	RESVOR	1.18	1	2	.08	.0	4.04	24.00	2.29	1496.22	13.48	463.39	394.4
XSECTION	14	REACH	1.18	1	2	.08	.0	4.04	24.00	2.28	1488.05	13.87	446.58	380.1
XSECTION	9	RUNOFF	.07	1	2	.08	.0	4.04	24.00	1.97	---	12.78	56.70	859.0
XSECTION	14	REACH	.07	1	2	.08	.0	4.04	24.00	1.97	1485.27	12.96	53.63	812.6
XSECTION	14	ADDHYD	1.24	1	2	.08	.0	4.04	24.00	2.27	1488.23	13.78	463.34	373.4
XSECTION	10	RUNOFF	.09	1	2	.08	.0	4.04	24.00	1.83	---	12.59	93.22	981.2
XSECTION	11	REACH	.09	1	2	.08	.0	4.04	24.00	1.82	---	12.75	86.58	911.4
XSECTION	11	RUNOFF	.23	1	2	.08	.0	4.04	24.00	1.97	---	12.72	212.10	906.4
XSECTION	11	ADDHYD	.33	1	2	.08	.0	4.04	24.00	1.93	---	12.73	298.55	907.5
XSECTION	13	REACH	.33	1	2	.08	.0	4.04	24.00	1.93	---	12.73	298.55	907.5
XSECTION	13	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.22	---	12.59	140.57	1124.5
XSECTION	13	ADDHYD	.45	1	2	.08	.0	4.04	24.00	2.01	---	12.68	431.13	949.6
XSECTION	144	RUNOFF	.13	1	2	.08	.0	4.04	24.00	1.97	---	12.78	113.39	859.0
XSECTION	14	REACH	.13	1	2	.08	.0	4.04	24.00	1.97	1485.91	12.89	111.92	847.9
XSECTION	13	ADDHYD	.59	1	2	.08	.0	4.04	24.00	2.00	---	12.71	532.09	908.0
XSECTION	14	REACH	.59	1	2	.08	.0	4.04	24.00	2.00	1488.81	12.71	532.09	908.0
XSECTION	14	ADDHYD	1.83	1	2	.08	.0	4.04	24.00	2.18	1488.99	12.85	725.23	397.0
XSECTION	16	RUNOFF	.12	1	2	.08	.0	4.04	24.00	2.56	---	12.54	155.97	1310.7
XSECTION	15	REACH	.12	1	2	.08	.0	4.04	24.00	2.56	---	12.64	155.01	1302.6
XSECTION	15	RUNOFF	.07	1	2	.08	.0	4.04	24.00	2.21	---	12.74	71.32	977.0
XSECTION	15	ADDHYD	.19	1	2	.08	.0	4.04	24.00	2.43	---	12.66	224.76	1170.6
XSECTION	14	ADDHYD	2.02	1	2	.08	.0	4.04	24.00	2.20	1489.16	12.78	932.04	461.6
XSECTION	14	RUNOFF	.18	1	2	.08	.0	4.04	24.00	2.31	---	12.51	227.94	1287.8
XSECTION	14	ADDHYD	2.20	1	2	.08	.0	4.04	24.00	2.21	1489.25	12.67	1084.53	493.9
XSECTION	27	REACH	2.20	1	2	.08	.0	4.04	24.00	2.20	---	12.94	970.41	441.9
XSECTION	27	RUNOFF	.19	1	2	.08	.0	4.04	24.00	2.20	---	12.91	157.15	835.9
XSECTION	27	ADDHYD	2.38	1	2	.08	.0	4.04	24.00	2.20	---	12.94	1127.29	472.9
XSECTION	17	RUNOFF	.06	1	2	.08	.0	4.04	24.00	3.47	---	12.44	101.41	1718.8
XSECTION	25	REACH	.06	1	2	.08	.0	4.04	24.00	3.43	---	12.88	89.43	1515.7
XSECTION	25	RUNOFF	.09	1	2	.08	.0	4.04	24.00	2.31	---	12.52	113.22	1272.2
XSECTION	25	ADDHYD	.15	1	2	.08	.0	4.04	24.00	2.76	---	12.56	188.52	1273.8
XSECTION	27	REACH	.15	1	2	.08	.0	4.04	24.00	2.74	---	12.87	162.18	1095.8
XSECTION	27	ADDHYD	2.53	1	2	.08	.0	4.04	24.00	2.23	---	12.93	1287.86	508.6
XSECTION	26	RUNOFF	.07	1	2	.08	.0	4.04	24.00	2.48	---	12.47	93.38	1303.7
XSECTION	27	ADDHYD	2.60	1	2	.08	.0	4.04	24.00	2.24	---	12.91	1305.83	502.4
XSECTION	37	REACH	2.60	1	2	.08	.0	4.04	24.00	2.24	1455.73	13.04	1292.70	497.4

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 37	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.31	---	12.46	169.10	1352.8
XSECTION 37	ADDHYD	2.72	1	2	.08	.0	4.04	24.00	2.24	1455.75	13.03	1310.61	481.1
STRUCTURE 37	RESVOR	2.72	1	2	.08	.0	4.04	24.00	2.22	1450.64	13.07	1308.22	480.3
XSECTION 24	RUNOFF	.20	1	2	.08	.0	4.04	24.00	2.57	---	12.52	268.81	1357.6
XSECTION 37	REACH	.20	1	2	.08	.0	4.04	24.00	2.56	1453.61	12.61	266.68	1346.9
XSECTION 37	ADDHYD	2.92	1	2	.08	.0	4.04	24.00	2.24	1455.87	12.92	1417.95	485.3
XSECTION 28	RUNOFF	.16	1	2	.08	.0	4.04	24.00	2.21	---	12.76	149.43	957.9
XSECTION 36	REACH	.16	1	2	.08	.0	4.04	24.00	2.19	---	13.27	117.40	752.6
XSECTION 36	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.30	---	12.54	155.70	1245.6
XSECTION 36	ADDHYD	.28	1	2	.08	.0	4.04	24.00	2.24	---	12.62	201.90	718.5
XSECTION 34	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.38	---	12.64	141.66	1133.3
XSECTION 35	REACH	.13	1	2	.08	.0	4.04	24.00	2.38	---	12.76	139.31	1114.5
XSECTION 35	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.30	---	12.54	154.91	1239.3
XSECTION 35	ADDHYD	.25	1	2	.08	.0	4.04	24.00	2.34	---	12.61	281.50	1126.0
XSECTION 36	REACH	.25	1	2	.08	.0	4.04	24.00	2.34	---	12.61	281.50	1126.0
XSECTION 36	ADDHYD	.53	1	2	.08	.0	4.04	24.00	2.29	---	12.61	483.34	910.2
XSECTION 37	REACH	.53	1	2	.08	.0	4.04	24.00	2.29	1454.45	12.61	483.34	910.2
XSECTION 37	ADDHYD	3.45	1	2	.08	.0	4.04	24.00	2.25	1456.29	12.74	1831.59	530.4
STRUCTURE 43	RESVOR	3.45	1	2	.08	.0	4.04	24.00	2.21	1443.24	13.48	1302.91	377.3
XSECTION 143	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.48	---	12.55	80.11	1281.8
XSECTION 143	ADDHYD	3.52	1	2	.08	.0	4.04	24.00	2.21	---	13.47	1311.76	373.1
XSECTION 39	REACH	3.52	1	2	.08	.0	4.04	24.00	2.21	---	13.63	1306.00	371.5
XSECTION 39	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.48	---	12.55	80.11	1281.8
XSECTION 39	ADDHYD	3.58	1	2	.08	.0	4.04	24.00	2.21	---	13.62	1313.06	367.0
XSECTION 38	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.48	---	12.52	167.08	1336.7
XSECTION 39	REACH	.13	1	2	.08	.0	4.04	24.00	2.48	---	12.52	167.08	1336.7
XSECTION 39	ADDHYD	3.70	1	2	.08	.0	4.04	24.00	2.22	---	13.60	1325.25	357.9
XSECTION 85	REACH	3.70	1	2	.08	.0	4.04	24.00	2.22	---	13.74	1322.21	357.1
XSECTION 85	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.39	---	12.55	79.29	1268.6
XSECTION 85	ADDHYD	3.77	1	2	.08	.0	4.04	24.00	2.22	---	13.73	1328.14	352.7
XSECTION 84	REACH	3.77	1	2	.08	.0	4.04	24.00	2.21	---	13.86	1325.39	351.9
XSECTION 84	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.39	---	12.55	79.29	1268.6
XSECTION 84	ADDHYD	3.83	1	2	.08	.0	4.04	24.00	2.22	---	13.85	1330.44	347.5
XSECTION 91	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.57	---	12.52	169.21	1353.7
XSECTION 90	REACH	.13	1	2	.08	.0	4.04	24.00	2.57	---	12.52	169.21	1353.7
XSECTION 90	RUNOFF	.11	1	2	.08	.0	4.04	24.00	2.47	---	12.58	132.92	1219.5

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 3													
XSECTION 90	ADDHYD	.23	1	2	.08	.0	4.04	24.00	2.52	---	12.54	301.14	1286.9
XSECTION 88	REACH	.23	1	2	.08	.0	4.04	24.00	2.52	---	12.54	301.14	1286.9
XSECTION 89	RUNOFF	.05	1	2	.08	.0	4.04	24.00	2.39	---	12.50	62.16	1322.6
XSECTION 88	REACH	.05	1	2	.08	.0	4.04	24.00	2.38	---	12.75	56.34	1198.7
XSECTION 88	RUNOFF	.09	1	2	.08	.0	4.04	24.00	2.65	---	12.64	115.03	1278.7
XSECTION 88	ADDHYD	.14	1	2	.08	.0	4.04	24.00	2.56	---	12.68	169.57	1202.6
XSECTION 88	ADDHYD	.38	1	2	.08	.0	4.04	24.00	2.54	---	12.57	464.64	1239.0
XSECTION 87	REACH	.38	1	2	.08	.0	4.04	24.00	2.54	---	12.57	464.64	1239.0
XSECTION 86	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.57	---	12.46	90.81	1441.4
XSECTION 87	REACH	.06	1	2	.08	.0	4.04	24.00	2.57	---	12.55	89.42	1419.3
XSECTION 87	ADDHYD	.44	1	2	.08	.0	4.04	24.00	2.54	---	12.57	553.92	1264.7
XSECTION 87	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.65	---	12.54	85.98	1364.8
XSECTION 87	ADDHYD	.50	1	2	.08	.0	4.04	24.00	2.55	---	12.57	639.53	1276.5
XSECTION 84	REACH	.50	1	2	.08	.0	4.04	24.00	2.55	---	12.57	639.53	1276.5
XSECTION 84	ADDHYD	4.33	1	2	.08	.0	4.04	24.00	2.26	---	13.01	1447.78	334.4
XSECTION 105	REACH	4.33	1	2	.08	.0	4.04	24.00	2.25	---	13.12	1444.67	333.6
XSECTION 105	RUNOFF	.06	1	2	.08	.0	4.04	24.00	1.90	---	12.61	61.30	973.0
XSECTION 105	ADDHYD	4.39	1	2	.08	.0	4.04	24.00	2.25	---	13.01	1470.12	334.7
XSECTION 101	RUNOFF	.05	1	2	.08	.0	4.04	24.00	2.84	---	12.53	67.37	1433.4
XSECTION 102	REACH	.05	1	2	.08	.0	4.04	24.00	2.82	---	13.03	52.85	1124.5
XSECTION 102	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.22	---	12.60	70.08	1112.4
XSECTION 102	ADDHYD	.11	1	2	.08	.0	4.04	24.00	2.47	---	12.69	108.28	984.4
XSECTION 105	REACH	.11	1	2	.08	.0	4.04	24.00	2.46	---	13.11	89.97	817.9
XSECTION 105	ADDHYD	4.50	1	2	.08	.0	4.04	24.00	2.25	---	13.05	1559.25	346.3
XSECTION 104	REACH	4.50	1	2	.08	.0	4.04	24.00	2.25	---	13.22	1552.55	344.8
XSECTION 104	RUNOFF	.07	1	2	.08	.0	4.04	24.00	1.90	---	12.64	65.89	954.9
XSECTION 104	ADDHYD	4.57	1	2	.08	.0	4.04	24.00	2.24	---	13.17	1575.37	344.6
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	798.7
XSECTION 33	ADDHYD	.55	1	2	.08	.0	4.04	24.00	2.10	---	12.88	428.84	774.1
XSECTION 30	RUNOFF	.25	1	2	.08	.0	4.04	24.00	1.97	---	12.80	208.97	835.9
XSECTION 32	REACH	.25	1	2	.08	.0	4.04	24.00	1.96	---	13.14	183.33	733.3

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 3													
XSECTION 31	RUNOFF	.08	1	2	.08	.0	4.04	24.00	2.30	---	12.57	99.02	1178.8
XSECTION 32	REACH	.08	1	2	.08	.0	4.04	24.00	2.26	---	13.34	60.30	717.9
XSECTION 32	RUNOFF	.18	1	2	.08	.0	4.04	24.00	2.05	---	12.77	160.51	891.7
XSECTION 32	ADDHYD	.26	1	2	.08	.0	4.04	24.00	2.12	---	12.85	193.67	733.6
XSECTION 32	ADDHYD	.51	1	2	.08	.0	4.04	24.00	2.04	---	13.01	361.02	702.4
XSECTION 33	REACH	.51	1	2	.08	.0	4.04	24.00	2.04	---	13.14	357.36	695.2
XSECTION 33	ADDHYD	1.07	1	2	.08	.0	4.04	24.00	2.07	---	12.99	763.19	714.6
STRUCTURE 33	RESVOR	1.07	1	2	.08	.0	4.04	24.00	1.69	1465.02	14.50	154.33	144.5
XSECTION 93	REACH	1.07	1	2	.08	.0	4.04	24.00	1.68	---	14.60	154.31	144.5
XSECTION 93	RUNOFF	.19	1	2	.08	.0	4.04	24.00	2.39	---	12.52	253.10	1297.9
XSECTION 93	ADDHYD	1.26	1	2	.08	.0	4.04	24.00	1.79	---	12.55	264.83	209.7
XSECTION 94	RUNOFF	.14	1	2	.08	.0	4.04	24.00	2.39	---	12.49	186.62	1342.6
XSECTION 93	REACH	.14	1	2	.08	.0	4.04	24.00	2.39	---	12.57	186.37	1340.8
XSECTION 93	ADDHYD	1.40	1	2	.08	.0	4.04	24.00	1.85	---	12.56	451.09	321.8
XSECTION 92	REACH	1.40	1	2	.08	.0	4.04	24.00	1.85	---	12.56	451.09	321.8
XSECTION 92	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.57	---	12.52	169.21	1353.7
XSECTION 92	ADDHYD	1.53	1	2	.08	.0	4.04	24.00	1.91	---	12.55	619.54	405.7
XSECTION 97	REACH	1.53	1	2	.08	.0	4.04	24.00	1.91	---	12.55	619.54	405.7
XSECTION 97	RUNOFF	.19	1	2	.08	.0	4.04	24.00	2.66	---	12.54	254.23	1352.3
XSECTION 97	ADDHYD	1.71	1	2	.08	.0	4.04	24.00	1.99	---	12.55	873.71	509.4
XSECTION 95	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.55	---	12.77	132.85	1062.8
XSECTION 96	REACH	.13	1	2	.08	.0	4.04	24.00	2.55	---	12.92	129.15	1033.2
XSECTION 96	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.22	---	12.55	148.27	1186.2
XSECTION 96	ADDHYD	.25	1	2	.08	.0	4.04	24.00	2.38	---	12.64	251.35	1005.4
XSECTION 97	REACH	.25	1	2	.08	.0	4.04	24.00	2.38	---	12.64	251.35	1005.4
XSECTION 97	ADDHYD	1.96	1	2	.08	.0	4.04	24.00	2.04	---	12.56	1118.36	569.1
XSECTION 98	REACH	1.96	1	2	.08	.0	4.04	24.00	2.04	---	12.56	1118.36	569.1
XSECTION 98	RUNOFF	.09	1	2	.08	.0	4.04	24.00	2.57	---	12.49	131.63	1400.3
XSECTION 98	ADDHYD	2.06	1	2	.08	.0	4.04	24.00	2.07	---	12.55	1247.83	606.0
XSECTION 99	REACH	2.06	1	2	.08	.0	4.04	24.00	2.07	---	12.55	1247.83	606.0
XSECTION 99	RUNOFF	.09	1	2	.08	.0	4.04	24.00	2.56	---	12.53	126.50	1345.7
XSECTION 99	ADDHYD	2.15	1	2	.08	.0	4.04	24.00	2.09	---	12.55	1374.06	638.2
XSECTION 141	RUNOFF	.19	1	2	.08	.0	4.04	24.00	2.66	---	12.54	254.23	1357.3
XSECTION 140	REACH	.19	1	2	.08	.0	4.04	24.00	2.65	---	12.62	253.73	1349.6
XSECTION 140	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.57	---	12.52	170.38	1363.0
XSECTION 140	ADDHYD	.31	1	2	.08	.0	4.04	24.00	2.62	---	12.56	419.51	1340.3

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 137	RUNOFF	.08	1	2	.08	.0	4.04	24.00	2.06	---	12.55	88.26	1131.6
XSECTION 140	ADDHYD	.39	1	2	.08	.0	4.04	24.00	2.51	---	12.56	507.73	1298.5
XSECTION 139	REACH	.39	1	2	.08	.0	4.04	24.00	2.51	---	12.56	507.73	1298.5
XSECTION 139	RUNOFF	.19	1	2	.08	.0	4.04	24.00	2.66	---	12.51	263.45	1401.3
XSECTION 139	ADDHYD	.58	1	2	.08	.0	4.04	24.00	2.56	---	12.54	771.27	1332.1
XSECTION 139	ADDHYD	2.73	1	2	.08	.0	4.04	24.00	2.19	---	12.55	2145.00	785.1
XSECTION 136	RUNOFF	.07	1	2	.08	0	4.04	24.00	3.47	---	12.44	113.44	1718.8
XSECTION 138	REACH	.07	1	2	.08	.0	4.04	24.00	3.44	---	12.69	107.87	1634.5
XSECTION 138	RUNOFF	.20	1	2	.08	.0	4.04	24.00	2.40	---	12.46	283.21	1395.1
XSECTION 138	ADDHYD	.27	1	2	.08	.0	4.04	24.00	2.65	---	12.47	384.32	1428.7
XSECTION 139	REACH	.27	1	2	.08	.0	4.04	24.00	2.64	---	12.61	357.88	1330.4
XSECTION 139	ADDHYD	3.00	1	2	.08	.0	4.04	24.00	2.23	---	12.55	2495.44	831.5
XSECTION 100	RUNOFF	.08	1	2	.08	.0	4.04	24.00	2.57	---	12.50	108.52	1391.3
XSECTION 139	ADDHYD	3.08	1	2	.08	.0	4.04	24.00	2.24	---	12.55	2603.07	845.4
STRUCTURE 39	RESVOR	3.08	1	2	.08	0	4.04	24.00	2.14	1418.15	12.86	1557.77	505.9
XSECTION 129	RUNOFF	.11	1	2	.08	.0	4.04	24.00	2.23	---	12.45	148.01	1370.4
XSECTION 130	RUNOFF	.03	1	2	.08	.0	4.04	24.00	3.05	---	12.44	50.71	1635.7
XSECTION 129	ADDHYD	.14	1	2	.08	.0	4.04	24.00	2.41	---	12.45	198.69	1429.4
XSECTION 127	REACH	.14	1	2	.08	.0	4.04	24.00	2.40	---	12.72	177.95	1280.2
XSECTION 128	RUNOFF	.04	1	2	.08	.0	4.04	24.00	2.07	---	12.45	46.93	1303.7
XSECTION 127	REACH	.04	1	2	.08	.0	4.04	24.00	2.05	---	12.85	36.47	1013.1
XSECTION 127	ADDHYD	.17	1	2	.08	.0	4.04	24.00	2.32	---	12.74	211.70	1209.7
XSECTION 127	RUNOFF	.16	1	2	.08	.0	4.04	24.00	2.23	---	12.45	213.56	1343.1
XSECTION 127	ADDHYD	.33	1	2	.08	.0	4.04	24.00	2.28	---	12.49	389.78	1167.0
XSECTION 132	RUNOFF	.14	1	2	.08	0	4.04	24.00	2.85	---	12.45	222.42	1533.9
XSECTION 133	RUNOFF	.08	1	2	.08	.0	4.04	24.00	3.47	---	12.44	137.50	1718.8
XSECTION 132	ADDHYD	.22	1	2	.08	.0	4.04	24.00	3.07	---	12.45	359.78	1599.0
XSECTION 131	REACH	.22	1	2	.08	.0	4.04	24.00	3.06	---	12.53	354.39	1575.1
XSECTION 131	RUNOFF	.12	1	2	.08	.0	4.04	24.00	2.57	---	12.46	171.53	1441.4
XSECTION 131	ADDHYD	.34	1	2	.08	0	4.04	24.00	2.89	---	12.49	519.69	1510.7
XSECTION 131	ADDHYD	.68	1	2	.08	0	4.04	24.00	2.59	---	12.49	909.47	1341.4
XSECTION 126	REACH	.68	1	2	.08	.0	4.04	24.00	2.59	---	12.49	909.47	1341.4
XSECTION 126	RUNOFF	.16	1	2	.08	.0	4.04	24.00	3.46	---	12.44	265.71	1681.7
XSECTION 126	ADDHYD	.84	1	2	.08	0	4.04	24.00	2.75	---	12.48	1172.83	1402.9
XSECTION 134	REACH	.84	1	2	.08	.0	4.04	24.00	2.75	---	12.48	1172.83	1402.9
XSECTION 135	RUNOFF	.04	1	2	.08	0	4.04	24.00	3.47	---	12.44	72.19	1718.8

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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 134	REACH	.04	1	2	.08	.0	4.04	24.00	3.44	---	12.80	64.58	1537.6
XSECTION 134	ADDHYD	.88	1	2	.08	.0	4.04	24.00	2.79	---	12.48	1228.39	1399.1
XSECTION 134	RUNOFF	.20	1	2	.08	.0	4.04	24.00	2.48	---	12.47	274.55	1393.7
XSECTION 134	ADDHYD	1.07	1	2	.08	.0	4.04	24.00	2.73	---	12.48	1502.91	1398.1
XSECTION 125	RUNOFF	.12	1	2	.08	.0	4.04	24.00	2.32	---	12.45	164.16	1403.1
XSECTION 134	ADDHYD	1.19	1	2	.08	.0	4.04	24.00	2.69	---	12.47	1665.23	1397.0
XSECTION 124	REACH	1.19	1	2	.08	.0	4.04	24.00	2.69	---	12.55	1661.50	1393.9
XSECTION 124	RUNOFF	.22	1	2	.08	.0	4.04	24.00	2.40	---	12.46	303.53	1386.0
XSECTION 124	ADDHYD	1.41	1	2	.08	.0	4.04	24.00	2.64	---	12.53	1952.89	1384.0
XSECTION 124	REACH	3.08	1	2	.08	.0	4.04	24.00	2.14	---	12.86	1557.77	505.9
XSECTION 124	ADDHYD	4.49	1	2	.08	.0	4.04	24.00	2.30	---	12.59	3203.21	713.4
XSECTION 103	RUNOFF	.08	1	2	.08	.0	4.04	24.00	2.40	---	12.46	112.17	1384.9
XSECTION 124	ADDHYD	4.57	1	2	.08	.0	4.04	24.00	2.30	---	12.58	3299.25	721.8
XSECTION 104	REACH	4.57	1	2	.08	.0	4.04	24.00	2.30	---	12.58	3299.25	721.8
XSECTION 104	ADDHYD	9.14	1	2	.08	.0	4.04	24.00	2.27	---	12.63	4405.65	481.9
XSECTION 107	REACH	9.14	1	2	.08	.0	4.04	24.00	2.27	---	12.63	4405.65	481.9
XSECTION 107	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.22	---	12.52	73.26	1241.7
XSECTION 107	ADDHYD	9.20	1	2	.08	.0	4.04	24.00	2.27	---	12.62	4473.68	486.2
XSECTION 123	RUNOFF	.21	1	2	.08	.0	4.04	24.00	3.46	---	12.44	359.53	1687.9
XSECTION 107	ADDHYD	9.41	1	2	.08	.0	4.04	24.00	2.30	---	12.59	4736.97	503.1
XSECTION 108	REACH	9.41	1	2	.08	.0	4.04	24.00	2.30	---	12.59	4736.97	503.1
XSECTION 106	RUNOFF	.06	1	2	.08	.0	4.04	24.00	1.98	---	12.58	66.28	1052.0
XSECTION 108	REACH	.06	1	2	.08	.0	4.04	24.00	1.98	---	12.70	64.54	1024.4
XSECTION 108	RUNOFF	.03	1	2	.08	.0	4.04	24.00	2.31	---	12.47	33.45	1338.1
XSECTION 108	ADDHYD	.09	1	2	.08	.0	4.04	24.00	2.07	---	12.55	91.42	1038.9
XSECTION 109	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.39	---	12.47	86.13	1367.2
XSECTION 108	ADDHYD	.15	1	2	.08	.0	4.04	24.00	2.21	---	12.51	175.11	1159.7
XSECTION 108	ADDHYD	9.57	1	2	.08	.0	4.04	24.00	2.30	---	12.59	4903.93	512.6
XSECTION 110	REACH	9.57	1	2	.08	.0	4.04	24.00	2.30	---	12.59	4903.93	512.6
XSECTION 110	RUNOFF	.07	1	2	.08	.0	4.04	24.00	1.90	---	12.58	74.20	1016.5
XSECTION 110	ADDHYD	9.64	1	2	.08	.0	4.04	24.00	2.29	---	12.59	4978.12	516.5
XSECTION 122	RUNOFF	.35	1	2	.08	.0	4.04	24.00	2.48	---	12.47	497.17	1400.5
XSECTION 110	ADDHYD	9.99	1	2	.08	.0	4.04	24.00	2.30	---	12.57	5432.90	543.6
XSECTION 111	REACH	9.99	1	2	.08	.0	4.04	24.00	2.30	---	12.57	5432.90	543.6
XSECTION 111	RUNOFF	.07	1	2	.08	.0	4.04	24.00	1.83	---	12.59	68.69	981.2
XSECTION 111	ADDHYD	10.06	1	2	.08	.0	4.04	24.00	2.30	---	12.57	5501.50	546.7

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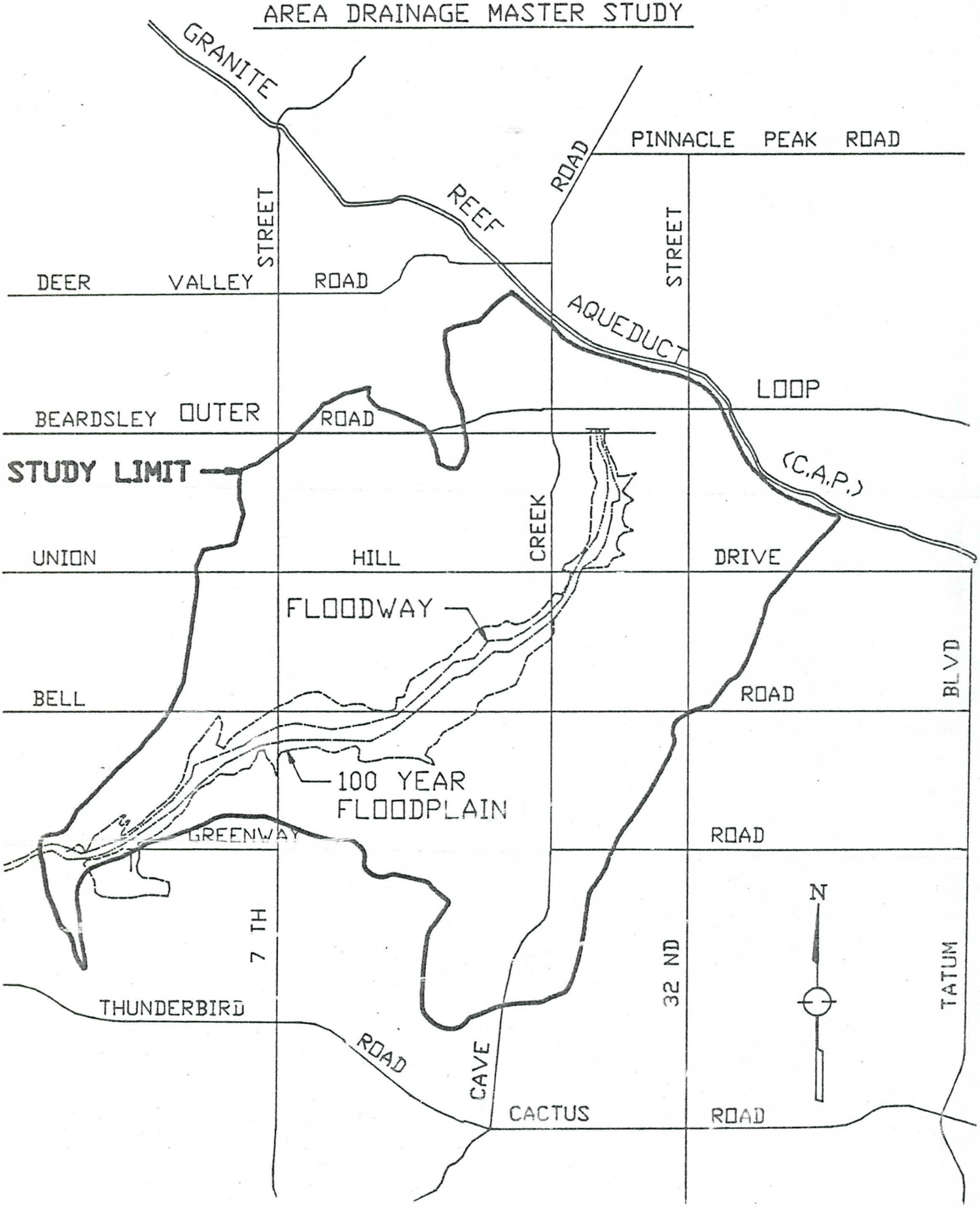
SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION BEGIN (HR)	PRECIPITATION AMOUNT (IN)	PRECIPITATION DURATION (HR)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 1 STORM 3													
XSECTION 112	REACH	10.06	1	2	.08	.0	4.04	24.00	2.29	---	12.66	5449.77	541.5
XSECTION 112	RUNOFF	.06	1	2	.08	.0	4.04	24.00	1.83	---	12.55	63.36	1038.7
XSECTION 112	ADDHYD	10.12	1	2	.08	.0	4.04	24.00	2.29	---	12.66	5507.87	544.0
XSECTION 121	RUNOFF	.25	1	2	.08	.0	4.04	24.00	3.47	---	12.44	429.70	1718.8
XSECTION 112	ADDHYD	10.37	1	2	.08	.0	4.04	24.00	2.32	---	12.63	5647.76	544.4
XSECTION 49	RUNOFF	.09	1	2	.08	.0	4.04	24.00	3.46	---	12.44	146.94	1708.6
XSECTION 48	REACH	.09	1	2	.08	.0	4.04	24.00	3.44	---	12.70	140.68	1635.8
XSECTION 20	RUNOFF	.06	1	2	.08	.0	4.04	24.00	3.47	---	12.44	110.00	1718.8
XSECTION 48	REACH	.06	1	2	.08	.0	4.04	24.00	3.43	---	12.99	89.76	1402.5
XSECTION 48	ADDHYD	.15	1	2	.08	.0	4.04	24.00	3.44	---	12.74	218.80	1458.6
XSECTION 48	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.22	---	12.59	142.93	1143.5
XSECTION 48	ADDHYD	.28	1	2	.08	.0	4.04	24.00	2.88	---	12.66	353.80	1236.5
XSECTION 56	REACH	.28	1	2	.08	.0	4.04	24.00	2.88	---	12.79	346.68	1260.7
XSECTION 56	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.23	---	12.46	83.11	1319.1
XSECTION 56	ADDHYD	.34	1	2	.08	.0	4.04	24.00	2.76	---	12.59	386.92	1144.7
XSECTION 57	REACH	.34	1	2	.08	.0	4.04	24.00	2.76	---	12.59	386.92	1144.7
XSECTION 57	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.23	---	12.46	83.11	1319.1
XSECTION 57	ADDHYD	.40	1	2	.08	.0	4.04	24.00	2.67	---	12.55	463.22	1155.2
XSECTION 43	RUNOFF	.05	1	2	.08	.0	4.04	24.00	2.95	---	12.44	75.70	1610.6
XSECTION 21	RUNOFF	.19	1	2	.08	.0	4.04	24.00	2.65	---	12.55	249.78	1321.6
XSECTION 21	ADDHYD	.24	1	2	.08	.0	4.04	24.00	2.71	---	12.48	319.12	1352.2
XSECTION 46	REACH	.24	1	2	.08	.0	4.04	24.00	2.71	---	12.48	319.12	1352.2
XSECTION 47	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.23	---	12.48	161.49	1291.9
XSECTION 46	REACH	.13	1	2	.08	.0	4.04	24.00	2.22	---	12.58	160.03	1280.2
XSECTION 46	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.23	---	12.47	162.41	1299.3
XSECTION 46	ADDHYD	.25	1	2	.08	.0	4.04	24.00	2.22	---	12.51	317.51	1270.0
XSECTION 46	ADDHYD	.49	1	2	.08	.0	4.04	24.00	2.46	---	12.49	635.94	1308.5
XSECTION 57	REACH	.49	1	2	.08	.0	4.04	24.00	2.46	---	12.49	635.94	1308.5
XSECTION 57	ADDHYD	.89	1	2	.08	.0	4.04	24.00	2.56	---	12.52	1098.96	1239.0
XSECTION 59	REACH	.89	1	2	.08	.0	4.04	24.00	2.56	---	12.52	1098.96	1239.0
XSECTION 45	RUNOFF	.13	1	2	.08	.0	4.04	24.00	2.94	---	12.52	183.10	1464.8
XSECTION 59	REACH	.13	1	2	.08	.0	4.04	24.00	2.93	---	12.64	178.98	1431.9
XSECTION 59	ADDHYD	1.01	1	2	.08	.0	4.04	24.00	2.60	---	12.53	1271.89	1256.8
XSECTION 59	RUNOFF	.06	1	2	.08	.0	4.04	24.00	2.23	---	12.46	83.11	1319.1
XSECTION 59	ADDHYD	1.07	1	2	.08	.0	4.04	24.00	2.58	---	12.52	1353.71	1259.3
STRUCTURE 59	RESVOR	1.07	1	2	.08	.0	4.04	24.00	2.44	1402.33	13.05	538.39	500.8

EAST FORK CAVE CREEK

AREA DRAINAGE MASTER STUDY



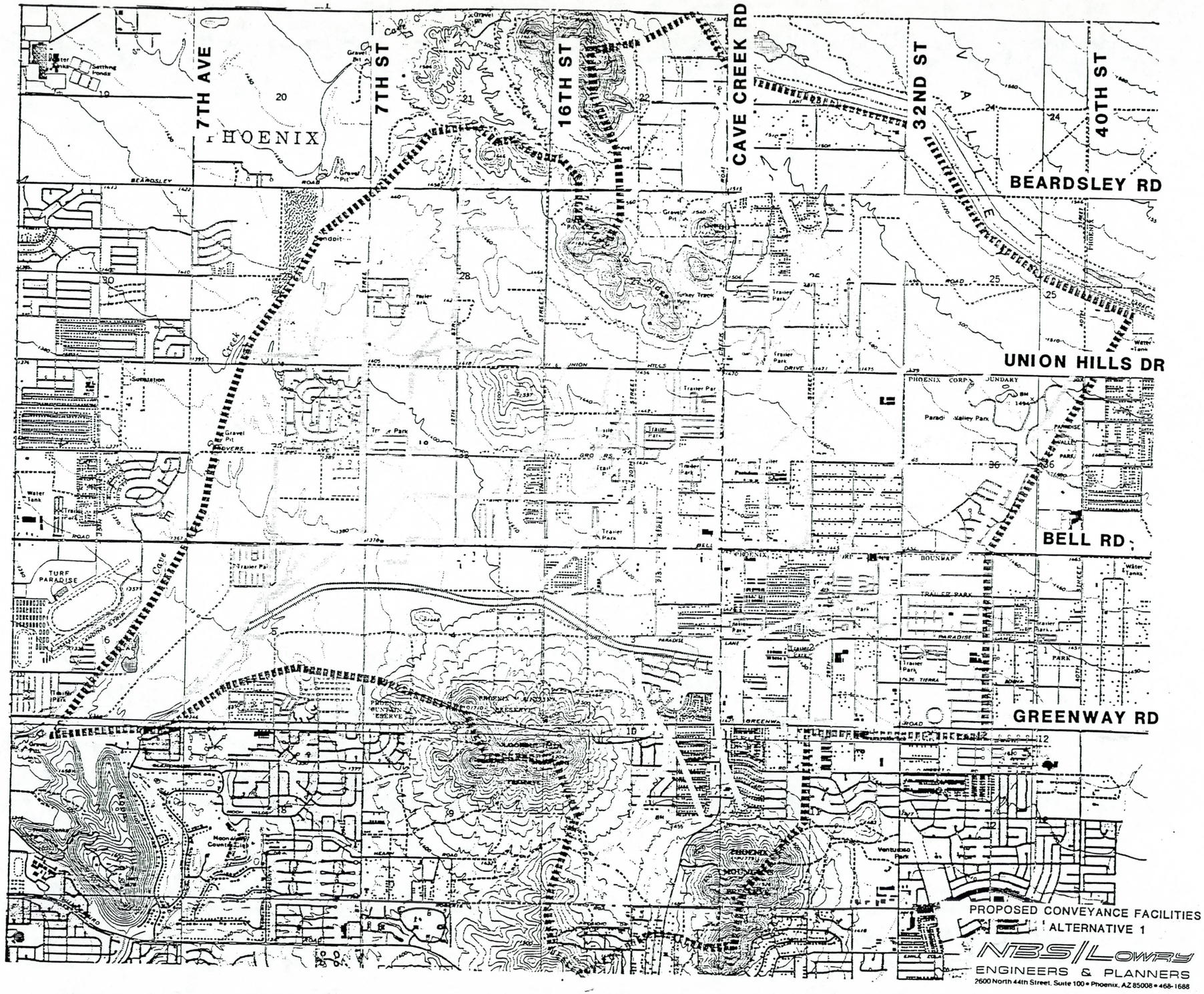

7TH AVE
7TH ST
16TH ST
CAVE CREEK RD
32ND ST
40TH ST
PHOENIX
BEARDSLEY RD
UNION HILLS DR
BELL RD
GREENWAY RD
TURF PARADISE
PROPOSED CONVEYANCE FACILITIES
ALTERNATIVE 1
NBS/LOWRY
ENGINEERS & PLANNERS
2600 North 44th Street, Suite 100 • Phoenix, AZ 85008 • 468-1688

FIGURE 2.1

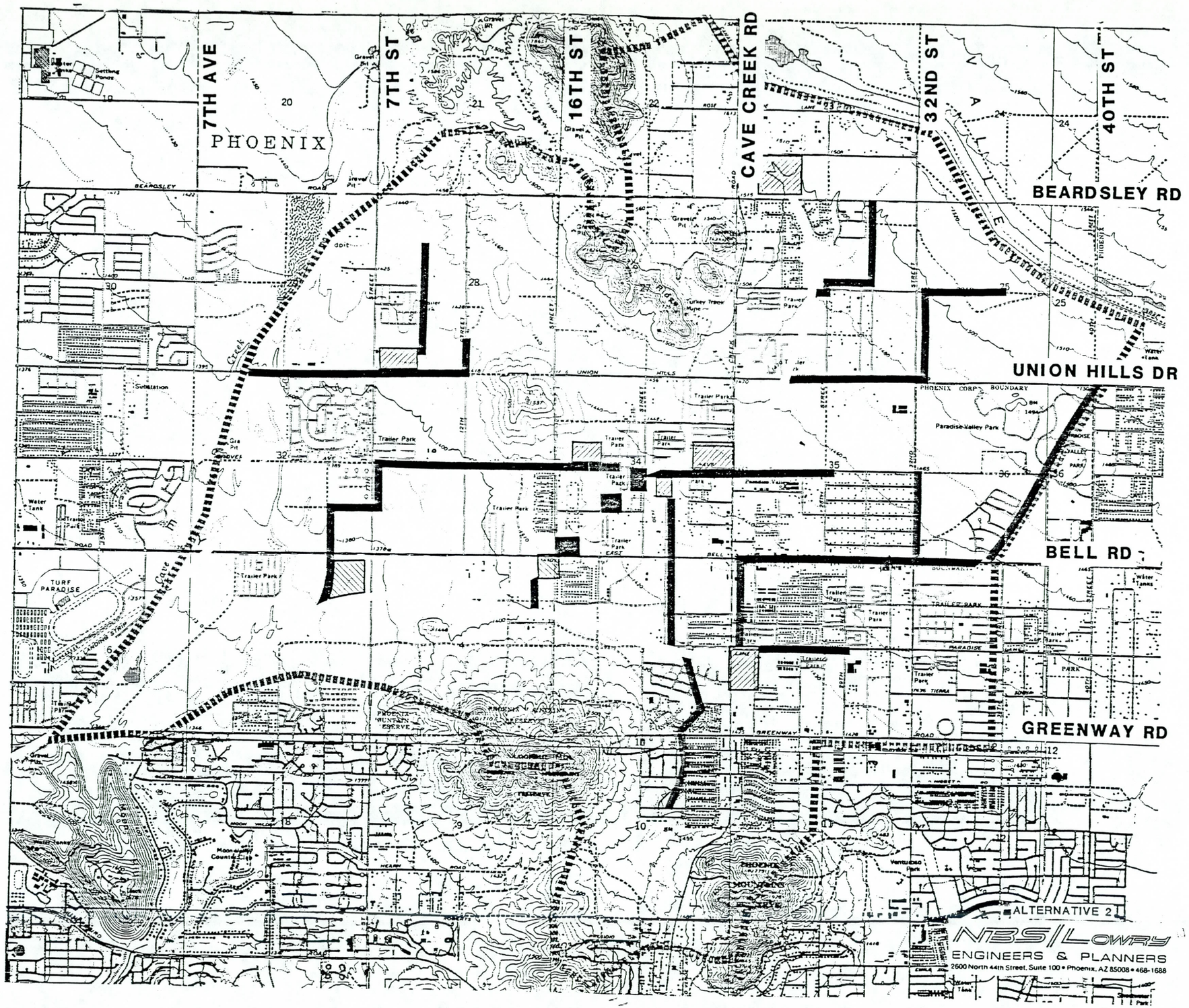

7TH AVE
7TH ST
16TH ST
CAVE CREEK RD
32ND ST
40TH ST
PHOENIX
BEARDSLEY RD
UNION HILLS DR
BELL RD
GREENWAY RD
ALTERNATIVE 2
NBS/LOWRY
ENGINEERS & PLANNERS
2600 North 44th Street, Suite 100 • Phoenix, AZ 85008 • 468-1688

FIGURE 4-2

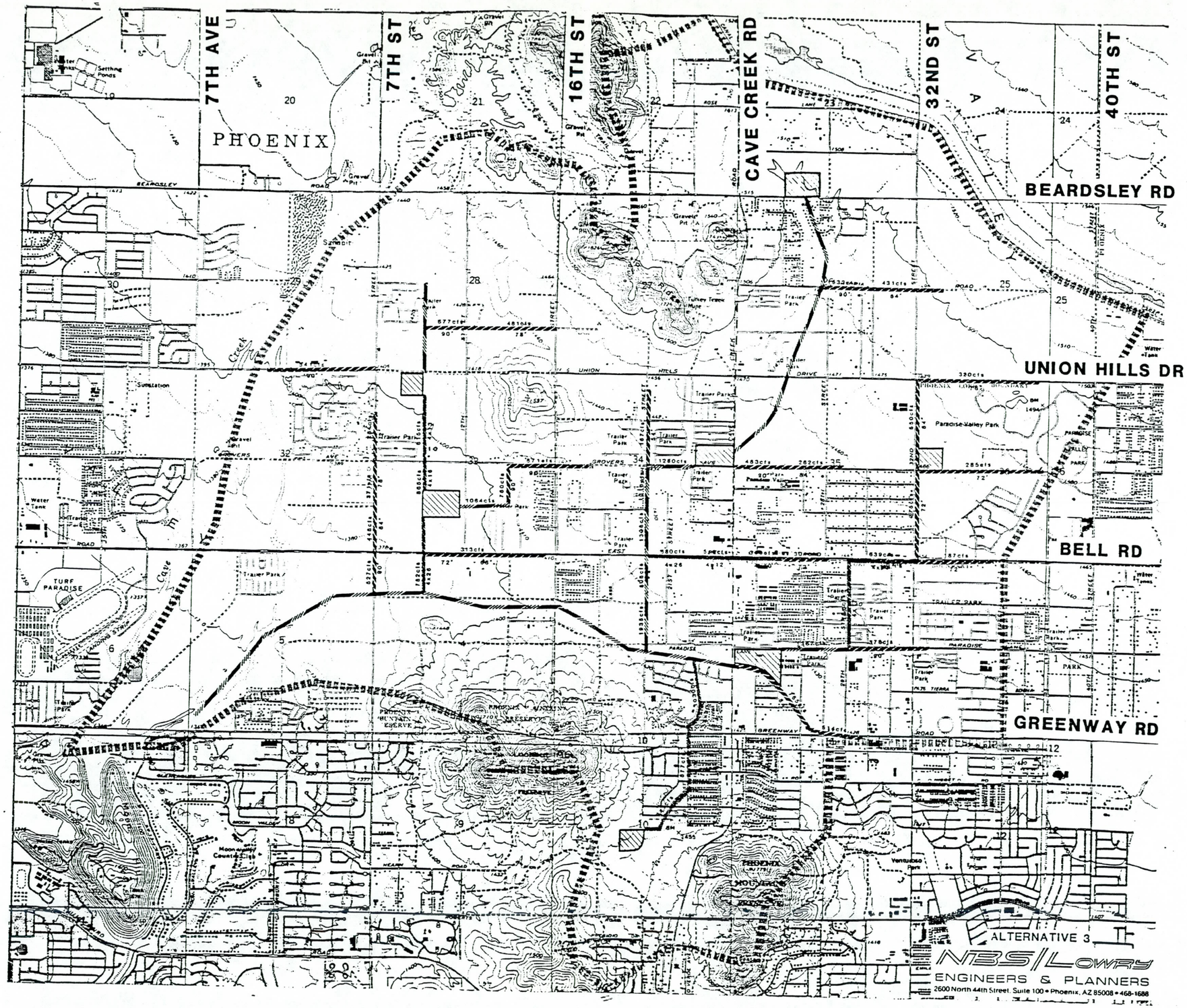

7TH AVE
7TH ST
16TH ST
CAVE CREEK RD
32ND ST
40TH ST
PHOENIX
BEARDSLEY RD
UNION HILLS DR
BELL RD
GREENWAY RD
TURF PARADISE
Paradise Valley Park
ALTERNATIVE 3
NBS/LOWRY
ENGINEERS & PLANNERS
2600 North 44th Street, Suite 100 • Phoenix, AZ 85008 • 468-1688

FIGURE 4.3

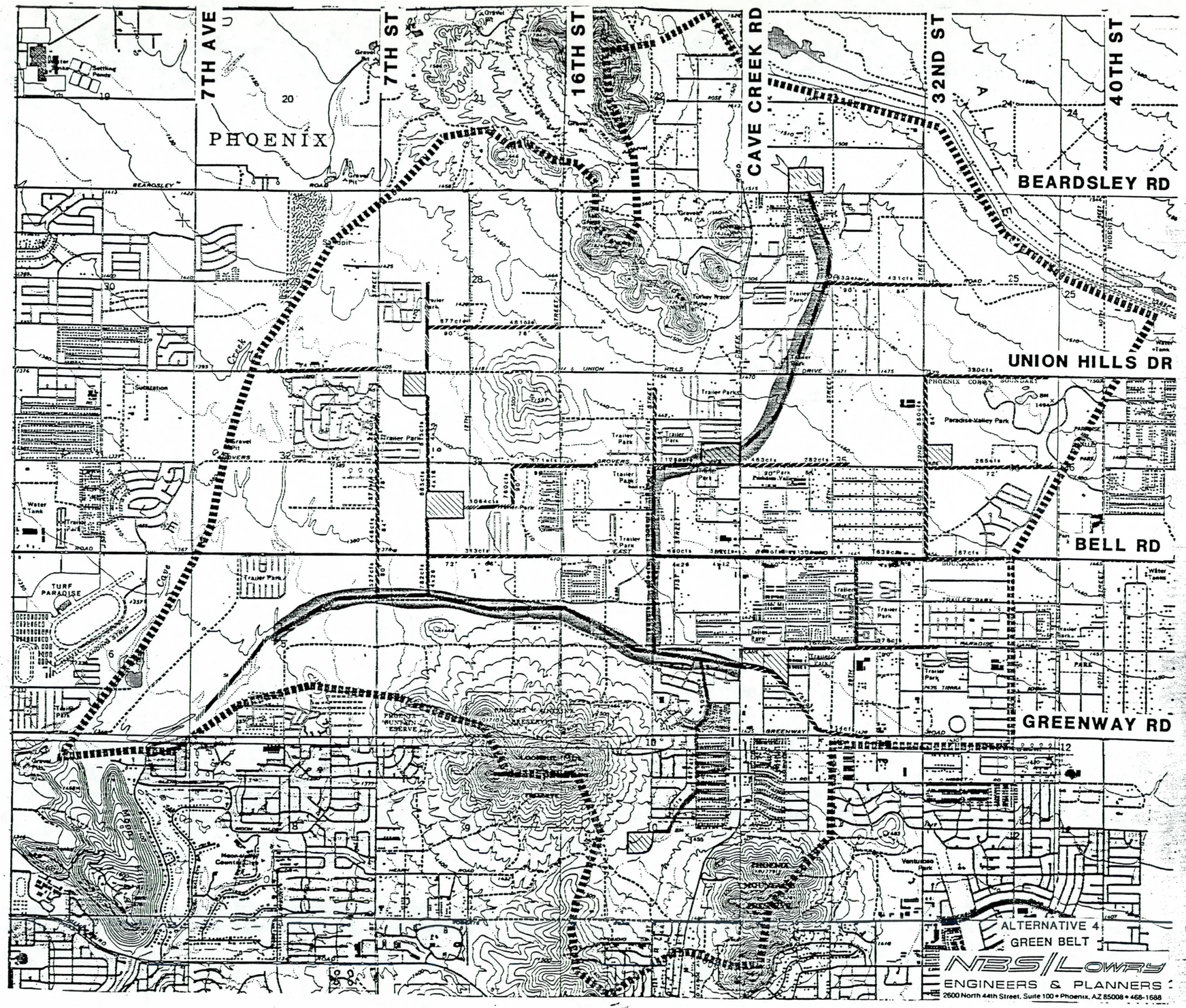
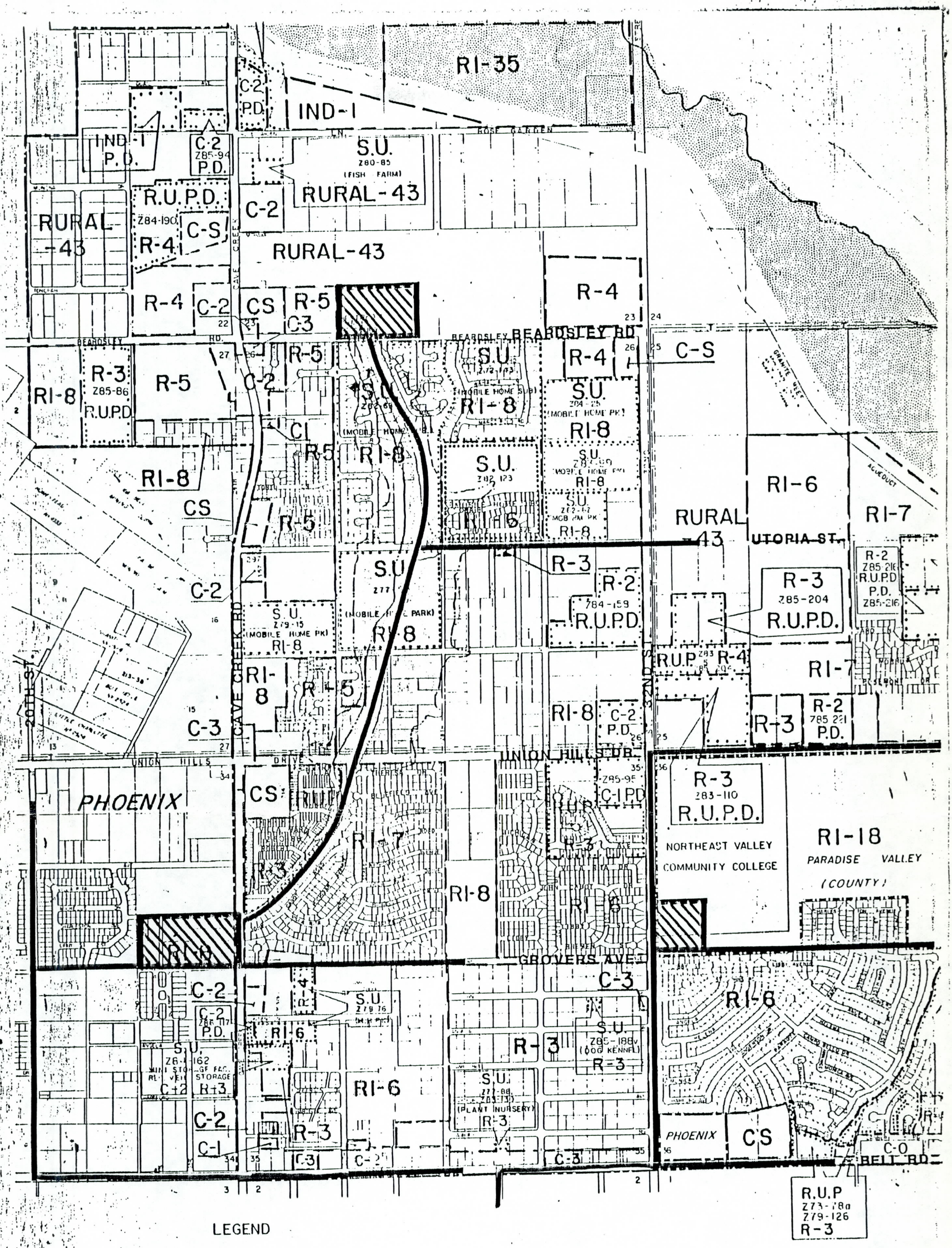

7TH AVE
7TH ST
16TH ST
CAVE CREEK RD
32ND ST
40TH ST
PHOENIX
BEARDSLEY RD
UNION HILLS DR
BELL RD
GREENWAY RD
TURF PARADISE
Paradise Valley Park
ALTERNATIVE 4
GREEN BELT
NBS/LOWRY
ENGINEERS & PLANNERS
2600 North 44th Street, Suite 100 • Phoenix, AZ 85008 • 468-1688

FIGURE 4.4



LEGEND

CORPORATE LIMITS

ZONING DISTRICT BOUNDARY

BOUNDARY DELINEATING SPECIAL USES OR UNIT PLANS OF DEVELOPMENT

FLOODWAY FRINGE DISTRICT ADOPTED 5-21-84

PARK BOUNDARY

FLOODWAY DISTRICT ADOPT

REFER TO 1975 FLOODPLAIN REGULATIONS FOR THE UNINCORPORATED

PARTS OF SEC. 22, 23, 24, 25.
T4N-R3E

EAST FORK
CAVE CREEK ADMS

PIPES

BOX CULVERTS

OPEN CHANNELS

DETENTION BASINS

(ST) (HS)

CC