PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.85	1105.08	(RUNOFF)
12.15	101.28	(RUNOFF)
16.47	71.38	(RUNOFF)
20.00	58.77	(RUNOFF)
23.97	30.19	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 5.45 SQ.MI.

4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.31	3.41
5.81	DISCHG	14.69	41.12	90.17	163.97	261.60	383.03	524.01	673.22	814.25	932.01
6.64	DISCHG	1019.43	1075.29	1101.61	1102.84	1081.50	1041.52	986.65	919.26	843.70	767.24
7.47	DISCHG	697.03	636.27	583.75	537.23	495.90	459.16	426.22	396.91	371.44	349.22
8.30	DISCHG	329.35	311.21	294.31	278.30	262.92	247.97	233.86	220.44	207.68	195.68
9.13	DISCHG	184.61	174.47	165.30	157.20	150.20	144.28	139.25	134.95	131.33	128.24
9.96	DISCHG	125.49	122.96	120.51	118.02	115.40	112.57	109.47	106.11	102.55	98.87
10.79	DISCHG	95.03	91.13	87.27	83.61	80.46	78.04	76.51	76.09	77.02	79.37
11.62	DISCHG	82.85	86.95	91.21	95.14	98.26	100.30	101.19	101.13	100.37	99.19
12.45	DISCHG	97.81	96.44	95.24	94.26	93.42	92.64	91.84	90.89	89.64	88.03
13.28	DISCHG	86.09	83.90	81.48	78.90	76.31	73.81	71.47	69.34	67.49	65.95
14.11	DISCHG	64.69	63.66	62.86	62.27	61.89	61.72	61.76	61.96	62.29	62.71
14.94	DISCHG	63.18	63.69	64.21	64.71	65.19	65.64	66.03	66.37	66.68	67.00
15.77	DISCHG	67.36	67.77	68.27	68.85	69.49	70.12	70.68	71.12	71.35	71.34
16.60	DISCHG	71.06	70.53	69.81	68.95	67.99	66.98	65.95	64.96	64.03	63.18
17.43	DISCHG	62.44	61.82	61.31	60.88	60.51	60.19	59.92	59.69	59.49	59.32
18.26	DISCHG	59.18	59.06	58.96	58.88	58.82	58.76	58.72	58.69	58.67	58.65
19.09	DISCHG	58.64	58.64	58.64	58.64	58.65	58.66	58.67	58.69	58.71	58.73
19.92	DISCHG	58.75	58.77	58.75	58.63	58.40	58.02	57.44	56.62	55.53	54.20
20.75	DISCHG	52.65	50.94	49.10	47.15	45.16	43.19	41.31	39.58	38.07	36.82
21.58	DISCHG	35.84	35.07	34.46	33.96	33.51	33.07	32.63	32.17	31.74	31.33
22.41	DISCHG	31.00	30.75	30.60	30.54	30.54	30.57	30.59	30.56	30.47	30.32
23.24	DISCHG	30.13	29.95	29.81	29.73	29.73	29.81	29.92	30.05	30.15	30.19
24.07	DISCHG	30.10	29.82	29.32	28.60	27.63	26.37	24.84	23.09	21.19	19.23

RUNOFF VOLUME ABOVE BASEFLOW = 0.81 WATERSHED INCHES, 2832.08 CFS-HRS, 234.04 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 39
OUTPUT HYDROGRAPH= 6
AREA= 3.96 SQ MI INPUT RUNOFF CURVE= 76. TIME OF CONCENTRATION= 1.41 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0855 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.85	829.74	(RUNOFF)
12.15	74.81	(RUNOFF)
16.47	52.67	(RUNOFF)
20.00	43.34	(RUNOFF)
23.97	22.25	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 3.96 SQ.MI.

4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.29	2.79
5.81	DISCHG	11.59	31.88	69.20	125.15	199.04	290.70	396.79	508.74	614.26	702.13
6.64	DISCHG	767.13	808.40	827.49	827.77	811.15	780.56	738.85	687.86	630.89	573.40
7.47	DISCHG	520.67	475.06	435.65	400.76	369.75	342.20	317.50	295.53	276.43	259.77
8.30	DISCHG	244.89	231.30	218.65	206.67	195.18	184.03	173.51	163.51	154.01	145.07
9.13	DISCHG	136.84	129.29	122.47	116.45	111.24	106.84	103.09	99.89	97.20	94.90
9.96	DISCHG	92.85	90.96	89.13	87.28	85.33	83.22	80.92	78.43	75.80	73.07
10.79	DISCHG	70.23	67.35	64.49	61.78	59.46	57.67	56.54	56.22	56.91	58.64
11.62	DISCHG	61.21	64.24	67.38	70.28	72.58	74.09	74.75	74.70	74.14	73.26
12.45	DISCHG	72.24	71.23	70.34	69.62	68.99	68.42	67.82	67.12	66.20	65.00
13.28	DISCHG	63.57	61.95	60.16	58.26	56.34	54.50	52.77	51.19	49.83	48.69
14.11	DISCHG	47.76	47.00	46.40	45.97	45.69	45.56	45.59	45.74	45.98	46.29
14.94	DISCHG	46.64	47.01	47.39	47.76	48.12	48.44	48.73	48.98	49.21	49.45
15.77	DISCHG	49.71	50.01	50.38	50.81	51.28	51.74	52.16	52.48	52.65	52.64
16.60	DISCHG	52.43	52.04	51.51	50.87	50.17	49.41	48.66	47.93	47.24	46.61
17.43	DISCHG	46.06	45.61	45.23	44.91	44.64	44.40	44.20	44.03	43.88	43.76
18.26	DISCHG	43.65	43.57	43.49	43.43	43.38	43.34	43.31	43.29	43.27	43.26
19.09	DISCHG	43.25	43.25	43.25	43.25	43.25	43.26	43.27	43.28	43.30	43.31
19.92	DISCHG	43.32	43.34	43.32	43.24	43.07	42.78	42.35	41.75	40.95	39.96
20.75	DISCHG	38.82	37.56	36.20	34.77	33.30	31.85	30.46	29.18	28.07	27.15
21.58	DISCHG	26.42	25.86	25.41	25.03	24.70	24.38	24.05	23.72	23.40	23.10
22.41	DISCHG	22.85	22.67	22.56	22.52	22.52	22.54	22.55	22.53	22.46	22.35
23.24	DISCHG	22.21	22.08	21.97	21.92	21.92	21.97	22.06	22.15	22.22	22.25
24.07	DISCHG	22.18	21.98	21.62	21.08	20.37	19.44	18.31	17.02	15.62	14.17

RUNOFF VOLUME ABOVE BASEFLOW = 0.82 WATERSHED INCHES, 2110.53 CFS-HRS, 174.41 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 40
OUTPUT HYDROGRAPH= 6
AREA= 1.49 SQ MI INPUT RUNOFF CURVE= 75. TIME OF CONCENTRATION= 1.25 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0833 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.74	309.29	(RUNOFF)
12.05	27.58	(RUNOFF)
16.41	19.03	(RUNOFF)
20.00	15.53	(RUNOFF)
23.95	8.04	(RUNOFF)

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 1.49 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	1.12
5.81	DISCHG	4.80	13.45	29.87	55.27	89.20	130.93	177.59	223.35	261.27	288.11
6.64	DISCHG	303.71	309.17	306.53	296.27	280.26	259.82	236.19	211.99	190.58	172.86
7.47	DISCHG	157.52	143.82	131.60	120.55	110.67	102.19	95.10	89.06	83.82	79.25
8.30	DISCHG	75.21	71.48	67.90	64.34	60.77	57.26	53.83	50.53	47.46	44.66
9.13	DISCHG	42.15	39.96	38.10	36.60	35.34	34.24	33.27	32.41	31.64	30.96
9.96	DISCHG	30.40	29.95	29.57	29.20	28.76	28.20	27.48	26.60	25.60	24.52
10.79	DISCHG	23.42	22.33	21.27	20.33	19.58	19.09	18.95	19.22	19.96	21.13
11.62	DISCHG	22.55	24.04	25.43	26.58	27.31	27.57	27.45	27.05	26.46	25.78

12.45	DISCHG	25.18	24.76	24.49	24.34	24.27	24.24	24.11	23.82	23.37	22.78
13.28	DISCHG	22.09	21.31	20.51	19.73	19.01	18.35	17.79	17.34	16.97	16.65
14.11	DISCHG	16.40	16.21	16.07	15.99	15.97	16.02	16.11	16.24	16.40	16.57
14.94	DISCHG	16.74	16.91	17.06	17.20	17.33	17.43	17.52	17.60	17.68	17.77
15.77	DISCHG	17.88	18.01	18.17	18.36	18.57	18.76	18.91	19.01	19.02	18.94
16.60	DISCHG	18.77	18.54	18.26	17.95	17.62	17.31	17.01	16.74	16.51	16.32
17.43	DISCHG	16.17	16.04	15.94	15.85	15.77	15.71	15.65	15.61	15.57	15.54
18.26	DISCHG	15.52	15.50	15.49	15.48	15.47	15.46	15.46	15.46	15.46	15.46
19.09	DISCHG	15.46	15.47	15.47	15.47	15.48	15.49	15.49	15.50	15.50	15.51
19.92	DISCHG	15.52	15.53	15.52	15.48	15.40	15.26	15.05	14.75	14.37	13.92
20.75	DISCHG	13.42	12.88	12.32	11.74	11.15	10.60	10.10	9.68	9.34	9.10
21.58	DISCHG	8.93	8.81	8.73	8.67	8.60	8.51	8.39	8.27	8.14	8.03
22.41	DISCHG	7.95	7.91	7.92	7.95	8.00	8.05	8.08	8.07	8.03	7.96
23.24	DISCHG	7.89	7.82	7.77	7.76	7.79	7.85	7.92	7.98	8.03	8.03
24.07	DISCHG	7.98	7.87	7.68	7.40	7.05	6.60	6.08	5.51	4.93	4.36

RUNOFF VOLUME ABOVE BASEFLOW = 0.76 WATERSHED INCHES, 731.45 CFS-HRS, 60.45 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 41
OUTPUT HYDROGRAPH= 6
AREA= 1.58 SQ MI INPUT RUNOFF CURVE= 77. TIME OF CONCENTRATION= 1.09 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0807 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.61	424.49	(RUNOFF)
11.95	32.93	(RUNOFF)
12.82	27.77	(RUNOFF)
16.33	21.87	(RUNOFF)
19.97	17.61	(RUNOFF)
23.89	9.20	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 1.58 SQ.MI.

4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	2.48
5.81	DISCHG	9.81	26.29	57.25	104.55	165.50	235.08	304.54	362.71	402.22	421.67
6.64	DISCHG	423.49	411.01	386.77	354.72	318.34	281.63	249.01	222.04	199.37	179.69
7.47	DISCHG	162.17	146.40	132.55	120.74	110.71	102.30	95.41	89.79	85.23	81.38
8.30	DISCHG	77.84	74.25	70.43	66.40	62.28	58.25	54.41	50.89	47.76	45.01
9.13	DISCHG	42.65	40.67	38.99	37.59	36.46	35.59	34.96	34.47	34.07	33.74
9.96	DISCHG	33.48	33.25	32.97	32.59	32.05	31.27	30.24	29.01	27.65	26.25
10.79	DISCHG	24.86	23.56	22.37	21.38	20.73	20.53	20.84	21.76	23.33	25.36
11.62	DISCHG	27.59	29.70	31.45	32.58	32.93	32.59	31.73	30.56	29.36	28.36
12.45	DISCHG	27.70	27.41	27.41	27.58	27.75	27.74	27.46	26.88	26.06	25.08
13.28	DISCHG	24.02	22.96	21.98	21.10	20.35	19.75	19.27	18.87	18.54	18.28
14.11	DISCHG	18.07	17.93	17.86	17.87	17.96	18.12	18.32	18.55	18.79	19.03
14.94	DISCHG	19.26	19.46	19.64	19.79	19.91	20.02	20.11	20.18	20.27	20.36
15.77	DISCHG	20.49	20.67	20.90	21.17	21.44	21.67	21.83	21.87	21.77	21.54
16.60	DISCHG	21.20	20.80	20.36	19.92	19.51	19.13	18.82	18.56	18.35	18.19
17.43	DISCHG	18.05	17.94	17.85	17.77	17.71	17.66	17.62	17.59	17.56	17.55
18.26	DISCHG	17.53	17.52	17.51	17.51	17.51	17.51	17.51	17.51	17.52	17.52

19.09	DISCHG	17.53	17.53	17.54	17.54	17.55	17.56	17.57	17.58	17.58	17.59
19.92	DISCHG	17.60	17.61	17.59	17.51	17.37	17.13	16.77	16.30	15.74	15.11
20.75	DISCHG	14.44	13.74	13.03	12.31	11.63	11.03	10.53	10.14	9.87	9.71
21.58	DISCHG	9.64	9.62	9.62	9.60	9.54	9.42	9.27	9.09	8.93	8.82
22.41	DISCHG	8.77	8.79	8.88	8.99	9.10	9.18	9.20	9.14	9.04	8.91
23.24	DISCHG	8.78	8.69	8.66	8.71	8.81	8.94	9.07	9.17	9.20	9.15
24.07	DISCHG	9.02	8.79	8.45	8.01	7.46	6.81	6.10	5.37	4.65	3.97

RUNOFF VOLUME ABOVE BASEFLOW = 0.85 WATERSHED INCHES, 869.90 CFS-HRS, 71.89 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 42
OUTPUT HYDROGRAPH= 6
AREA= 0.91 SQ MI INPUT RUNOFF CURVE= 76. TIME OF CONCENTRATION= 0.93 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0886 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.50	256.71	(RUNOFF)
11.85	19.35	(RUNOFF)
12.77	15.58	(RUNOFF)
16.26	12.31	(RUNOFF)
19.97	9.80	(RUNOFF)
23.82	5.20	(RUNOFF)

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 0.91 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	2.25
5.81	DISCHG	8.45	22.38	47.59	84.70	130.27	177.84	218.89	245.71	256.22	253.04
6.64	DISCHG	238.69	216.77	191.52	166.13	144.29	126.82	112.43	100.17	89.42	79.89
7.47	DISCHG	71.64	64.54	58.49	53.44	49.39	46.31	44.08	42.46	41.11	39.78
8.30	DISCHG	38.27	36.47	34.39	32.16	29.88	27.67	25.64	23.89	22.49	21.46
9.13	DISCHG	20.70	20.09	19.61	19.23	18.93	18.70	18.52	18.38	18.27	18.19
9.96	DISCHG	18.13	18.06	17.93	17.68	17.28	16.68	15.90	15.03	14.13	13.26
10.79	DISCHG	12.48	11.80	11.24	10.87	10.74	10.91	11.49	12.51	13.92	15.51
11.62	DISCHG	17.05	18.32	19.14	19.34	18.90	18.03	17.01	16.03	15.27	14.83
12.45	DISCHG	14.74	14.93	15.22	15.48	15.58	15.44	15.04	14.46	13.76	13.05
13.28	DISCHG	12.38	11.78	11.29	10.91	10.61	10.37	10.18	10.02	9.90	9.80
14.11	DISCHG	9.74	9.71	9.74	9.81	9.94	10.10	10.28	10.45	10.62	10.76
14.94	DISCHG	10.88	10.98	11.05	11.12	11.17	11.21	11.25	11.29	11.33	11.39
15.77	DISCHG	11.49	11.62	11.80	11.99	12.16	12.28	12.31	12.25	12.07	11.83
16.60	DISCHG	11.54	11.24	10.95	10.69	10.48	10.31	10.17	10.07	9.99	9.92
17.43	DISCHG	9.87	9.83	9.80	9.77	9.76	9.74	9.73	9.73	9.72	9.72
18.26	DISCHG	9.72	9.72	9.72	9.72	9.72	9.72	9.73	9.73	9.74	9.74
19.09	DISCHG	9.75	9.75	9.76	9.76	9.77	9.77	9.78	9.78	9.79	9.79
19.92	DISCHG	9.80	9.80	9.78	9.71	9.58	9.36	9.06	8.70	8.31	7.89
20.75	DISCHG	7.46	7.03	6.61	6.21	5.86	5.57	5.35	5.21	5.15	5.17
21.58	DISCHG	5.22	5.28	5.31	5.30	5.23	5.12	4.99	4.87	4.79	4.75
22.41	DISCHG	4.79	4.87	4.99	5.09	5.17	5.19	5.15	5.06	4.95	4.84
23.24	DISCHG	4.76	4.74	4.77	4.86	4.98	5.09	5.18	5.20	5.17	5.08
24.07	DISCHG	4.93	4.73	4.47	4.14	3.73	3.28	2.82	2.37	1.95	1.57

RUNOFF VOLUME ABOVE BASEFLOW = 0.80 WATERSHED INCHES, 472.15 CFS-HRS, 39.02 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 43
OUTPUT HYDROGRAPH= 6
AREA= 1.24 SQ MI INPUT RUNOFF CURVE= 81. TIME OF CONCENTRATION= 0.68 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0907 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.29	652.88	(RUNOFF)
11.70	35.57	(RUNOFF)
12.67	26.52	(RUNOFF)
16.13	20.46	(RUNOFF)
19.90	15.75	(RUNOFF)
21.67	8.66	(RUNOFF)
22.68	8.62	(RUNOFF)
23.68	8.64	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 1.24 SQ.MI.

4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	5.28	22.00
5.81	DISCHG	63.13	142.84	270.24	417.40	552.00	635.54	651.52	610.65	535.90	448.67
6.64	DISCHG	365.92	300.00	250.24	211.48	180.52	156.07	136.45	120.30	106.62	94.86
7.47	DISCHG	84.86	76.71	70.53	66.35	63.87	62.58	61.96	61.45	60.49	58.52
8.30	DISCHG	55.30	51.18	46.79	42.66	39.14	36.46	34.54	33.16	32.14	31.39
9.13	DISCHG	30.84	30.44	30.16	29.96	29.82	29.72	29.65	29.61	29.58	29.57
9.96	DISCHG	29.57	29.45	29.05	28.15	26.71	24.87	22.92	21.07	19.48	18.26
10.79	DISCHG	17.37	16.74	16.27	16.15	16.70	18.30	21.08	24.70	28.59	32.14
11.62	DISCHG	34.67	35.57	34.51	31.94	28.87	25.92	23.60	22.37	22.28	23.03
12.45	DISCHG	24.21	25.42	26.30	26.48	25.73	24.29	22.62	20.98	19.52	18.39
13.28	DISCHG	17.56	16.95	16.50	16.16	15.92	15.75	15.62	15.54	15.47	15.45
14.11	DISCHG	15.49	15.63	15.89	16.25	16.65	17.04	17.38	17.66	17.86	18.01
14.94	DISCHG	18.12	18.21	18.28	18.33	18.37	18.40	18.43	18.47	18.54	18.70
15.77	DISCHG	19.00	19.40	19.83	20.21	20.44	20.41	20.08	19.50	18.80	18.09
16.60	DISCHG	17.45	16.94	16.57	16.31	16.12	15.97	15.87	15.79	15.73	15.69
17.43	DISCHG	15.67	15.65	15.63	15.63	15.62	15.62	15.62	15.62	15.62	15.63
18.26	DISCHG	15.63	15.64	15.64	15.65	15.66	15.66	15.67	15.67	15.68	15.69
19.09	DISCHG	15.69	15.70	15.70	15.71	15.72	15.72	15.73	15.73	15.74	15.75
19.92	DISCHG	15.75	15.73	15.63	15.36	14.86	14.14	13.32	12.48	11.70	10.98
20.75	DISCHG	10.28	9.59	8.94	8.36	7.91	7.64	7.59	7.74	7.99	8.29
21.58	DISCHG	8.54	8.66	8.58	8.34	8.01	7.68	7.41	7.27	7.31	7.53
22.41	DISCHG	7.84	8.18	8.47	8.61	8.56	8.34	8.03	7.70	7.43	7.29
23.24	DISCHG	7.32	7.53	7.84	8.18	8.47	8.63	8.58	8.37	8.06	7.71
24.07	DISCHG	7.30	6.80	6.14	5.30	4.36	3.42	2.59	1.91	1.41	1.05

RUNOFF VOLUME ABOVE BASEFLOW = 1.08 WATERSHED INCHES, 868.74 CFS-HRS, 71.79 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 44
OUTPUT HYDROGRAPH= 6
AREA= 1.94 SQ MI INPUT RUNOFF CURVE= 81. TIME OF CONCENTRATION= 1.22 HOURS

INTERNAL HYDROGRAPH TIME INCREMENT= 0.0813 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.68	652.82	(RUNOFF)
12.03	45.12	(RUNOFF)
16.39	30.49	(RUNOFF)
19.98	24.61	(RUNOFF)
23.94	12.69	(RUNOFF)

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 1.94 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	1.46	6.75
5.81	DISCHG	19.99	45.82	89.34	153.06	234.56	328.57	426.64	516.50	586.33	630.78
6.64	DISCHG	650.69	649.65	631.38	597.81	553.66	502.99	449.61	399.01	356.19	320.67
7.47	DISCHG	289.60	262.05	237.57	215.61	196.39	180.16	166.51	154.82	144.83	136.19
8.30	DISCHG	128.62	121.69	115.10	108.53	102.04	95.69	89.56	83.74	78.40	73.59
9.13	DISCHG	69.33	65.65	62.60	60.06	57.85	55.89	54.15	52.61	51.29	50.22
9.96	DISCHG	49.40	48.80	48.25	47.63	46.88	45.93	44.69	43.19	41.48	39.66
10.79	DISCHG	37.81	35.98	34.25	32.71	31.51	30.77	30.63	31.20	32.56	34.60
11.62	DISCHG	37.03	39.55	41.86	43.72	44.82	45.12	44.77	43.95	42.82	41.60
12.45	DISCHG	40.59	39.91	39.50	39.30	39.26	39.22	38.98	38.45	37.66	36.63
13.28	DISCHG	35.42	34.11	32.78	31.51	30.34	29.30	28.43	27.72	27.14	26.65
14.11	DISCHG	26.26	25.96	25.75	25.63	25.63	25.72	25.89	26.12	26.38	26.66
14.94	DISCHG	26.93	27.20	27.44	27.66	27.85	28.01	28.14	28.27	28.39	28.53
15.77	DISCHG	28.70	28.90	29.16	29.47	29.80	30.10	30.34	30.47	30.47	30.30
16.60	DISCHG	29.99	29.58	29.10	28.57	28.03	27.52	27.04	26.61	26.25	25.95
17.43	DISCHG	25.71	25.51	25.34	25.20	25.08	24.98	24.89	24.82	24.76	24.72
18.26	DISCHG	24.68	24.65	24.62	24.60	24.59	24.57	24.57	24.56	24.56	24.55
19.09	DISCHG	24.55	24.56	24.56	24.56	24.57	24.57	24.58	24.58	24.59	24.60
19.92	DISCHG	24.60	24.61	24.59	24.52	24.38	24.14	23.77	23.26	22.62	21.88
20.75	DISCHG	21.06	20.19	19.27	18.34	17.41	16.53	15.75	15.11	14.60	14.23
21.58	DISCHG	13.98	13.82	13.71	13.62	13.52	13.37	13.19	12.99	12.79	12.62
22.41	DISCHG	12.49	12.45	12.47	12.54	12.63	12.71	12.75	12.73	12.66	12.54
23.24	DISCHG	12.42	12.30	12.22	12.22	12.28	12.38	12.50	12.61	12.68	12.68
24.07	DISCHG	12.59	12.38	12.06	11.60	11.00	10.26	9.40	8.48	7.55	6.63

RUNOFF VOLUME ABOVE BASEFLOW = 1.08 WATERSHED INCHES, 1358.61 CFS-HRS, 112.28 ACRE-FEET; BASEFLOW = 0.00 CFS

EXECUTIVE CONTROL OPERATION ENDCMP COMPUTATIONS COMPLETED FOR PASS 1 RECORD ID

100 YEAR 24 HOUR STORM

EXECUTIVE CONTROL OPERATION COMPUT FROM STRUCTURE 1 TO STRUCTURE 44 RECORD ID
STARTING TIME = 0.00 RAIN DEPTH = 4.50 RAIN DURATION= 1.00 RAIN TABLE NO.= 7 ANT. MOIST. COND= 2
ALTERNATE NO.= 1 STORM NO.= 1 MAIN TIME INCREMENT = 0.08 HOURS

OPERATION RUNOFF STRUCTURE 1
OUTPUT HYDROGRAPH= 6
AREA= 54.24 SQ MI INPUT RUNOFF CURVE= 79. TIME OF CONCENTRATION= 4.75 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0833 HOURS

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
9.24 13703.48 (RUNOFF)

TIME(HRS)		FIRST HYDROGRAPH POINT = 0.00 HOURS				TIME INCREMENT = 0.08 HOURS			DRAINAGE AREA = 54.24 SQ.MI.		
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.28	12.61	36.04
5.81	DISCHG	76.61	140.69	237.50	360.00	507.59	685.77	896.57	1127.50	1375.69	1646.31
6.64	DISCHG	1941.77	2259.55	2602.20	2977.66	3385.96	3823.16	4292.06	4800.49	5341.06	5906.22
7.47	DISCHG	6493.52	7099.18	7706.35	8303.21	8881.28	9432.24	9958.83	10459.22	10922.39	11344.85
8.30	DISCHG	11735.24	12093.23	12407.85	12680.13	12918.17	13121.35	13283.51	13414.91	13526.99	13617.08
9.13	DISCHG	13675.83	13702.02	13695.39	13651.26	13569.13	13463.75	13345.54	13212.63	13064.23	12902.25
9.96	DISCHG	12727.34	12536.59	12328.22	12102.84	11859.31	11593.07	11304.83	10999.19	10677.88	10343.10
10.79	DISCHG	10004.09	9670.80	9348.28	9041.88	8750.88	8473.66	8214.10	7972.28	7741.13	7516.02
11.62	DISCHG	7298.91	7090.13	6888.13	6692.81	6506.19	6328.58	6158.06	5995.02	5841.09	5694.95
12.45	DISCHG	5553.02	5415.53	5282.77	5154.01	5027.85	4904.73	4785.44	4670.58	4560.40	4455.53
13.28	DISCHG	4356.30	4261.43	4170.46	4084.03	4001.56	3921.09	3842.55	3766.38	3692.31	3619.78
14.11	DISCHG	3549.40	3481.40	3415.13	3349.80	3286.20	3224.75	3164.85	3106.23	3049.42	2994.30
14.94	DISCHG	2939.66	2885.26	2831.98	2780.35	2730.64	2683.25	2638.59	2596.12	2554.35	2513.49
15.77	DISCHG	2473.76	2434.91	2396.71	2359.54	2323.72	2289.29	2256.08	2224.45	2194.60	2166.45
16.60	DISCHG	2139.71	2114.26	2090.08	2066.65	2043.68	2021.14	1999.37	1978.61	1958.85	1940.14
17.43	DISCHG	1922.46	1905.42	1888.86	1872.77	1857.37	1842.71	1828.66	1815.15	1801.86	1788.51
18.26	DISCHG	1775.07	1761.62	1748.20	1734.78	1721.50	1708.66	1696.38	1684.68	1673.61	1663.08
19.09	DISCHG	1652.57	1642.02	1631.46	1620.93	1610.46	1600.06	1589.79	1579.70	1569.79	1560.03
19.92	DISCHG	1550.42	1540.98	1531.59	1522.22	1512.87	1503.52	1494.05	1484.49	1474.85	1465.15
20.75	DISCHG	1455.36	1445.49	1435.55	1425.50	1415.31	1404.90	1394.27	1383.37	1372.25	1361.07
21.58	DISCHG	1349.95	1338.93	1328.08	1317.39	1306.24	1294.68	1282.71	1270.29	1257.46	1244.34
22.41	DISCHG	1230.93	1217.27	1203.38	1189.36	1175.24	1161.02	1146.73	1132.38	1118.06	1103.76
23.24	DISCHG	1089.50	1075.27	1061.18	1047.29	1033.61	1020.16	1006.98	994.10	981.40	968.87
24.07	DISCHG	956.53	944.39	932.40	920.53	908.78	897.19	885.67	874.19	862.79	851.49

RUNOFF VOLUME ABOVE BASEFLOW = 2.33 WATERSHED INCHES, 81594.51 CFS-HRS, 6742.97 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 2
OUTPUT HYDROGRAPH= 6
AREA= 52.96 SQ MI INPUT RUNOFF CURVE= 79. TIME OF CONCENTRATION= 4.33 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0825 HOURS

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
8.93 14486.80 (RUNOFF)

TIME(HRS)		FIRST HYDROGRAPH POINT = 0.00 HOURS				TIME INCREMENT = 0.08 HOURS			DRAINAGE AREA = 52.96 SQ.MI.		
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.05	2.86	14.99	42.51
5.81	DISCHG	91.39	170.80	288.56	441.13	625.77	848.33	1105.31	1387.94	1696.97	2037.66
6.64	DISCHG	2407.48	2808.37	3249.77	3732.91	4254.83	4819.88	5432.23	6081.26	6756.14	7450.36
7.47	DISCHG	8151.18	8841.98	9507.45	10137.98	10737.16	11300.17	11814.34	12280.98	12705.90	13080.92
8.30	DISCHG	13398.72	13672.27	13903.79	14088.36	14234.78	14352.96	14437.43	14480.19	14482.50	14441.67
9.13	DISCHG	14355.98	14236.80	14097.57	13940.36	13764.29	13572.13	13361.54	13128.90	12874.48	12597.43
9.96	DISCHG	12293.08	11959.60	11603.97	11230.32	10843.65	10453.99	10072.43	9707.96	9365.34	9039.43
10.79	DISCHG	8732.87	8447.95	8177.75	7915.59	7663.30	7421.66	7187.44	6963.19	6751.18	6549.53
11.62	DISCHG	6356.78	6174.28	6001.60	5833.47	5669.68	5510.34	5354.32	5201.24	5052.48	4909.32
12.45	DISCHG	4772.41	4643.50	4523.89	4411.99	4306.36	4207.42	4114.47	4023.74	3935.44	3850.11
13.28	DISCHG	3767.88	3688.50	3612.25	3539.13	3467.92	3399.02	3332.56	3268.43	3206.47	3146.48
14.11	DISCHG	3087.92	3029.32	2971.21	2914.11	2858.55	2805.12	2754.17	2705.25	2657.18	2610.47
14.94	DISCHG	2565.28	2521.25	2478.30	2436.61	2396.02	2356.09	2317.05	2279.04	2242.00	2206.20
15.77	DISCHG	2171.87	2138.86	2107.06	2076.90	2048.42	2021.52	1996.29	1972.62	1949.98	1927.86
16.60	DISCHG	1906.53	1886.22	1867.07	1849.25	1832.87	1817.68	1803.24	1789.45	1776.12	1763.14
17.43	DISCHG	1750.52	1738.29	1726.49	1715.21	1704.52	1694.30	1684.20	1674.07	1663.95	1653.78
18.26	DISCHG	1643.50	1633.12	1622.65	1612.00	1601.21	1590.35	1579.44	1568.45	1557.44	1546.43
19.09	DISCHG	1535.44	1524.47	1513.63	1502.91	1492.32	1481.83	1471.46	1461.16	1450.97	1440.91
19.92	DISCHG	1430.95	1421.19	1411.84	1403.10	1395.08	1387.86	1381.36	1375.21	1369.12	1363.01
20.75	DISCHG	1356.85	1350.62	1344.22	1337.56	1330.65	1323.41	1315.76	1307.68	1299.18	1290.17
21.58	DISCHG	1280.58	1270.39	1259.61	1248.22	1236.20	1223.60	1210.48	1196.90	1182.92	1168.66
22.41	DISCHG	1154.21	1139.60	1124.88	1110.12	1095.34	1080.50	1065.67	1050.86	1036.08	1021.36
23.24	DISCHG	1006.85	992.62	978.68	965.04	951.72	938.74	926.07	913.71	901.68	889.97
24.07	DISCHG	878.50	867.24	856.24	845.47	834.84	824.36	814.07	803.93	793.84	783.78

RUNOFF VOLUME ABOVE BASEFLOW = 2.34 WATERSHED INCHES, 79999.18 CFS-HRS, 6611.13 ACRE-FEET, BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 3
OUTPUT HYDROGRAPH= 6
AREA= 51.77 SQ MI INPUT RUNOFF CURVE= 79. TIME OF CONCENTRATION= 3.96 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0825 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET) (RUNOFF)
8.65	15226.81	

TIME(HRS)		FIRST HYDROGRAPH POINT = 0.00 HOURS				TIME INCREMENT = 0.08 HOURS			DRAINAGE AREA = 51.77 SQ.MI.		
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.07	3.27	17.27	49.18
5.81	DISCHG	107.18	203.72	347.54	535.20	764.55	1040.35	1354.77	1701.05	2084.16	2505.47
6.64	DISCHG	2967.25	3478.27	4040.93	4652.45	5317.97	6038.66	6799.25	7585.77	8389.03	9186.10
7.47	DISCHG	9953.56	10679.95	11363.68	11998.33	12572.96	13090.49	13552.94	13950.95	14285.33	14565.50
8.30	DISCHG	14790.38	14963.13	15096.56	15186.87	15225.13	15212.94	15147.52	15029.35	14877.71	14703.82
9.13	DISCHG	14507.38	14289.73	14049.49	13782.03	13487.01	13162.87	12804.69	12412.48	11995.44	11559.99
9.96	DISCHG	11113.59	10673.54	10252.81	9857.64	9485.22	9136.55	8813.16	8506.63	8211.00	7927.39
10.79	DISCHG	7654.68	7392.17	7143.01	6907.65	6683.38	6471.45	6271.40	6077.69	5889.79	5706.96
11.62	DISCHG	5527.06	5350.74	5179.40	5013.77	4855.84	4707.65	4568.71	4438.22	4316.56	4202.69
12.45	DISCHG	4094.75	3993.02	3896.76	3804.99	3718.24	3635.80	3556.19	3479.83	3407.22	3337.74
13.28	DISCHG	3271.04	3207.01	3144.39	3082.63	3022.36	2964.07	2908.49	2855.99	2805.80	2756.23

14.11	DISCHG	2707.62	2659.99	2612.92	2566.67	2521.62	2477.54	2434.56	2392.98	2352.46	2312.74
14.94	DISCHG	2273.80	2235.13	2196.33	2157.78	2120.05	2083.44	2048.25	2014.86	1983.26	1953.58
15.77	DISCHG	1925.88	1900.23	1876.67	1854.77	1833.87	1813.58	1793.96	1775.15	1757.33	1740.85
16.60	DISCHG	1725.98	1712.86	1701.41	1691.22	1681.70	1672.61	1663.76	1655.01	1646.35	1637.73
17.43	DISCHG	1629.05	1620.27	1611.33	1602.21	1592.84	1583.18	1573.19	1562.85	1552.14	1541.13
18.26	DISCHG	1529.89	1518.45	1506.89	1495.28	1483.62	1471.92	1460.27	1448.93	1438.14	1428.18
19.09	DISCHG	1419.16	1411.09	1403.62	1396.34	1389.28	1382.41	1375.72	1369.21	1362.90	1356.82
19.92	DISCHG	1350.99	1345.43	1340.14	1335.11	1330.27	1325.52	1320.80	1316.05	1311.16	1306.08
20.75	DISCHG	1300.77	1295.14	1289.14	1282.73	1275.86	1268.47	1260.52	1251.95	1242.69	1232.72
21.58	DISCHG	1222.00	1210.54	1198.36	1185.46	1171.93	1157.81	1143.21	1128.24	1113.00	1097.57
22.41	DISCHG	1082.08	1066.61	1051.15	1035.71	1020.31	1004.95	989.63	974.47	959.54	944.90
23.24	DISCHG	930.57	916.58	903.01	889.91	877.25	865.01	853.23	841.90	830.96	820.40
24.07	DISCHG	810.18	800.29	790.73	781.38	772.23	763.28	754.46	745.65	736.82	727.84

RUNOFF VOLUME ABOVE BASEFLOW = 2.34 WATERSHED INCHES, 78203.99 CFS-HRS, 6462.78 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 4
OUTPUT HYDROGRAPH= 6
AREA= 27.41 SQ MI INPUT RUNOFF CURVE= 78. TIME OF CONCENTRATION= 3.96 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0825 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET) (RUNOFF)
8.67	7485.06	

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 27.41 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22	7.21	21.69
5.81	DISCHG	48.60	93.96	162.42	252.38	362.75	496.10	648.52	816.38	1002.18	1206.71
6.64	DISCHG	1430.81	1678.84	1952.24	2249.64	2573.43	2924.61	3296.04	3681.07	4075.13	4466.95
7.47	DISCHG	4845.02	5203.42	5541.29	5855.69	6140.94	6398.31	6629.14	6828.67	6996.86	7138.46
8.30	DISCHG	7252.77	7341.17	7410.58	7459.33	7482.66	7481.17	7453.25	7398.94	7327.91	7245.87
9.13	DISCHG	7152.63	7048.89	6934.16	6806.08	6664.38	6508.48	6335.86	6146.30	5944.04	5732.11
9.96	DISCHG	5514.27	5299.00	5092.74	4898.80	4715.87	4544.52	4385.67	4235.13	4089.80	3950.31
10.79	DISCHG	3816.14	3686.80	3563.94	3447.86	3337.20	3232.62	3133.95	3038.42	2945.78	2855.68
11.62	DISCHG	2766.97	2679.94	2595.31	2513.46	2435.32	2361.98	2293.24	2228.70	2168.56	2112.34
12.45	DISCHG	2059.07	2008.88	1961.41	1916.16	1873.39	1832.77	1793.52	1755.84	1719.98	1685.68
13.28	DISCHG	1652.76	1621.18	1590.31	1559.78	1529.95	1501.07	1473.52	1447.48	1422.59	1397.99
14.11	DISCHG	1373.83	1350.14	1326.71	1303.66	1281.20	1259.19	1237.72	1216.92	1196.66	1176.78
14.94	DISCHG	1157.29	1137.94	1118.49	1099.14	1080.19	1061.81	1044.13	1027.38	1011.52	996.62
15.77	DISCHG	982.71	969.84	958.02	947.05	936.59	926.44	916.63	907.23	898.32	890.06
16.60	DISCHG	882.62	876.06	870.34	865.26	860.52	856.01	851.61	847.27	842.97	838.69
17.43	DISCHG	834.39	830.02	825.58	821.03	816.37	811.55	806.56	801.40	796.04	790.52
18.26	DISCHG	784.89	779.15	773.36	767.53	761.68	755.81	749.95	744.22	738.76	733.70
19.09	DISCHG	729.11	725.00	721.19	717.49	713.89	710.39	706.98	703.66	700.44	697.35
19.92	DISCHG	694.38	691.55	688.86	686.30	683.84	681.42	679.02	676.60	674.11	671.52
20.75	DISCHG	668.82	665.95	662.88	659.61	656.10	652.32	648.25	643.86	639.12	634.01
21.58	DISCHG	628.51	622.63	616.38	609.77	602.82	595.58	588.08	580.39	572.57	564.64
22.41	DISCHG	556.68	548.74	540.80	532.86	524.96	517.06	509.19	501.40	493.73	486.21
23.24	DISCHG	478.85	471.66	464.69	457.95	451.45	445.16	439.11	433.29	427.67	422.24
24.07	DISCHG	416.99	411.91	406.99	402.19	397.49	392.89	388.36	383.83	379.29	374.68

RUNOFF VOLUME ABOVE BASEFLOW = 2.20 WATERSHED INCHES, 38921.82 CFS-HRS, 3216.50 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 5
OUTPUT HYDROGRAPH= 6
AREA= 23.68 SQ MI INPUT RUNOFF CURVE= 81. TIME OF CONCENTRATION= 2.47 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0823 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
7.54	11288.60	(RUNOFF)
16.83	708.51	(RUNOFF)

TIME(HRS)		FIRST HYDROGRAPH POINT = 0.00 HOURS				TIME INCREMENT = 0.08 HOURS			DRAINAGE AREA =		23.68 SQ.MI.
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.11	5.42	25.93	76.84
5.81	DISCHG	176.76	343.90	592.43	920.64	1330.39	1815.74	2380.00	3031.04	3778.32	4609.02
6.64	DISCHG	5507.14	6431.43	7345.72	8202.64	8967.00	9628.09	10169.70	10601.24	10921.68	11142.69
7.47	DISCHG	11258.32	11287.61	11232.43	11097.65	10884.45	10622.73	10316.21	9963.31	9557.01	9103.94
8.30	DISCHG	8610.50	8105.01	7605.70	7141.31	6722.84	6342.03	5999.54	5677.66	5377.21	5095.93
9.13	DISCHG	4835.81	4591.26	4362.06	4141.07	3929.41	3726.87	3536.28	3358.84	3195.82	3043.46
9.96	DISCHG	2902.64	2768.73	2642.44	2523.41	2412.64	2308.12	2210.16	2118.11	2032.61	1951.19
10.79	DISCHG	1874.31	1801.84	1733.63	1667.72	1604.95	1545.37	1490.00	1438.51	1391.35	1348.21
11.62	DISCHG	1309.38	1274.31	1243.26	1216.92	1195.57	1178.06	1163.95	1152.62	1143.09	1134.27
12.45	DISCHG	1125.76	1117.60	1109.82	1102.58	1095.79	1088.53	1080.80	1072.60	1063.89	1054.31
13.28	DISCHG	1043.32	1030.74	1016.31	999.78	981.03	960.48	938.81	916.77	895.23	874.83
14.11	DISCHG	856.21	839.39	823.92	809.15	795.06	781.58	768.64	756.31	744.73	734.09
14.94	DISCHG	724.65	716.54	709.86	704.50	700.33	697.14	694.73	692.99	691.84	691.26
15.77	DISCHG	691.21	691.61	692.39	693.54	695.00	696.72	698.60	700.59	702.62	704.54
16.60	DISCHG	706.21	707.51	708.31	708.48	707.92	706.63	704.63	701.97	698.75	695.08
17.43	DISCHG	691.00	686.61	681.98	677.18	672.22	667.21	662.22	657.27	652.37	647.57
18.26	DISCHG	642.88	638.40	634.18	630.29	626.78	623.61	620.77	618.19	615.82	613.66
19.09	DISCHG	611.68	609.86	608.20	606.67	605.26	603.97	602.80	601.75	600.80	599.94
19.92	DISCHG	599.16	598.43	597.63	596.73	595.58	594.16	592.39	590.25	587.56	584.27
20.75	DISCHG	580.15	575.16	569.14	562.10	554.16	545.34	535.84	525.68	515.04	503.96
21.58	DISCHG	492.70	481.27	469.85	458.51	447.53	436.94	426.81	417.12	407.87	399.08
22.41	DISCHG	390.79	383.02	375.82	369.18	363.10	357.56	352.51	347.96	343.92	340.36
23.24	DISCHG	337.14	334.21	331.44	328.80	326.21	323.68	321.29	319.07	317.07	315.28
24.07	DISCHG	313.63	311.98	310.13	307.90	305.14	301.73	297.54	292.52	286.60	279.78

RUNOFF VOLUME ABOVE BASEFLOW = 2.52 WATERSHED INCHES, 38563.09 CFS-HRS, 3186.85 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 6
OUTPUT HYDROGRAPH= 6
AREA= 18.26 SQ MI INPUT RUNOFF CURVE= 80. TIME OF CONCENTRATION= 2.39 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0839 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
7.49	8653.67	(RUNOFF)
16.81	539.65	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 18.26 SQ.MI.

4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.22	3.91	19.91	59.76
5.81	DISCHG	139.22	272.91	471.91	737.09	1067.30	1461.66	1920.71	2452.32	3058.31	3729.16
6.64	DISCHG	4443.86	5171.59	5877.63	6527.40	7099.35	7580.55	7968.26	8265.18	8476.77	8604.00
7.47	DISCHG	8652.22	8632.13	8544.89	8394.82	8194.91	7960.00	7686.45	7371.53	7017.16	6631.97
8.30	DISCHG	6233.75	5842.87	5478.09	5147.87	4850.94	4580.92	4330.52	4096.95	3879.86	3678.08
9.13	DISCHG	3489.25	3310.53	3138.80	2974.21	2817.72	2671.22	2535.60	2410.05	2293.19	2183.82
9.96	DISCHG	2080.77	1984.05	1893.70	1809.13	1729.70	1655.44	1586.23	1521.41	1460.73	1404.25
10.79	DISCHG	1351.25	1300.44	1251.37	1204.28	1159.44	1117.11	1077.53	1040.85	1007.25	976.72
11.62	DISCHG	949.53	925.88	905.81	889.32	876.23	866.12	858.23	851.95	846.84	842.46
12.45	DISCHG	838.56	834.74	830.65	826.14	821.13	815.57	809.58	803.26	796.32	788.40
13.28	DISCHG	779.23	768.66	756.40	742.42	727.29	711.63	696.07	681.06	666.94	653.72
14.11	DISCHG	641.10	629.01	617.39	606.31	595.67	585.40	575.54	566.23	557.66	550.04
14.94	DISCHG	543.52	538.17	533.91	530.63	528.14	526.29	524.98	524.14	523.73	523.71
15.77	DISCHG	524.03	524.68	525.64	526.89	528.34	529.98	531.70	533.46	535.16	536.72
16.60	DISCHG	538.06	539.05	539.58	539.58	538.97	537.75	535.96	533.69	531.02	527.97
17.43	DISCHG	524.60	521.04	517.30	513.44	509.50	505.57	501.66	497.79	493.97	490.25
18.26	DISCHG	486.68	483.33	480.23	477.44	474.94	472.70	470.67	468.82	467.13	465.60
19.09	DISCHG	464.21	462.94	461.79	460.73	459.77	458.90	458.11	457.39	456.73	456.14
19.92	DISCHG	455.59	455.06	454.50	453.83	452.97	451.88	450.50	448.77	446.58	443.84
20.75	DISCHG	440.44	436.28	431.31	425.54	419.03	411.88	404.17	396.00	387.46	378.67
21.58	DISCHG	369.74	360.77	351.85	343.13	334.72	326.65	318.95	311.63	304.68	298.15
22.41	DISCHG	292.06	286.42	281.22	276.47	272.12	268.17	264.61	261.45	258.67	256.19
23.24	DISCHG	253.94	251.84	249.84	247.90	246.00	244.19	242.50	240.98	239.63	238.49
24.07	DISCHG	237.44	236.34	235.00	233.30	231.11	228.33	224.89	220.76	215.93	210.36

RUNOFF VOLUME ABOVE BASEFLOW = 2.46 WATERSHED INCHES, 28951.75 CFS-HRS, 2392.57 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 7
OUTPUT HYDROGRAPH= 6
AREA= 17.98 SQ MI INPUT RUNOFF CURVE= 80. TIME OF CONCENTRATION= 2.32 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0814 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
7.44	8699.90	(RUNOFF)
16.79	530.71	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 17.98 SQ.MI.

4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.21	3.84	20.24	61.81
5.81	DISCHG	145.15	285.76	495.64	776.34	1126.64	1545.79	2035.31	2602.66	3246.81	3954.25
6.64	DISCHG	4699.01	5446.48	6158.12	6800.73	7354.46	7809.39	8166.71	8429.65	8602.53	8686.42
7.47	DISCHG	8694.39	8629.98	8497.79	8304.92	8071.45	7797.07	7479.88	7120.42	6727.25	6316.42
8.30	DISCHG	5910.10	5528.08	5183.61	4875.14	4597.08	4339.73	4100.78	3878.84	3673.30	3480.35
9.13	DISCHG	3298.12	3122.52	2954.69	2795.28	2646.70	2509.45	2382.58	2264.10	2153.06	2048.58
9.96	DISCHG	1951.06	1860.21	1775.24	1695.74	1621.73	1552.86	1488.69	1429.38	1374.70	1323.21
10.79	DISCHG	1273.84	1226.29	1180.39	1136.25	1094.04	1054.07	1016.63	981.85	950.34	922.48
11.62	DISCHG	898.24	877.41	860.26	846.82	836.52	828.98	823.65	820.11	817.71	815.76
12.45	DISCHG	813.25	810.06	806.28	801.95	796.83	791.09	785.01	778.43	771.07	762.49

13.28	DISCHG	752.66	741.52	729.03	715.57	701.64	687.80	674.10	660.44	647.18	634.49
14.11	DISCHG	622.30	610.54	599.21	588.29	577.70	567.47	557.77	548.79	540.75	533.81
14.94	DISCHG	528.08	523.53	520.02	517.37	515.43	514.08	513.23	512.81	512.75	513.06
15.77	DISCHG	513.69	514.61	515.82	517.30	519.00	520.83	522.71	524.58	526.35	527.96
16.60	DISCHG	529.28	530.23	530.69	530.55	529.76	528.34	526.37	523.93	521.05	517.80
17.43	DISCHG	514.29	510.58	506.72	502.75	498.75	494.76	490.78	486.85	483.01	479.32
18.26	DISCHG	475.84	472.63	469.74	467.14	464.83	462.74	460.85	459.15	457.61	456.22
19.09	DISCHG	454.96	453.81	452.77	451.80	450.92	450.13	449.40	448.75	448.15	447.61
19.92	DISCHG	447.13	446.68	446.18	445.57	444.76	443.68	442.28	440.51	438.25	435.41
20.75	DISCHG	431.83	427.45	422.20	416.13	409.31	401.84	393.81	385.35	376.54	367.55
21.58	DISCHG	358.45	349.37	340.42	331.78	323.48	315.58	308.08	300.96	294.28	288.06
22.41	DISCHG	282.30	277.00	272.14	267.71	263.67	260.03	256.81	253.99	251.50	249.25
23.24	DISCHG	247.18	245.23	243.33	241.47	239.69	238.02	236.49	235.13	233.99	233.05
24.07	DISCHG	232.16	231.17	229.88	228.17	225.89	222.98	219.38	215.08	210.04	204.24

RUNOFF VOLUME ABOVE BASEFLOW = 2.45 WATERSHED INCHES, 28415.70 CFS-HRS, 2348.27 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 8
OUTPUT HYDROGRAPH= 6
AREA= 17.13 SQ MI INPUT RUNOFF CURVE= 80. TIME OF CONCENTRATION= 2.20 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0815 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
7.35	8517.86	(RUNOFF)
16.76	502.69	(RUNOFF)

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 17.13 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.21	3.64	20.54	64.33
5.81	DISCHG	152.74	302.50	526.74	828.00	1204.42	1657.03	2187.63	2802.92	3495.79	4244.93
6.64	DISCHG	5015.91	5767.72	6458.25	7056.64	7551.63	7940.32	8226.59	8413.53	8504.57	8511.16
7.47	DISCHG	8440.01	8296.92	8091.29	7839.65	7542.76	7199.02	6813.67	6399.42	5977.67	5570.15
8.30	DISCHG	5198.39	4867.27	4570.59	4301.99	4053.58	3824.79	3613.74	3416.76	3231.36	3052.65
9.13	DISCHG	2882.04	2720.08	2569.37	2430.55	2302.30	2182.77	2070.09	1964.76	1866.70	1775.47
9.96	DISCHG	1690.32	1611.35	1538.19	1470.37	1408.19	1351.85	1300.10	1251.55	1205.66	1161.88
10.79	DISCHG	1119.68	1078.62	1038.51	999.36	961.61	926.09	893.50	864.01	837.92	815.29
11.62	DISCHG	796.19	780.69	769.05	761.32	756.92	755.07	754.54	754.50	754.34	753.34
12.45	DISCHG	751.44	748.55	744.84	740.09	734.51	728.60	722.49	716.29	709.60	702.61
13.28	DISCHG	694.82	685.63	674.78	662.65	649.94	636.85	623.91	611.44	599.33	587.63
14.11	DISCHG	576.11	564.88	553.92	543.22	532.92	523.16	514.23	506.33	499.67	494.34
14.94	DISCHG	490.20	487.10	484.83	483.27	482.31	481.81	481.67	481.87	482.36	483.13
15.77	DISCHG	484.17	485.50	487.12	488.94	490.91	492.94	494.95	496.90	498.72	500.32
16.60	DISCHG	501.60	502.43	502.69	502.27	501.16	499.44	497.18	494.43	491.27	487.80
17.43	DISCHG	484.10	480.23	476.21	472.14	468.07	464.01	460.01	456.13	452.45	449.03
18.26	DISCHG	445.92	443.16	440.72	438.57	436.64	434.92	433.37	431.97	430.70	429.54
19.09	DISCHG	428.47	427.49	426.60	425.79	425.08	424.44	423.87	423.37	422.92	422.53
19.92	DISCHG	422.18	421.84	421.43	420.87	420.08	419.00	417.57	415.71	413.30	410.21
20.75	DISCHG	406.33	401.57	395.92	389.44	382.24	374.41	366.09	357.38	348.42	339.35
21.58	DISCHG	330.28	321.37	312.75	304.52	296.73	289.34	282.42	275.93	269.98	264.51
22.41	DISCHG	259.48	254.88	250.67	246.88	243.47	240.52	237.98	235.75	233.75	231.89

23.24	DISCHG	230.15	228.44	226.74	225.10	223.56	222.17	220.95	219.97	219.23	218.62
24.07	DISCHG	217.99	217.13	215.88	214.08	211.63	208.51	204.69	200.15	194.83	188.74

RUNOFF VOLUME ABOVE BASEFLOW = 2.42 WATERSHED INCHES, 26705.86 CFS-HRS, 2206.97 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 9
OUTPUT HYDROGRAPH= 6
AREA= 16.84 SQ MI INPUT RUNOFF CURVE= 80. TIME OF CONCENTRATION= 2.14 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0839 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
7.31	8620.17	(RUNOFF)
12.26	734.32	(RUNOFF)
16.74	495.58	(RUNOFF)

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 16.84 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.24	4.10	22.44	69.73
5.81	DISCHG	164.35	324.08	562.80	883.76	1285.29	1769.65	2339.35	2999.84	3737.51	4527.05
6.64	DISCHG	5327.46	6091.78	6778.13	7360.16	7827.44	8181.77	8431.08	8573.51	8620.08	8581.32
7.47	DISCHG	8462.69	8272.38	8024.50	7729.83	7384.18	6992.78	6566.32	6126.77	5699.50	5306.01
8.30	DISCHG	4954.59	4642.81	4362.39	4103.94	3866.67	3648.07	3445.02	3253.60	3070.01	2894.67
9.13	DISCHG	2728.88	2574.78	2432.74	2301.29	2178.61	2063.14	1955.30	1855.05	1761.63	1674.84
9.96	DISCHG	1594.51	1520.20	1451.75	1389.69	1333.52	1281.92	1233.94	1188.92	1146.20	1105.16
10.79	DISCHG	1065.27	1026.07	987.33	949.70	913.95	880.49	849.79	822.24	798.15	777.61
11.62	DISCHG	760.88	748.33	739.93	735.21	733.12	732.72	733.26	734.02	734.27	733.38
12.45	DISCHG	731.34	728.14	723.92	718.82	713.48	708.47	703.72	699.07	694.01	687.89
13.28	DISCHG	679.91	670.02	658.64	646.30	633.60	620.75	608.21	596.05	584.28	572.62
14.11	DISCHG	561.09	549.80	538.68	527.94	517.62	508.12	499.63	492.37	486.56	481.99
14.94	DISCHG	478.63	476.14	474.44	473.38	472.80	472.66	472.84	473.31	474.05	475.04
15.77	DISCHG	476.34	477.88	479.67	481.64	483.72	485.84	487.91	489.92	491.78	493.42
16.60	DISCHG	494.69	495.43	495.54	494.91	493.61	491.67	489.19	486.22	482.85	479.20
17.43	DISCHG	475.32	471.27	467.11	462.93	458.76	454.63	450.62	446.80	443.23	439.98
18.26	DISCHG	437.10	434.58	432.36	430.38	428.61	427.02	425.58	424.27	423.07	421.98
19.09	DISCHG	420.97	420.07	419.26	418.54	417.91	417.35	416.85	416.42	416.02	415.67
19.92	DISCHG	415.36	415.06	414.68	414.13	413.34	412.23	410.74	408.79	406.25	402.98
20.75	DISCHG	398.85	393.79	387.84	381.03	373.52	365.40	356.80	347.86	338.70	329.49
21.58	DISCHG	320.35	311.47	302.96	294.89	287.28	280.13	273.46	267.31	261.70	256.53
22.41	DISCHG	251.79	247.46	243.52	240.00	236.92	234.29	232.04	230.04	228.22	226.51
23.24	DISCHG	224.86	223.20	221.55	219.99	218.55	217.30	216.27	215.49	214.94	214.51
24.07	DISCHG	213.96	213.15	211.86	209.95	207.38	204.10	200.14	195.39	189.85	183.50

RUNOFF VOLUME ABOVE BASEFLOW = 2.43 WATERSHED INCHES, 26369.81 CFS-HRS, 2179.20 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 10
OUTPUT HYDROGRAPH= 6
AREA= 16.28 SQ MI INPUT RUNOFF CURVE= 80. TIME OF CONCENTRATION= 2.06 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0808 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
7.25	8523.69	(RUNOFF)
12.28	694.75	(RUNOFF)
16.71	478.16	(RUNOFF)

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 16.28 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.32	21.04	68.51
5.81	DISCHG	165.30	329.96	581.31	918.90	1346.94	1862.69	2470.55	3173.30	3948.68	4766.75
6.64	DISCHG	5576.98	6331.19	6987.38	7527.47	7944.45	8246.58	8435.37	8517.25	8505.02	8406.47
7.47	DISCHG	8229.10	7986.05	7689.84	7341.28	6944.31	6510.62	6062.19	5625.06	5222.89	4863.81
8.30	DISCHG	4547.38	4262.86	4002.54	3764.71	3546.17	3344.41	3153.16	2970.31	2795.77	2631.69
9.13	DISCHG	2480.59	2340.97	2211.76	2090.43	1976.50	1870.41	1771.66	1679.89	1594.92	1516.33
9.96	DISCHG	1443.87	1378.18	1319.34	1265.91	1217.01	1171.96	1129.84	1090.08	1051.96	1014.75
10.79	DISCHG	977.97	941.81	906.34	871.89	839.08	808.57	780.79	756.07	735.07	718.13
11.62	DISCHG	705.49	696.67	691.33	688.98	688.93	690.30	692.36	694.17	694.74	693.89
12.45	DISCHG	691.68	688.84	685.48	682.13	679.28	676.85	673.99	670.08	664.83	657.88
13.28	DISCHG	649.08	638.66	627.14	615.00	602.68	590.47	578.56	566.90	555.30	543.71
14.11	DISCHG	532.22	520.90	509.87	499.33	489.56	480.82	473.36	467.28	462.55	459.02
14.94	DISCHG	456.44	454.68	453.56	453.02	452.94	453.21	453.75	454.55	455.61	456.89
15.77	DISCHG	458.40	460.12	462.03	464.11	466.26	468.43	470.57	472.65	474.60	476.25
16.60	DISCHG	477.47	478.11	478.02	477.19	475.62	473.42	470.66	467.41	463.81	459.93
17.43	DISCHG	455.87	451.65	447.38	443.12	438.90	434.80	430.90	427.28	424.01	421.15
18.26	DISCHG	418.64	416.47	414.52	412.76	411.17	409.73	408.44	407.25	406.17	405.20
19.09	DISCHG	404.34	403.58	402.91	402.32	401.80	401.33	400.91	400.54	400.21	399.92
19.92	DISCHG	399.67	399.42	399.08	398.57	397.78	396.66	395.13	393.10	390.43	386.97
20.75	DISCHG	382.59	377.26	371.01	363.92	356.15	347.78	338.97	329.87	320.62	311.41
21.58	DISCHG	302.39	293.74	285.52	277.82	270.63	263.95	257.81	252.23	247.14	242.45
22.41	DISCHG	238.13	234.21	230.71	227.64	225.01	222.78	220.86	219.14	217.54	216.00
23.24	DISCHG	214.47	212.92	211.39	209.99	208.75	207.73	206.95	206.43	206.07	205.76
24.07	DISCHG	205.31	204.52	203.18	201.15	198.48	195.09	190.98	186.07	180.32	173.73

RUNOFF VOLUME ABOVE BASEFLOW = 2.41 WATERSHED INCHES, 25310.02 CFS-HRS, 2091.62 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 11
OUTPUT HYDROGRAPH= 6
AREA= 13.90 SQ MI INPUT RUNOFF CURVE= 79, TIME OF CONCENTRATION= 1.92 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0853 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
7.16	7355.62	(RUNOFF)
12.48	570.98	(RUNOFF)
16.66	402.05	(RUNOFF)

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 13.90 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.17	2.96	18.97	63.58
5.81	DISCHG	154.82	312.55	555.89	884.23	1302.10	1812.25	2414.35	3096.89	3838.38	4592.29
6.64	DISCHG	5306.25	5931.66	6446.34	6844.48	7122.40	7288.50	7353.66	7326.56	7216.22	7032.44
7.47	DISCHG	6786.70	6487.19	6139.29	5751.33	5341.33	4935.31	4557.55	4221.78	3925.86	3662.98

8.30	DISCHG	3426.28	3210.91	3014.81	2835.48	2666.55	2506.00	2354.01	2212.12	2081.00	1960.44
9.13	DISCHG	1847.36	1741.32	1642.73	1550.36	1464.34	1385.21	1311.75	1243.90	1182.62	1127.40
9.96	DISCHG	1077.74	1033.45	993.55	957.19	923.73	892.25	862.24	833.54	805.61	777.81
10.79	DISCHG	750.15	722.77	695.61	669.20	644.47	621.96	601.95	584.55	570.11	559.01
11.62	DISCHG	551.48	547.40	546.56	548.13	551.43	555.97	560.54	564.53	567.52	569.82
12.45	DISCHG	570.92	570.65	569.61	568.11	566.29	563.82	560.47	555.92	549.93	542.45
13.28	DISCHG	533.67	524.04	513.94	503.68	493.47	483.31	473.12	462.80	452.33	441.84
14.11	DISCHG	431.53	421.61	412.30	403.88	396.58	390.50	385.65	381.93	379.21	377.31
14.94	DISCHG	376.13	375.58	375.51	375.82	376.45	377.34	378.42	379.62	380.94	382.39
15.77	DISCHG	383.98	385.70	387.55	389.50	391.53	393.61	395.70	397.70	399.50	400.93
16.60	DISCHG	401.82	402.03	401.49	400.22	398.27	395.72	392.71	389.36	385.75	381.95
17.43	DISCHG	378.04	374.11	370.23	366.47	362.88	359.54	356.51	353.83	351.49	349.45
18.26	DISCHG	347.64	346.03	344.58	343.29	342.14	341.11	340.19	339.37	338.66	338.03
19.09	DISCHG	337.47	336.97	336.53	336.14	335.80	335.50	335.24	335.01	334.82	334.65
19.92	DISCHG	334.51	334.36	334.11	333.66	332.93	331.85	330.34	328.31	325.60	322.07
20.75	DISCHG	317.64	312.33	306.21	299.36	291.93	284.06	275.87	267.51	259.18	251.07
21.58	DISCHG	243.33	236.07	229.34	223.16	217.55	212.53	208.02	203.88	200.05	196.52
22.41	DISCHG	193.32	190.48	188.02	185.94	184.22	182.78	181.51	180.35	179.22	178.04
23.24	DISCHG	176.83	175.62	174.51	173.54	172.78	172.24	171.91	171.74	171.62	171.47
24.07	DISCHG	171.08	170.28	168.92	166.96	164.37	161.12	157.14	152.35	146.71	140.28

RUNOFF VOLUME ABOVE BASEFLOW = 2.32 WATERSHED INCHES, 20801.15 CFS-HRS, 1719.01 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 12 N. CAMEFRO

OUTPUT HYDROGRAPH= 6
AREA= 13.41 SQ MI INPUT RUNOFF CURVE= 78. TIME OF CONCENTRATION= 1.89 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0840 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
7.13	7136.52	(RUNOFF)
12.46	549.03	(RUNOFF)
16.65	386.89	(RUNOFF)

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 13.41 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.13	2.86	18.61	62.75
5.81	DISCHG	153.39	310.37	551.09	878.12	1292.93	1799.36	2396.81	3072.84	3804.18	4545.08
6.64	DISCHG	5240.51	5843.49	6332.31	6704.28	6955.49	7095.05	7136.44	7087.64	6958.33	6757.94
7.47	DISCHG	6498.87	6187.66	5830.34	5437.10	5030.74	4638.06	4281.88	3968.33	3691.89	3445.47
8.30	DISCHG	3222.62	3019.95	2836.05	2665.71	2504.84	2352.45	2209.34	2076.56	1954.17	1840.25
9.13	DISCHG	1733.30	1633.44	1540.17	1453.06	1372.48	1297.99	1229.02	1166.14	1109.41	1058.25
9.96	DISCHG	1012.58	971.87	935.17	901.75	870.74	841.43	813.73	787.17	760.98	734.89
10.79	DISCHG	708.91	683.01	657.32	632.51	609.35	588.11	569.02	552.43	538.86	528.70
11.62	DISCHG	522.09	518.93	518.89	521.26	525.60	531.18	536.77	541.75	545.62	548.12
12.45	DISCHG	549.01	548.56	547.41	545.86	544.02	541.42	537.93	533.30	527.27	519.84
13.28	DISCHG	511.14	501.76	491.99	482.12	472.30	462.47	452.56	442.42	432.13	421.85
14.11	DISCHG	411.81	402.21	393.30	385.38	378.60	373.07	368.71	365.41	363.02	361.41
14.94	DISCHG	360.49	360.15	360.25	360.70	361.44	362.43	363.57	364.81	366.15	367.61
15.77	DISCHG	369.19	370.88	372.70	374.63	376.64	378.71	380.80	382.79	384.54	385.92
16.60	DISCHG	386.73	386.84	386.20	384.82	382.79	380.19	377.15	373.78	370.19	366.43

17.43	DISCHG	362.59	358.75	354.99	351.36	347.93	344.76	341.91	339.41	337.23	335.32
18.26	DISCHG	333.62	332.11	330.76	329.57	328.50	327.54	326.70	325.95	325.29	324.72
19.09	DISCHG	324.20	323.75	323.35	322.99	322.68	322.42	322.18	321.98	321.81	321.67
19.92	DISCHG	321.54	321.42	321.20	320.77	320.07	319.01	317.52	315.53	312.83	309.31
20.75	DISCHG	304.87	299.57	293.48	286.67	279.32	271.56	263.49	255.30	247.17	239.29
21.58	DISCHG	231.82	224.84	218.41	212.55	207.28	202.62	198.40	194.54	190.94	187.62
22.41	DISCHG	184.63	182.00	179.73	177.84	176.29	174.99	173.85	172.79	171.73	170.62
23.24	DISCHG	169.46	168.33	167.30	166.42	165.74	165.28	165.03	164.91	164.82	164.67
24.07	DISCHG	164.27	163.45	162.10	160.16	157.60	154.39	150.44	145.68	140.09	133.71

RUNOFF VOLUME ABOVE BASEFLOW = 2.30 WATERSHED INCHES, 19938.95 CFS-HRS, 1647.75 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 13
OUTPUT HYDROGRAPH= 6
AREA= 13.28 SQ MI INPUT RUNOFF CURVE= 78. TIME OF CONCENTRATION= 1.85 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0822 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
7.10	7192.06	(RUNOFF)
12.44	543.97	(RUNOFF)
16.64	383.62	(RUNOFF)

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 13.28 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.14	19.93	66.41
5.81	DISCHG	161.60	326.19	580.55	926.12	1364.61	1899.71	2527.30	3232.70	3990.73	4745.45
6.64	DISCHG	5442.63	6032.69	6502.51	6848.47	7066.97	7175.93	7184.69	7102.83	6938.87	6704.28
7.47	DISCHG	6412.52	6069.59	5683.37	5267.10	4851.59	4461.82	4120.15	3820.35	3555.92	3318.40
8.30	DISCHG	3102.46	2906.71	2729.78	2562.85	2405.48	2257.00	2119.29	1992.40	1875.55	1764.80
9.13	DISCHG	1661.24	1565.07	1474.72	1390.94	1313.99	1242.10	1176.39	1117.54	1063.88	1015.82
9.96	DISCHG	973.33	935.34	901.14	869.86	840.43	812.91	787.04	761.67	736.62	711.78
10.79	DISCHG	686.63	661.56	636.93	613.17	590.67	569.68	550.79	534.57	521.56	512.15
11.62	DISCHG	506.43	504.33	505.61	509.74	516.09	523.55	530.91	537.09	541.19	543.43
12.45	DISCHG	543.97	543.28	541.96	540.29	538.15	535.22	531.38	526.41	520.09	512.39
13.28	DISCHG	503.63	494.27	484.60	474.83	465.02	455.12	445.01	434.66	424.21	413.84
14.11	DISCHG	403.79	394.29	385.63	378.05	371.71	366.59	362.61	359.64	357.54	356.22
14.94	DISCHG	355.58	355.48	355.78	356.44	357.38	358.52	359.78	361.12	362.54	364.06
15.77	DISCHG	365.68	367.42	369.27	371.24	373.31	375.48	377.64	379.66	381.44	382.80
16.60	DISCHG	383.54	383.51	382.69	381.12	378.88	376.07	372.85	369.34	365.61	361.75
17.43	DISCHG	357.82	353.94	350.17	346.56	343.16	340.07	337.34	334.97	332.91	331.09
18.26	DISCHG	329.48	328.05	326.78	325.66	324.65	323.76	322.97	322.28	321.67	321.13
19.09	DISCHG	320.65	320.23	319.86	319.54	319.26	319.01	318.80	318.62	318.47	318.35
19.92	DISCHG	318.24	318.12	317.89	317.45	316.73	315.62	314.06	311.96	309.11	305.41
20.75	DISCHG	300.78	295.29	289.00	282.02	274.51	266.60	258.42	250.15	242.00	234.14
21.58	DISCHG	226.74	219.87	213.60	207.94	202.92	198.47	194.44	190.73	187.28	184.11
22.41	DISCHG	181.27	178.78	176.66	174.91	173.48	172.29	171.24	170.25	169.23	168.15
23.24	DISCHG	167.05	165.98	165.01	164.20	163.60	163.22	163.05	162.97	162.91	162.79
24.07	DISCHG	162.41	161.58	160.20	158.21	155.60	152.30	148.22	143.28	137.46	130.82

RUNOFF VOLUME ABOVE BASEFLOW = 2.30 WATERSHED INCHES, 19743.25 CFS-HRS, 1631.58 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 14
OUTPUT HYDROGRAPH= 6
AREA= 12.75 SQ MI INPUT RUNOFF CURVE= 78. TIME OF CONCENTRATION= 1.81 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0804 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
7.08	6870.67	(RUNOFF)
12.41	517.94	(RUNOFF)
16.62	365.44	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 12.75 SQ.MI.

4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.08	2.19	17.17	61.04
5.81	DISCHG	152.85	313.46	560.49	899.65	1331.96	1860.29	2479.74	3173.28	3909.55	4636.50
6.64	DISCHG	5297.59	5852.70	6286.87	6596.72	6785.08	6865.44	6848.80	6744.69	6562.38	6314.05
7.47	DISCHG	6009.77	5657.30	5267.04	4859.50	4463.98	4105.30	3792.80	3518.65	3275.29	3055.81
8.30	DISCHG	2856.90	2676.83	2511.19	2355.67	2209.75	2073.57	1947.80	1831.54	1722.69	1620.45
9.13	DISCHG	1525.02	1435.80	1352.79	1276.00	1204.76	1139.45	1080.32	1026.62	978.31	935.38
9.96	DISCHG	897.36	863.53	832.88	804.54	778.37	753.93	730.37	707.44	684.71	661.61
10.79	DISCHG	638.43	615.45	592.66	570.19	548.65	528.63	510.76	495.62	483.75	475.53
11.62	DISCHG	471.17	470.80	474.11	480.46	489.00	498.12	506.14	512.08	515.90	517.77
12.45	DISCHG	517.85	516.89	515.37	513.56	511.15	507.95	503.92	498.82	492.44	484.76
13.28	DISCHG	476.29	467.35	458.21	448.94	439.54	429.94	420.04	409.94	399.77	389.75
14.11	DISCHG	380.13	371.17	363.16	356.28	350.59	346.05	342.56	340.02	338.31	337.34
14.94	DISCHG	336.99	337.11	337.64	338.47	339.55	340.80	342.12	343.49	344.92	346.44
15.77	DISCHG	348.05	349.76	351.55	353.50	355.58	357.73	359.87	361.85	363.55	364.81
16.60	DISCHG	365.41	365.23	364.25	362.54	360.18	357.31	354.07	350.58	346.90	343.10
17.43	DISCHG	339.28	335.53	331.90	328.44	325.24	322.37	319.87	317.71	315.84	314.18
18.26	DISCHG	312.72	311.43	310.30	309.28	308.38	307.58	306.88	306.26	305.72	305.24
19.09	DISCHG	304.82	304.45	304.12	303.85	303.61	303.40	303.22	303.07	302.95	302.84
19.92	DISCHG	302.75	302.65	302.44	302.02	301.31	300.22	298.67	296.57	293.73	290.02
20.75	DISCHG	285.40	279.93	273.68	266.76	259.34	251.55	243.53	235.48	227.59	220.05
21.58	DISCHG	213.00	206.52	200.68	195.48	190.92	186.88	183.20	179.79	176.61	173.71
22.41	DISCHG	171.12	168.86	166.95	165.41	164.16	163.12	162.20	161.31	160.37	159.37
23.24	DISCHG	158.35	157.37	156.49	155.76	155.26	154.98	154.87	154.85	154.83	154.74
24.07	DISCHG	154.36	153.53	152.16	150.20	147.60	144.31	140.22	135.27	129.45	122.84

RUNOFF VOLUME ABOVE BASEFLOW = 2.26 WATERSHED INCHES, 18615.27 CFS-HRS, 1538.37 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 15
OUTPUT HYDROGRAPH= 6
AREA= 9.71 SQ MI INPUT RUNOFF CURVE= 76. TIME OF CONCENTRATION= 1.63 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0836 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.96	5177.17	(RUNOFF)
12.30	382.59	(RUNOFF)
16.55	269.12	(RUNOFF)
23.95	113.05	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 9.71 SQ.MI.

4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.81	13.43	49.50
5.81	DISCHG	127.67	266.90	485.84	792.62	1185.90	1663.84	2217.25	2818.30	3421.16	3975.06
6.64	DISCHG	4436.89	4784.49	5018.36	5146.03	5176.28	5121.41	4991.07	4795.32	4547.61	4256.62
7.47	DISCHG	3934.87	3603.17	3285.23	3000.18	2754.93	2541.47	2350.36	2179.70	2027.42	1890.21
8.30	DISCHG	1764.54	1649.73	1545.46	1450.68	1362.60	1279.61	1201.53	1128.30	1059.69	995.60
9.13	DISCHG	935.79	880.59	830.33	784.10	742.02	704.12	670.40	640.62	614.56	591.84
9.96	DISCHG	571.87	554.05	538.09	523.36	509.43	496.12	483.00	469.25	454.43	438.47
10.79	DISCHG	421.61	404.20	386.54	369.23	353.33	339.73	329.14	322.15	319.20	319.99
11.62	DISCHG	324.41	332.01	341.84	352.57	362.80	371.37	377.63	381.30	382.55	382.03
12.45	DISCHG	380.46	378.39	375.91	373.00	369.75	366.19	362.24	357.68	352.47	346.75
13.28	DISCHG	340.65	334.09	326.99	319.42	311.45	303.16	294.69	286.32	278.33	270.92
14.11	DISCHG	264.28	258.59	253.92	250.17	247.21	245.00	243.53	242.75	242.54	242.79
14.94	DISCHG	243.42	244.35	245.49	246.76	248.08	249.41	250.73	252.01	253.28	254.54
15.77	DISCHG	255.82	257.18	258.69	260.38	262.18	264.02	265.78	267.31	268.46	269.06
16.60	DISCHG	269.00	268.22	266.78	264.78	262.35	259.59	256.58	253.41	250.17	246.97
17.43	DISCHG	243.89	241.00	238.37	236.07	234.10	232.44	231.00	229.74	228.64	227.68
18.26	DISCHG	226.83	226.08	225.42	224.85	224.36	223.94	223.56	223.24	222.97	222.73
19.09	DISCHG	222.53	222.36	222.22	222.10	222.00	221.92	221.86	221.81	221.77	221.75
19.92	DISCHG	221.73	221.70	221.56	221.20	220.55	219.54	218.05	215.98	213.17	209.57
20.75	DISCHG	205.21	200.20	194.65	188.63	182.28	175.74	169.19	162.84	156.83	151.33
21.58	DISCHG	146.43	142.22	138.68	135.70	133.09	130.70	128.46	126.37	124.42	122.63
22.41	DISCHG	121.06	119.77	118.78	118.02	117.45	116.99	116.59	116.15	115.62	115.03
23.24	DISCHG	114.42	113.83	113.31	112.94	112.76	112.73	112.80	112.91	113.02	113.02
24.07	DISCHG	112.74	112.03	110.81	109.05	106.65	103.52	99.59	94.82	89.32	83.29

RUNOFF VOLUME ABOVE BASEFLOW = 2.10 WATERSHED INCHES, 13133.33 CFS-HRS, 1085.34 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 16
OUTPUT HYDROGRAPH= 6
AREA= 6.47 SQ MI INPUT RUNOFF CURVE= 75. TIME OF CONCENTRATION= 1.46 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0811 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.84	3699.23	(RUNOFF)
12.19	257.18	(RUNOFF)
16.49	178.96	(RUNOFF)
19.94	146.19	(RUNOFF)
23.97	74.48	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 6.47 SQ.MI.

4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.21	10.04	39.11
5.81	DISCHG	104.10	222.23	412.77	682.41	1027.49	1439.74	1900.68	2377.52	2824.37	3190.38
6.64	DISCHG	3457.47	3623.23	3694.00	3682.06	3602.73	3458.14	3266.25	3037.68	2784.64	2523.14
7.47	DISCHG	2274.54	2060.08	1876.98	1716.85	1574.14	1447.64	1335.59	1234.82	1145.00	1066.12
8.30	DISCHG	996.84	934.57	877.13	823.52	773.03	725.36	680.28	638.24	599.17	562.48
9.13	DISCHG	528.52	497.49	469.33	443.94	421.61	402.32	385.82	371.75	359.56	349.08
9.96	DISCHG	340.21	332.21	324.54	316.91	309.10	300.82	291.84	282.10	271.76	261.17

10.79	DISCHG	250.71	240.68	230.72	221.18	212.79	206.11	201.52	199.47	200.47	204.85
11.62	DISCHG	212.06	221.05	230.76	240.14	248.05	253.61	256.55	257.16	256.00	253.68
12.45	DISCHG	250.77	247.67	244.69	242.05	239.68	237.40	235.02	232.40	229.26	225.37
13.28	DISCHG	220.74	215.50	209.79	203.58	197.14	190.81	184.80	179.19	174.13	169.83
14.11	DISCHG	166.31	163.43	161.10	159.32	158.10	157.37	157.14	157.34	157.90	158.72
14.94	DISCHG	159.71	160.81	161.96	163.11	164.23	165.29	166.26	167.12	167.90	168.68
15.77	DISCHG	169.52	170.45	171.55	172.86	174.30	175.75	177.08	178.16	178.82	178.93
16.60	DISCHG	178.41	177.29	175.69	173.72	171.49	169.06	166.56	164.10	161.74	159.54
17.43	DISCHG	157.54	155.83	154.40	153.19	152.15	151.25	150.49	149.82	149.24	148.73
18.26	DISCHG	148.30	147.94	147.62	147.35	147.12	146.93	146.76	146.63	146.51	146.42
19.09	DISCHG	146.35	146.29	146.24	146.21	146.18	146.16	146.16	146.16	146.16	146.17
19.92	DISCHG	146.19	146.18	146.08	145.78	145.22	144.32	143.00	141.15	138.68	135.61
20.75	DISCHG	132.03	128.02	123.67	119.05	114.25	109.47	104.83	100.48	96.57	93.26
21.58	DISCHG	90.59	88.46	86.75	85.32	84.05	82.86	81.68	80.50	79.37	78.34
22.41	DISCHG	77.46	76.78	76.32	76.05	75.93	75.89	75.84	75.71	75.48	75.14
23.24	DISCHG	74.73	74.32	73.98	73.77	73.71	73.80	73.99	74.22	74.40	74.47
24.07	DISCHG	74.29	73.70	72.63	71.05	68.91	66.14	62.66	58.62	54.18	49.51

RUNOFF VOLUME ABOVE BASEFLOW = 2.06 WATERSHED INCHES, 8595.02 CFS-HRS, 710.29 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 17
OUTPUT HYDROGRAPH= 6
AREA= 4.98 SQ MI INPUT RUNOFF CURVE= 75. TIME OF CONCENTRATION= 1.27 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0847 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.70	3145.55	(RUNOFF)
12.06	204.24	(RUNOFF)
16.41	138.54	(RUNOFF)
19.97	111.82	(RUNOFF)
22.93	57.81	(RUNOFF)
23.95	57.34	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 4.98 SQ.MI.

4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.04	9.92	40.53
5.81	DISCHG	110.16	238.98	449.27	750.07	1129.35	1564.10	2019.01	2442.74	2782.88	3010.44
6.64	DISCHG	3125.49	3141.94	3077.00	2941.77	2748.70	2521.61	2274.95	2027.93	1804.55	1618.90
7.47	DISCHG	1462.01	1322.68	1199.21	1089.66	991.83	906.55	834.76	773.91	720.77	674.49
8.30	DISCHG	633.67	597.04	562.39	529.56	497.43	466.38	436.65	408.42	382.01	358.10
9.13	DISCHG	336.57	317.78	301.66	288.24	277.12	267.44	258.82	251.06	244.02	237.80
9.96	DISCHG	232.53	228.15	224.40	221.06	217.49	213.13	207.68	201.09	193.60	185.55
10.79	DISCHG	177.28	169.06	161.14	153.97	148.16	144.27	142.82	144.36	149.25	157.25
11.62	DISCHG	167.22	177.83	187.89	196.22	201.88	204.12	203.53	200.92	196.90	192.13
12.45	DISCHG	187.60	184.35	182.16	180.70	179.89	179.38	178.39	176.22	172.96	168.78
13.28	DISCHG	163.80	158.19	152.36	146.68	141.30	136.38	132.12	128.59	125.69	123.27
14.11	DISCHG	121.31	119.78	118.65	117.94	117.69	117.88	118.45	119.30	120.33	121.47
14.94	DISCHG	122.65	123.80	124.89	125.88	126.75	127.49	128.11	128.65	129.21	129.83
15.77	DISCHG	130.56	131.44	132.55	133.88	135.29	136.61	137.69	138.38	138.51	137.94
16.60	DISCHG	136.77	135.12	133.12	130.90	128.54	126.25	124.08	122.08	120.32	118.88

17.43	DISCHG	117.70	116.71	115.88	115.18	114.58	114.06	113.63	113.27	112.96	112.71
18.26	DISCHG	112.49	112.31	112.17	112.05	111.95	111.88	111.82	111.77	111.74	111.71
19.09	DISCHG	111.70	111.69	111.69	111.69	111.70	111.71	111.73	111.74	111.76	111.78
19.92	DISCHG	111.80	111.81	111.71	111.40	110.80	109.80	108.31	106.22	103.55	100.41
20.75	DISCHG	96.90	93.13	89.14	85.00	80.87	76.90	73.29	70.20	67.72	65.88
21.58	DISCHG	64.56	63.62	62.94	62.40	61.87	61.19	60.37	59.49	58.61	57.81
22.41	DISCHG	57.20	56.89	56.88	57.05	57.33	57.62	57.80	57.75	57.47	57.05
23.24	DISCHG	56.56	56.09	55.75	55.66	55.82	56.16	56.57	56.98	57.28	57.31
24.07	DISCHG	56.96	56.16	54.86	53.00	50.54	47.46	43.87	39.93	35.85	31.80

RUNOFF VOLUME ABOVE BASEFLOW = 2.04 WATERSHED INCHES, 6542.23 CFS-HRS, 540.65 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 18
OUTPUT HYDROGRAPH= 6
AREA= 2.85 SQ MI INPUT RUNOFF CURVE= 72, TIME OF CONCENTRATION= 0.91 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0867 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.45	1972.13	(RUNOFF)
11.84	121.39	(RUNOFF)
12.77	96.87	(RUNOFF)
16.25	75.87	(RUNOFF)
19.95	59.82	(RUNOFF)
21.76	32.38	(RUNOFF)
22.81	31.61	(RUNOFF)
23.81	31.71	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 2.85 SQ.MI.

4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	7.34	33.98
5.81	DISCHG	101.67	237.94	476.08	799.20	1166.31	1520.83	1793.70	1942.67	1969.29	1894.72
6.64	DISCHG	1746.59	1556.83	1352.56	1160.01	999.05	870.33	764.27	674.50	596.45	528.80
7.47	DISCHG	470.89	421.52	379.80	345.38	318.22	297.56	282.72	271.66	262.42	253.45
8.30	DISCHG	243.23	230.95	216.87	201.70	186.35	171.83	158.92	148.20	140.00	133.97
9.13	DISCHG	129.31	125.61	122.64	120.30	118.48	117.06	115.94	115.06	114.40	113.91
9.96	DISCHG	113.54	113.09	112.21	110.57	107.81	103.78	98.75	93.16	87.48	82.05
10.79	DISCHG	77.15	72.95	69.59	67.31	66.55	67.78	71.58	78.36	87.62	97.99
11.62	DISCHG	107.86	115.83	120.57	121.14	117.79	111.88	105.14	98.85	94.12	91.57
12.45	DISCHG	91.32	92.73	94.71	96.35	96.83	95.71	93.00	89.13	84.70	80.21
13.28	DISCHG	76.01	72.33	69.33	67.02	65.22	63.78	62.63	61.70	60.95	60.38
14.11	DISCHG	60.02	59.91	60.11	60.66	61.49	62.50	63.59	64.67	65.66	66.53
14.94	DISCHG	67.25	67.82	68.26	68.62	68.92	69.18	69.39	69.59	69.85	70.23
15.77	DISCHG	70.81	71.67	72.76	73.94	74.99	75.69	75.85	75.32	74.15	72.51
16.60	DISCHG	70.65	68.75	66.96	65.38	64.07	63.06	62.27	61.65	61.15	60.75
17.43	DISCHG	60.44	60.20	60.01	59.86	59.75	59.66	59.60	59.55	59.52	59.50
18.26	DISCHG	59.49	59.48	59.48	59.48	59.49	59.50	59.51	59.52	59.54	59.56
19.09	DISCHG	59.59	59.61	59.63	59.66	59.68	59.70	59.73	59.75	59.77	59.79
19.92	DISCHG	59.82	59.81	59.66	59.22	58.37	56.97	55.05	52.77	50.27	47.68
20.75	DISCHG	45.04	42.41	39.83	37.44	35.33	33.57	32.25	31.45	31.18	31.36
21.58	DISCHG	31.75	32.15	32.37	32.28	31.81	31.07	30.24	29.49	28.98	28.84

22.41	DISCHG	29.10	29.68	30.39	31.05	31.50	31.60	31.33	30.74	30.01	29.33
23.24	DISCHG	28.86	28.74	29.02	29.63	30.39	31.09	31.58	31.70	31.42	30.81
24.07	DISCHG	29.87	28.60	26.95	24.84	22.29	19.50	16.65	13.89	11.35	9.11

RUNOFF VOLUME ABOVE BASEFLOW = 1.78 WATERSHED INCHES, 3276.97 CFS-HRS, 270.81 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 19
OUTPUT HYDROGRAPH= 6
AREA= 5.37 SQ MI INPUT RUNOFF CURVE= 84. TIME OF CONCENTRATION= 1.76 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0838 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
7.01	3830.95	(RUNOFF)
12.39	242.23	(RUNOFF)
16.60	169.46	(RUNOFF)
23.86	70.98	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 5.37 SQ.MI.

4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.02	0.48	4.54	19.98	56.59
5.81	DISCHG	124.69	235.15	397.99	617.07	891.72	1221.20	1598.02	2006.52	2422.66	2817.88
6.64	DISCHG	3162.81	3438.03	3638.66	3765.11	3823.99	3822.91	3768.55	3666.91	3523.84	3346.38
7.47	DISCHG	3141.62	2917.07	2683.94	2454.37	2241.93	2055.47	1894.08	1752.60	1625.03	1509.78
8.30	DISCHG	1406.09	1311.87	1224.48	1143.46	1068.69	1000.01	936.43	877.35	822.15	770.51
9.13	DISCHG	722.51	678.16	637.11	599.11	564.50	533.23	504.76	479.05	456.16	435.91
9.96	DISCHG	417.97	401.90	387.33	374.03	361.67	350.03	338.93	328.06	317.20	306.33
10.79	DISCHG	295.41	284.32	273.05	261.87	251.17	241.29	232.49	225.13	219.64	216.28
11.62	DISCHG	215.19	216.31	219.43	223.92	228.85	233.51	237.33	240.06	241.65	242.21
12.45	DISCHG	242.01	241.34	240.41	239.29	237.89	236.13	233.94	231.28	228.10	224.42
13.28	DISCHG	220.40	216.18	211.87	207.47	202.91	198.21	193.39	188.49	183.58	178.81
14.11	DISCHG	174.31	170.21	166.61	163.60	161.16	159.24	157.78	156.75	156.12	155.82
14.94	DISCHG	155.78	155.97	156.32	156.81	157.39	158.02	158.68	159.34	160.02	160.74
15.77	DISCHG	161.50	162.28	163.12	164.05	165.03	166.05	167.06	167.99	168.75	169.27
16.60	DISCHG	169.46	169.24	168.65	167.68	166.44	164.97	163.35	161.61	159.80	157.95
17.43	DISCHG	156.11	154.31	152.59	150.98	149.51	148.23	147.13	146.19	145.36	144.62
18.26	DISCHG	143.97	143.40	142.89	142.44	142.03	141.67	141.36	141.08	140.83	140.62
19.09	DISCHG	140.42	140.25	140.11	139.98	139.86	139.77	139.68	139.61	139.54	139.49
19.92	DISCHG	139.44	139.38	139.27	139.05	138.68	138.13	137.34	136.27	134.83	132.96
20.75	DISCHG	130.67	127.97	124.91	121.57	118.01	114.28	110.47	106.67	102.99	99.51
21.58	DISCHG	96.29	93.36	90.76	88.49	86.51	84.75	83.14	81.63	80.23	78.96
22.41	DISCHG	77.83	76.85	76.04	75.39	74.88	74.45	74.06	73.67	73.27	72.84
23.24	DISCHG	72.39	71.96	71.59	71.30	71.10	71.00	70.96	70.97	70.97	70.91
24.07	DISCHG	70.73	70.33	69.66	68.71	67.44	65.82	63.81	61.37	58.51	55.28

RUNOFF VOLUME ABOVE BASEFLOW = 2.78 WATERSHED INCHES, 9616.38 CFS-HRS, 794.70 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 20
OUTPUT HYDROGRAPH= 6
AREA= 2.15 SQ MI INPUT RUNOFF CURVE= 82. TIME OF CONCENTRATION= 0.71 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0789 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.28	2979.22	(RUNOFF)
11.72	123.83	(RUNOFF)
12.69	93.23	(RUNOFF)
16.16	71.37	(RUNOFF)
19.89	54.53	(RUNOFF)
21.69	29.72	(RUNOFF)
22.71	29.55	(RUNOFF)
23.71	29.61	(RUNOFF)

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 2.15 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.57	11.42	61.29	194.46
5.81	DISCHG	460.63	882.82	1440.47	2045.01	2578.56	2919.05	2967.62	2766.93	2423.12	2033.59
6.64	DISCHG	1660.83	1346.77	1113.08	931.62	787.18	670.70	578.08	502.93	440.45	387.96
7.47	DISCHG	343.82	307.55	279.06	258.36	245.05	236.84	232.03	228.26	223.53	216.01
8.30	DISCHG	204.64	190.50	175.00	159.98	146.72	136.05	128.14	122.38	118.07	114.81
9.13	DISCHG	112.38	110.57	109.24	108.27	107.57	107.05	106.67	106.40	106.20	106.06
9.96	DISCHG	105.93	105.55	104.31	101.61	97.04	90.91	84.14	77.55	71.71	66.95
10.79	DISCHG	63.43	60.84	58.92	57.99	59.06	63.46	72.04	83.97	97.28	109.83
11.62	DISCHG	119.28	123.69	121.90	114.92	105.20	95.07	86.46	80.89	79.37	81.17
12.45	DISCHG	84.81	88.86	92.04	93.21	91.36	87.10	81.65	76.01	70.81	66.48
13.28	DISCHG	63.21	60.82	59.03	57.67	56.65	55.89	55.33	54.93	54.64	54.47
14.11	DISCHG	54.51	54.85	55.62	56.76	58.09	59.41	60.61	61.61	62.37	62.94
14.94	DISCHG	63.38	63.71	63.96	64.15	64.31	64.42	64.51	64.63	64.87	65.36
15.77	DISCHG	66.24	67.47	68.88	70.23	71.15	71.31	70.47	68.66	66.35	63.93
16.60	DISCHG	61.69	59.80	58.36	57.32	56.55	55.96	55.53	55.20	54.96	54.78
17.43	DISCHG	54.65	54.55	54.48	54.43	54.40	54.37	54.35	54.34	54.33	54.33
18.26	DISCHG	54.34	54.34	54.35	54.36	54.37	54.38	54.39	54.40	54.41	54.42
19.09	DISCHG	54.43	54.44	54.45	54.46	54.47	54.48	54.49	54.50	54.51	54.52
19.92	DISCHG	54.53	54.48	54.20	53.43	51.92	49.66	46.95	44.14	41.43	38.86
20.75	DISCHG	36.43	34.06	31.77	29.69	28.00	26.88	26.47	26.76	27.49	28.40
21.58	DISCHG	29.21	29.68	29.61	28.98	27.99	26.86	25.87	25.25	25.19	25.78
22.41	DISCHG	26.77	27.88	28.85	29.45	29.49	28.92	27.98	26.89	25.94	25.34
23.24	DISCHG	25.29	25.83	26.76	27.85	28.84	29.48	29.57	29.03	28.07	26.94
24.07	DISCHG	25.63	24.00	21.86	19.14	16.05	12.92	10.03	7.57	5.64	4.21

RUNOFF VOLUME ABOVE BASEFLOW = 2.65 WATERSHED INCHES, 3674.86 CFS-HRS, 303.69 ACRE-FEET, BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 21
OUTPUT HYDROGRAPH= 6
AREA= 1.69 SQ MI INPUT RUNOFF CURVE= 75. TIME OF CONCENTRATION= 0.80 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0889 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.36	1516.35	(RUNOFF)
11.77	80.52	(RUNOFF)
12.72	62.53	(RUNOFF)
16.20	48.64	(RUNOFF)
19.97	37.78	(RUNOFF)
21.73	20.48	(RUNOFF)
22.75	20.23	(RUNOFF)
23.75	20.27	(RUNOFF)

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 1.69 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.69	13.14	49.77
5.81	DISCHG	132.70	284.34	514.50	802.27	1100.33	1352.03	1495.41	1510.54	1428.07	1284.55
6.64	DISCHG	1113.35	941.09	788.93	666.70	570.83	493.17	428.70	374.64	329.32	290.84
7.47	DISCHG	258.12	231.04	209.18	192.03	179.41	170.86	165.37	161.47	157.65	152.62
8.30	DISCHG	145.41	136.01	125.56	115.29	106.05	98.15	91.64	86.89	83.27	80.50
9.13	DISCHG	78.34	76.68	75.41	74.43	73.68	73.13	72.72	72.42	72.21	72.05
9.96	DISCHG	71.93	71.70	71.02	69.60	67.17	63.80	59.86	55.79	51.93	48.49
10.79	DISCHG	45.64	43.43	41.81	40.86	41.03	42.83	46.83	53.23	60.93	68.66
11.62	DISCHG	75.18	79.40	80.47	78.33	73.84	68.33	63.00	58.78	56.35	56.09
12.45	DISCHG	57.44	59.52	61.42	62.47	62.20	60.42	57.61	54.34	51.05	48.02
13.28	DISCHG	45.45	43.43	41.93	40.77	39.86	39.14	38.59	38.17	37.85	37.64
14.11	DISCHG	37.58	37.71	38.06	38.64	39.38	40.18	40.96	41.67	42.28	42.75
14.94	DISCHG	43.12	43.40	43.63	43.82	43.97	44.09	44.19	44.29	44.46	44.76
15.77	DISCHG	45.25	45.93	46.76	47.61	48.29	48.63	48.47	47.66	46.41	44.99
16.60	DISCHG	43.56	42.25	41.13	40.26	39.60	39.11	38.72	38.42	38.20	38.02
17.43	DISCHG	37.89	37.79	37.72	37.66	37.62	37.59	37.58	37.56	37.55	37.55
18.26	DISCHG	37.55	37.55	37.56	37.56	37.57	37.58	37.60	37.61	37.62	37.63
19.09	DISCHG	37.65	37.66	37.67	37.68	37.69	37.71	37.72	37.73	37.74	37.75
19.92	DISCHG	37.76	37.77	37.65	37.26	36.49	35.24	33.65	31.90	30.11	28.35
20.75	DISCHG	26.62	24.95	23.37	21.92	20.67	19.70	19.11	18.96	19.19	19.61
21.58	DISCHG	20.05	20.38	20.47	20.24	19.75	19.12	18.51	18.04	17.83	17.95
22.41	DISCHG	18.38	18.98	19.58	20.04	20.23	20.08	19.64	19.05	18.47	18.02
23.24	DISCHG	17.83	17.95	18.38	18.97	19.57	20.04	20.26	20.15	19.71	19.11
24.07	DISCHG	18.34	17.36	16.08	14.45	12.55	10.56	8.61	6.83	5.29	4.05

RUNOFF VOLUME ABOVE BASEFLOW = 2.02 WATERSHED INCHES, 2201.57 CFS-HRS, 181.94 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 22
OUTPUT HYDROGRAPH= 6
AREA= 0.50 SQ MI INPUT RUNOFF CURVE= 74, TIME OF CONCENTRATION= 0.34 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0453 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.09	729.29	(RUNOFF)
7.99	43.40	(RUNOFF)
9.93	20.62	(RUNOFF)
11.52	29.73	(RUNOFF)
12.52	20.26	(RUNOFF)
16.00	14.85	(RUNOFF)
19.90	10.90	(RUNOFF)
21.52	6.40	(RUNOFF)
22.53	6.41	(RUNOFF)
23.53	6.42	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 0.50 SQ.MI.

4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	12.87	74.26
5.81	DISCHG	208.56	392.55	582.36	718.35	698.98	534.37	351.53	233.50	172.26	136.88
6.64	DISCHG	112.37	92.27	77.31	68.36	63.55	60.24	55.78	49.43	43.58	39.94
7.47	DISCHG	38.05	37.24	37.85	39.62	41.46	42.68	43.37	43.15	40.07	34.16
8.30	DISCHG	28.37	24.67	22.71	21.62	21.03	20.71	20.54	20.46	20.42	20.41
9.13	DISCHG	20.42	20.44	20.46	20.47	20.49	20.51	20.53	20.55	20.57	20.59
9.96	DISCHG	20.60	20.40	19.14	16.62	14.05	12.36	11.46	10.96	10.68	10.53
10.79	DISCHG	10.45	10.41	10.39	10.77	13.18	18.24	23.52	27.04	28.95	29.68
11.62	DISCHG	27.94	23.23	18.11	14.66	12.80	11.93	12.49	14.69	17.20	18.93
12.45	DISCHG	19.87	20.24	19.44	17.11	14.51	12.72	11.75	11.22	10.92	10.76
13.28	DISCHG	10.67	10.62	10.60	10.59	10.59	10.59	10.60	10.60	10.60	10.63
14.11	DISCHG	10.84	11.34	11.89	12.28	12.50	12.62	12.69	12.73	12.76	12.77
14.94	DISCHG	12.79	12.80	12.80	12.81	12.81	12.82	12.83	12.85	13.03	13.53
15.77	DISCHG	14.10	14.51	14.74	14.84	14.57	13.64	12.54	11.73	11.29	11.05
16.60	DISCHG	10.92	10.84	10.81	10.79	10.78	10.78	10.78	10.78	10.79	10.79
17.43	DISCHG	10.79	10.80	10.80	10.80	10.81	10.81	10.82	10.82	10.82	10.83
18.26	DISCHG	10.83	10.83	10.84	10.84	10.85	10.85	10.85	10.86	10.86	10.86
19.09	DISCHG	10.87	10.87	10.88	10.88	10.88	10.89	10.89	10.89	10.90	10.90
19.92	DISCHG	10.90	10.89	10.65	9.77	8.61	7.70	7.18	6.89	6.62	6.10
20.75	DISCHG	5.47	4.99	4.71	4.56	4.59	4.98	5.53	5.98	6.25	6.39
21.58	DISCHG	6.36	5.98	5.43	4.97	4.71	4.57	4.59	4.96	5.51	5.98
22.41	DISCHG	6.25	6.40	6.38	6.02	5.47	5.00	4.72	4.58	4.59	4.95
23.24	DISCHG	5.50	5.97	6.25	6.40	6.40	6.05	5.50	5.03	4.74	4.58
24.07	DISCHG	4.32	3.50	2.33	1.33	0.72	0.39	0.21	0.11	0.06	0.03

RUNOFF VOLUME ABOVE BASEFLOW = 1.94 WATERSHED INCHES, 621.96 CFS-HRS, 51.40 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 23
OUTPUT HYDROGRAPH= 6
AREA= 24.36 SQ MI INPUT RUNOFF CURVE= 81. TIME OF CONCENTRATION= 3.26 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0836 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
8.12	9217.65	(RUNOFF)

TIME(HRS)		FIRST HYDROGRAPH POINT = 0.00 HOURS				TIME INCREMENT = 0.08 HOURS			DRAINAGE AREA = 24.36 SQ.MI.		
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.08	3.41	15.87	43.99
5.81	DISCHG	96.50	182.89	309.72	475.16	676.98	915.81	1187.69	1493.09	1836.42	2220.67
6.64	DISCHG	2650.31	3126.04	3645.49	4201.12	4777.97	5363.05	5936.56	6477.96	6978.63	7432.79
7.47	DISCHG	7834.58	8181.15	8475.39	8714.13	8901.91	9045.68	9144.26	9201.79	9217.13	9188.14
8.30	DISCHG	9117.76	9008.50	8871.81	8716.68	8541.57	8345.70	8126.52	7881.05	7608.61	7311.74
9.13	DISCHG	6998.80	6676.64	6356.20	6052.62	5770.02	5508.03	5265.54	5041.31	4827.35	4623.62
9.96	DISCHG	4431.08	4249.06	4078.55	3918.11	3766.98	3624.26	3485.76	3351.72	3221.83	3095.67
10.79	DISCHG	2974.14	2858.22	2748.60	2645.17	2546.71	2453.39	2364.34	2279.48	2199.21	2123.07
11.62	DISCHG	2051.26	1983.74	1920.02	1860.33	1804.27	1751.81	1703.19	1657.84	1616.04	1577.98
12.45	DISCHG	1543.67	1512.83	1483.66	1455.89	1429.28	1403.67	1379.26	1355.81	1333.54	1312.44
13.28	DISCHG	1292.22	1272.95	1254.19	1235.69	1217.32	1198.93	1180.42	1161.68	1142.72	1123.71
14.11	DISCHG	1104.78	1085.91	1066.98	1047.59	1027.70	1007.66	987.89	968.72	950.59	933.77
14.94	DISCHG	918.23	903.73	890.09	877.27	865.04	853.28	842.00	831.21	820.99	811.41
15.77	DISCHG	802.55	794.47	787.13	780.42	774.28	768.64	763.40	758.52	754.09	750.27
16.60	DISCHG	747.14	744.76	743.14	742.14	741.31	740.38	739.25	737.87	736.20	734.21
17.43	DISCHG	731.90	729.27	726.35	723.18	719.80	716.26	712.57	708.77	704.88	700.91
18.26	DISCHG	696.88	692.82	688.77	684.78	680.86	677.02	673.24	669.53	665.89	662.32
19.09	DISCHG	658.86	655.52	652.37	649.43	646.72	644.23	641.95	639.85	637.90	636.07
19.92	DISCHG	634.36	632.75	631.20	629.66	628.10	626.45	624.69	622.76	620.62	618.22
20.75	DISCHG	615.52	612.45	608.96	605.00	600.56	595.59	590.06	584.01	577.47	570.44
21.58	DISCHG	562.96	555.05	546.74	538.10	529.22	520.16	511.05	501.96	492.93	484.04
22.41	DISCHG	475.29	466.75	458.41	450.23	442.23	434.36	426.71	419.29	412.18	405.46
23.24	DISCHG	399.12	393.26	387.85	382.84	378.18	373.81	369.69	365.76	362.06	358.58
24.07	DISCHG	355.23	352.03	348.88	345.70	342.40	338.91	335.20	331.21	326.88	322.22

RUNOFF VOLUME ABOVE BASEFLOW = 2.53 WATERSHED INCHES, 39712.96 CFS-HRS, 3281.88 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 24
OUTPUT HYDROGRAPH= 6
AREA= 26.43 SQ MI INPUT RUNOFF CURVE= 78. TIME OF CONCENTRATION= 3.66 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0841 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET) (RUNOFF)
8.44	7893.87	

TIME(HRS)		FIRST HYDROGRAPH POINT = 0.00 HOURS				TIME INCREMENT = 0.08 HOURS			DRAINAGE AREA = 26.43 SQ.MI.		
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.06	1.12	8.04	25.10
5.81	DISCHG	56.74	111.42	195.88	305.03	439.90	604.24	788.74	993.55	1222.27	1474.37
6.64	DISCHG	1754.94	2067.40	2409.39	2783.88	3190.48	3618.73	4061.30	4510.05	4949.79	5367.94
7.47	DISCHG	5761.45	6126.71	6456.29	6751.72	7013.35	7235.24	7420.76	7573.87	7692.51	7783.33
8.30	DISCHG	7849.58	7886.33	7892.50	7868.01	7811.13	7730.20	7634.55	7525.79	7403.98	7268.19
9.13	DISCHG	7116.19	6947.10	6759.39	6551.46	6326.12	6088.43	5843.01	5597.74	5362.09	5140.51
9.96	DISCHG	4932.93	4739.91	4560.83	4391.13	4228.63	4073.21	3924.11	3782.31	3648.51	3521.39
10.79	DISCHG	3401.26	3288.12	3179.04	3072.97	2969.90	2868.68	2769.63	2673.67	2581.50	2494.34
11.62	DISCHG	2412.39	2334.86	2261.95	2193.25	2127.59	2065.19	2006.31	1950.67	1898.77	1850.43
12.45	DISCHG	1805.28	1763.33	1724.15	1687.32	1652.57	1618.92	1586.05	1554.12	1523.46	1494.40
13.28	DISCHG	1467.22	1441.23	1416.10	1391.94	1368.60	1345.99	1324.05	1302.52	1281.32	1260.46

14.11	DISCHG	1239.80	1219.28	1198.98	1178.81	1158.71	1138.78	1119.10	1099.66	1080.32	1060.97
14.94	DISCHG	1041.74	1022.92	1004.75	987.52	971.45	956.40	942.16	928.69	915.99	904.12
15.77	DISCHG	893.05	882.83	873.55	865.13	857.32	850.09	843.46	837.39	831.81	826.62
16.60	DISCHG	821.78	817.24	812.92	808.76	804.78	800.93	797.14	793.36	789.49	785.46
17.43	DISCHG	781.22	776.70	771.92	766.88	761.63	756.34	751.20	746.35	741.87	737.79
18.26	DISCHG	733.83	729.83	725.81	721.77	717.74	713.73	709.81	705.97	702.21	698.54
19.09	DISCHG	694.94	691.42	687.97	684.58	681.27	678.08	675.02	672.10	669.38	666.87
19.92	DISCHG	664.55	662.39	660.34	658.37	656.43	654.45	652.42	650.32	648.09	645.71
20.75	DISCHG	643.15	640.34	637.24	633.81	630.04	625.90	621.37	616.43	611.08	605.33
21.58	DISCHG	599.17	592.61	585.66	578.35	570.70	562.76	554.62	546.34	537.98	529.63
22.41	DISCHG	521.32	513.06	504.86	496.70	488.62	480.66	472.80	465.06	457.49	450.10
23.24	DISCHG	442.94	436.07	429.51	423.28	417.36	411.75	406.43	401.37	396.55	391.95
24.07	DISCHG	387.53	383.27	379.16	375.14	371.19	367.27	363.30	359.26	355.04	350.57

RUNOFF VOLUME ABOVE BASEFLOW = 2.25 WATERSHED INCHES, 38336.61 CFS-HRS, 3168.14 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 25
OUTPUT HYDROGRAPH= 6
AREA= 24.49 SQ MI INPUT RUNOFF CURVE= 77. TIME OF CONCENTRATION= 3.66 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0841 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET) (RUNOFF)
8.45	6963.90	

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 24.49 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.76	6.26	20.49
5.81	DISCHG	47.27	94.02	167.00	261.71	379.05	522.57	683.79	862.76	1062.78	1283.21
6.64	DISCHG	1528.57	1802.05	2101.50	2429.62	2786.36	3162.71	3552.25	3947.83	4336.11	4705.79
7.47	DISCHG	5054.05	5377.88	5670.46	5933.11	6166.33	6364.66	6530.90	6668.58	6775.70	6858.27
8.30	DISCHG	6919.51	6954.95	6963.42	6944.73	6897.16	6828.14	6746.04	6652.34	6547.12	6429.61
9.13	DISCHG	6297.82	6150.97	5987.72	5806.52	5609.68	5401.54	5186.19	4970.55	4763.04	4567.76
9.96	DISCHG	4384.71	4214.47	4056.56	3906.91	3763.54	3626.37	3494.69	3369.37	3251.08	3138.67
10.79	DISCHG	3032.43	2932.39	2835.95	2742.18	2651.07	2561.56	2473.90	2388.93	2307.26	2229.99
11.62	DISCHG	2157.33	2088.59	2023.96	1963.08	1904.89	1849.59	1797.41	1748.13	1702.16	1659.38
12.45	DISCHG	1619.42	1582.30	1547.65	1515.09	1484.40	1454.69	1425.62	1397.36	1370.21	1344.46
13.28	DISCHG	1320.38	1297.36	1275.09	1253.67	1232.97	1212.91	1193.43	1174.30	1155.44	1136.87
14.11	DISCHG	1118.47	1100.18	1082.08	1064.09	1046.15	1028.34	1010.75	993.36	976.06	958.74
14.94	DISCHG	941.51	924.64	908.34	892.89	878.48	864.99	852.25	840.19	828.83	818.19
15.77	DISCHG	808.27	799.11	790.79	783.25	776.26	769.79	763.88	758.47	753.50	748.88
16.60	DISCHG	744.59	740.56	736.73	733.06	729.54	726.14	722.79	719.45	716.03	712.47
17.43	DISCHG	708.70	704.69	700.45	695.96	691.27	686.54	681.92	677.55	673.52	669.83
18.26	DISCHG	666.26	662.65	659.01	655.37	651.73	648.11	644.56	641.09	637.70	634.38
19.09	DISCHG	631.13	627.95	624.83	621.77	618.78	615.90	613.13	610.50	608.04	605.77
19.92	DISCHG	603.68	601.73	599.89	598.11	596.36	594.58	592.75	590.85	588.84	586.69
20.75	DISCHG	584.38	581.83	579.03	575.93	572.51	568.76	564.66	560.18	555.33	550.11
21.58	DISCHG	544.53	538.57	532.27	525.63	518.68	511.47	504.09	496.57	488.98	481.40
22.41	DISCHG	473.85	466.35	458.90	451.49	444.15	436.92	429.78	422.76	415.88	409.17
23.24	DISCHG	402.66	396.43	390.47	384.81	379.43	374.34	369.51	364.91	360.54	356.36
24.07	DISCHG	352.35	348.48	344.74	341.09	337.51	333.94	330.34	326.67	322.84	318.77

RUNOFF VOLUME ABOVE BASEFLOW = 2.16 WATERSHED INCHES, 34106.82 CFS-HRS, 2818.59 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 26
OUTPUT HYDROGRAPH= 6
AREA= 23.18 SQ MI INPUT RUNOFF CURVE= 77. TIME OF CONCENTRATION= 3.09 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0824 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
8.03	7574.92	(RUNOFF)

TIME(HRS)		FIRST HYDROGRAPH POINT = 0.00 HOURS				TIME INCREMENT = 0.08 HOURS			DRAINAGE AREA = 23.18 SQ.MI.		
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.51	9.11	28.99
5.81	DISCHG	68.90	138.01	243.39	383.51	557.28	764.38	1000.78	1268.60	1571.10	1912.36
6.64	DISCHG	2295.38	2720.28	3185.74	3676.73	4179.56	4679.53	5157.52	5600.18	6003.94	6361.98
7.47	DISCHG	6671.14	6931.83	7140.37	7306.01	7430.82	7515.81	7564.45	7573.54	7543.83	7475.32
8.30	DISCHG	7376.03	7257.13	7120.03	6964.59	6788.23	6588.75	6364.20	6115.08	5851.36	5579.05
9.13	DISCHG	5308.74	5052.13	4815.02	4594.06	4390.59	4200.64	4019.18	3847.71	3684.95	3532.07
9.96	DISCHG	3389.02	3254.60	3128.72	3007.10	2889.58	2775.91	2665.66	2559.77	2459.15	2364.51
10.79	DISCHG	2275.07	2189.97	2109.42	2031.44	1956.72	1885.44	1818.00	1754.64	1694.81	1638.75
11.62	DISCHG	1585.89	1536.26	1489.71	1445.56	1404.46	1366.80	1333.22	1303.48	1276.38	1251.82
12.45	DISCHG	1229.36	1208.70	1189.52	1171.27	1153.82	1136.97	1120.61	1104.81	1089.48	1074.88
13.28	DISCHG	1061.07	1047.71	1034.59	1021.34	1007.82	994.00	979.92	965.63	950.67	935.07
14.11	DISCHG	919.05	902.69	886.22	869.81	853.68	837.86	822.41	807.62	793.61	780.42
14.94	DISCHG	768.00	756.23	744.96	734.16	723.81	713.92	704.59	695.85	687.78	680.39
15.77	DISCHG	673.70	667.71	662.49	658.17	654.81	652.44	651.02	650.19	649.64	649.29
16.60	DISCHG	649.10	649.01	648.95	648.85	648.62	648.16	647.43	646.36	644.93	643.15
17.43	DISCHG	641.02	638.59	635.88	632.96	629.87	626.61	623.23	619.76	616.21	612.62
18.26	DISCHG	609.01	605.43	601.89	598.39	594.94	591.53	588.16	584.86	581.67	578.62
19.09	DISCHG	575.76	573.10	570.68	568.46	566.42	564.56	562.84	561.25	559.78	558.43
19.92	DISCHG	557.19	556.04	554.90	553.75	552.52	551.17	549.67	547.99	546.09	543.92
20.75	DISCHG	541.42	538.55	535.21	531.36	526.99	522.06	516.58	510.62	504.17	497.32
21.58	DISCHG	490.06	482.41	474.48	466.28	457.93	449.49	441.05	432.66	424.40	416.32
22.41	DISCHG	408.46	400.85	393.43	386.20	379.13	372.27	365.67	359.35	353.41	347.86
23.24	DISCHG	342.79	338.15	333.85	329.92	326.24	322.80	319.54	316.47	313.60	310.88
24.07	DISCHG	308.26	305.68	303.10	300.40	297.55	294.51	291.23	287.67	283.78	279.55

RUNOFF VOLUME ABOVE BASEFLOW = 2.16 WATERSHED INCHES, 32323.14 CFS-HRS, 2671.18 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 27
OUTPUT HYDROGRAPH= 6
AREA= 20.05 SQ MI INPUT RUNOFF CURVE= 77. TIME OF CONCENTRATION= 2.63 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0835 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
7.69	7446.90	(RUNOFF)
16.87	555.27	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 20.05 SQ.MI.

4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.68	10.60	34.77
5.81	DISCHG	85.35	174.38	311.58	495.12	725.57	999.13	1315.29	1679.33	2096.92	2569.29
6.64	DISCHG	3091.49	3649.93	4223.78	4789.73	5322.51	5804.51	6227.78	6585.41	6876.94	7104.33
7.47	DISCHG	7271.74	7381.64	7437.01	7443.35	7399.11	7306.52	7175.48	7019.30	6837.19	6627.20
8.30	DISCHG	6386.33	6115.27	5820.14	5512.96	5207.11	4917.42	4651.89	4409.54	4187.50	3981.00
9.13	DISCHG	3785.13	3601.29	3429.28	3269.11	3118.61	2976.32	2838.80	2706.96	2580.48	2460.83
9.96	DISCHG	2349.24	2246.06	2149.62	2059.17	1973.19	1891.24	1813.48	1740.14	1671.08	1605.88
10.79	DISCHG	1544.18	1485.43	1429.35	1375.28	1323.88	1275.83	1231.35	1189.49	1150.62	1114.70
11.62	DISCHG	1081.86	1052.15	1025.46	1001.68	980.88	963.07	947.87	935.01	924.15	914.60
12.45	DISCHG	905.80	897.37	889.32	881.32	873.23	865.42	858.07	851.09	844.37	837.99
13.28	DISCHG	831.03	823.17	814.22	804.20	793.00	780.42	766.48	751.49	735.73	719.53
14.11	DISCHG	703.33	687.53	672.33	657.78	644.12	631.56	620.09	609.77	600.52	591.83
14.94	DISCHG	583.72	576.33	569.78	564.13	559.44	555.60	552.54	550.17	548.39	547.14
15.77	DISCHG	546.38	546.06	546.12	546.49	547.09	547.85	548.74	549.75	550.87	552.04
16.60	DISCHG	553.17	554.16	554.90	555.25	555.16	554.57	553.51	551.97	549.99	547.64
17.43	DISCHG	544.97	542.02	538.82	535.48	532.02	528.46	524.84	521.21	517.62	514.06
18.26	DISCHG	510.53	507.08	503.73	500.52	497.52	494.76	492.26	490.01	487.97	486.13
19.09	DISCHG	484.43	482.87	481.44	480.12	478.91	477.79	476.75	475.78	474.88	474.05
19.92	DISCHG	473.30	472.61	471.91	471.16	470.28	469.21	467.91	466.35	464.44	462.11
20.75	DISCHG	459.28	455.86	451.79	447.05	441.63	435.61	429.04	421.98	414.49	406.65
21.58	DISCHG	398.52	390.21	381.80	373.36	364.98	356.77	348.83	341.18	333.84	326.80
22.41	DISCHG	320.05	313.61	307.51	301.76	296.41	291.47	286.94	282.82	279.07	275.69
23.24	DISCHG	272.66	269.93	267.43	265.12	262.93	260.81	258.76	256.78	254.93	253.19
24.07	DISCHG	251.54	249.90	248.20	246.31	244.14	241.62	238.66	235.18	231.11	226.41

RUNOFF VOLUME ABOVE BASEFLOW = 2.15 WATERSHED INCHES, 27858.24 CFS-HRS, 2302.20 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 28
OUTPUT HYDROGRAPH= 6
AREA= 13.13 SQ MI INPUT RUNOFF CURVE= 77. TIME OF CONCENTRATION= 2.63 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0835 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
7.69	4853.94	(RUNOFF)
16.87	362.91	(RUNOFF)

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 13.13 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	6.83	22.50
5.81	DISCHG	55.33	113.20	202.46	321.92	471.97	650.09	855.97	1093.03	1364.98	1672.66
6.64	DISCHG	2012.86	2376.76	2750.78	3119.73	3467.12	3781.47	4057.57	4290.92	4481.20	4629.66
7.47	DISCHG	4739.03	4810.94	4847.32	4851.73	4823.15	4763.04	4677.84	4576.26	4457.78	4321.13
8.30	DISCHG	4164.35	3987.87	3795.66	3595.54	3396.23	3207.43	3034.37	2876.41	2731.69	2597.08
9.13	DISCHG	2469.40	2349.55	2237.40	2132.98	2034.86	1942.10	1852.44	1766.48	1684.00	1605.98
9.96	DISCHG	1533.21	1465.93	1403.03	1344.04	1287.97	1234.53	1183.81	1135.98	1090.93	1048.40
10.79	DISCHG	1008.16	969.83	933.25	897.97	864.44	833.09	804.07	776.76	751.40	727.96
11.62	DISCHG	706.53	687.15	669.74	654.22	640.66	629.05	619.13	610.76	603.68	597.46
12.45	DISCHG	591.72	586.23	580.98	575.77	570.50	565.41	560.61	556.06	551.68	547.51
13.28	DISCHG	542.97	537.85	532.01	525.47	518.16	509.94	500.84	491.05	480.77	470.19
14.11	DISCHG	459.61	449.29	439.36	429.86	420.94	412.73	405.24	398.50	392.45	386.77

14.94	DISCHG	381.47	376.65	372.37	368.68	365.61	363.10	361.11	359.56	358.40	357.58
15.77	DISCHG	357.09	356.88	356.92	357.16	357.55	358.05	358.63	359.30	360.03	360.79
16.60	DISCHG	361.53	362.18	362.67	362.90	362.84	362.46	361.76	360.75	359.46	357.93
17.43	DISCHG	356.19	354.26	352.17	349.98	347.72	345.40	343.03	340.66	338.31	335.99
18.26	DISCHG	333.69	331.43	329.24	327.14	325.18	323.38	321.75	320.28	318.95	317.74
19.09	DISCHG	316.63	315.61	314.68	313.82	313.02	312.29	311.61	310.98	310.39	309.85
19.92	DISCHG	309.37	308.91	308.46	307.96	307.39	306.69	305.85	304.82	303.58	302.06
20.75	DISCHG	300.20	297.97	295.31	292.21	288.67	284.74	280.44	275.83	270.93	265.81
21.58	DISCHG	260.50	255.06	249.57	244.05	238.57	233.21	228.02	223.02	218.22	213.62
22.41	DISCHG	209.20	204.99	201.00	197.25	193.75	190.52	187.57	184.87	182.42	180.21
23.24	DISCHG	178.23	176.44	174.81	173.30	171.87	170.49	169.14	167.85	166.64	165.51
24.07	DISCHG	164.42	163.35	162.24	161.01	159.59	157.94	156.01	153.73	151.07	148.00

RUNOFF VOLUME ABOVE BASEFLOW = 2.14 WATERSHED INCHES, 18174.30 CFS-HRS, 1501.92 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 29
OUTPUT HYDROGRAPH= 6
AREA= 10.72 SQ MI INPUT RUNOFF CURVE= 76. TIME OF CONCENTRATION= 1.96 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0817 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
7.20	4915.64	(RUNOFF)
12.49	416.51	(RUNOFF)
16.69	294.41	(RUNOFF)

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 10.72 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.79	8.42	32.50
5.81	DISCHG	85.33	180.19	328.25	531.84	790.52	1105.33	1478.48	1909.05	2383.70	2877.02
6.64	DISCHG	3359.09	3796.13	4164.85	4457.93	4676.40	4822.03	4898.95	4914.13	4872.77	4780.25
7.47	DISCHG	4644.60	4473.81	4270.04	4034.75	3776.34	3508.70	3248.99	3012.32	2803.81	2619.73
8.30	DISCHG	2454.02	2303.49	2166.32	2041.06	1924.77	1814.12	1708.33	1608.11	1514.84	1428.67
9.13	DISCHG	1348.59	1273.62	1203.29	1137.50	1076.05	1018.91	966.09	917.08	871.85	831.08
9.96	DISCHG	794.49	761.57	732.03	705.31	680.69	657.79	636.04	614.99	594.55	574.44
10.79	DISCHG	554.40	534.41	514.72	495.51	477.24	460.47	445.66	432.99	422.50	414.35
11.62	DISCHG	408.56	405.16	404.00	404.68	406.62	409.15	411.77	413.93	415.35	416.12
12.45	DISCHG	416.47	416.45	415.87	414.91	413.70	412.14	410.03	407.13	403.26	398.22
13.28	DISCHG	392.14	385.29	377.98	370.50	363.02	355.68	348.36	341.01	333.58	326.12
14.11	DISCHG	318.74	311.53	304.70	298.40	292.80	288.09	284.26	281.31	279.10	277.51
14.94	DISCHG	276.46	275.87	275.67	275.76	276.08	276.60	277.29	278.09	279.00	280.01
15.77	DISCHG	281.14	282.37	283.69	285.11	286.57	288.06	289.55	290.98	292.31	293.39
16.60	DISCHG	294.13	294.41	294.16	293.39	292.14	290.46	288.41	286.11	283.60	280.95
17.43	DISCHG	278.20	275.41	272.63	269.90	267.28	264.81	262.54	260.50	258.73	257.18
18.26	DISCHG	255.82	254.60	253.51	252.53	251.66	250.88	250.17	249.54	248.99	248.51
19.09	DISCHG	248.09	247.72	247.39	247.09	246.83	246.61	246.41	246.24	246.10	245.97
19.92	DISCHG	245.87	245.78	245.62	245.32	244.83	244.09	243.06	241.67	239.81	237.40
20.75	DISCHG	234.33	230.61	226.31	221.49	216.23	210.64	204.80	198.82	192.82	186.93
21.58	DISCHG	181.26	175.89	170.89	166.25	162.01	158.14	154.67	151.53	148.64	145.96
22.41	DISCHG	143.51	141.33	139.43	137.81	136.44	135.30	134.30	133.40	132.53	131.65
23.24	DISCHG	130.75	129.84	128.99	128.23	127.61	127.15	126.84	126.66	126.55	126.42

24.07	DISCHG	126.14	125.59	124.65	123.27	121.46	119.18	116.38	113.04	109.11	104.60

RUNOFF VOLUME ABOVE BASEFLOW = 2.10 WATERSHED INCHES, 14511.22 CFS-HRS, 1199.21 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 30
OUTPUT HYDROGRAPH= 6
AREA= 4.73 SQ MI INPUT RUNOFF CURVE= 75. TIME OF CONCENTRATION= 1.52 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0844 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.88	2622.47	(RUNOFF)
12.23	186.95	(RUNOFF)
16.51	130.67	(RUNOFF)
19.96	107.11	(RUNOFF)
23.96	54.56	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 4.73 SQ.MI.

4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	6.12	25.57
5.81	DISCHG	69.23	148.36	275.71	454.29	682.73	957.39	1267.96	1594.86	1909.69	2179.12
6.64	DISCHG	2386.12	2526.95	2603.54	2622.13	2591.90	2517.73	2406.45	2266.68	2104.91	1929.48
7.47	DISCHG	1752.08	1587.49	1444.71	1321.63	1213.39	1117.02	1031.62	955.63	886.94	825.16
8.30	DISCHG	770.25	721.42	677.06	635.67	596.75	560.01	525.44	492.93	462.52	434.64
9.13	DISCHG	408.56	384.52	362.61	342.78	324.96	309.17	295.66	283.92	273.81	265.08
9.96	DISCHG	257.45	250.78	244.84	239.12	233.36	227.38	220.96	213.90	206.16	197.98
10.79	DISCHG	189.63	181.42	173.58	166.50	160.28	155.16	151.42	149.32	149.23	151.35
11.62	DISCHG	155.46	160.98	167.24	173.51	179.06	183.27	185.86	186.89	186.65	185.55
12.45	DISCHG	184.00	182.23	180.34	178.48	176.72	174.96	173.08	170.98	168.64	165.92
13.28	DISCHG	162.77	159.20	155.31	151.16	146.73	142.25	137.90	133.78	129.97	126.57
14.11	DISCHG	123.74	121.43	119.56	118.07	116.96	116.25	115.90	115.85	116.08	116.52
14.94	DISCHG	117.12	117.81	118.56	119.33	120.10	120.84	121.54	122.19	122.80	123.39
15.77	DISCHG	124.01	124.69	125.46	126.35	127.31	128.29	129.21	129.98	130.50	130.67
16.60	DISCHG	130.44	129.82	128.83	127.57	126.11	124.49	122.79	121.06	119.37	117.77
17.43	DISCHG	116.28	114.95	113.81	112.85	112.04	111.33	110.72	110.19	109.73	109.32
18.26	DISCHG	108.97	108.67	108.41	108.19	107.99	107.83	107.69	107.57	107.47	107.39
19.09	DISCHG	107.32	107.26	107.22	107.18	107.15	107.13	107.12	107.11	107.10	107.11
19.92	DISCHG	107.11	107.11	107.05	106.85	106.48	105.88	105.01	103.79	102.15	100.08
20.75	DISCHG	97.64	94.89	91.88	88.66	85.31	81.92	78.61	75.47	72.57	70.03
21.58	DISCHG	67.89	66.15	64.72	63.52	62.46	61.48	60.55	59.65	58.80	58.02
22.41	DISCHG	57.35	56.82	56.43	56.16	55.99	55.89	55.79	55.65	55.45	55.20
23.24	DISCHG	54.92	54.64	54.39	54.24	54.18	54.21	54.29	54.42	54.52	54.55
24.07	DISCHG	54.41	54.03	53.34	52.30	50.89	49.06	46.75	44.02	40.98	37.74

RUNOFF VOLUME ABOVE BASEFLOW = 2.06 WATERSHED INCHES, 6302.97 CFS-HRS, 520.88 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 31
OUTPUT HYDROGRAPH= 6
AREA= 1.69 SQ MI INPUT RUNOFF CURVE= 76. TIME OF CONCENTRATION= 0.93 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0886 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.45	1453.72	(RUNOFF)
11.85	79.16	(RUNOFF)
12.77	63.39	(RUNOFF)
16.25	49.37	(RUNOFF)
19.94	38.82	(RUNOFF)
21.76	20.95	(RUNOFF)
22.81	20.45	(RUNOFF)
23.81	20.47	(RUNOFF)

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 1.69 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.17	10.43	39.29
5.81	DISCHG	103.14	219.70	399.50	632.57	890.14	1135.21	1327.14	1433.80	1451.16	1394.93
6.64	DISCHG	1283.81	1142.72	993.35	850.87	730.38	633.96	554.86	488.12	430.48	380.22
7.47	DISCHG	337.17	300.58	269.63	243.98	223.34	207.45	195.69	186.92	179.58	172.70
8.30	DISCHG	165.26	156.75	147.19	137.03	126.75	116.86	107.91	100.28	94.22	89.74
9.13	DISCHG	86.47	83.87	81.78	80.12	78.80	77.77	76.95	76.30	75.79	75.40
9.96	DISCHG	75.09	74.74	74.15	73.11	71.40	68.88	65.63	61.99	58.25	54.66
10.79	DISCHG	51.41	48.57	46.27	44.72	44.15	44.86	47.20	51.36	57.07	63.56
11.62	DISCHG	69.83	75.01	78.30	79.11	77.25	73.68	69.48	65.46	62.33	60.50
12.45	DISCHG	60.10	60.81	61.98	63.00	63.38	62.77	61.14	58.73	55.90	52.97
13.28	DISCHG	50.23	47.80	45.79	44.23	43.00	42.02	41.22	40.57	40.05	39.65
14.11	DISCHG	39.38	39.26	39.34	39.65	40.15	40.78	41.48	42.17	42.81	43.38
14.94	DISCHG	43.86	44.23	44.52	44.76	44.96	45.12	45.26	45.39	45.55	45.79
15.77	DISCHG	46.14	46.67	47.36	48.11	48.78	49.24	49.37	49.08	48.38	47.37
16.60	DISCHG	46.20	44.98	43.82	42.78	41.90	41.21	40.67	40.24	39.91	39.63
17.43	DISCHG	39.41	39.24	39.10	39.00	38.91	38.85	38.80	38.76	38.73	38.71
18.26	DISCHG	38.69	38.68	38.68	38.67	38.67	38.67	38.68	38.68	38.69	38.70
19.09	DISCHG	38.71	38.72	38.73	38.74	38.75	38.76	38.78	38.79	38.80	38.81
19.92	DISCHG	38.82	38.81	38.72	38.44	37.91	37.05	35.86	34.43	32.85	31.19
20.75	DISCHG	29.50	27.80	26.12	24.55	23.16	21.99	21.11	20.56	20.35	20.41
21.58	DISCHG	20.61	20.82	20.95	20.90	20.64	20.21	19.69	19.22	18.87	18.75
22.41	DISCHG	18.87	19.21	19.66	20.08	20.37	20.45	20.28	19.93	19.48	19.06
23.24	DISCHG	18.76	18.66	18.79	19.14	19.60	20.04	20.36	20.47	20.33	19.97
24.07	DISCHG	19.40	18.61	17.58	16.26	14.66	12.89	11.07	9.30	7.66	6.19

RUNOFF VOLUME ABOVE BASEFLOW = 2.14 WATERSHED INCHES, 2328.20 CFS-HRS, 192.40 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 32
OUTPUT HYDROGRAPH= 6
AREA= 0.78 SQ MI INPUT RUNOFF CURVE= 77. TIME OF CONCENTRATION= 0.80 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0889 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.35	764.85	(RUNOFF)
11.77	38.59	(RUNOFF)
12.72	29.95	(RUNOFF)
16.20	23.25	(RUNOFF)
19.96	18.02	(RUNOFF)
21.73	9.76	(RUNOFF)
22.75	9.64	(RUNOFF)
23.75	9.66	(RUNOFF)

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 0.78 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.24	8.30	29.28
5.81	DISCHG	74.85	155.46	274.36	419.70	567.49	689.92	757.20	760.30	715.38	641.07
6.64	DISCHG	554.01	467.21	390.90	329.67	281.67	242.83	210.63	183.69	161.16	142.08
7.47	DISCHG	125.89	112.51	101.72	93.24	87.00	82.75	80.00	78.02	76.09	73.59
8.30	DISCHG	70.06	65.50	60.45	55.49	51.03	47.22	44.08	41.79	40.04	38.71
9.13	DISCHG	37.66	36.86	36.24	35.76	35.40	35.13	34.93	34.79	34.68	34.60
9.96	DISCHG	34.54	34.42	34.09	33.41	32.24	30.62	28.73	26.77	24.92	23.27
10.79	DISCHG	21.90	20.84	20.06	19.60	19.68	20.54	22.46	25.53	29.22	32.92
11.62	DISCHG	36.04	38.06	38.57	37.54	35.39	32.75	30.19	28.16	27.00	26.87
12.45	DISCHG	27.52	28.51	29.42	29.92	29.79	28.93	27.59	26.02	24.44	22.99
13.28	DISCHG	21.76	20.79	20.07	19.51	19.08	18.73	18.47	18.27	18.11	18.01
14.11	DISCHG	17.98	18.04	18.21	18.49	18.84	19.22	19.59	19.93	20.22	20.45
14.94	DISCHG	20.62	20.76	20.87	20.95	21.02	21.08	21.13	21.18	21.26	21.40
15.77	DISCHG	21.63	21.95	22.35	22.75	23.08	23.24	23.16	22.77	22.18	21.50
16.60	DISCHG	20.81	20.18	19.65	19.23	18.92	18.68	18.50	18.35	18.24	18.16
17.43	DISCHG	18.10	18.05	18.01	17.98	17.97	17.95	17.94	17.93	17.93	17.93
18.26	DISCHG	17.93	17.93	17.93	17.93	17.93	17.94	17.94	17.95	17.95	17.96
19.09	DISCHG	17.96	17.97	17.97	17.98	17.98	17.99	17.99	18.00	18.00	18.01
19.92	DISCHG	18.01	18.02	17.96	17.77	17.40	16.81	16.05	15.21	14.36	13.52
20.75	DISCHG	12.69	11.90	11.15	10.45	9.85	9.39	9.11	9.04	9.15	9.35
21.58	DISCHG	9.56	9.72	9.76	9.65	9.42	9.12	8.82	8.60	8.50	8.56
22.41	DISCHG	8.76	9.05	9.33	9.55	9.64	9.57	9.36	9.08	8.80	8.59
23.24	DISCHG	8.50	8.56	8.76	9.04	9.33	9.55	9.66	9.60	9.39	9.11
24.07	DISCHG	8.74	8.27	7.66	6.89	5.98	5.03	4.10	3.25	2.52	1.93

RUNOFF VOLUME ABOVE BASEFLOW = 2.17 WATERSHED INCHES, 1089.38 CFS-HRS, 90.03 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 33
OUTPUT HYDROGRAPH= 6
AREA= 1.49 SQ MI INPUT RUNOFF CURVE= 75. TIME OF CONCENTRATION= 1.15 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0852 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.61	1022.40	(RUNOFF)
11.98	63.07	(RUNOFF)
12.83	53.82	(RUNOFF)
16.35	41.83	(RUNOFF)
19.97	33.50	(RUNOFF)
23.91	17.31	(RUNOFF)

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 1.49 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	4.09	16.06
5.81	DISCHG	43.36	94.19	177.00	293.75	436.96	594.35	748.90	879.66	970.34	1015.33
6.64	DISCHG	1020.50	993.11	938.47	864.87	781.04	693.71	611.38	540.82	481.99	431.69
7.47	DISCHG	387.75	348.79	314.14	284.00	258.34	236.63	218.39	203.16	190.36	179.46
8.30	DISCHG	169.92	160.95	152.00	142.97	133.95	125.10	116.70	108.92	101.91	95.68
9.13	DISCHG	90.30	85.74	81.85	78.47	75.54	73.06	71.02	69.43	68.31	67.49
9.96	DISCHG	66.80	66.19	65.52	64.70	63.63	62.19	60.31	58.05	55.52	52.88
10.79	DISCHG	50.24	47.70	45.35	43.32	41.85	41.17	41.41	42.73	45.20	48.60
11.62	DISCHG	52.43	56.21	59.50	61.87	62.97	62.84	61.75	60.01	57.98	56.08
12.45	DISCHG	54.69	53.88	53.54	53.58	53.76	53.78	53.35	52.45	51.10	49.40
13.28	DISCHG	47.50	45.54	43.65	41.89	40.34	39.05	38.00	37.14	36.43	35.85
14.11	DISCHG	35.38	35.04	34.83	34.77	34.86	35.07	35.38	35.76	36.16	36.57
14.94	DISCHG	36.97	37.35	37.68	37.97	38.22	38.43	38.60	38.76	38.91	39.10
15.77	DISCHG	39.33	39.62	40.01	40.48	40.96	41.39	41.70	41.83	41.72	41.37
16.60	DISCHG	40.82	40.14	39.37	38.57	37.80	37.07	36.43	35.89	35.44	35.08
17.43	DISCHG	34.79	34.54	34.33	34.16	34.01	33.90	33.80	33.72	33.65	33.60
18.26	DISCHG	33.55	33.52	33.49	33.47	33.45	33.44	33.43	33.43	33.43	33.43
19.09	DISCHG	33.43	33.43	33.43	33.44	33.44	33.45	33.45	33.46	33.47	33.48
19.92	DISCHG	33.49	33.50	33.45	33.33	33.08	32.68	32.08	31.27	30.30	29.19
20.75	DISCHG	27.99	26.72	25.41	24.09	22.81	21.65	20.66	19.85	19.25	18.85
21.58	DISCHG	18.61	18.47	18.40	18.33	18.21	18.00	17.73	17.43	17.14	16.90
22.41	DISCHG	16.77	16.77	16.86	17.02	17.20	17.34	17.38	17.32	17.16	16.96
23.24	DISCHG	16.74	16.57	16.49	16.53	16.67	16.86	17.06	17.23	17.31	17.26
24.07	DISCHG	17.07	16.70	16.16	15.42	14.48	13.36	12.10	10.78	9.47	8.20

RUNOFF VOLUME ABOVE BASEFLOW = 2.04 WATERSHED INCHES, 1962.19 CFS-HRS, 162.16 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 34
OUTPUT HYDROGRAPH= 6
AREA= 6.31 SQ MI INPUT RUNOFF CURVE= 77. TIME OF CONCENTRATION= 2.50 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0833 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
7.59	2482.51	(RUNOFF)
16.85	175.84	(RUNOFF)

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 6.31 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	3.73	12.37
5.81	DISCHG	30.74	63.07	113.58	180.41	265.54	365.61	482.43	617.02	772.74	947.42

6.64	DISCHG.	1139.26	1339.49	1540.76	1732.56	1905.67	2058.40	2185.91	2290.00	2369.52	2427.97
7.47	DISCHG	2463.97	2480.86	2479.47	2460.30	2422.75	2373.14	2314.27	2245.83	2166.41	2075.76
8.30	DISCHG	1974.63	1867.44	1758.83	1654.80	1560.21	1474.22	1396.64	1324.77	1256.96	1193.29
9.13	DISCHG	1134.01	1078.66	1026.83	977.45	929.85	884.12	840.52	799.57	761.71	726.61
9.96	DISCHG	694.00	663.39	634.31	606.79	580.90	556.62	533.79	512.32	492.19	473.21
10.79	DISCHG	455.08	437.86	421.59	406.12	391.28	377.19	363.98	351.75	340.52	330.29
11.62	DISCHG	321.02	312.72	305.31	298.90	293.65	289.44	286.01	283.26	281.00	279.01
12.45	DISCHG	277.00	275.01	273.04	271.18	269.50	267.91	266.20	264.37	262.44	260.32
13.28	DISCHG	257.87	255.05	251.81	248.09	243.81	239.06	233.98	228.67	223.33	218.12
14.11	DISCHG	213.28	208.85	204.85	201.21	197.74	194.43	191.25	188.21	185.35	182.70
14.94	DISCHG	180.32	178.25	176.53	175.13	174.03	173.19	172.55	172.09	171.77	171.60
15.77	DISCHG	171.56	171.65	171.82	172.09	172.43	172.84	173.29	173.77	174.27	174.76
16.60	DISCHG	175.18	175.53	175.75	175.84	175.74	175.45	175.00	174.38	173.63	172.76
17.43	DISCHG	171.79	170.73	169.62	168.47	167.27	166.05	164.84	163.64	162.45	161.27
18.26	DISCHG	160.13	159.02	157.98	157.01	156.13	155.34	154.62	153.99	153.40	152.86
19.09	DISCHG	152.37	151.93	151.51	151.13	150.79	150.47	150.17	149.91	149.68	149.47
19.92	DISCHG	149.28	149.11	148.91	148.70	148.42	148.08	147.65	147.14	146.49	145.70
20.75	DISCHG	144.71	143.51	142.07	140.37	138.45	136.31	134.00	131.53	128.94	126.23
21.58	DISCHG	123.47	120.66	117.85	115.05	112.33	109.69	107.17	104.76	102.45	100.25
22.41	DISCHG	98.17	96.21	94.38	92.70	91.15	89.74	88.45	87.29	86.25	85.33
23.24	DISCHG	84.51	83.76	83.06	82.40	81.75	81.11	80.50	79.93	79.41	78.95
24.07	DISCHG	78.52	78.11	77.64	77.09	76.41	75.58	74.56	73.35	71.91	70.25

RUNOFF VOLUME ABOVE BASEFLOW = 2.18 WATERSHED INCHES, 8875.75 CFS-HRS, 733.49 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 35
OUTPUT HYDROGRAPH= 6
AREA= 5.46 SQ MI INPUT RUNOFF CURVE= 76. TIME OF CONCENTRATION= 1.75 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0833 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
7.04	2771.49	(RUNOFF)
12.38	214.20	(RUNOFF)
16.60	151.42	(RUNOFF)
23.89	64.06	(RUNOFF)

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 5.46 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	6.20	23.30
5.81	DISCHG	60.27	126.03	230.62	374.99	558.56	782.65	1045.97	1339.31	1646.72	1946.38
6.64	DISCHG	2211.26	2427.21	2588.73	2696.80	2756.25	2771.17	2746.29	2685.21	2593.82	2477.67
7.47	DISCHG	2339.55	2183.48	2017.17	1850.79	1697.63	1563.32	1447.31	1344.70	1252.11	1168.69
8.30	DISCHG	1093.89	1025.33	961.38	901.77	846.64	795.66	748.19	703.71	661.92	622.68
9.13	DISCHG	586.02	551.97	520.24	490.79	464.03	439.71	417.53	397.55	379.83	364.20
9.96	DISCHG	350.41	338.04	326.82	316.57	307.00	297.95	289.20	280.50	271.73	262.89
10.79	DISCHG	253.91	244.70	235.28	225.93	217.00	208.80	201.58	195.63	191.30	188.83
11.62	DISCHG	188.33	189.80	193.01	197.36	201.96	206.25	209.77	212.24	213.69	214.18
12.45	DISCHG	213.99	213.39	212.58	211.62	210.41	208.86	206.95	204.61	201.83	198.59
13.28	DISCHG	195.05	191.36	187.59	183.72	179.69	175.52	171.24	166.89	162.54	158.30
14.11	DISCHG	154.34	150.75	147.61	145.00	142.91	141.27	140.03	139.18	138.68	138.48

14.94	DISCHG	138.50	138.72	139.09	139.57	140.14	140.74	141.36	141.99	142.64	143.31
15.77	DISCHG	144.01	144.74	145.53	146.39	147.31	148.26	149.19	150.05	150.76	151.24
16.60	DISCHG	151.42	151.23	150.69	149.84	148.73	147.42	145.98	144.43	142.82	141.18
17.43	DISCHG	139.54	137.94	136.42	135.00	133.72	132.61	131.66	130.84	130.12	129.49
18.26	DISCHG	128.94	128.46	128.02	127.64	127.30	127.00	126.74	126.52	126.32	126.14
19.09	DISCHG	125.99	125.86	125.75	125.66	125.58	125.51	125.45	125.41	125.37	125.34
19.92	DISCHG	125.31	125.29	125.22	125.05	124.74	124.26	123.57	122.62	121.34	119.65
20.75	DISCHG	117.56	115.11	112.33	109.29	106.05	102.66	99.19	95.74	92.41	89.27
21.58	DISCHG	86.37	83.75	81.43	79.43	77.70	76.15	74.72	73.38	72.14	71.01
22.41	DISCHG	70.00	69.14	68.42	67.86	67.42	67.06	66.73	66.39	66.04	65.65
23.24	DISCHG	65.26	64.87	64.54	64.29	64.12	64.04	64.02	64.04	64.06	64.03
24.07	DISCHG	63.87	63.51	62.91	62.05	60.90	59.42	57.59	55.35	52.72	49.76

RUNOFF VOLUME ABOVE BASEFLOW = 2.11 WATERSHED INCHES, 7438.05 CFS-HRS, 614.68 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 36
OUTPUT HYDROGRAPH= 6
AREA= 2.15 SQ MI INPUT RUNOFF CURVE= 74, TIME OF CONCENTRATION= 1.29 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0860 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.72	1275.98	(RUNOFF)
12.07	85.79	(RUNOFF)
16.42	58.47	(RUNOFF)
19.96	47.30	(RUNOFF)
23.96	24.27	(RUNOFF)

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 2.15 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	3.52	14.92
5.81	DISCHG	41.37	90.82	171.63	287.82	435.94	607.64	789.96	963.27	1106.46	1206.21
6.64	DISCHG	1261.09	1275.93	1257.49	1211.05	1139.05	1051.69	954.23	853.80	760.89	683.06
7.47	DISCHG	617.62	559.77	508.41	462.80	422.10	386.29	355.79	329.95	307.49	287.76
8.30	DISCHG	270.32	254.59	239.87	225.76	212.20	199.08	186.52	174.60	163.41	153.17
9.13	DISCHG	143.96	135.76	128.75	122.86	118.00	113.91	110.30	107.06	104.11	101.42
9.96	DISCHG	99.08	97.05	95.24	93.61	92.02	90.19	87.93	85.21	82.12	78.78
10.79	DISCHG	75.35	71.92	68.60	65.58	63.09	61.39	60.66	61.14	62.99	66.15
11.62	DISCHG	70.17	74.51	78.69	82.21	84.66	85.69	85.58	84.64	83.13	81.29
12.45	DISCHG	79.51	78.14	77.18	76.51	76.07	75.74	75.27	74.40	73.09	71.40
13.28	DISCHG	69.40	67.13	64.73	62.35	60.10	58.01	56.16	54.62	53.36	52.31
14.11	DISCHG	51.45	50.77	50.26	49.94	49.80	49.86	50.07	50.40	50.82	51.28
14.94	DISCHG	51.77	52.25	52.71	53.13	53.50	53.82	54.08	54.32	54.55	54.81
15.77	DISCHG	55.12	55.49	55.95	56.50	57.08	57.63	58.09	58.39	58.46	58.26
16.60	DISCHG	57.80	57.14	56.34	55.43	54.47	53.52	52.61	51.77	51.02	50.39
17.43	DISCHG	49.88	49.45	49.08	48.78	48.52	48.29	48.10	47.94	47.81	47.70
18.26	DISCHG	47.60	47.52	47.46	47.41	47.36	47.33	47.30	47.28	47.27	47.26
19.09	DISCHG	47.25	47.24	47.24	47.25	47.25	47.26	47.26	47.27	47.28	47.28
19.92	DISCHG	47.29	47.29	47.25	47.12	46.87	46.46	45.85	45.00	43.92	42.63
20.75	DISCHG	41.19	39.62	37.97	36.25	34.52	32.86	31.33	30.00	28.92	28.11
21.58	DISCHG	27.52	27.09	26.77	26.52	26.27	25.98	25.63	25.26	24.89	24.56

22.41	DISCHG	24.30	24.15	24.12	24.18	24.27	24.38	24.45	24.44	24.33	24.16
23.24	DISCHG	23.97	23.78	23.63	23.59	23.65	23.78	23.94	24.11	24.23	24.26
24.07	DISCHG	24.13	23.80	23.28	22.53	21.52	20.26	18.77	17.14	15.44	13.74

RUNOFF VOLUME ABOVE BASEFLOW = 1.96 WATERSHED INCHES, 2715.41 CFS-HRS, 224.40 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 37
OUTPUT HYDROGRAPH= 6
AREA= 5.99 SQ MI INPUT RUNOFF CURVE= 76. TIME OF CONCENTRATION= 1.96 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0817 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
7.20	2785.11	(RUNOFF)
12.48	234.13	(RUNOFF)
16.69	165.42	(RUNOFF)

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 5.99 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.49	4.96	18.87
5.81	DISCHG	49.19	103.39	187.76	303.62	450.74	629.70	841.73	1086.16	1355.34	1634.80
6.64	DISCHG	1907.64	2154.77	2363.07	2528.45	2651.54	2733.34	2776.19	2784.09	2760.01	2706.99
7.47	DISCHG	2629.57	2532.24	2416.24	2282.49	2135.79	1984.02	1836.85	1702.77	1584.65	1480.37
8.30	DISCHG	1386.51	1301.25	1223.57	1152.62	1086.76	1024.11	964.23	907.53	854.77	806.03
9.13	DISCHG	760.74	718.35	678.59	641.41	606.67	574.38	544.54	516.85	491.30	468.27
9.96	DISCHG	447.60	429.01	412.32	397.23	383.32	370.38	358.10	346.21	334.68	323.33
10.79	DISCHG	312.02	300.75	289.65	278.82	268.53	259.08	250.73	243.59	237.67	233.07
11.62	DISCHG	229.80	227.87	227.20	227.56	228.63	230.04	231.49	232.70	233.49	233.91
12.45	DISCHG	234.11	234.09	233.76	233.22	232.54	231.66	230.47	228.84	226.66	223.82
13.28	DISCHG	220.40	216.55	212.44	208.23	204.03	199.90	195.79	191.65	187.48	183.28
14.11	DISCHG	179.13	175.08	171.24	167.70	164.55	161.90	159.75	158.09	156.84	155.95
14.94	DISCHG	155.36	155.02	154.91	154.96	155.14	155.43	155.81	156.26	156.77	157.34
15.77	DISCHG	157.97	158.66	159.40	160.20	161.02	161.86	162.69	163.49	164.24	164.84
16.60	DISCHG	165.26	165.42	165.27	164.84	164.13	163.19	162.04	160.74	159.33	157.84
17.43	DISCHG	156.30	154.73	153.16	151.63	150.16	148.77	147.49	146.35	145.35	144.48
18.26	DISCHG	143.71	143.03	142.41	141.86	141.37	140.93	140.53	140.18	139.87	139.60
19.09	DISCHG	139.36	139.15	138.96	138.80	138.65	138.52	138.41	138.32	138.24	138.17
19.92	DISCHG	138.11	138.05	137.96	137.79	137.52	137.10	136.52	135.74	134.70	133.34
20.75	DISCHG	131.61	129.53	127.11	124.40	121.45	118.31	115.03	111.67	108.30	104.99
21.58	DISCHG	101.80	98.79	95.98	93.37	90.99	88.82	86.87	85.10	83.48	81.97
22.41	DISCHG	80.60	79.37	78.31	77.39	76.63	75.98	75.43	74.92	74.43	73.94
23.24	DISCHG	73.43	72.92	72.44	72.02	71.67	71.41	71.23	71.13	71.07	71.00
24.07	DISCHG	70.84	70.53	70.00	69.23	68.21	66.93	65.35	63.48	61.27	58.74

RUNOFF VOLUME ABOVE BASEFLOW = 2.12 WATERSHED INCHES, 8197.84 CFS-HRS, 677.47 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 38
OUTPUT HYDROGRAPH= 6
AREA= 5.45 SQ MI INPUT RUNOFF CURVE= 76. TIME OF CONCENTRATION= 1.41 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0855 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.80	3296.18	(RUNOFF)
12.15	221.36	(RUNOFF)
16.46	153.03	(RUNOFF)
19.97	124.59	(RUNOFF)
22.89	64.47	(RUNOFF)
23.97	63.53	(RUNOFF)

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 5.45 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.78	8.41	35.51
5.81	DISCHG	97.45	212.10	398.45	662.15	996.56	1390.57	1821.44	2252.30	2638.21	2944.09
6.64	DISCHG	3153.79	3267.71	3295.76	3252.18	3144.54	2984.32	2785.48	2560.16	2322.92	2092.16
7.47	DISCHG	1884.54	1706.41	1553.05	1417.54	1297.35	1190.87	1095.90	1011.76	938.59	874.78
8.30	DISCHG	818.03	766.52	719.22	675.21	633.70	594.11	557.30	522.68	490.08	459.67
9.13	DISCHG	431.76	406.32	383.41	363.15	345.64	330.83	318.24	307.43	298.26	290.31
9.96	DISCHG	283.15	276.48	270.01	263.49	256.78	249.80	242.45	234.69	226.62	218.34
10.79	DISCHG	209.75	201.02	192.40	184.24	177.20	171.79	168.32	167.28	169.20	174.24
11.62	DISCHG	181.74	190.60	199.80	208.28	214.99	219.35	221.20	220.97	219.23	216.55
12.45	DISCHG	213.45	210.36	207.64	205.39	203.47	201.67	199.83	197.67	194.88	191.29
13.28	DISCHG	187.01	182.18	176.87	171.21	165.53	160.06	154.93	150.25	146.19	142.80
14.11	DISCHG	140.01	137.75	135.96	134.65	133.78	133.36	133.38	133.78	134.45	135.30
14.94	DISCHG	136.27	137.33	138.40	139.43	140.42	141.33	142.13	142.81	143.45	144.09
15.77	DISCHG	144.81	145.65	146.67	147.88	149.20	150.50	151.66	152.54	153.00	152.92
16.60	DISCHG	152.27	151.10	149.52	147.63	145.55	143.33	141.10	138.94	136.91	135.05
17.43	DISCHG	133.43	132.08	130.94	129.98	129.16	128.45	127.84	127.30	126.85	126.46
18.26	DISCHG	126.12	125.84	125.60	125.39	125.22	125.07	124.95	124.85	124.77	124.70
19.09	DISCHG	124.65	124.61	124.58	124.56	124.55	124.54	124.54	124.54	124.55	124.56
19.92	DISCHG	124.58	124.58	124.51	124.24	123.72	122.88	121.63	119.87	117.55	114.70
20.75	DISCHG	111.40	107.76	103.85	99.72	95.49	91.32	87.33	83.66	80.45	77.80
21.58	DISCHG	75.71	74.08	72.78	71.70	70.74	69.80	68.86	67.90	66.96	66.10
22.41	DISCHG	65.38	64.85	64.53	64.40	64.39	64.45	64.47	64.40	64.20	63.87
23.24	DISCHG	63.48	63.09	62.78	62.61	62.60	62.75	62.99	63.25	63.45	63.52
24.07	DISCHG	63.32	62.73	61.69	60.17	58.12	55.46	52.24	48.55	44.57	40.43

RUNOFF VOLUME ABOVE BASEFLOW = 2.11 WATERSHED INCHES, 7407.08 CFS-HRS, 612.12 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 39
OUTPUT HYDROGRAPH= 6
AREA= 3.96 SQ MI INPUT RUNOFF CURVE= 76. TIME OF CONCENTRATION= 1.41 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0855 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.80	2444.49	(RUNOFF)
12.15	162.40	(RUNOFF)
16.46	112.20	(RUNOFF)
19.97	91.32	(RUNOFF)
22.89	47.24	(RUNOFF)
23.97	46.55	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 3.96 SQ.MI.

4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.66	6.60	27.28
5.81	DISCHG	74.04	160.08	299.41	496.16	745.22	1038.08	1357.67	1676.61	1961.74	2187.30
6.64	DISCHG	2341.42	2424.52	2444.03	2410.52	2329.58	2209.76	2061.52	1893.93	1717.81	1546.70
7.47	DISCHG	1392.84	1260.86	1147.24	1046.85	957.82	878.96	808.62	746.32	692.15	644.89
8.30	DISCHG	602.88	564.76	529.76	497.22	466.54	437.30	410.13	384.58	360.53	338.11
9.13	DISCHG	317.53	298.77	281.89	266.95	254.04	243.13	233.85	225.88	219.11	213.25
9.96	DISCHG	207.97	203.04	198.26	193.45	188.49	183.36	177.95	172.25	166.32	160.24
10.79	DISCHG	153.93	147.52	141.20	135.20	130.04	126.06	123.52	122.75	124.16	127.85
11.62	DISCHG	133.35	139.85	146.59	152.81	157.73	160.93	162.29	162.11	160.83	158.87
12.45	DISCHG	156.59	154.32	152.33	150.67	149.26	147.93	146.58	145.00	142.95	140.32
13.28	DISCHG	137.18	133.63	129.73	125.58	121.41	117.40	113.63	110.20	107.22	104.73
14.11	DISCHG	102.69	101.03	99.71	98.75	98.11	97.80	97.82	98.11	98.60	99.22
14.94	DISCHG	99.94	100.71	101.49	102.25	102.97	103.64	104.22	104.72	105.19	105.66
15.77	DISCHG	106.18	106.80	107.55	108.43	109.40	110.35	111.20	111.84	112.18	112.12
16.60	DISCHG	111.64	110.79	109.62	108.24	106.71	105.08	103.44	101.86	100.37	99.01
17.43	DISCHG	97.82	96.83	96.00	95.29	94.68	94.16	93.71	93.32	92.99	92.70
18.26	DISCHG	92.46	92.25	92.07	91.92	91.79	91.68	91.59	91.52	91.46	91.41
19.09	DISCHG	91.37	91.34	91.32	91.30	91.29	91.28	91.28	91.28	91.29	91.30
19.92	DISCHG	91.31	91.31	91.25	91.06	90.68	90.06	89.14	87.85	86.15	84.06
20.75	DISCHG	81.65	78.98	76.11	73.08	69.98	66.93	64.00	61.31	58.96	57.02
21.58	DISCHG	55.49	54.29	53.33	52.54	51.84	51.15	50.46	49.76	49.07	48.44
22.41	DISCHG	47.91	47.52	47.29	47.19	47.19	47.23	47.24	47.19	47.04	46.80
23.24	DISCHG	46.52	46.23	46.00	45.88	45.87	45.98	46.15	46.34	46.49	46.55
24.07	DISCHG	46.40	45.96	45.20	44.09	42.58	40.64	38.27	35.58	32.66	29.62

RUNOFF VOLUME ABOVE BASEFLOW = 2.14 WATERSHED INCHES, 5470.65 CFS-HRS, 452.09 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 40
OUTPUT HYDROGRAPH= 6
AREA= 1.49 SQ MI INPUT RUNOFF CURVE= 75. TIME OF CONCENTRATION= 1.25 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0833 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.68	952.41	(RUNOFF)
12.05	61.21	(RUNOFF)
16.40	41.39	(RUNOFF)
19.98	33.37	(RUNOFF)
23.95	17.15	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 1.49 SQ.MI.

4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	2.90	12.22
5.81	DISCHG	33.59	73.32	139.00	233.19	351.20	485.98	626.02	754.59	854.77	919.12
6.64	DISCHG	948.80	948.55	924.25	877.67	815.53	743.90	667.34	592.58	527.61	473.93
7.47	DISCHG	427.63	386.58	350.27	317.83	289.05	264.38	243.64	225.92	210.58	197.25
8.30	DISCHG	185.56	174.94	164.99	155.33	145.88	136.71	127.92	119.54	111.80	104.79
9.13	DISCHG	98.55	93.10	88.48	84.70	81.49	78.64	76.11	73.82	71.79	70.04
9.96	DISCHG	68.63	67.50	66.58	65.69	64.64	63.34	61.69	59.68	57.40	54.95

10.79	DISCHG	52.45	49.98	47.60	45.47	43.76	42.65	42.30	42.88	44.51	47.06
11.62	DISCHG	50.19	53.47	56.54	59.04	60.65	61.20	60.90	59.99	58.65	57.12
12.45	DISCHG	55.76	54.81	54.18	53.81	53.64	53.53	53.23	52.56	51.54	50.23
13.28	DISCHG	48.68	46.95	45.16	43.45	41.83	40.37	39.13	38.12	37.28	36.58
14.11	DISCHG	36.02	35.58	35.26	35.07	35.02	35.10	35.30	35.58	35.91	36.26
14.94	DISCHG	36.63	36.98	37.31	37.60	37.86	38.08	38.26	38.42	38.59	38.77
15.77	DISCHG	38.99	39.26	39.59	40.00	40.43	40.83	41.15	41.35	41.37	41.18
16.60	DISCHG	40.80	40.28	39.66	38.97	38.26	37.56	36.91	36.32	35.80	35.38
17.43	DISCHG	35.04	34.75	34.51	34.31	34.13	33.99	33.86	33.76	33.67	33.60
18.26	DISCHG	33.54	33.49	33.45	33.42	33.39	33.37	33.35	33.34	33.33	33.33
19.09	DISCHG	33.32	33.32	33.32	33.32	33.33	33.33	33.33	33.34	33.34	33.35
19.92	DISCHG	33.36	33.37	33.34	33.25	33.07	32.76	32.30	31.65	30.82	29.85
20.75	DISCHG	28.77	27.63	26.41	25.16	23.91	22.72	21.64	20.74	20.02	19.49
21.58	DISCHG	19.12	18.87	18.69	18.55	18.41	18.20	17.95	17.69	17.42	17.17
22.41	DISCHG	16.99	16.91	16.93	17.00	17.10	17.20	17.27	17.25	17.15	17.01
23.24	DISCHG	16.85	16.69	16.58	16.57	16.63	16.75	16.89	17.03	17.13	17.14
24.07	DISCHG	17.03	16.77	16.37	15.79	15.02	14.06	12.95	11.75	10.50	9.28

RUNOFF VOLUME ABOVE BASEFLOW = 2.04 WATERSHED INCHES, 1952.47 CFS-HRS, 161.35 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 41
OUTPUT HYDROGRAPH= 6
AREA= 1.58 SQ MI INPUT RUNOFF CURVE= 77. TIME OF CONCENTRATION= 1.09 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0807 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.57	1235.81	(RUNOFF)
11.95	70.85	(RUNOFF)
12.81	59.47	(RUNOFF)
16.33	46.21	(RUNOFF)
19.96	36.80	(RUNOFF)
21.71	20.04	(RUNOFF)
22.89	19.12	(RUNOFF)
23.89	19.10	(RUNOFF)

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 1.58 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	5.54	22.46
5.81	DISCHG	60.38	130.37	245.27	404.38	592.80	791.61	976.12	1119.78	1206.19	1235.56
6.64	DISCHG	1216.02	1157.22	1068.96	964.55	854.07	747.45	654.62	578.07	513.81	458.44
7.47	DISCHG	409.74	366.43	328.75	296.71	269.53	246.76	228.07	212.76	200.25	189.73
8.30	DISCHG	180.17	170.78	161.11	151.16	141.20	131.61	122.53	114.24	106.87	100.32
9.13	DISCHG	94.65	89.87	85.85	82.55	79.91	77.89	76.43	75.30	74.36	73.60
9.96	DISCHG	72.98	72.41	71.76	70.89	69.65	67.93	65.67	62.96	59.98	56.91
10.79	DISCHG	53.89	51.04	48.45	46.29	44.86	44.39	45.03	47.00	50.35	54.71
11.62	DISCHG	59.47	63.98	67.73	70.12	70.85	70.09	68.21	65.69	63.07	60.89
12.45	DISCHG	59.45	58.80	58.78	59.11	59.44	59.40	58.76	57.51	55.74	53.62
13.28	DISCHG	51.33	49.06	46.94	45.04	43.43	42.14	41.09	40.24	39.53	38.94
14.11	DISCHG	38.49	38.18	38.03	38.04	38.21	38.53	38.95	39.43	39.93	40.42
14.94	DISCHG	40.89	41.31	41.68	41.99	42.24	42.44	42.62	42.77	42.93	43.13

15.77	DISCHG	43.39	43.75	44.22	44.78	45.34	45.82	46.13	46.20	45.97	45.47
16.60	DISCHG	44.75	43.88	42.94	42.01	41.13	40.33	39.65	39.10	38.66	38.30
17.43	DISCHG	38.00	37.75	37.55	37.38	37.24	37.13	37.03	36.96	36.90	36.85
18.26	DISCHG	36.81	36.78	36.76	36.74	36.73	36.72	36.72	36.71	36.71	36.71
19.09	DISCHG	36.71	36.72	36.72	36.72	36.73	36.74	36.75	36.76	36.77	36.78
19.92	DISCHG	36.79	36.79	36.74	36.58	36.27	35.76	35.01	34.02	32.84	31.53
20.75	DISCHG	30.13	28.66	27.17	25.67	24.25	23.00	21.96	21.13	20.56	20.23
21.58	DISCHG	20.07	20.03	20.03	20.00	19.86	19.61	19.28	18.92	18.58	18.34
22.41	DISCHG	18.24	18.29	18.46	18.69	18.92	19.08	19.12	19.01	18.78	18.51
23.24	DISCHG	18.24	18.05	17.99	18.09	18.30	18.57	18.84	19.04	19.10	19.00
24.07	DISCHG	18.72	18.24	17.54	16.63	15.49	14.13	12.65	11.13	9.65	8.23

RUNOFF VOLUME ABOVE BASEFLOW = 2.18 WATERSHED INCHES, 2229.32 CFS-HRS, 184.23 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 42
OUTPUT HYDROGRAPH= 6
AREA= 0.91 SQ MI INPUT RUNOFF CURVE= 76. TIME OF CONCENTRATION= 0.93 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0886 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.45	769.23	(RUNOFF)
11.85	42.34	(RUNOFF)
12.77	33.91	(RUNOFF)
16.25	26.42	(RUNOFF)
19.94	20.78	(RUNOFF)
21.76	11.22	(RUNOFF)
23.81	10.96	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 0.91 SQ.MI.

4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	5.24	20.11
5.81	DISCHG	53.29	114.25	208.78	331.82	468.26	598.49	700.84	758.11	768.06	738.96
6.64	DISCHG	680.61	606.19	527.20	451.76	387.92	336.84	294.94	259.57	229.00	202.34
7.47	DISCHG	179.50	160.07	143.64	130.02	119.06	110.62	104.38	99.73	95.84	92.19
8.30	DISCHG	88.24	83.70	78.61	73.20	67.71	62.44	57.67	53.59	50.36	47.97
9.13	DISCHG	46.22	44.83	43.72	42.83	42.13	41.57	41.14	40.79	40.52	40.31
9.96	DISCHG	40.15	39.96	39.65	39.09	38.18	36.83	35.10	33.15	31.15	29.23
10.79	DISCHG	27.49	25.97	24.74	23.91	23.61	23.99	25.24	27.47	30.52	33.99
11.62	DISCHG	37.35	40.12	41.88	42.31	41.32	39.41	37.16	35.01	33.34	32.36
12.45	DISCHG	32.15	32.53	33.16	33.70	33.91	33.58	32.71	31.42	29.90	28.34
13.28	DISCHG	26.87	25.57	24.50	23.66	23.00	22.48	22.05	21.71	21.43	21.21
14.11	DISCHG	21.07	21.01	21.05	21.21	21.48	21.82	22.20	22.57	22.91	23.21
14.94	DISCHG	23.47	23.67	23.83	23.95	24.06	24.15	24.22	24.29	24.38	24.50
15.77	DISCHG	24.69	24.97	25.35	25.75	26.10	26.35	26.42	26.27	25.89	25.35
16.60	DISCHG	24.73	24.08	23.45	22.90	22.43	22.05	21.77	21.54	21.36	21.21
17.43	DISCHG	21.10	21.01	20.93	20.87	20.83	20.79	20.77	20.75	20.73	20.72
18.26	DISCHG	20.71	20.71	20.70	20.70	20.70	20.70	20.70	20.71	20.71	20.72
19.09	DISCHG	20.72	20.73	20.73	20.74	20.75	20.75	20.76	20.77	20.77	20.78
19.92	DISCHG	20.78	20.78	20.73	20.58	20.30	19.84	19.20	18.43	17.59	16.70
20.75	DISCHG	15.79	14.88	13.99	13.15	12.40	11.78	11.31	11.01	10.90	10.93

21.58	DISCHG	11.03	11.15	11.22	11.19	11.05	10.82	10.55	10.29	10.11	10.04
22.41	DISCHG	10.10	10.29	10.53	10.75	10.91	10.95	10.86	10.67	10.43	10.21
23.24	DISCHG	10.04	9.99	10.06	10.25	10.49	10.73	10.91	10.96	10.88	10.69
24.07	DISCHG	10.39	9.97	9.42	8.71	7.85	6.90	5.93	4.98	4.10	3.31

RUNOFF VOLUME ABOVE BASEFLOW = 2.10 WATERSHED INCHES, 1236.97 CFS-HRS, 102.22 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 43
OUTPUT HYDROGRAPH= 6
AREA= 1.24 SQ MI INPUT RUNOFF CURVE= 81. TIME OF CONCENTRATION= 0.68 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0907 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.26	1670.35	(RUNOFF)
11.70	71.51	(RUNOFF)
12.67	53.10	(RUNOFF)
16.13	40.55	(RUNOFF)
19.89	30.96	(RUNOFF)
21.67	16.98	(RUNOFF)
22.68	16.88	(RUNOFF)
23.68	16.89	(RUNOFF)

TIME(HRS) FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 1.24 SQ.MI.

4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.47	7.57	37.79	117.30
5.81	DISCHG	277.19	532.13	871.61	1221.33	1509.50	1656.95	1641.63	1500.84	1293.10	1067.79
6.64	DISCHG	861.17	698.44	575.95	481.12	406.24	347.49	300.75	262.67	230.85	203.86
7.47	DISCHG	181.19	162.80	148.77	139.07	133.00	129.64	127.88	126.47	124.28	120.09
8.30	DISCHG	113.38	104.85	95.79	87.27	80.01	74.48	70.50	67.65	65.53	63.96
9.13	DISCHG	62.80	61.95	61.34	60.90	60.57	60.34	60.18	60.06	59.98	59.92
9.96	DISCHG	59.89	59.63	58.80	56.96	54.01	50.28	46.32	42.57	39.35	36.87
10.79	DISCHG	35.07	33.79	32.83	32.58	33.66	36.88	42.46	49.73	57.55	64.66
11.62	DISCHG	69.72	71.50	69.35	64.17	57.98	52.03	47.36	44.88	44.68	46.16
12.45	DISCHG	48.50	50.92	52.66	53.00	51.49	48.59	45.24	41.94	39.03	36.74
13.28	DISCHG	35.07	33.86	32.95	32.27	31.78	31.42	31.17	30.99	30.86	30.80
14.11	DISCHG	30.87	31.14	31.66	32.37	33.15	33.92	34.60	35.14	35.53	35.82
14.94	DISCHG	36.04	36.21	36.33	36.43	36.51	36.56	36.61	36.67	36.81	37.11
15.77	DISCHG	37.70	38.49	39.33	40.07	40.52	40.45	39.79	38.63	37.23	35.82
16.60	DISCHG	34.54	33.52	32.80	32.27	31.88	31.59	31.37	31.22	31.10	31.01
17.43	DISCHG	30.95	30.91	30.88	30.86	30.84	30.83	30.82	30.82	30.82	30.82
18.26	DISCHG	30.83	30.84	30.84	30.85	30.86	30.86	30.87	30.87	30.88	30.89
19.09	DISCHG	30.89	30.90	30.90	30.91	30.92	30.92	30.93	30.93	30.94	30.95
19.92	DISCHG	30.95	30.91	30.70	30.17	29.18	27.77	26.14	24.51	22.96	21.54
20.75	DISCHG	20.18	18.82	17.54	16.40	15.51	14.99	14.89	15.17	15.67	16.25
21.58	DISCHG	16.74	16.97	16.81	16.34	15.70	15.05	14.51	14.24	14.33	14.74
22.41	DISCHG	15.36	16.02	16.58	16.87	16.76	16.33	15.72	15.08	14.54	14.26
23.24	DISCHG	14.33	14.73	15.34	16.01	16.58	16.88	16.79	16.37	15.77	15.08
24.07	DISCHG	14.28	13.29	12.00	10.36	8.51	6.69	5.06	3.74	2.76	2.05

RUNOFF VOLUME ABOVE BASEFLOW = 2.54 WATERSHED INCHES, 2036.16 CFS-HRS, 168.27 ACRE-FEET; BASEFLOW = 0.00 CFS

OPERATION RUNOFF STRUCTURE 44
OUTPUT HYDROGRAPH= 6
AREA= 1.94 SQ MI INPUT RUNOFF CURVE= 81. TIME OF CONCENTRATION= 1.22 HOURS
INTERNAL HYDROGRAPH TIME INCREMENT= 0.0813 HOURS

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
6.64	1681.99	(RUNOFF)
12.03	90.75	(RUNOFF)
16.38	60.47	(RUNOFF)
19.97	48.40	(RUNOFF)
22.92	24.98	(RUNOFF)
23.94	24.83	(RUNOFF)

FIRST HYDROGRAPH POINT = 0.00 HOURS TIME INCREMENT = 0.08 HOURS DRAINAGE AREA = 1.94 SQ.MI.

TIME(HRS)											
4.98	DISCHG	0.00	0.00	0.00	0.00	0.00	0.00	0.10	1.96	11.19	36.39
5.81	DISCHG	87.14	174.83	310.98	497.48	721.90	965.97	1206.66	1416.25	1569.41	1656.35
6.64	DISCHG	1681.99	1655.75	1586.43	1481.29	1354.81	1217.93	1079.57	951.63	844.01	754.46
7.47	DISCHG	676.38	607.68	547.03	493.06	445.98	406.24	372.66	343.92	319.39	298.24
8.30	DISCHG	279.81	263.15	247.54	232.27	217.40	203.06	189.35	176.43	164.68	154.14
9.13	DISCHG	144.85	136.78	130.04	124.37	119.38	114.91	110.94	107.47	104.56	102.22
9.96	DISCHG	100.46	99.16	98.00	96.68	95.11	93.12	90.58	87.50	84.01	80.29
10.79	DISCHG	76.51	72.79	69.27	66.14	63.68	62.16	61.85	62.97	65.67	69.75
11.62	DISCHG	74.62	79.67	84.29	87.98	90.18	90.75	90.02	88.34	86.04	83.56
12.45	DISCHG	81.51	80.12	79.27	78.84	78.72	78.61	78.11	77.02	75.41	73.34
13.28	DISCHG	70.90	68.25	65.58	63.03	60.66	58.56	56.81	55.38	54.20	53.22
14.11	DISCHG	52.43	51.81	51.38	51.14	51.11	51.28	51.61	52.05	52.55	53.10
14.94	DISCHG	53.63	54.15	54.62	55.05	55.41	55.71	55.97	56.20	56.44	56.70
15.77	DISCHG	57.01	57.41	57.90	58.51	59.14	59.73	60.19	60.44	60.42	60.07
16.60	DISCHG	59.45	58.62	57.65	56.59	55.52	54.48	53.52	52.67	51.94	51.35
17.43	DISCHG	50.86	50.45	50.11	49.82	49.57	49.36	49.18	49.03	48.91	48.81
18.26	DISCHG	48.72	48.65	48.59	48.54	48.50	48.47	48.44	48.42	48.41	48.40
19.09	DISCHG	48.39	48.38	48.38	48.38	48.38	48.38	48.38	48.38	48.38	48.39
19.92	DISCHG	48.40	48.40	48.36	48.21	47.92	47.44	46.72	45.71	44.44	42.98
20.75	DISCHG	41.36	39.65	37.85	36.00	34.17	32.45	30.92	29.65	28.65	27.93
21.58	DISCHG	27.44	27.11	26.88	26.71	26.51	26.22	25.87	25.47	25.08	24.73
22.41	DISCHG	24.49	24.40	24.44	24.56	24.73	24.89	24.98	24.94	24.78	24.56
23.24	DISCHG	24.31	24.08	23.93	23.92	24.04	24.23	24.46	24.68	24.82	24.81
24.07	DISCHG	24.63	24.23	23.59	22.69	21.52	20.06	18.39	16.59	14.76	12.97

RUNOFF VOLUME ABOVE BASEFLOW = 2.54 WATERSHED INCHES, 3184.65 CFS-HRS, 263.18 ACRE-FEET, BASEFLOW = 0.00 CFS

EXECUTIVE CONTROL OPERATION ENDCMP COMPUTATIONS COMPLETED FOR PASS 2 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													
STRUCTURE 1	RUNOFF	54.24	7	2	0.08	0.0	2.70	24.00	0.96	---	9.33	5236.11	96.5
STRUCTURE 2	RUNOFF	52.96	7	2	0.08	0.0	2.70	24.00	0.96	---	9.02	5520.31	104.2
STRUCTURE 3	RUNOFF	51.77	7	2	0.08	0.0	2.70	24.00	0.96	---	8.74	5772.64	111.5
STRUCTURE 4	RUNOFF	27.41	7	2	0.08	0.0	2.70	24.00	0.87	---	8.76	2714.18	99.0
STRUCTURE 5	RUNOFF	23.68	7	2	0.08	0.0	2.70	24.00	1.07	---	7.60	4424.28	186.8
STRUCTURE 6	RUNOFF	18.26	7	2	0.08	0.0	2.70	24.00	1.03	---	7.55	3321.49	181.8
STRUCTURE 7	RUNOFF	17.98	7	2	0.08	0.0	2.70	24.00	1.02	---	7.50	3328.46	185.1
STRUCTURE 8	RUNOFF	17.13	7	2	0.08	0.0	2.70	24.00	1.00	---	7.41	3221.37	188.1
STRUCTURE 9	RUNOFF	16.84	7	2	0.08	0.0	2.70	24.00	1.01	---	7.37	3266.60	193.9
STRUCTURE 10	RUNOFF	16.28	7	2	0.08	0.0	2.70	24.00	1.00	---	7.31	3210.47	197.2
STRUCTURE 11	RUNOFF	13.90	7	2	0.08	0.0	2.70	24.00	0.94	---	7.21	2685.63	193.2
STRUCTURE 12	RUNOFF	13.41	7	2	0.08	0.0	2.70	24.00	0.93	---	7.19	2590.43	193.2
STRUCTURE 13	RUNOFF	13.28	7	2	0.08	0.0	2.70	24.00	0.93	---	7.16	2609.86	196.5
STRUCTURE 14	RUNOFF	12.75	7	2	0.08	0.0	2.70	24.00	0.90	---	7.14	2457.47	192.8
STRUCTURE 15	RUNOFF	9.71	7	2	0.08	0.0	2.70	24.00	0.80	---	7.02	1735.79	178.7
STRUCTURE 16	RUNOFF	6.47	7	2	0.08	0.0	2.70	24.00	0.78	---	6.90	1217.11	188.1
STRUCTURE 17	RUNOFF	4.98	7	2	0.08	0.0	2.70	24.00	0.76	---	6.75	1022.99	205.5
STRUCTURE 18	RUNOFF	2.85	7	2	0.08	0.0	2.70	24.00	0.61	---	6.51	565.61	198.2
STRUCTURE 19	RUNOFF	5.37	7	2	0.08	0.0	2.70	24.00	1.25	---	7.06	1595.36	297.1
STRUCTURE 20	RUNOFF	2.15	7	2	0.08	0.0	2.70	24.00	1.15	---	6.31	1201.93	558.5
STRUCTURE 21	RUNOFF	1.69	7	2	0.08	0.0	2.70	24.00	0.75	---	6.40	488.42	289.0
STRUCTURE 22	RUNOFF	0.50	7	2	0.08	0.0	2.70	24.00	0.70	---	6.12	240.63	484.2
STRUCTURE 23	RUNOFF	24.36	7	2	0.08	0.0	2.70	24.00	1.08	---	8.19	3654.06	150.0
STRUCTURE 24	RUNOFF	26.43	7	2	0.08	0.0	2.70	24.00	0.90	---	8.53	2893.85	109.5
STRUCTURE 25	RUNOFF	24.49	7	2	0.08	0.0	2.70	24.00	0.84	---	8.54	2477.79	101.2
STRUCTURE 26	RUNOFF	23.18	7	2	0.08	0.0	2.70	24.00	0.84	---	8.11	2672.54	115.3
STRUCTURE 27	RUNOFF	20.05	7	2	0.08	0.0	2.70	24.00	0.84	---	7.77	2598.66	129.6
STRUCTURE 28	RUNOFF	13.13	7	2	0.08	0.0	2.70	24.00	0.83	---	7.77	1688.94	128.6
STRUCTURE 29	RUNOFF	10.72	7	2	0.08	0.0	2.70	24.00	0.80	---	7.27	1661.03	155.0
STRUCTURE 30	RUNOFF	4.73	7	2	0.08	0.0	2.70	24.00	0.78	---	6.94	866.73	183.2
STRUCTURE 31	RUNOFF	1.69	7	2	0.08	0.0	2.70	24.00	0.82	---	6.49	491.37	290.9
STRUCTURE 32	RUNOFF	0.78	7	2	0.08	0.0	2.70	24.00	0.84	---	6.40	262.18	337.0

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)
ALIERNAIE____1___SIOBM____1													
STRUCTURE 33	RUNOFF	1.49	7	2	0.08	0.0	2.70	24.00	0.76	---	6.66	332.15	222.8
STRUCTURE 34	RUNOFF	6.31	7	2	0.08	0.0	2.70	24.00	0.85	---	7.66	872.40	138.2
STRUCTURE 35	RUNOFF	5.46	7	2	0.08	0.0	2.70	24.00	0.81	---	7.11	936.41	171.4
STRUCTURE 36	RUNOFF	2.15	7	2	0.08	0.0	2.70	24.00	0.72	---	6.78	401.23	186.9
STRUCTURE 37	RUNOFF	5.99	7	2	0.08	0.0	2.70	24.00	0.82	---	7.27	949.68	158.7
STRUCTURE 38	RUNOFF	5.45	7	2	0.08	0.0	2.70	24.00	0.81	---	6.85	1105.08	202.8
STRUCTURE 39	RUNOFF	3.96	7	2	0.08	0.0	2.70	24.00	0.82	---	6.85	829.74	209.3
STRUCTURE 40	RUNOFF	1.49	7	2	0.08	0.0	2.70	24.00	0.76	---	6.74	309.29	208.3
STRUCTURE 41	RUNOFF	1.58	7	2	0.08	0.0	2.70	24.00	0.85	---	6.61	424.49	268.2
STRUCTURE 42	RUNOFF	0.91	7	2	0.08	0.0	2.70	24.00	0.80	---	6.50	256.71	281.8
STRUCTURE 43	RUNOFF	1.24	7	2	0.08	0.0	2.70	24.00	1.08	---	6.29	652.88	526.0
STRUCTURE 44	RUNOFF	1.94	7	2	0.08	0.0	2.70	24.00	1.08	---	6.68	652.82	336.3
STRUCTURE 1	RUNOFF	54.24	7	2	0.08	0.0	4.50	24.00	2.33	---	9.24	13703.48	252.6
STRUCTURE 2	RUNOFF	52.96	7	2	0.08	0.0	4.50	24.00	2.34	---	8.93	14486.80	273.6
STRUCTURE 3	RUNOFF	51.77	7	2	0.08	0.0	4.50	24.00	2.34	---	8.65	15226.81	294.1
STRUCTURE 4	RUNOFF	27.41	7	2	0.08	0.0	4.50	24.00	2.20	---	8.67	7485.06	273.1
STRUCTURE 5	RUNOFF	23.68	7	2	0.08	0.0	4.50	24.00	2.52	---	7.54	11288.60	476.7
STRUCTURE 6	RUNOFF	18.26	7	2	0.08	0.0	4.50	24.00	2.46	---	7.49	8653.67	473.8
STRUCTURE 7	RUNOFF	17.98	7	2	0.08	0.0	4.50	24.00	2.45	---	7.44	8699.90	483.8
STRUCTURE 8	RUNOFF	17.13	7	2	0.08	0.0	4.50	24.00	2.42	---	7.35	8517.86	497.3
STRUCTURE 9	RUNOFF	16.84	7	2	0.08	0.0	4.50	24.00	2.43	---	7.31	8620.17	511.8
STRUCTURE 10	RUNOFF	16.28	7	2	0.08	0.0	4.50	24.00	2.41	---	7.25	8523.69	523.6
STRUCTURE 11	RUNOFF	13.90	7	2	0.08	0.0	4.50	24.00	2.32	---	7.16	7355.62	529.2
STRUCTURE 12	RUNOFF	13.41	7	2	0.08	0.0	4.50	24.00	2.30	---	7.13	7136.52	532.1
STRUCTURE 13	RUNOFF	13.28	7	2	0.08	0.0	4.50	24.00	2.30	---	7.10	7192.06	541.6
STRUCTURE 14	RUNOFF	12.75	7	2	0.08	0.0	4.50	24.00	2.26	---	7.08	6870.67	539.0
STRUCTURE 15	RUNOFF	9.71	7	2	0.08	0.0	4.50	24.00	2.10	---	6.96	5177.17	533.1
STRUCTURE 16	RUNOFF	6.47	7	2	0.08	0.0	4.50	24.00	2.06	---	6.84	3699.23	571.8
STRUCTURE 17	RUNOFF	4.98	7	2	0.08	0.0	4.50	24.00	2.04	---	6.70	3145.55	632.0
STRUCTURE 18	RUNOFF	2.85	7	2	0.08	0.0	4.50	24.00	1.78	---	6.45	1972.13	691.0
STRUCTURE 19	RUNOFF	5.37	7	2	0.08	0.0	4.50	24.00	2.78	---	7.01	3830.95	713.5
STRUCTURE 20	RUNOFF	2.15	7	2	0.08	0.0	4.50	24.00	2.65	---	6.28	2979.22	1384.4
STRUCTURE 21	RUNOFF	1.69	7	2	0.08	0.0	4.50	24.00	2.02	---	6.36	1516.35	897.2
STRUCTURE 22	RUNOFF	0.50	7	2	0.08	0.0	4.50	24.00	1.94	---	6.09	729.29	1467.4
STRUCTURE 23	RUNOFF	24.36	7	2	0.08	0.0	4.50	24.00	2.53	---	8.12	9217.65	378.4
STRUCTURE 24	RUNOFF	26.43	7	2	0.08	0.0	4.50	24.00	2.25	---	8.44	7893.87	298.6

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)
ALIEBNAIE____1___SIOBM____1													
STRUCTURE 25	RUNOFF	24.49	7	2	0.08	0.0	4.50	24.00	2.16	---	8.45	6963.90	284.3
STRUCTURE 26	RUNOFF	23.18	7	2	0.08	0.0	4.50	24.00	2.16	---	8.03	7574.92	326.8
STRUCTURE 27	RUNOFF	20.05	7	2	0.08	0.0	4.50	24.00	2.15	---	7.69	7446.90	371.3
STRUCTURE 28	RUNOFF	13.13	7	2	0.08	0.0	4.50	24.00	2.14	---	7.69	4853.94	369.6
STRUCTURE 29	RUNOFF	10.72	7	2	0.08	0.0	4.50	24.00	2.10	---	7.20	4915.64	458.8
STRUCTURE 30	RUNOFF	4.73	7	2	0.08	0.0	4.50	24.00	2.06	---	6.88	2622.47	554.4
STRUCTURE 31	RUNOFF	1.69	7	2	0.08	0.0	4.50	24.00	2.14	---	6.45	1453.72	860.7
STRUCTURE 32	RUNOFF	0.78	7	2	0.08	0.0	4.50	24.00	2.17	---	6.35	764.85	983.1
STRUCTURE 33	RUNOFF	1.49	7	2	0.08	0.0	4.50	24.00	2.04	---	6.61	1022.40	685.9
STRUCTURE 34	RUNOFF	6.31	7	2	0.08	0.0	4.50	24.00	2.18	---	7.59	2482.51	393.3
STRUCTURE 35	RUNOFF	5.46	7	2	0.08	0.0	4.50	24.00	2.11	---	7.04	2771.49	507.3
STRUCTURE 36	RUNOFF	2.15	7	2	0.08	0.0	4.50	24.00	1.96	---	6.72	1275.98	594.3
STRUCTURE 37	RUNOFF	5.99	7	2	0.08	0.0	4.50	24.00	2.12	---	7.20	2785.11	465.3
STRUCTURE 38	RUNOFF	5.45	7	2	0.08	0.0	4.50	24.00	2.11	---	6.80	3296.18	604.8
STRUCTURE 39	RUNOFF	3.96	7	2	0.08	0.0	4.50	24.00	2.14	---	6.80	2444.49	616.5
STRUCTURE 40	RUNOFF	1.49	7	2	0.08	0.0	4.50	24.00	2.04	---	6.68	952.41	641.4
STRUCTURE 41	RUNOFF	1.58	7	2	0.08	0.0	4.50	24.00	2.18	---	6.57	1235.81	780.7
STRUCTURE 42	RUNOFF	0.91	7	2	0.08	0.0	4.50	24.00	2.10	---	6.45	769.23	844.4
STRUCTURE 43	RUNOFF	1.24	7	2	0.08	0.0	4.50	24.00	2.54	---	6.26	1670.35	[illegible]
STRUCTURE 44	RUNOFF	1.94	7	2	0.08	0.0	4.50	24.00	2.54	---	6.64	[illegible]	

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

XSECTION/ STRUCTURE ID		DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 1
_SIBUCIUBE__44		1.24	
ALTERNATE	1		1681.99
_SIBUCIUBE__43		1.24	
ALTERNATE	1		1670.35
_SIBUCIUBE__42		0.21	
ALTERNATE	1		769.23
_SIBUCIUBE__41		1.58	
ALTERNATE	1		1235.81
_SIBUCIUBE__40		1.42	
ALTERNATE	1		952.41
_SIBUCIUBE__39		3.26	
ALTERNATE	1		2444.49
_SIBUCIUBE__38		5.45	
ALTERNATE	1		3296.18
_SIBUCIUBE__37		5.22	
ALTERNATE	1		2785.11
_SIBUCIUBE__36		2.15	
ALTERNATE	1		1275.98
_SIBUCIUBE__35		5.46	
ALTERNATE	1		2771.49
_SIBUCIUBE__34		6.31	
ALTERNATE	1		2482.51
_SIBUCIUBE__33		1.42	
ALTERNATE	1		1022.40
_SIBUCIUBE__32		0.28	
ALTERNATE	1		764.85
_SIBUCIUBE__31		1.62	
ALTERNATE	1		1453.72

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

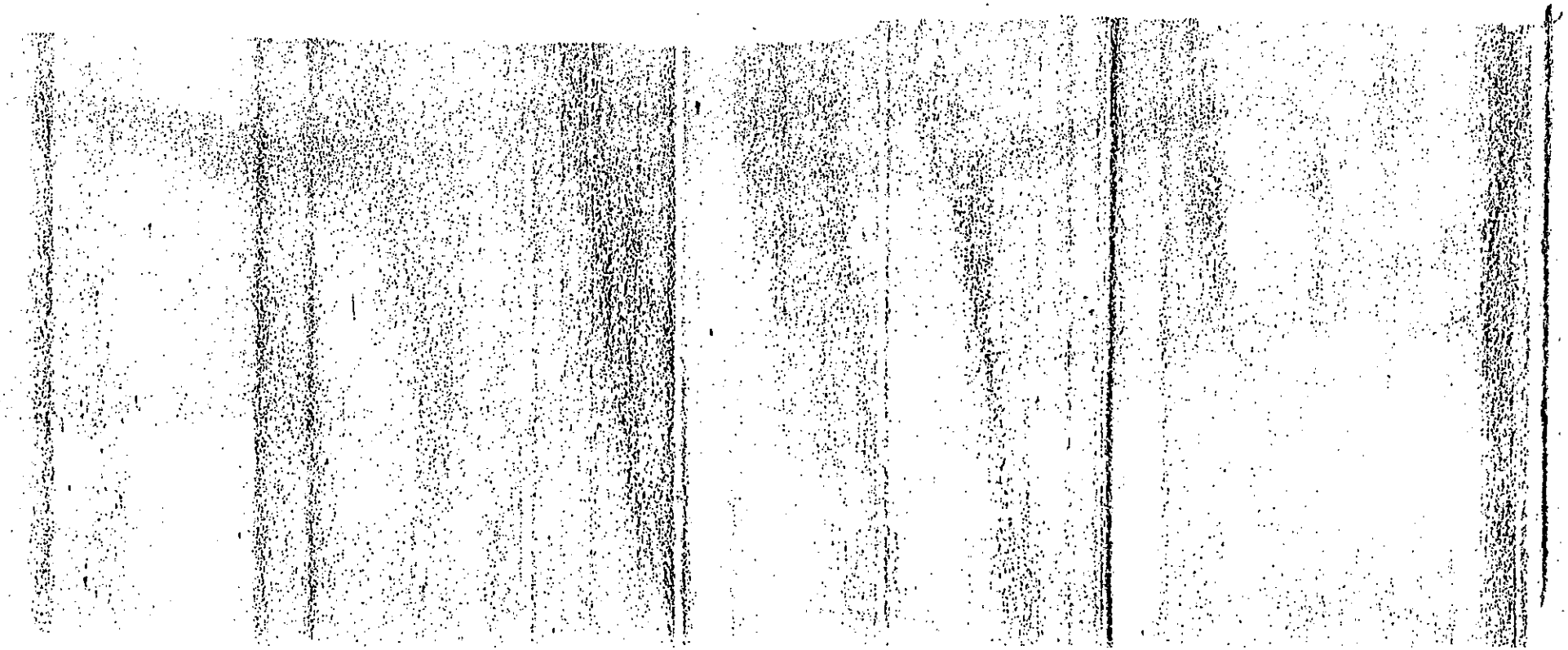
XSECTION/ STRUCTURE ID		DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 1
_SIBUCIUBE__30		4.23	
ALTERNATE	1		2622.47
_SIBUCIUBE__29		10.22	
ALTERNATE	1		4915.64
_SIBUCIUBE__28		13.13	
ALTERNATE	1		4853.94
_SIBUCIUBE__27		20.05	
ALTERNATE	1		7446.90
_SIBUCIUBE__26		23.18	
ALTERNATE	1		7574.92
_SIBUCIUBE__25		24.49	
ALTERNATE	1		6963.90
_SIBUCIUBE__24		24.43	
ALTERNATE	1		7893.87
_SIBUCIUBE__23		24.34	
ALTERNATE	1		9217.65
_SIBUCIUBE__22		0.50	
ALTERNATE	1		729.29
_SIBUCIUBE__21		1.62	
ALTERNATE	1		1516.35
_SIBUCIUBE__20		2.15	
ALTERNATE	1		2979.22
_SIBUCIUBE__19		5.32	
ALTERNATE	1		3830.95
_SIBUCIUBE__18		2.85	
ALTERNATE	1		1972.13
_SIBUCIUBE__17		4.28	
ALTERNATE	1		3145.55

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

XSECTION/ STRUCTURE ID	DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 1
_STRUCTURE__16	6.42	
ALTERNATE 1		3699.23
_STRUCTURE__15	9.21	
ALTERNATE 1		5177.17
_STRUCTURE__14	12.25	
ALTERNATE 1		6870.67
_STRUCTURE__13	13.28	
ALTERNATE 1		7192.06
_STRUCTURE__12	13.41	
ALTERNATE 1		7136.52
_STRUCTURE__11	13.90	
ALTERNATE 1		7355.62
_STRUCTURE__10	16.28	
ALTERNATE 1		8523.69
_STRUCTURE___9	16.84	
ALTERNATE 1		8620.17
_STRUCTURE___8	17.13	
ALTERNATE 1		8517.86
_STRUCTURE___2	17.98	
ALTERNATE 1		8699.90
_STRUCTURE___6	18.26	
ALTERNATE 1		8653.67
_STRUCTURE___5	23.68	
ALTERNATE 1		11288.60
_STRUCTURE___4	27.41	
ALTERNATE 1		7485.06
_STRUCTURE___3	51.22	
ALTERNATE 1		15226.81

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

XSECTION/ STRUCTURE ID		DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 1
_STRUCTURE___2_____		52.96	
ALTERNATE	1		14486.80
_STRUCTURE___1_____		54.24	
ALTERNATE	1		13703.48



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**********************************************************
*  WATER SURFACE PROFILES                                *
*  VERSION OF NOVEMBER 1976                              *
*  UPDATED MAY 1984                                      *
*                                                        *
*  RUN DATE 16-OCT-84  TIME 13:44:16                     *
**********************************************************
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*****************************************
*  U.S. ARMY CORPS OF ENGINEERS         *
*  THE HYDROLOGIC ENGINEERING CENTER    *
*  609 SECOND STREET, SUITE D           *
*  DAVIS, CALIFORNIA 95616              *
*  (916) 440-2105 (FTS) 448-2105        *
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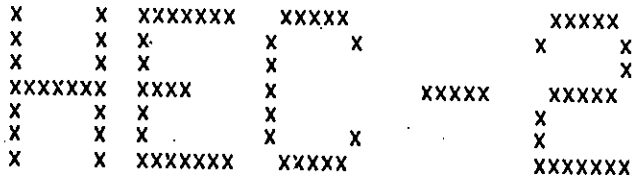

THIS RUN EXECUTED 16-OCT-84 13:44:16

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY   1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55
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T1 SAND CREEK - CENTER TRIBUTARY
T2 EL PASO COUNTY COLORADO
T3 100 - YEAR DEVELOPED FLOOD

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	2.	0.	0.	0.000000	0.00	0.0	0.	6095.000	0.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	-1.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

38.000	1.000	8.000	43.000	13.000	15.000	53.000	54.000	4.000	0.000

NC	0.035	0.035	0.025	0.100	0.300	0.000	0.000	0.000	0.000	0.000
QT	1.000	7895.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	4.000	37.000	1943.000	2077.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	6108.800	1000.000	6108.200	1088.000	6107.500	1203.000	6107.500	1302.000	6106.700	1371.000
GR	6104.700	1441.000	6103.300	1464.000	6101.600	1481.000	6101.400	1544.000	6100.500	1626.000
GR	6102.300	1637.000	6103.200	1660.000	6104.700	1693.000	6106.300	1706.000	6103.000	1717.000
GR	6100.800	1762.000	6100.000	1796.000	6102.700	1809.000	6099.900	1819.000	6097.900	1836.000
GR	6098.300	1880.000	6098.000	1935.000	6098.500	1943.000	6089.800	1965.000	6090.300	2039.000
GR	6103.100	2077.000	6101.500	2186.000	6101.100	2281.000	6100.400	2391.000	6098.100	2560.000
GR	6098.700	2669.000	6099.800	2735.000	6100.900	2770.000	6102.100	2824.000	6099.400	2878.000
GR	6103.400	2904.000	6104.400	3000.000	0.000	0.000	0.000	0.000	0.000	0.000
QT	1.000	1710.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	201.000	23.000	2020.000	2060.000	850.000	950.000	950.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	0.000	0.000	2100.000	6110.000	0.000	0.000	0.000
GR	6131.200	1000.000	6130.000	1064.000	6128.100	1158.000	6125.900	1257.000	6125.000	1330.000
GR	6124.000	1411.000	6121.900	1529.000	6119.400	1620.000	6115.600	1742.000	6113.500	1818.000
GR	6111.400	1917.000	6110.600	1985.000	6110.000	2020.000	6104.200	2020.000	6104.000	2060.000
GR	6109.500	2060.000	6108.600	2164.000	6107.300	2289.000	6105.900	2411.000	6104.900	2561.000
GR	6104.200	2704.000	6103.000	2835.000	6102.100	3000.000	0.000	0.000	0.000	0.000
SB	1.050	1.250	2.600	0.000	40.000	2.000	178.000	0.000	6105.000	6104.800
X1	201.100	0.000	0.000	0.000	40.000	40.000	40.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	6108.000	6110.100	0.000	0.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	0.000	0.000	2100.000	6110.000	0.000	0.000	0.000
BT	8.000	1917.000	6111.400	6111.400	1985.000	6110.600	6110.600	2020.000	6110.000	6110.000
BT	2020.000	6110.000	6104.200	2060.000	6110.000	6104.200	2060.000	6109.500	6109.500	2164.000
BT	6180.600	6108.600	2289.000	6107.300	6107.300	0.000	0.000	0.000	0.000	0.000

NC	0.035	0.035	0.025	0.100	0.300	0.000	0.000	0.000	0.000	0.000
X1	202.000	30.000	1976.000	2028.000	1050.000	1230.000	1100.000	0.000	0.000	0.000
GR	6148.000	1000.000	6145.600	1072.000	6141.200	1163.000	6137.600	1237.000	6134.000	1307.000
GR	6129.500	1393.000	6129.900	1464.000	6130.300	1565.000	6129.500	1696.000	6127.800	1795.000
GR	6125.100	1868.000	6123.200	1927.000	6121.900	1976.000	6119.200	1985.000	6119.400	2018.000
GR	6122.100	2028.000	6122.300	2091.000	6126.000	2134.000	6132.300	2202.000	6132.000	2261.000
GR	6131.800	2319.000	6131.100	2410.000	6129.900	2489.000	6130.400	2551.000	6131.700	2642.000
GR	6131.800	2715.000	6131.900	2758.000	6127.000	2833.000	6125.400	2911.000	6124.700	3000.000
X1	203.000	35.000	1954.000	2117.000	1400.000	1180.000	1390.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	0.000	0.000	2250.000	0.000	0.000	0.000	0.000
GR	6177.200	1000.000	6178.600	1063.000	6177.600	1135.000	6173.700	1231.000	6168.300	1324.000
GR	6163.600	1408.000	6161.200	1448.000	6157.400	1486.000	6156.000	1517.000	6151.000	1598.000
GR	6145.000	1706.000	6144.500	1748.000	6142.100	1792.000	6142.100	1818.000	6146.400	1860.000
GR	6149.400	1892.000	6148.600	1902.000	6142.900	1954.000	6140.900	1984.000	6140.000	2017.000
GR	6140.900	2052.000	6142.500	2117.000	6142.000	2207.000	6142.300	2293.000	6142.500	2370.000
GR	6141.100	2389.000	6142.200	2406.000	6141.300	2421.000	6143.800	2481.000	6144.500	2555.000
GR	6144.400	2639.000	6144.000	2735.000	6143.700	2842.000	6143.500	2933.000	6144.500	3000.000
NC	0.035	0.025	0.025	0.100	0.300	0.000	0.000	0.000	0.000	0.000
X1	204.000	25.000	1640.000	1683.000	1010.000	1400.000	1060.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	0.000	0.000	1730.000	6152.500	0.000	0.000	0.000
GR	6188.100	1000.000	6188.800	1012.000	6187.000	1056.000	6184.700	1090.000	6181.900	1140.000
GR	6179.400	1194.000	6177.700	1245.000	6175.000	1285.000	6170.000	1368.000	6170.800	1394.000
GR	6167.000	1411.000	6166.400	1424.000	6167.000	1439.000	6166.100	1460.000	6160.900	1508.000
GR	6158.200	1543.000	6155.300	1595.000	6151.600	1640.000	6151.300	1656.000	6151.800	1688.000
GR	6152.500	1730.000	6153.000	1900.000	6153.000	2050.000	6154.000	2140.000	6156.000	2200.000
NC	0.035	0.035	0.025	0.100	0.300	0.000	0.000	0.000	0.000	0.000
X1	205.000	23.000	1967.000	2023.000	750.000	780.000	750.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	0.000	0.000	2023.000	6163.800	0.000	0.000	0.000
GR	6218.000	1000.000	6216.600	1057.000	6212.200	1148.000	6205.900	1242.000	6188.700	1537.000
GR	6175.000	1655.000	6169.500	1754.000	6167.700	1821.000	6167.000	1889.000	6167.300	1920.000
GR	6165.100	1933.000	6165.900	1943.000	6166.000	1954.000	6165.200	1967.000	6164.500	2004.000
GR	6160.600	2010.000	6160.600	2016.000	6163.800	2023.000	6162.300	2046.000	6161.900	2076.000
GR	6161.900	2129.000	6162.300	2200.000	6165.200	2268.000	0.000	0.000	0.000	0.000
NC	0.016	0.016	0.016	0.100	0.300	0.000	0.000	0.000	0.000	0.000
X1	206.000	25.000	1918.000	2060.000	830.000	830.000	750.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	6125.000	1000.000	6211.500	1066.000	6203.500	1193.000	6196.600	1253.000	6187.300	1422.000
GR	6183.600	1494.000	6178.700	1637.000	6177.500	1696.000	6176.300	1772.000	6174.200	1844.000
GR	6172.800	1918.000	6170.900	1964.000	6170.100	1996.000	6170.900	2015.000	6171.200	2027.000
GR	6170.700	2042.000	6171.200	2060.000	6172.200	2143.000	6173.000	2182.000	6173.400	2226.000
GR	6173.600	2272.000	6174.000	2327.000	6174.300	2381.000	6174.500	2434.000	6174.700	2500.000
NC	0.035	0.035	0.035	0.100	0.300	0.000	0.000	0.000	0.000	0.000
X1	207.000	40.000	1890.000	1950.000	800.000	980.000	1120.000	0.000	0.000	0.000
GR	6236.100	1000.000	6230.800	1075.000	6226.200	1144.000	6222.500	1198.000	6214.700	1274.000
GR	6207.300	1344.000	6201.800	1409.000	6198.000	1461.000	6196.200	1504.000	6195.200	1534.000
GR	6193.200	1582.000	6191.200	1634.000	6190.600	1701.000	6189.900	1757.000	6187.500	1787.000
GR	6188.800	1825.000	6186.900	1850.000	6186.500	1877.000	6184.600	1890.000	6184.300	1914.000
GR	6184.500	1936.000	6186.800	1950.000	6188.400	1967.000	6189.400	1996.000	6190.300	2015.000

GR	6190.300	2052.000	6190.200	2093.000	6190.000	2145.000	6189.400	2220.000	6188.800	2264.000
GR	6189.500	2311.000	6190.100	2372.000	6189.500	2423.000	6191.000	2446.000	6189.900	2452.000
GR	6190.400	2460.000	6190.800	2469.000	6190.500	2483.000	6190.100	2493.000	6190.900	2500.000
NC	0.016	0.016	0.016	0.300	0.500	0.000	0.000	0.000	0.000	0.000
QT	1.000	1520.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	208.000	23.000	1598.000	1606.000	800.000	830.000	840.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	0.000	0.000	1750.000	0.000	0.000	0.000	0.000
GR	6240.700	1000.000	6235.000	1114.000	6228.800	1234.000	6223.500	1356.000	6218.600	1478.000
GR	6412.800	1598.000	6205.800	1598.000	6205.800	1606.000	6214.800	1606.000	6212.100	1717.000
GR	6209.700	1845.000	6208.500	1956.000	6208.200	2033.000	6208.200	2112.000	6208.300	2190.000
GR	6208.600	2264.000	6207.900	2367.000	6207.400	2475.000	6207.500	2555.000	6207.500	2603.000
GR	6207.600	2633.000	6207.700	2664.000	6207.800	2700.000	0.000	0.000	0.000	0.000
SB	1.050	1.250	2.600	0.000	8.000	0.000	32.000	0.000	6206.000	6205.800
X1	208.100	0.000	0.000	0.000	100.000	100.000	100.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	6213.800	6208.000	0.000	0.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	0.000	0.000	1750.000	0.000	0.000	0.000	0.000
BT	19.000	1478.000	6218.600	6218.600	1598.000	6214.800	6214.000	1598.000	6214.800	6205.800
BT	1606.000	6214.800	6205.800	1606.000	3214.800	6214.800	1717.000	6212.100	6212.100	1845.000
BT	6209.700	6209.700	1956.000	6208.500	6208.500	2033.000	6208.200	6208.200	2112.000	6208.200
BT	6208.200	2190.000	6208.300	6208.300	2264.000	6208.600	6208.600	2367.000	6207.900	6207.900
BT	2475.000	0.000	0.000	2555.000	0.000	0.000	2603.000	0.000	0.000	2633.000
BT	0.000	0.000	2664.000	0.000	0.000	2700.000	0.000	0.000	0.000	0.000
NC	0.016	0.016	0.016	0.100	0.300	0.000	0.000	0.000	0.000	0.000
X1	210.000	20.000	1687.000	1707.000	690.000	690.000	950.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	0.000	0.000	1800.000	9999.900	0.000	0.000	0.000
GR	6245.200	1000.000	6238.700	1080.000	6234.600	1144.000	6232.100	1195.000	6228.300	1276.000
GR	6223.300	1369.000	6219.200	1490.000	6218.300	1580.000	6218.000	1669.000	6217.800	1687.000
GR	6213.300	1687.000	6213.300	1707.000	6217.800	1707.000	6217.400	1779.000	6216.700	1873.000
GR	6215.600	1996.000	6215.100	2130.000	6216.000	2260.000	6128.000	2410.000	6220.000	2500.000
SB	1.050	1.250	2.600	0.000	20.000	2.000	60.000	0.000	6213.500	6213.300
X1	210.100	0.000	0.000	0.000	40.000	40.000	40.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	6216.300	6215.500	0.000	0.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	0.000	0.000	1800.000	0.000	0.000	0.000	0.000
BT	13.000	1580.000	0.000	0.000	1669.000	0.000	0.000	1687.000	6217.800	6217.800
BT	1687.000	6217.800	6213.300	1707.000	6217.800	6213.300	1707.000	6217.800	6217.800	1779.000
BT	0.000	0.000	1873.000	0.000	0.000	1996.000	0.000	0.000	2130.000	0.000
BT	0.000	2260.000	0.000	0.000	2410.000	0.000	0.000	2500.000	0.000	0.000
NC	0.035	0.035	0.016	0.100	0.300	0.000	0.000	0.000	0.000	0.000
QT	1.000	1520.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	211.000	30.000	1680.000	1725.000	1040.000	1040.000	1040.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	0.000	0.000	1745.000	6228.700	0.000	0.000	0.000
GR	6236.900	1000.000	6234.100	1157.000	6232.100	1170.000	6232.900	1189.000	6232.400	1213.000
GR	6232.900	1237.000	6232.800	1259.000	6230.700	1293.000	6230.300	1343.000	6230.600	1439.000
GR	6229.800	1576.000	6229.100	1633.000	6229.000	1680.000	6228.800	1697.000	6229.400	1706.000
GR	6223.200	1717.000	6223.200	1725.000	6228.700	1733.000	6228.700	1745.000	6228.100	1749.000
GR	6229.000	1766.000	6228.900	1784.000	6228.400	1821.000	6228.000	1879.000	6228.400	1941.000
GR	6229.300	1987.000	6228.800	2089.000	6228.800	2197.000	6231.200	2373.000	6232.400	2500.000

NC	0.016	0.016	0.016	0.300	0.500	0.000	0.000	0.000	0.000	0.000
QT	1.000	1250.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	212.000	15.000	1671.000	1949.000	800.000	800.000	1010.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	6266.200	1000.000	6261.100	1075.000	6254.900	1168.000	6250.100	1270.000	6246.100	1407.000
GR	6245.600	1476.000	6244.900	1584.000	6244.300	1671.000	6243.700	1881.000	6244.300	1949.000
GR	6246.200	2251.000	6247.300	2456.000	6248.800	2733.000	6249.700	2870.000	6250.500	3000.000
NC	0.035	0.035	0.025	0.100	0.300	0.000	0.000	0.000	0.000	0.000
X1	213.000	35.000	1543.000	1631.000	830.000	830.000	830.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	6265.100	1000.000	6264.700	1041.000	6264.900	1104.000	6264.100	1153.000	6262.700	1190.000
GR	6261.700	1201.000	6262.000	1221.000	6261.400	1239.000	6263.000	1246.000	6262.300	1286.000
GR	6262.200	1365.000	6260.700	1433.000	6260.100	1491.000	6259.300	1543.000	6257.900	1571.000
GR	6250.000	1586.000	6250.200	1612.000	6257.500	1619.000	6256.600	1631.000	6255.200	1655.000
GR	6254.400	1721.000	6254.000	1768.000	6254.500	1805.000	6253.900	1807.000	6353.900	1823.000
GR	6255.400	1833.000	6258.800	1929.000	6260.100	2002.000	6260.700	2090.000	6260.400	2176.000
GR	6260.200	2269.000	6260.000	2328.000	6260.300	2412.000	6260.400	2474.000	6261.000	2500.000
X1	214.000	40.000	1730.000	1783.000	890.000	890.000	890.000	0.000	0.000	0.000
GR	6287.700	1000.000	6287.400	1053.000	6286.100	1105.000	6283.900	1152.000	6284.400	1170.000
GR	6283.600	1209.000	6282.300	1271.000	6281.900	1309.000	6281.900	1328.000	6279.100	1358.000
GR	6278.500	1363.000	6279.300	1380.000	6278.800	1398.000	6279.600	1405.000	6278.500	1453.000
GR	6277.400	1526.000	6276.000	1589.000	6274.200	1646.000	6274.400	1693.000	6274.200	1715.000
GR	6271.700	1730.000	6270.700	1744.000	6266.600	1751.000	6266.600	1755.000	6270.300	1762.000
GR	6271.400	1783.000	6271.100	1850.000	6270.900	1900.000	6269.900	1936.000	6269.000	1946.000
GR	6269.500	1964.000	6269.300	1986.000	6270.400	2050.000	6272.000	2162.000	6272.900	2244.000
GR	6274.100	2337.000	6275.300	2396.000	6276.300	2457.000	6276.500	2495.000	6277.700	2500.000
NC	0.016	0.016	0.016	0.300	0.500	0.000	0.000	0.000	0.000	0.000
QT	1.000	360.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	215.000	15.000	1776.000	1864.000	945.000	945.000	945.000	0.000	0.000	0.000
GR	6308.800	1000.000	6307.900	1115.000	6306.800	1232.000	6306.300	1320.000	6304.900	1491.000
GR	6304.300	1592.000	6303.700	1703.000	6302.800	1776.000	6302.500	1864.000	6301.600	1971.000
GR	6300.200	2096.000	6298.100	2228.000	6297.100	2318.000	6296.700	2363.000	6295.600	2500.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*PROF 1

CCHV= 0.100 CEHV= 0.300
*SECNO 4.000
3720 CRITICAL DEPTH ASSUMED

4.00	6.72	6096.52	6096.52	6095.00	6099.27	2.75	0.00	0.00	6098.50
7895.	0.	7895.	0.	0.	594.	0.	0.	0.	6103.10
0.00	0.00	13.30	0.00	0.000	0.025	0.000	0.000	6089.80	1948.00
0.005402	0.	0.	0.	0	10	0	0.00	109.47	2057.47

*SECNO 201.000
3280 CROSS SECTION 201.00 EXTENDED 5.83 FEET

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 0.0 2100.0 TYPE= 1 TARGET= 2099.999

201.00	3.93	6107.93	6107.93	0.00	6109.86	1.93	5.41	0.08	6110.00
1710.	0.	1710.	0.	0.	153.	0.	8.	2.	6109.50
0.02	0.00	11.15	0.00	0.000	0.025	0.000	0.000	6104.00	2020.00
0.007414	850.	950.	950.	20	18	0	0.00	40.00	2060.00

SPECIAL BRIDGE

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.05	1.25	2.60	0.00	40.00	2.00	178.00	0.00	6105.00	6104.80

*SECNO 201.100
PRESS FLOW BECAUSE EGLWC OF 6110.34 EXCEEDS 1.5 DEPTH
6110 EGLWC OF 6109.72 LESS THAN XEG OF 6109.86
3280 CROSS SECTION 201.10 EXTENDED 5.96 FEET

PRESSURE FLOW

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD
6109.72	6110.34	1.34	0.	1710.	178.	114.	6108.00	6110.10

3470 ENCROACHMENT STATIONS= 0.0 2100.0 TYPE= 1 TARGET= 2099.999

201.10	4.05	6108.05	0.00	0.00	6109.86	1.81	0.00	0.00	6110.00
1710.	0.	1710.	0.	0.	158.	0.	8.	2.	6109.50
0.02	0.00	10.80	0.00	0.000	0.025	0.000	0.000	6104.00	2020.00
0.006700	40.	40.	40.	5	0	0	0.00	40.00	2060.00

CCHV= 0.100 CEHV= 0.300
*SECNO 202.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

202.00	4.04	6123.24	6123.24	0.00	6124.14	0.89	5.37	0.09	6121.90
1710.	68.	1460.	182.	34.	179.	71.	14.	4.	6122.10
0.07	2.01	8.15	2.57	0.035	0.025	0.035	0.000	6119.20	1925.70
0.003677	1050.	1100.	1230.	11	5	0	0.00	176.25	2101.95

*SECNO 203.000

3265 DIVIDED FLOW

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 0.0 2250.0 TYPE= 1 TARGET= 2249.999

203.00	2.74	6142.74	6142.74	0.00	6143.25	0.51	6.26	0.04	6142.90
1710.	48.	1505.	157.	22.	248.	72.	24.	12.	6142.50
0.13	2.17	6.07	2.18	0.035	0.025	0.035	0.000	6140.00	1780.35
0.005846	1400.	1390.	1180.	20	20	0	0.00	337.38	2250.00

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   SECNO      DEPTH     CWSEL     CRIWS     WSELK      EG        HV        HL       OLOSS    BANK ELEV
   Q          QLOB      QCH       QROB      ALOB       ACH       AROB      VOL      TWA    LEFT/RIGHT
   TIME       VLOB      VCH       VROB      XNL        XNCH      XNR       WTN      ELMIN       SSTA
   SLOPE      XLOBL     XLCH      XLOBR     ITRIAL     IDC       ICONT     CORAR    TOPWID      ENDST

CCHV=   0.100 CEHV=   0.300
*SECNO 204.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=       0.0    1730.0  TYPE=     1  TARGET=    1729.999
   204.00      2.14  6153.44  6153.44      0.00  6153.79      0.36      7.78      0.02  6151.60
    1710.        0.       0.    1710.        0.       0.       357.       34.       24.   6238.10
     0.21      0.00      0.00     4.79     0.000    0.000     0.025     0.000  6151.30  1617.67
 0.006700     1010.     1060.    1400.         9       14         0      0.00   471.58  2089.25

CCHV=   0.100 CEHV=   0.300
*SECNO 205.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=       0.0    2023.0  TYPE=     1  TARGET=    2022.999
   205.00      4.44  6165.04  6165.04      0.00  6165.53      0.49      6.27      0.04  6165.20
    1710.        0.      514.    1196.        0.      69.       258.       40.       31.   6163.80
     0.25      0.00      7.41     4.64     0.000    0.025     0.035     0.000  6160.60  1975.22
 0.009955      750.      750.     780.        20       18         0      0.00   285.22  2260.44

CCHV=   0.100 CEHV=   0.300
*SECNO 206.000
3280 CROSS SECTION    206.00 EXTENDED     47.52 FEET

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     6172.80 ELREA=     6171.20

   206.00      2.42  6172.52  6172.52      0.00  6173.17      0.64      4.01      0.05  6172.80
    1710.        0.    1395.     315.        0.     205.        71.       45.       36.   6171.20
     0.28      0.00      6.81     4.43     0.000    0.016     0.016     0.000  6170.10  1924.67
 0.003096      830.      750.     830.         4       14         0      0.00   234.15  2158.82

CCHV=   0.100 CEHV=   0.300
*SECNO 207.000
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IBC       ICONT     CORAR     TOPWID      ENDST


3265 DIVIDED FLOW

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
   207.00      3.24  6187.54   6187.54      0.00   6188.54      1.01      5.54      0.11   6184.60
    1710.       264.     1440.        6.       51.       170.         3.       51.       40.    6186.80
     0.32      5.15      8.49      2.18     0.035     0.035     0.035     0.000   6184.30   1786.53
 0.010061       800.     1120.       980.        20        11         0      0.00    117.78   1957.83

CCHV=   0.300 CEHV=   0.500
*SECNO 208.000

3265 DIVIDED FLOW

3280 CROSS SECTION    208.00 EXTENDED      6.26 FEET

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=       0.0    1750.0  TYPE=     1  TARGET=    1749.999
   208.00      8.26  6214.06   6214.06      0.00   6214.89      0.83      3.85      0.05   6412.80
    1520.         0.       592.       928.         0.        66.       154.        56.       42.    6214.80
     0.35      0.00      8.97      6.04     0.000     0.016     0.016     0.000   6205.80   1598.00
 0.002485       800.       840.       830.        20        22         0      0.00    121.47   1750.00


SPECIAL BRIDGE

SB   XK         XKOR       COFQ       RDLEN      BWC        BWP        BAREA      SS         ELCHU      ELCHD
      1.05       1.25       2.60       0.00       8.00       0.00      32.00       0.00    6206.00    6205.80

*SECNO 208.100
1860 XLCEL OF   6214.80 EXCEEDS RDEL OF   3214.80

6070,LOW FLOW BY NORMAL BRIDGE

EGPRS=  6257.851  EGLWC=  6215.090  ELLC=  6213.800  PCWSE=  6214.057  ELTRD=  6208.000

3265 DIVIDED FLOW
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SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3280 CROSS SECTION 208.10 EXTENDED 6.71 FEET

3370 NORMAL BRIDGE,NRD= 19 MIN EL.TRD= 6208.00 MAX ELLC= 6213.80

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 0.0 1750.0 TYPE= 1 TARGET= 1749.999

208.10	8.71	6214.51	6214.51	0.00	6215.33	0.82	0.36	0.00	6412.80
1520.	0.	0.	1520.	0.	0.	209.	56.	43.	6214.80
0.35	0.00	0.00	7.28	0.000	0.000	0.016	0.000	6205.80	1598.00
0.005682	100.	100.	100.	2	11	0	-69.66	139.99	1750.00

CCHV= 0.100 CEHV= 0.300
*SECNO 210.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 0.0 1800.0 TYPE= 1 TARGET= 1799.999

210.00	5.58	6218.88	6218.88	0.00	6219.42	0.54	1.58	0.03	6217.80
1520.	234.	830.	456.	99.	112.	125.	61.	46.	6217.80
0.39	2.36	7.44	3.65	0.016	0.016	0.016	0.000	6213.30	1522.00
0.001063	690.	950.	690.	4	21	0	0.00	278.00	1800.00

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 6217.71 ,NOT 6218.88 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.05	1.25	2.60	0.00	20.00	2.00	60.00	0.00	6213.50	6213.30

*SECNO 210.100
PRESS FLOW BECAUSE EGLWC OF 6222.14 EXCEEDS 1.5 DEPTH
6870 D.S. ENERGY OF 6219.42 HIGHER THAN COMPUTED ENERGY OF 6218.88
PRESSURE AND WEIR FLOW

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD
6231.34	6222.14	0.00	1493.	14.	60.	50.	6216.30	6215.50

3470 ENCROACHMENT STATIONS= 0.0 1800.0 TYPE= 1 TARGET= 1799.999

210.10	5.58	6218.88	0.00	0.00	6219.42	0.54	0.00	0.00	6217.80
1520.	235.	829.	456.	100.	112.	125.	61.	46.	6217.80
0.39	2.36	7.43	3.65	0.016	0.016	0.016	0.000	6213.30	1521.89
0.001061	40.	40.	40.	0	0	3	0.00	278.11	1800.00

CCHV= 0.100 CEHV= 0.300
*SECNO 211.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 0.0 1745.0 TYPE= 1 TARGET= 1744.999

211.00	6.41	6229.61	6229.61	0.00	6230.04	0.43	1.50	0.01	6229.00
1520.	43.	755.	722.	37.	105.	407.	72.	57.	6223.20
0.46	1.16	7.22	1.77	0.035	0.016	0.035	0.000	6223.20	1591.12
0.002061	1040.	1040.	1040.	20	12	0	0.00	665.60	2256.72

CCHV= 0.300 CEHV= 0.500
*SECNO 212.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

212.00	1.15	6244.85	6244.85	0.00	6245.19	0.34	2.41	0.03	6244.30
1250.	50.	1145.	55.	22.	236.	24.	80.	68.	6244.30
0.52	2.28	4.84	2.28	0.016	0.016	0.016	0.000	6243.70	1591.19
0.003375	800.	1010.	800.	20	25	0	0.00	445.30	2036.49

CCHV= 0.100 CEHV= 0.300
*SECNO 213.000

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 6259.30 ELREA= 6256.60

213.00	3.94	6253.94	6253.94	0.00	6255.59	1.65	3.85	0.39	6259.30
1250.	0.	1250.	0.	0.	121.	0.	84.	73.	6256.60
0.54	0.00	10.30	0.00	0.000	0.025	0.000	0.000	6250.00	1578.51
0.006751	830.	830.	830.	20	20	0	0.00	37.07	1615.59

*SECNO 214.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

214.00	4.44	6271.04	6271.04	0.00	6271.46	0.42	6.38	0.12	6271.70
1250.	0.	400.	850.	0.	59.	200.	88.	76.	6271.40
0.59	0.00	6.83	4.24	0.000	0.025	0.035	0.000	6266.60	1739.24
0.007638	890.	890.	890.	20	8	0	0.00	266.67	2094.80

CCHV= 0.300 CEHV= 0.500
*SECNO 215.000
3280 CROSS SECTION 215.00 EXTENDED 1.15 FEET

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

215.00	1.15	6296.75	6296.75	0.00	6297.05	0.30	6.32	0.04	6302.80
360.	0.	0.	360.	0.	0.	82.	92.	81.	6302.50
0.65	0.00	0.00	4.38	0.000	0.000	0.016	0.000	6295.60	2357.46
0.004460	945.	945.	945.	20	14	0	0.00	142.54	2500.00

THIS RUN EXECUTED 16-OCT-84 13:44:45

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY   1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

YEAR DEVELOPED FLOOD

SUMMARY PRINTOUT

	SECNO	CWSEL	DEPTH	Q	QLOB	QROB	SSTA	ENDST	TOPWID
*	4.000	6096.52	6.72	7895.00	0.00	0.00	1948.00	2057.47	109.47
*	201.000	6107.93	3.93	1710.00	0.00	0.00	2020.00	2060.00	40.00
	201.100	6108.05	4.05	1710.00	0.00	0.00	2020.00	2060.00	40.00
*	202.000	6123.24	4.04	1710.00	68.28	181.72	1925.70	2101.95	176.25
*	203.000	6142.74	2.74	1710.00	48.17	156.78	1780.35	2250.00	337.38
*	204.000	6153.44	2.14	1710.00	0.00	1710.00	1617.67	2089.25	471.58
*	205.000	6165.04	4.44	1710.00	0.00	1195.64	1975.22	2260.44	285.22
*	206.000	6172.52	2.42	1710.00	0.00	314.91	1924.67	2158.82	234.15
*	207.000	6187.54	3.24	1710.00	263.54	6.31	1786.53	1957.83	117.78
*	208.000	6214.06	8.26	1520.00	0.00	927.70	1598.00	1750.00	121.47
*	208.100	6214.51	8.71	1520.00	0.00	1520.00	1598.00	1750.00	139.99
*	210.000	6218.88	5.58	1520.00	234.49	455.63	1522.00	1800.00	278.00
*	210.100	6218.88	5.58	1520.00	234.87	455.80	1521.89	1800.00	278.11
*	211.000	6229.61	6.41	1520.00	43.31	721.71	1591.12	2256.72	665.60
*	212.000	6244.85	1.15	1250.00	50.14	54.96	1591.19	2036.49	445.30
*	213.000	6253.94	3.94	1250.00	0.00	0.00	1578.51	1615.59	37.07
*	214.000	6271.04	4.44	1250.00	0.00	849.67	1739.24	2094.80	266.67

	SECNO	CWSEL	DEPTH	Q	QLOB	QROB	SSTA	ENDST	TOPWID
*	215.000	6296.75	1.15	360.00	0.00	360.00	2357.46	2500.00	142.54

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION  SECNO=     4.000  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=   201.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   201.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   201.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   202.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   202.000  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   203.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   203.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   203.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   204.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   204.000  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   205.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   205.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   205.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   206.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   206.000  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   207.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   207.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   207.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   208.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   208.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   208.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   208.100  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   208.100  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   210.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   210.000  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=   210.100  PROFILE= 1  HYDRAULIC JUMP D.S.

CAUTION  SECNO=   211.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   211.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   211.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   212.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   212.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   212.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   213.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=   213.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   213.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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16-OCT-84 13:44:16

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CAUTION  SECNO=  214.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=  214.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=  214.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=  215.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=  215.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=  215.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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16-OCT-84 13:44:47

THIS RUN EXECUTED 16-OCT-84 13:44:47

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY   1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55
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THIS RUN EXECUTED 11/13/85 15:10:54

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION 1.1
**************************************************


T1 CO-FA-03 COLO SPGS, COLO
T2 SAND CREEK (MAIN) EXISTING CONDITIONS
T3 100 - YEAR DEVELOPED FLOOD

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

       0.        2.        0.        0.   .000000       .00        .0        0.  5786.800      .000

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

     -1.000      .000    -1.000      .000      .000      .000      .000      .000      .000      .000

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

     38.000     1.000     8.000    43.000    13.000    15.000    53.000    54.000     4.000      .000


QT      1.000 15620.000      .000      .000      .000      .000      .000      .000      .000      .000
NC       .030      .030      .025      .100      .300      .000      .000      .000      .000      .000
X1      1.000    37.000  1771.000  2038.000  1210.000  1150.000  1150.000      .000      .000      .000
GR   5811.000  1000.000  5809.000  1051.000  5810.000  1108.000  5812.100  1142.000  5804.000  1172.000
GR   5801.000  1182.000  5801.000  1250.000  5798.000  1272.000  5798.200  1363.000  5798.800  1455.000
GR   5799.000  1523.000  5800.100  1595.000  5801.200  1667.000  5807.500  1680.000  5807.200  1703.000
GR   5801.900  1710.000  5805.000  1728.000  5801.000  1742.000  5799.700  1771.000  5795.500  1781.000
GR   5798.000  2033.000  5811.700  2084.000  5811.000  2113.000  5808.400  2133.000  5811.300  2158.000
GR   5815.100  2172.000  5818.300  2202.000  5811.500  2240.000  5816.800  2274.000  5821.400  2294.000
GR   5819.600  2300.000  5802.100  2356.000  5818.700  2418.000  5817.900  2461.000  5820.500  2472.000
GR   5812.000  2475.000  5812.000  2500.000      .000      .000      .000      .000      .000      .000

NC       .020      .020      .025      .300      .500      .000      .000      .000      .000      .000
QT      1.000 15620.000      .000      .000      .000      .000      .000      .000      .000      .000
X1      2.000    18.000  1946.000  2106.000  1200.000  1300.000  1130.000      .000      .000      .000
X3       .000      .000      .000  1946.000  9999.900  2106.000  9999.900      .000      .000      .000
GR   5819.200  1000.000  5818.700  1167.000  5816.200  1343.000  5819.100  1526.000  5821.900  1704.000
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GR	5824.400	1868.000	5826.100	1946.000	5813.700	1946.500	5813.700	2106.000	5826.100	2106.500
GR	5828.600	2346.000	5830.900	2418.000	5833.900	2506.000	5835.400	2602.000	5836.500	2704.000
GR	5835.200	2790.000	5833.700	2861.000	5833.300	3000.000	.000	.000	.000	.000
SB	1.250	1.500	2.500	.000	160.000	4.000	1560.000	.000	.000	.000
X1	2.500	.000	.000	.000	25.000	25.000	25.000	.000	.000	.000
X2	.000	.000	1.000	5823.700	5826.100	.000	.000	.000	.000	.000
X3	.000	.000	.000	1946.000	9999.900	2106.000	9999.900	.000	.000	.000
BT	18.000	1000.000	5819.200	5819.200	1167.000	5818.700	5818.700	1343.000	5818.200	5818.200
BT	1526.000	5819.100	5819.100	1704.000	5821.900	5821.900	1868.000	5824.400	5824.400	1946.000
BT	5826.100	5826.100	1946.000	5826.100	5823.700	2106.000	5826.100	5823.700	2106.000	5826.100
BT	5826.100	2346.000	5828.600	5828.600	2418.000	5830.900	5830.900	2506.000	5833.900	5833.900

1

BT	2602.000	5835.400	5835.400	2704.000	5836.500	5836.500	2790.000	5835.200	5835.200	2861.000
BT	5833.700	5833.700	3000.000	5833.300	5833.300	.000	.000	.000	.000	.000
NC	.030	.030	.025	.100	.300	.000	.000	.000	.000	.000
X1	3.000	50.000	1803.000	2180.000	630.000	650.000	625.000	.000	.000	.000
X3	.000	.000	.000	1803.000	9999.900	2188.000	9999.900	.000	.000	.000
GR	5823.200	1000.000	5827.500	1025.000	5827.100	1102.000	5829.700	1140.000	5826.100	1172.000
GR	5822.700	1206.000	5822.600	1232.000	5824.200	1309.000	5826.200	1360.000	5827.000	1376.000
GR	5826.100	1382.000	5825.700	1390.000	5821.400	1407.000	5822.800	1414.000	5820.500	1421.000
GR	5821.300	1447.000	5829.700	1479.000	5827.400	1495.000	5827.200	1580.000	5827.800	1662.000
GR	5822.100	1714.000	5829.700	1803.000	5827.600	1809.000	5828.100	1852.000	5826.500	1887.000
GR	5827.900	1931.000	5825.800	1937.000	5825.600	2057.000	5827.100	2095.000	5826.600	2143.000
GR	5826.400	2165.000	5830.800	2188.000	5828.400	2196.000	5829.000	2224.000	5828.300	2244.000
GR	5839.800	2267.000	5839.300	2278.000	5814.100	2293.000	5841.500	2329.000	5840.800	2382.000
GR	5840.200	2428.000	5839.700	2489.000	5839.300	2544.000	5839.500	2620.000	5840.200	2706.000
GR	5840.400	2773.000	5841.000	2846.000	5841.700	2902.000	5841.900	2960.000	5841.700	3000.000
NC	.025	.025	.025	.300	.500	.000	.000	.000	.000	.000
X1	4.000	16.000	2100.000	2585.000	440.000	420.000	430.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	5836.700	1000.000	5737.700	1111.000	5839.800	1264.000	5840.300	1422.000	5841.300	1589.000
GR	5842.100	1753.000	5843.200	1904.000	5844.300	2036.000	5845.000	2100.000	5829.400	2100.300
GR	5834.800	2585.000	5847.400	2585.500	5848.200	2706.000	5849.300	2852.000	5848.900	2950.000
GR	5849.400	3000.000	.000	.000	.000	.000	.000	.000	.000	.000
SB	1.200	1.500	2.500	.000	485.000	37.000	4930.000	.000	.000	.000
X1	4.500	.000	.000	.000	10.000	10.000	10.000	.000	.000	.000
X2	.000	.000	1.000	5845.800	5845.800	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
BT	16.000	1000.000	5836.700	5836.700	1111.000	5837.700	5837.700	1264.000	5839.300	5839.300
BT	1442.000	5840.800	5840.800	1589.000	5841.200	5841.300	1733.000	5842.100	5842.100	1904.000
BT	5843.200	5843.200	2036.000	5844.300	5844.300	2100.000	5845.000	5845.000	2100.000	5845.000
BT	5840.400	2585.000	5847.400	5845.800	2585.000	5847.400	5847.400	2706.000	5848.200	5848.200
BT	2852.000	5849.300	5849.300	2950.000	5848.900	5848.900	3000.000	5849.400	5849.400	.000
NC	.030	.030	.025	.100	.300	.000	.000	.000	.000	.000
X1	5.000	49.000	1929.000	2074.000	970.000	940.000	950.000	.000	.000	.000

X3	.000	.000	.000	1806.000	9999.900	2786.000	9999.900	.000	.000	.000
GR	5844.200	1000.000	5842.800	1119.000	5842.500	1232.000	5842.100	1326.000	5844.900	1385.000
GR	5846.600	1431.000	5847.600	1503.000	5849.000	1547.000	5846.800	1560.000	5846.600	1609.000
GR	5848.600	1625.000	5850.000	1680.000	5851.900	1724.000	5853.600	1770.000	5854.400	1806.000
GR	5853.800	1852.000	5851.700	1907.000	5850.300	1923.000	5847.400	1929.000	5839.400	1936.000
GR	5839.700	2008.000	5839.600	2069.000	5842.000	2074.000	5844.300	2128.000	5849.500	2144.000
GR	5849.300	2160.000	5848.100	2183.000	5847.800	2214.000	5856.200	2248.000	5858.800	2270.000
GR	5851.700	2296.000	5853.400	2334.000	5853.000	2372.000	5855.000	2439.000	5854.100	2502.000
GR	5855.100	2575.000	5854.900	2601.000	5850.100	2619.000	5847.300	2624.000	5847.300	2672.000
GR	5851.300	2681.000	5850.800	2708.000	5874.800	2738.000	5876.100	2786.000	5860.800	2815.000
GR	5861.200	2907.000	5864.500	2922.000	5860.700	2965.000	5861.000	3000.000	.000	.000

1

X1	6.000	52.000	1782.000	1979.000	930.000	880.000	900.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	5868.900	1000.000	5872.000	1098.000	5870.000	1206.000	5866.600	1250.000	5867.100	1296.000
GR	5860.200	1317.000	5860.100	1333.000	5866.600	1352.000	5865.400	1368.000	5865.000	1417.000
GR	5865.500	1424.000	5864.300	1456.000	5863.100	1508.000	5862.100	1570.000	5860.300	1640.000
GR	5859.800	1697.000	5858.400	1748.000	5858.700	1763.000	5853.400	1782.000	5849.800	1795.000
GR	5850.100	1942.000	5854.600	1979.000	5858.100	2018.000	5863.000	2051.000	5869.100	2068.000
GR	5863.900	2083.000	5864.400	2120.000	5866.200	2170.000	5867.600	2222.000	5864.200	2233.000
GR	5864.500	2247.000	5874.500	2268.000	5867.500	2288.000	5864.300	2301.000	5865.200	2360.000
GR	5887.300	2390.000	5914.000	2429.000	5887.300	2453.000	5868.100	2484.000	5871.300	2551.000
GR	5871.200	2608.000	5875.900	2621.000	5875.400	2643.000	5871.900	2664.000	5869.700	2680.000
GR	5869.200	2717.000	5869.500	2797.000	5870.900	2854.000	5873.700	2902.000	5878.200	2936.000
GR	5880.100	2964.000	5879.500	3000.000	.000	.000	.000	.000	.000	.000
NC	.020	.020	.020	.300	.500	.000	.000	.000	.000	.000
SB	1.050	1.500	2.500	.000	160.000	9.200	755.000	.000	.000	.000
X1	7.000	12.000	1920.000	2080.000	900.000	900.000	900.000	.000	.000	.000
X2	.000	.000	1.000	5870.000	5876.000	.000	.000	.000	.000	.000
BT	12.000	1000.000	5878.500	5878.500	1170.000	5876.900	5876.900	1342.000	5875.500	5875.500
BT	1545.000	5874.700	5874.700	1769.000	5874.800	5874.800	1920.000	5876.000	5876.000	1920.000
BT	5876.000	5870.000	2080.000	5876.000	5870.000	2080.000	5876.000	5876.000	2130.000	5876.000
BT	5876.300	2341.000	5878.000	5878.000	2521.000	5880.900	5880.900	.000	.000	.000
GR	5878.500	1000.000	5876.900	1170.000	5875.500	1342.000	5874.700	1545.000	5874.800	1769.000
GR	5876.000	1920.000	5865.000	1920.500	5865.000	2080.000	5876.000	2080.500	5876.300	2130.000
GR	5878.000	2341.000	5880.900	2521.000	.000	.000	.000	.000	.000	.000
SB	1.050	1.500	2.500	.000	160.000	9.200	1131.000	.000	.000	.000
X1	7.500	12.000	1920.000	2080.000	90.000	90.000	90.000	.000	.000	.000
X2	.000	.000	1.000	5873.200	5876.000	.000	.000	.000	.000	.000
BT	12.000	1000.000	5878.500	5878.500	1170.000	5876.900	5876.900	1342.000	5875.500	5875.500
BT	1545.000	5874.700	5874.700	1769.000	5874.800	5874.800	1920.000	5876.000	5876.000	1920.000
BT	5876.000	5873.200	2080.000	5876.000	5873.200	2080.000	5876.000	5876.000	2130.000	5876.300
BT	5876.300	2341.000	5878.000	5878.000	2521.000	5880.900	5880.900	.000	.000	.000
GR	5878.500	1000.000	5876.900	1170.000	5875.500	1342.000	5874.700	1545.000	5874.800	1769.000
GR	5876.000	1920.000	5865.700	1920.100	5865.700	2080.000	5876.000	2080.100	5876.300	2130.000
GR	5878.000	2341.000	5880.900	2521.000	.000	.000	.000	.000	.000	.000

NC	.030	.050	.025	.100	.300	.000	.000	.000	.000	.000
X1	8.000	44.000	1883.000	2109.000	750.000	750.000	750.000	.000	.000	.000
X3	.000	.000	.000	1883.000	9999.900	.000	.000	.000	.000	.000
GR	5896.800	1000.000	5894.000	1041.000	5896.200	1072.000	5895.200	1092.000	5896.200	1111.000
GR	5895.200	1160.000	5894.100	1221.000	5893.300	1297.000	5893.300	1366.000	5891.300	1415.000
GR	5891.800	1437.000	5890.300	1462.000	5888.400	1493.000	5887.300	1532.000	5886.000	1589.000
GR	5882.600	1638.000	5881.400	1675.000	5880.300	1707.000	5880.600	1744.000	5880.300	1784.000
GR	5883.400	1812.000	5882.200	1828.000	5882.700	1860.000	5883.600	1883.000	5876.500	1904.000
GR	5876.500	1997.000	5876.200	2087.000	5878.000	2103.000	5881.900	2109.000	5882.100	2138.000
GR	5885.800	2195.000	5886.900	2212.000	5886.600	2246.000	5885.600	2284.000	5885.600	2320.000
GR	5886.800	2351.000	5885.800	2408.000	5887.800	2504.000	5888.500	2597.000	5889.200	2701.000
GR	5890.500	2791.000	5891.400	2915.000	5892.200	2939.000	5892.000	3000.000	.000	.000

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X1	9.000	52.000	1905.000	2131.000	1550.000	1550.000	1540.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	5925.700	1000.000	5927.200	1059.000	5926.500	1111.000	5925.700	1140.000	5925.400	1206.000
GR	5926.500	1225.000	5925.100	1246.000	5925.600	1271.000	5925.200	1288.000	5925.500	1313.000
GR	5925.300	1345.000	5924.400	1400.000	5824.200	1461.000	5923.200	1526.000	5922.400	1571.000
GR	5920.400	1594.000	5918.400	1623.000	5917.800	1658.000	5917.400	1684.000	5915.500	1699.000
GR	5914.500	1723.000	5913.100	1746.000	5915.100	1764.000	5913.300	1786.000	5912.400	1812.000
GR	5912.000	1833.000	5911.000	1857.000	5910.000	1875.000	5904.500	1893.000	5904.100	1905.000
GR	5896.200	1913.000	5896.500	2036.000	5898.700	2079.000	5899.600	2110.000	5904.600	2131.000
GR	5903.700	2143.000	5904.500	2172.000	5907.600	2241.000	5909.600	2288.000	5908.900	2362.000
GR	5908.600	2403.000	5909.800	2456.000	5910.400	2527.000	5910.400	2617.000	5912.200	2647.000
GR	5912.400	2692.000	5912.200	2741.000	5909.800	2776.000	5912.600	2816.000	5914.000	2865.000
GR	5913.900	2902.000	5913.700	3000.000	.000	.000	.000	.000	.000	.000

NC	.030	.050	.020	.300	.500	.000	.000	.000	.000	.000
X1	10.000	9.000	1550.000	1800.000	1000.000	1250.000	1120.000	.000	.000	.000
GR	5930.000	1000.000	5924.000	1300.000	5929.000	1550.000	5913.500	1550.500	5913.500	1800.000
GR	5933.000	1800.500	5933.000	1900.000	5928.000	2100.000	5933.000	2300.000	.000	.000

SB	1.050	1.500	2.500	.000	270.000	10.000	3135.000	.000	.000	.000
X1	10.500	.000	.000	.000	170.000	160.000	150.000	.000	.000	.000
X2	.000	.000	1.000	5826.500	5929.000	.000	.000	.000	.000	.000
BT	9.000	1000.000	5930.000	5930.000	1300.000	5924.000	5924.000	1550.000	5929.000	5929.000
BT	1550.000	5929.000	5933.500	1800.000	5933.000	5926.500	1800.000	5933.000	5933.000	1900.000
BT	5933.000	5933.000	2100.000	5928.000	5928.000	2300.000	5933.000	5933.000	.000	.000

NC	.030	.030	.025	.100	.300	.000	.000	.000	.000	.000
X1	11.000	41.000	1863.000	2176.000	900.000	700.000	810.000	.000	.000	.000
GR	5951.100	1000.000	5951.600	1045.000	5949.400	1066.000	5946.700	1101.000	5944.500	1133.000
GR	5942.600	1167.000	5940.700	1199.000	5939.800	1225.000	5941.100	1243.000	5940.800	1295.000
GR	5939.900	1334.000	5939.100	1384.000	5938.800	1409.000	5938.100	1451.000	5937.200	1468.000
GR	5938.200	1488.000	5940.300	1542.000	5940.100	1591.000	5940.200	1646.000	5939.700	1721.000
GR	5939.400	1776.000	5939.000	1824.000	5934.800	1863.000	5927.000	1872.000	5928.000	1961.000
GR	5928.700	2060.000	5929.400	2162.000	5937.800	2176.000	5938.900	2208.000	5940.000	2245.000
GR	5942.100	2324.000	5944.500	2390.000	5945.300	2437.000	5947.100	2500.000	5948.400	2547.000
GR	5949.200	2604.000	5949.100	2661.000	5948.800	2712.000	5949.900	2764.000	5948.900	2830.000

GR	5948.100	3000.000	.000	.000	.000	.000	.000	.000	.000	.000
NC	.016	.016	.016	.300	.500	.000	.000	.000	.000	.000
X1	12.000	7.000	1830.000	1980.000	1300.000	1300.000	1300.000	.000	.000	.000
GR	5970.000	1000.000	5964.000	1430.000	5959.500	1830.000	5947.000	1830.000	5947.000	1980.000
GR	5959.500	1980.000	5960.000	3150.000	.000	.000	.000	.000	.000	.000
SB	1.050	1.500	2.600	.000	150.000	8.330	1025.400	.000	.000	.000
X1	12.500	.000	.000	.000	100.000	100.000	100.000	.000	.000	.000
X2	.000	.000	1.000	5954.000	5959.500	.000	.000	.000	.000	.000
BT	7.000	1000.000	.000	.000	1430.000	.000	.000	1830.000	5959.500	5959.500
BT	1830.000	5959.500	5954.000	1980.000	5959.500	5954.000	1980.000	5959.500	5959.500	3150.000
BT	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

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X1	13.000	45.000	2332.000	2685.000	500.000	500.000	500.000	.000	.000	.000
X3	.000	.000	.000	.000	.000	2657.000	9999.900	.000	.000	.000
GR	5978.300	1000.000	5975.600	1066.000	5974.300	1151.000	5973.100	1250.000	5972.700	1345.000
GR	5973.400	1484.000	5973.100	1571.000	5973.400	1664.000	5972.300	1728.000	5971.500	1736.000
GR	5970.700	1816.000	5972.300	1836.000	5972.500	1895.000	5972.600	1967.000	5973.000	1984.000
GR	5972.600	2083.000	5971.200	2154.000	5969.300	2234.000	5970.200	2281.000	5967.800	2302.000
GR	5963.400	2332.000	5959.800	2372.000	5960.900	2398.000	5957.300	2406.000	5956.600	2608.000
GR	5959.000	2618.000	5959.700	2633.000	5970.500	2657.000	5970.600	2685.000	5963.300	2699.000
GR	5961.900	2767.000	5962.600	2862.000	5963.500	2964.000	5963.400	3020.000	5963.600	3068.000
GR	5964.900	3155.000	5965.800	3256.000	5967.200	3336.000	5967.200	3452.000	5967.000	3582.000
GR	5966.600	3698.000	5967.000	3777.000	5968.400	3860.000	5970.200	3944.000	5972.800	4000.000
X1	14.000	41.000	1622.000	1851.000	1070.000	1080.000	1080.000	.000	.000	.000
X3	.000	.000	.000	.000	.000	1851.000	9999.900	.000	.000	.000
GR	5992.700	1000.000	5991.900	1088.000	5990.100	1168.000	5987.500	1241.000	5984.600	1282.000
GR	5984.600	1321.000	5985.300	1381.000	5988.700	1420.000	5987.700	1486.000	5987.100	1562.000
GR	5981.500	1595.000	5981.400	1622.000	5971.600	1648.000	5971.400	1804.000	5977.900	1821.000
GR	5978.700	1838.000	5982.000	1851.000	5981.400	1865.000	5978.800	1878.000	5977.900	1932.000
GR	5978.700	2013.000	5979.700	2106.000	5981.400	2160.000	5983.500	2260.000	5984.100	2311.000
GR	5982.700	2315.000	5983.800	2347.000	5983.400	2379.000	5984.100	2383.000	5985.800	2492.000
GR	5985.800	2651.000	5985.800	2834.000	5985.800	3007.000	5986.800	3123.000	5988.900	3224.000
GR	5990.500	3400.000	5988.900	3422.000	5988.900	3444.000	5989.900	3453.000	5988.200	3462.000
GR	5989.900	3500.000	.000	.000	.000	.000	.000	.000	.000	.000
NC	.025	.025	.020	.300	.500	.000	.000	.000	.000	.000
X1	15.000	15.000	1900.000	2110.000	1200.000	1150.000	1180.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	6016.000	1000.000	6014.500	1168.000	601.400	1368.000	6008.700	1564.000	6006.800	1756.000
GR	6005.900	1900.000	5989.700	1900.500	5989.700	2110.000	6004.200	2110.500	6003.900	2345.000
GR	6004.700	2495.000	6005.000	2613.000	6005.400	2752.000	6006.300	2864.000	6006.700	3000.000
SB	1.050	1.500	2.500	.000	210.000	2.000	1750.000	.000	.000	.000
X1	15.500	.000	.000	.000	130.000	130.000	130.000	.000	.000	.000
X2	.000	.000	1.000	5998.100	6004.200	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

BT	12.000	1564.000	6008.700	6008.700	1756.000	6006.800	6006.800	1900.000	6005.900	6005.900
BT	1900.000	6005.900	5998.900	2110.000	6004.200	5997.200	2110.000	6004.200	6004.200	2345.000
BT	6003.900	6003.900	2495.000	6004.700	6004.700	2613.000	6005.000	6005.000	2752.000	6005.400
BT	6005.400	2864.000	6006.300	6006.300	3000.000	6006.700	6006.700	.000	.000	.000
NC	.030	.030	.025	.100	.300	.000	.000	.000	.000	.000
X1	16.000	54.000	2414.000	2612.000	730.000	730.000	730.000	.000	.000	.000
GR	6028.800	1000.000	6024.100	1089.000	6019.800	1148.000	6020.300	1175.000	6017.800	1214.000
GR	6017.600	1265.000	6019.000	1337.000	6018.900	1429.000	6015.500	1479.000	6018.400	1518.000
GR	6015.100	1542.000	6017.800	1562.000	6017.700	1680.000	6016.000	1773.000	6015.100	1879.000
GR	6014.300	1982.000	6014.400	2086.000	6013.500	2157.000	6013.200	2278.000	6012.700	2340.000
GR	6013.800	2350.000	6012.900	2375.000	6009.600	2392.000	6009.600	2414.000	6000.600	2434.000
GR	6001.200	2507.000	6001.600	2575.000	6008.900	2592.000	6010.600	2612.000	6010.200	2650.000
GR	6011.300	2663.000	6011.400	2736.000	6012.000	2823.000	6012.700	2840.000	6013.400	2861.000
GR	6013.900	3032.000	6016.400	3108.000	6017.000	3180.000	6015.900	3186.000	6016.200	3217.000
GR	6015.800	3242.000	6017.800	3260.000	6017.200	3267.000	6018.100	3360.000	6016.800	3409.000
GR	6014.600	3469.000	6014.800	3527.000	6016.000	3597.000	6016.100	3643.000	6014.500	3727.000
GR	6013.800	3814.000	6014.500	3886.000	6014.100	3974.000	6020.800	4000.000	.000	.000

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X1	17.000	53.000	1898.000	2112.000	1130.000	1130.000	1130.000	.000	.000	.000
GR	6034.400	1000.000	6033.300	1021.000	6033.500	1060.000	6032.700	1216.000	6031.700	1362.000
GR	6031.800	1437.000	6031.200	1467.000	6031.500	1517.000	6033.600	1566.000	6034.400	1600.000
GR	6032.900	1648.000	6031.300	1682.000	6029.400	1725.000	6030.400	1763.000	6028.200	1826.000
GR	6025.100	1861.000	6023.200	1868.000	6025.200	1876.000	6024.000	1898.000	6020.300	1909.000
GR	6020.300	2100.000	6027.300	2112.000	6029.500	2137.000	6029.800	2184.000	6029.600	2216.000
GR	6028.600	2242.000	6028.900	2276.000	6030.300	2317.000	6030.800	2346.000	6032.600	2408.000
GR	6030.700	2462.000	6029.400	2539.000	6028.100	2574.000	6028.800	2597.000	6028.600	2612.000
GR	6029.900	2649.000	6030.400	2717.000	6030.800	2772.000	6030.000	2800.000	6030.800	2844.000
GR	6030.400	2878.000	6031.500	2901.000	6029.400	2963.000	6027.900	3033.000	6028.800	3122.000
GR	6029.100	3217.000	6027.800	3299.000	6028.800	3311.000	6026.800	3361.000	6026.800	3381.000
GR	6032.600	3400.000	6035.700	3431.000	6041.700	3500.000	.000	.000	.000	.000
QT	1.000	11530.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	18.000	53.000	2363.000	2495.000	1250.000	1150.000	1200.000	.000	.000	.000
X3	.000	.000	.000	1968.000	9999.900	.000	.000	.000	.000	.000
GR	6052.200	1000.000	6051.800	1050.000	6051.100	1077.000	6048.000	1121.000	6048.100	1184.000
GR	6047.200	1239.000	6046.000	1286.000	6044.800	1356.000	6043.900	1427.000	6042.900	1510.000
GR	6042.500	1563.000	6042.100	1624.000	6042.200	1654.000	6041.800	1694.000	6040.500	1739.000
GR	6033.600	1758.000	6033.600	1832.000	6040.000	1851.000	6041.200	1864.000	6040.000	1941.000
GR	6050.800	1968.000	6049.800	1985.000	6050.400	2001.000	6049.600	2103.000	6048.900	2188.000
GR	6048.100	2269.000	6049.600	2290.000	6048.000	2323.000	6043.300	2342.000	6043.900	2363.000
GR	6036.600	2385.000	6037.200	2478.000	6044.000	2495.000	6044.300	2501.000	6046.900	2514.000
GR	6046.000	2549.000	6045.700	2599.000	6042.900	2645.000	6043.000	2655.000	6045.800	2689.000
GR	6046.600	2712.000	6045.700	2759.000	6044.000	2814.000	6044.800	2860.000	6045.200	2884.000
GR	6044.300	2923.000	6047.200	2970.000	6048.000	3026.000	6048.300	3103.000	6049.900	3280.000
GR	6051.000	3368.000	6053.000	3398.000	6060.600	3500.000	.000	.000	.000	.000
X1	19.000	30.000	2274.000	2406.000	1130.000	1120.000	1130.000	.000	.000	.000
X3	.000	.000	.000	.000	.000	2406.000	9999.900	.000	.000	.000

GR	6071.000	1000.000	6069.300	1086.000	6068.200	1204.000	6067.500	1264.000	6066.200	1333.000
GR	6065.700	1416.000	6065.900	1476.000	6064.600	1558.000	6064.700	1663.000	6064.800	1742.000
GR	6063.200	1853.000	6061.800	1940.000	6060.300	2034.000	6059.100	2131.000	6057.400	2205.000
GR	6058.000	2227.000	6058.600	2274.000	6052.900	2294.000	6052.500	2387.000	6059.700	2406.000
GR	6057.000	2430.000	6057.800	2498.000	6058.200	2578.000	6058.400	2660.000	6060.200	2744.000
GR	6061.900	2796.000	6067.300	2839.000	6073.600	2887.000	6079.500	2943.000	6085.000	3000.000
X1	20.000	31.000	1933.000	2069.000	690.000	690.000	690.000	.000	.000	.000
GR	6077.300	1000.000	6078.800	1029.000	6077.700	1034.000	6076.600	1125.000	6075.200	1221.000
GR	6074.300	1337.000	6073.000	1433.000	6071.600	1525.000	6069.500	1602.000	6068.200	1673.000
GR	6068.100	1756.000	6067.800	1828.000	6068.200	1901.000	6067.600	1933.000	6060.600	1949.000
GR	6060.700	2003.000	6060.800	2045.000	6067.100	2069.000	6067.800	2126.000	6067.300	2186.000
GR	6067.700	2266.000	6068.100	2300.000	6069.900	2335.000	6073.500	2369.000	6078.900	2401.000
GR	6083.400	2451.000	6089.300	2514.000	6090.800	2529.000	6097.900	2613.000	6102.100	2677.000
GR	6103.900	2733.000	.000	.000	.000	.000	.000	.000	.000	.000
QT	1.000	11530.000	.000	.000	.000	.000	.000	.000	.000	.000
NC	.020	.020	.020	.300	.500	.000	.000	.000	.000	.000
X1	21.000	17.000	1920.000	2120.000	640.000	600.000	620.000	.000	.000	.000
X3	.000	.000	.000	1920.000	9999.900	2120.000	9999.900	.000	.000	.000
GR	6091.400	1000.000	6086.200	1129.000	6087.400	1219.500	6086.100	1438.000	6085.200	1591.000
GR	6083.500	1735.000	6083.000	1868.000	6082.400	1920.000	6075.700	1920.500	6075.700	2120.000
GR	6080.200	2120.000	6079.100	2278.000	6078.600	2404.000	6079.900	2615.000	6083.800	2784.000

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GR	6086.100	2865.000	6086.400	3000.000	.000	.000	.000	.000	.000	.000
SB	1.150	1.500	2.500	.000	200.000	2.000	713.000	.000	.000	.000
X1	21.500	.000	.000	.000	100.000	100.000	100.000	.000	.000	.000
X2	.000	.000	1.000	6080.400	6080.200	.000	.000	.000	.000	.000
X3	.000	.000	.000	1920.000	9999.900	2120.000	9999.900	.000	.000	.000
BT	17.000	1000.000	6091.400	6091.400	1129.000	6089.200	6089.200	1249.000	6087.400	6087.400
BT	1438.000	6086.100	6086.100	1591.000	6085.200	6085.200	1735.000	6083.500	6083.500	1868.000
BT	6083.000	6083.000	1920.000	6082.400	6082.400	1920.000	6082.400	6080.400	2120.000	6080.200
BT	6078.200	2120.000	6080.200	6080.200	2278.000	6079.100	6079.100	2404.000	6078.600	6078.600
BT	2615.000	6079.900	6079.900	2784.000	6083.300	6083.300	2865.000	6086.100	6086.100	3000.000
BT	6086.400	6086.400	.000	.000	.000	.000	.000	.000	.000	.000
NC	.030	.030	.025	.100	.300	.000	.000	.000	.000	.000
X1	22.000	43.000	1926.000	2077.000	670.000	790.000	750.000	.000	.000	.000
X3	.000	.000	.000	.000	.000	2077.000	9999.900	.000	.000	.000
GR	6093.700	1000.000	6093.800	1103.000	6092.900	1220.000	6091.600	1238.000	6092.000	1261.000
GR	6091.500	1284.000	6090.800	1333.000	6090.900	1396.000	6090.200	1453.000	6090.000	1513.000
GR	6091.000	1560.000	6092.900	1587.000	6091.300	1631.000	6091.000	1674.000	6090.300	1732.000
GR	6090.100	1805.000	6091.000	1867.000	6091.800	1926.000	6082.400	1941.000	6082.400	2039.000
GR	6088.400	2053.000	6091.700	2077.000	6090.200	2127.000	6089.800	2178.000	6090.200	2246.000
GR	6089.800	2294.000	6088.300	2312.000	6088.000	2329.000	6090.000	2349.000	6090.100	2401.000
GR	6090.200	2454.000	6089.700	2497.000	6088.400	2529.000	6090.100	2555.000	6090.700	2573.000
GR	6088.900	2590.000	6087.200	2631.000	6087.800	2695.000	6087.400	2732.000	6086.900	2820.000
GR	6086.200	2881.000	6085.800	2941.000	6086.600	3000.000	.000	.000	.000	.000

X1	23.000	49.000	1943.000	2119.000	590.000	580.000	590.000	.000	.000	.000
GR	6104.000	1000.000	6103.400	1049.000	6103.700	1108.000	6103.600	1178.000	6103.400	1251.000
GR	6103.200	1306.000	6102.800	1354.000	6101.000	1405.000	6099.400	1437.000	6100.000	1450.000
GR	6099.200	1468.000	6096.600	1541.000	6098.900	1637.000	6098.900	1727.000	6098.600	1776.000
GR	6099.700	1799.000	6095.700	1821.000	6096.000	1867.000	6099.700	1891.000	6100.000	1924.000
GR	6102.700	1934.000	6098.500	1943.000	6090.800	1956.000	6091.100	2104.000	6095.400	2119.000
GR	6096.400	2135.000	6102.500	2156.000	6100.200	2192.000	6097.700	2218.000	6098.800	2257.000
GR	6098.500	2285.000	6098.900	2323.000	6099.700	2378.000	6100.700	2418.000	6100.700	2463.000
GR	6101.900	2516.000	6102.600	2552.000	6108.200	2591.000	6110.000	2619.000	6110.900	2654.000
GR	6115.200	2675.000	6116.400	2702.000	6115.200	2736.000	6114.700	2785.000	6117.000	2928.000
GR	6116.000	2877.000	6118.700	2931.000	6123.600	2980.000	6122.300	3000.000	.000	.000
X1	24.000	35.000	1804.000	2118.000	885.000	885.000	885.000	.000	.000	.000
GR	6113.600	1000.000	6115.200	1059.000	6115.700	1134.000	6117.900	1185.000	6119.000	1267.000
GR	6119.900	1329.000	6119.900	1409.000	6117.200	1454.000	6113.200	1488.000	6108.700	1571.000
GR	6108.700	1611.000	6110.200	1670.000	6111.300	1734.000	6114.800	1774.000	6115.800	1804.000
GR	6107.800	1828.000	6105.700	1842.000	6105.300	1896.000	6104.200	1940.000	6104.000	1991.000
GR	6104.300	2039.000	6104.100	2110.000	6111.000	2118.000	6118.700	2172.000	6123.000	2231.000
GR	6126.500	2305.000	6159.000	2420.000	6134.300	2563.000	6133.000	2572.000	6135.200	2594.000
GR	6138.400	2643.000	6143.200	2721.000	6148.800	2789.000	6157.400	2881.000	6168.600	3000.000
X1	25.000	40.000	1852.000	2151.000	1630.000	1370.000	1460.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	6150.200	1000.000	6150.700	1077.000	6151.300	1116.000	6149.500	1161.000	6148.100	1221.000
GR	6148.000	1271.000	6147.700	1319.000	6149.000	1363.000	6149.000	1410.000	6147.700	1442.000
GR	6142.200	1479.000	6135.000	1528.000	6132.400	1559.000	6131.100	1608.000	6131.800	1660.000
GR	6131.200	1712.000	6130.000	1753.000	6130.100	1811.000	6127.700	1821.000	6126.700	1852.000
GR	6124.100	1886.000	6123.700	1909.000	6122.300	1913.000	6122.500	1950.000	6123.100	2025.000

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GR	6122.800	2072.000	6122.600	2116.000	6124.900	2135.000	6131.700	2151.000	6140.600	2219.000
GR	6148.400	2285.000	6154.000	2350.000	6160.000	2404.000	6165.000	2458.000	6167.600	2524.000
GR	6170.300	2609.000	6172.200	2684.000	6177.900	2793.000	6182.000	2905.000	6184.400	3000.000
X1	26.000	40.000	1930.000	2231.000	900.000	960.000	930.000	.000	.000	.000
GR	6162.500	1000.000	6162.300	1027.000	6165.200	1046.000	6163.500	1066.000	6160.800	1103.000
GR	6157.100	1131.000	6155.400	1192.000	6154.700	1254.000	6154.100	1344.000	6153.900	1447.000
GR	6151.200	1511.000	6150.400	1569.000	6145.300	1592.000	6150.200	1621.000	6149.500	1647.000
GR	6147.500	1660.000	6146.400	1736.000	6146.200	1794.000	6145.200	1859.000	6145.600	1930.000
GR	6140.500	1944.000	6140.500	1986.000	6140.200	2062.000	6142.100	2067.000	6141.700	2112.000
GR	6142.500	2175.000	6144.400	2207.000	6145.300	2231.000	6154.200	2252.000	6160.300	2298.000
GR	6164.900	2342.000	6166.600	2390.000	6467.800	2501.000	6168.600	2562.000	6169.100	2587.000
GR	6165.600	2642.000	6163.900	2717.000	6161.200	2819.000	6160.100	2892.000	6159.900	3000.000
X1	27.000	45.000	1934.000	2143.000	1450.000	1180.000	1160.000	.000	.000	.000
GR	6169.500	1000.000	6170.000	1042.000	6174.300	1084.000	6176.600	1126.000	6178.200	1173.000
GR	6174.300	1202.000	6170.500	1249.000	6167.000	1294.000	6165.600	1329.000	6165.300	1369.000
GR	6163.600	1405.000	6163.600	1416.000	6164.800	1442.000	6165.200	1509.000	6165.000	1536.000
GR	6163.900	1556.000	6165.400	1583.000	6165.600	1614.000	6164.400	1624.000	6164.600	1665.000
GR	6165.400	1680.000	6164.600	1726.000	6164.200	1781.000	6166.600	1796.000	6166.300	1820.000
GR	6164.600	1855.000	6163.700	1871.000	6164.000	1934.000	6161.800	1945.000	6161.600	2027.000

GR	6161.700	2098.000	6165.600	2143.000	6166.600	2188.000	6172.500	2254.000	6173.900	2282.000
GR	6170.300	2388.000	6169.800	2454.000	6169.700	2540.000	6175.500	2621.000	6179.900	2686.000
GR	6182.300	2736.000	6179.700	2778.000	6179.700	2859.000	6179.600	2938.000	6179.400	3000.000
NC	.025	.025	.025	.300	.500	.000	.000	.000	.000	.000
QT	1.000	8530.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	28.000	20.000	2140.000	2500.000	870.000	820.000	850.000	.000	.000	.000
GR	6201.100	1000.000	6200.200	1084.000	6198.800	1208.000	6197.500	1298.000	6196.500	1378.000
GR	6195.200	1495.000	6193.700	1614.000	6192.500	1705.000	6191.100	1812.000	6189.600	1964.000
GR	6189.800	2048.000	6189.300	2140.000	6176.900	2140.500	6180.900	2500.000	6189.600	2500.500
GR	6189.600	2575.000	6189.600	2649.000	6189.800	2758.000	6190.100	2828.000	6191.900	3000.000
SB	1.050	1.500	2.500	.000	360.000	12.000	2140.000	.000	.000	.000
X1	28.500	.000	.000	.000	90.000	90.000	90.000	.000	.000	.000
X2	.000	.000	1.000	6185.200	6189.300	.000	.000	.000	.000	.000
BT	20.000	1000.000	6201.100	6201.100	1084.000	6200.200	6200.200	1208.000	6198.800	6198.800
BT	1298.000	6197.500	6197.500	1378.000	6196.500	6196.500	1495.000	6195.200	6195.200	1614.000
BT	6193.700	6193.700	1705.000	6192.500	6192.500	1812.000	6191.100	6191.100	1964.000	6139.600
BT	6189.600	2048.000	6189.300	6189.300	2140.000	6189.300	6189.300	2140.000	6189.300	6134.900
BT	2500.000	6189.600	6180.900	2500.000	6189.600	6189.600	2575.000	6189.600	6189.600	2649.000
BT	6189.000	6189.000	2758.000	6189.800	6189.800	2828.000	6190.100	6190.100	3000.000	6191.900
BT	6191.900	.000	.000	.000	.000	.000	.000	.000	.000	.000
NC	.030	.030	.025	.100	.300	.000	.000	.000	.000	.000
X1	29.000	55.000	1888.000	2160.000	1050.000	1050.000	1050.000	.000	.000	.000
GR	6214.500	1000.000	6214.500	1068.000	6214.700	1192.000	6214.700	1305.000	6214.600	1382.000
GR	6213.000	1440.000	6212.400	1486.000	6212.400	1539.000	6211.900	1587.000	6213.700	1601.000
GR	6211.600	1608.000	6214.100	1617.000	6206.400	1633.000	6209.100	1643.000	6208.300	1663.000
GR	6207.800	1685.000	6205.400	1695.000	6205.200	1732.000	6205.100	1749.000	6205.800	1756.000
GR	6205.700	1763.000	6204.800	1778.000	6205.300	1802.000	6204.400	1834.000	6199.300	1876.000
GR	6202.700	1888.000	6196.700	1933.000	6196.300	1957.000	6195.500	1987.000	6194.000	1992.000
GR	6194.000	2025.000	6193.000	2064.000	6194.400	2118.000	6196.700	2131.000	6206.500	2160.000
GR	6208.100	2230.000	6208.100	2300.000	6208.200	2340.000	6208.600	2397.000	6209.100	2447.000

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GR	6206.100	2459.000	6203.000	2479.000	6207.800	2496.000	6210.000	2515.000	6207.900	2552.000
GR	6206.300	2619.000	6206.000	2684.000	6208.100	2769.000	6209.000	2823.000	6208.600	2871.000
GR	6208.600	2906.000	6208.500	2926.000	6208.000	2949.000	6207.200	2976.000	6206.700	3000.000
X1	30.000	40.000	2060.000	2246.000	1220.000	1280.000	1230.000	.000	.000	.000
GR	6226.700	1000.000	6226.900	1076.000	6227.500	1153.000	6227.500	1175.000	6226.300	1199.000
GR	6227.900	1244.000	6229.300	1340.000	6231.700	1469.000	6233.000	1564.000	6232.500	1609.000
GR	6231.500	1716.000	6230.100	1770.000	6230.100	1782.000	6228.800	1847.000	6229.100	1882.000
GR	6227.500	1933.000	6225.200	1994.000	6217.500	2060.000	6215.500	2126.000	6213.000	2141.000
GR	6212.800	2182.000	6212.800	2213.000	6228.600	2246.000	6231.600	2264.000	6231.700	2282.000
GR	6229.900	2302.000	6230.700	2319.000	6229.400	2338.000	6231.100	2349.000	6232.400	2362.000
GR	6229.800	2369.000	6231.300	2434.000	6231.800	2493.000	6230.100	2580.000	6227.400	2672.000
GR	6223.800	2799.000	6222.400	2903.000	6224.400	2956.000	6222.600	2974.000	6222.700	3000.000
NC	.025	.050	.020	.300	.500	.000	.000	.000	.000	.000
X1	31.000	14.000	2230.000	2240.700	800.000	740.000	730.000	.000	.000	.000

X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	6249.600	1000.000	6250.200	1216.000	6251.700	1546.000	6250.100	1710.000	6246.300	1840.000
GR	6242.600	1968.000	6240.500	2094.000	6238.100	2230.000	6232.100	2230.500	6232.100	2240.000
GR	6238.100	2240.700	6240.000	2340.000	6250.000	2980.000	6260.000	3200.000	.000	.000
SB	.000	1.500	2.500	.000	10.700	.000	32.000	.000	.000	.000
X1	31.500	.000	.000	.000	40.000	40.000	40.000	.000	.000	.000
X2	.000	.000	1.000	6235.100	6240.000	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
BT	14.000	1000.000	6249.600	6249.600	1216.000	6250.200	6250.000	1546.000	6251.700	6251.700
BT	1710.000	6250.100	6250.100	1840.000	6246.300	6246.300	1968.000	6242.600	6242.600	2094.000
BT	6240.500	6240.500	2230.000	6238.100	6238.100	2230.000	6238.100	6235.100	2240.700	6238.100
BT	6235.100	2240.700	6238.100	6238.100	2340.000	6240.000	6240.000	2980.000	6250.000	6250.000
BT	3200.000	6260.000	6260.000	.000	.000	.000	.000	.000	.000	.000
NC	.030	.050	.025	.100	.300	.000	.000	.000	.000	.000
X1	32.000	40.000	2006.000	2103.000	1080.000	1100.000	1090.000	.000	.000	.000
X3	.000	.000	.000	1944.000	9999.900	2415.000	9999.900	.000	.000	.000
GR	6257.900	1000.000	6257.600	1131.000	6255.300	1323.000	6255.800	1346.000	6254.900	1362.000
GR	6256.100	1373.000	6255.600	1376.000	6256.600	1387.000	6256.700	1397.000	6255.200	1420.000
GR	6254.200	1430.000	6255.500	1437.000	6255.100	1460.000	6253.700	1508.000	6253.200	1552.000
GR	6252.600	1602.000	6252.400	1663.000	6255.700	1685.000	6254.800	1799.000	6256.100	1885.000
GR	6257.100	1937.000	6257.100	1944.000	6254.000	1969.000	6254.000	1989.000	6249.800	2006.000
GR	6247.100	2020.000	6247.100	2064.000	6259.100	2103.000	6262.500	2157.000	6261.700	2192.000
GR	6260.000	2220.000	6260.300	2238.000	6259.500	2256.000	6260.400	2265.000	6261.400	2286.000
GR	6262.900	2344.000	6262.900	2415.000	6261.500	2438.000	6260.200	2487.000	6260.800	2500.000
NC	.030	.030	.025	.100	.300	.000	.000	.000	.000	.000
X1	33.000	45.000	1761.000	1888.000	1250.000	1270.000	1260.000	.000	.000	.000
GR	6277.900	1000.000	6277.500	1014.000	6277.000	1026.000	6278.000	1027.000	6277.200	1034.000
GR	6278.200	1041.000	6277.400	1053.000	6275.900	1097.000	6275.900	1142.000	6278.100	1178.000
GR	6278.500	1234.000	6278.500	1305.000	6278.300	1353.000	6278.200	1400.000	6276.700	1421.000
GR	6275.500	1449.000	6275.900	1519.000	6276.500	1568.000	6277.100	1597.000	6276.000	1614.000
GR	6276.000	1622.000	6274.000	1646.000	6274.700	1657.000	6274.300	1707.000	6272.500	1745.000
GR	6273.800	1750.000	6273.100	1761.000	6267.500	1776.000	6268.100	1792.000	6267.500	1813.000
GR	6268.500	1851.000	6270.200	1861.000	6279.200	1888.000	6279.800	1899.000	6289.500	1907.000
GR	6291.000	1932.000	6295.700	1947.000	6295.500	1965.000	6303.500	1988.000	6310.000	2020.000
GR	6312.500	2067.000	6323.500	2086.000	6324.600	2106.000	6322.900	2141.000	6323.200	2200.000

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NC	.020	.020	.020	.300	.500	.000	.000	.000	.000	.000
X1	34.000	8.000	1550.000	1565.000	1430.000	1480.000	1490.000	.000	.000	.000
GR	6304.000	1000.000	6302.000	1300.000	6298.000	1310.000	6296.000	1480.000	6291.600	1550.000
GR	6291.600	1565.000	6306.000	1670.000	6310.000	1900.000	.000	.000	.000	.000
QT	1.000	8210.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	35.000	22.000	1900.000	2030.000	500.000	450.000	480.000	.000	.000	.000
GR	6314.500	1000.000	6313.800	1095.000	6312.500	1252.000	6311.900	1369.000	6311.100	1477.000
GR	6310.700	1622.000	6311.300	1722.000	6311.700	1846.000	6311.800	1900.000	6301.200	1900.500
GR	6301.200	2030.000	6311.800	2030.500	6312.100	2069.000	6313.100	2227.000	6313.100	2292.000

GR	6313.100	2353.000	6312.000	2369.000	6313.300	2408.000	6316.300	2450.000	6316.400	2471.000
GR	6314.300	2486.000	6314.900	2500.000	.000	.000	.000	.000	.000	.000
SB	1.050	1.500	2.500	.000	130.000	6.000	893.000	.000	.000	.000
X1	35.500	.000	.000	.000	60.000	60.000	60.000	.000	.000	.000
X2	.000	.000	1.000	6308.400	6311.800	.000	.000	.000	.000	.000
BT	22.000	1000.000	6314.500	6314.500	1095.000	6313.800	6313.800	1252.000	6312.500	6312.500
BT	1369.000	6311.900	6311.900	1477.000	6311.100	6311.100	1622.000	6310.700	6310.700	1722.000
BT	6311.300	6311.300	1846.000	6311.700	6311.700	1900.000	6311.800	6311.800	1900.000	6311.800
BT	6308.400	2030.000	6311.800	6308.400	2030.000	6311.800	6311.800	2069.000	6312.100	6312.100
BT	2227.000	6313.100	6313.100	2292.000	6313.100	6313.100	2353.000	6313.100	6313.100	2369.000
BT	6312.000	6312.000	2408.000	6313.300	6313.300	2450.000	6316.300	6316.300	2471.000	6316.400
BT	6316.400	2486.000	6314.300	6314.300	2500.000	6314.900	6314.900	.000	.000	.000
NC	.030	.030	.025	.100	.300	.000	.000	.000	.000	.000
X1	36.000	50.000	1734.000	1805.000	1050.000	1120.000	1060.000	.000	.000	.000
GR	6325.000	1000.000	6325.500	1060.000	6326.200	1121.000	6326.200	1148.000	6327.700	1174.000
GR	6326.600	1181.000	6327.100	1185.000	6327.400	1210.000	6327.100	1221.000	6326.100	1232.000
GR	6327.400	1251.000	6326.700	1274.000	6326.900	1281.000	6326.000	1287.000	6326.100	1309.000
GR	6325.600	1348.000	6325.000	1400.000	6323.900	1432.000	6321.900	1504.000	6323.300	1541.000
GR	6323.000	1575.000	6321.800	1616.000	6322.000	1670.000	6322.200	1709.000	6322.300	1734.000
GR	6319.100	1740.000	6318.600	1767.000	6318.700	1795.000	6324.200	1805.000	6325.500	1823.000
GR	6325.200	1848.000	6325.700	1872.000	6328.800	1894.000	6327.200	1912.000	9327.100	1967.000
GR	6325.800	2039.000	6325.800	2056.000	6327.300	2083.000	6328.300	2144.000	6328.900	2188.000
GR	6330.800	2195.000	6328.800	2212.000	6330.800	2269.000	6331.000	2305.000	6329.000	2317.000
GR	6331.100	2339.000	6331.200	2407.000	6330.100	2449.000	6328.200	2479.000	6328.800	2500.000
NC	.035	.030	.025	.300	.500	.000	.000	.000	.000	.000
SB	.000	1.500	2.500	100.000	12.000	.000	30.000	.000	.000	.000
X1	37.000	13.000	2740.000	2752.000	940.000	920.000	930.000	.000	.000	.000
X2	.000	.000	1.000	6335.700	6339.500	.000	.000	.000	.000	.000
X3	.000	.000	.000	2100.000	9999.900	2800.000	9999.900	.000	.000	.000
BT	13.000	1000.000	6350.000	6350.000	1650.000	6340.000	6340.000	1770.000	6346.000	6346.000
BT	2000.000	6340.000	6340.000	2100.000	6345.000	6345.000	2650.000	6344.000	6344.000	2740.000
BT	6340.200	6340.200	2740.000	6340.200	6335.700	2752.000	6340.200	6335.700	2752.000	6340.000
BT	6340.200	2800.000	6344.500	6344.500	2870.000	6343.000	6343.000	3800.000	6350.000	6350.000
GR	6350.000	1000.000	6340.000	1650.000	6346.000	1770.000	6340.000	2000.000	6345.000	2100.000
GR	6344.000	2650.000	6340.200	2740.000	6333.200	2740.000	6333.200	2752.000	6340.200	2752.000
GR	6344.500	2800.000	6343.000	2870.000	6350.000	3800.000	.000	.000	.000	.000

1

NC	.030	.030	.025	.100	.300	.000	.000	.000	.000	.000
X1	38.000	55.000	1766.000	1978.000	1120.000	1180.000	1150.000	.000	.000	.000
GR	6360.400	1000.000	6359.200	1076.000	6360.000	1116.000	6359.400	1135.000	6359.400	1156.000
GR	6361.400	1181.000	6361.400	1208.000	6360.400	1231.000	6359.400	1250.000	6358.100	1270.000
GR	6358.400	1296.000	6359.400	1334.000	6360.500	1386.000	6361.000	1436.000	6360.700	1476.000
GR	6360.700	1481.000	6360.900	1562.000	6360.600	1573.000	6361.200	1606.000	6360.000	1637.000
GR	6361.200	1660.000	6361.200	1704.000	6360.800	1723.000	6362.200	1740.000	6357.100	1766.000
GR	6350.600	1802.000	6350.900	1821.000	6351.400	1849.000	6352.200	1860.000	6351.900	1876.000
GR	6352.200	1898.000	6352.300	1912.000	6351.000	1917.000	6351.000	1929.000	6351.600	1938.000

GR	6351.700	1955.000	6356.400	1978.000	6364.300	2014.000	6362.500	2024.000	6363.400	2054.000
GR	6363.400	2080.000	6368.800	2103.000	6368.800	2146.000	6368.900	2194.000	6368.800	2236.000
GR	6369.000	2259.000	6367.700	2269.000	6367.600	2310.000	6367.600	2352.000	6367.400	2396.000
GR	6367.800	2438.000	6367.600	2479.000	6368.000	2489.000	6368.000	2494.000	6368.100	2500.000
QT	1.000	7590.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	39.000	40.000	1919.000	2168.000	950.000	900.000	950.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	6390.000	1000.000	6388.300	1044.000	6385.500	1103.000	6384.200	1138.000	6383.300	1170.000
GR	6333.200	1175.000	6382.500	1235.000	6381.700	1286.000	6380.600	1303.000	6378.000	1329.000
GR	6377.700	1377.000	6377.800	1459.000	6377.900	1525.000	6378.200	1577.000	6378.100	1602.000
GR	6377.100	1622.000	6378.400	1707.000	6378.400	1764.000	6374.500	1919.000	6371.600	1973.000
GR	6370.400	2001.000	6370.100	2041.000	6370.600	2078.000	6374.100	2168.000	6376.400	2195.000
GR	6378.900	2238.000	6379.200	2292.000	6380.200	2356.000	6380.200	2413.000	6381.300	2473.000
GR	6381.800	2519.000	6381.500	2550.000	6382.100	2571.000	6381.700	2592.000	6382.000	2632.000
GR	6381.400	2703.000	6380.700	2791.000	6360.400	2875.000	6380.100	2942.000	6380.100	3000.000
QT	1.000	6962.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	42.000	13.000	1048.000	1452.000	3300.000	3300.000	3325.000	.000	.000	.000
GR	6430.000	1000.000	6428.000	1010.000	6426.000	1028.000	6424.000	1035.000	6422.000	1042.000
GR	6420.000	1048.000	6418.000	1052.000	6416.000	1055.000	6416.000	1068.000	6417.000	1240.000
GR	6418.000	1448.000	6420.000	1452.000	6421.000	1490.000	.000	.000	.000	.000
X1	43.000	25.000	1410.000	1600.000	1200.000	900.000	1050.000	.000	.000	.000
GR	6440.000	1000.000	6438.000	1025.000	6436.000	1057.000	6434.000	1122.000	6432.000	1135.000
GR	6430.500	1190.000	6431.000	1248.000	6430.000	1305.000	6429.500	1320.000	6430.000	1339.000
GR	6430.400	1410.000	6430.000	1470.000	6429.500	1490.000	6429.500	1525.000	6430.000	1528.000
GR	6432.000	1600.000	6433.500	1660.000	6432.000	1715.000	6432.000	1735.000	6434.000	1752.000
GR	6436.000	1765.000	6438.000	1778.000	6438.000	1805.000	6438.000	1822.000	6440.000	1835.000
X1	44.000	16.000	1050.000	1150.000	1100.000	1250.000	1300.000	.000	.000	.000
GR	6460.000	1000.000	6450.000	1040.000	6446.000	1050.000	6444.000	1053.000	6443.000	1070.000
GR	6444.000	1095.000	6445.700	1150.000	6444.000	1200.000	6444.000	1260.000	6444.000	1318.000
GR	6446.000	1325.000	6448.000	1330.000	6450.000	1340.000	6450.000	1365.000	6450.000	1465.000
GR	6452.000	1505.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	45.000	13.000	1038.000	1212.000	750.000	800.000	775.000	.000	.000	.000
GR	6470.000	1000.000	6460.000	1028.000	6458.000	1038.000	6456.000	1105.000	6455.800	1115.000
GR	6455.800	1185.000	6456.000	1205.000	6458.000	1212.000	6460.000	1218.000	6460.200	1225.000
GR	6460.000	1235.000	6459.500	1265.000	6460.000	1300.000	.000	.000	.000	.000

X1	46.000	21.000	1255.000	1580.000	1400.000	1250.000	1350.000	.000	.000	.000
GR	6480.000	1000.000	6478.000	1015.000	6476.000	1030.000	6474.000	1055.000	6473.000	1135.000
GR	6472.200	1245.000	6470.000	1340.000	6472.500	1420.000	6472.100	1485.000	6472.100	1550.000
GR	6474.000	1580.000	6474.500	1618.000	6474.000	1645.000	6473.000	1710.000	6473.800	1745.000
GR	6472.000	1770.000	6471.500	1780.000	6472.000	1786.000	6473.000	1880.000	6474.000	1985.000
GR	6476.000	2000.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	47.000	26.000	1379.000	1748.000	800.000	825.000	800.000	.000	.000	.000

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GR   6490.000   1000.000   6488.000   1016.000   6486.000   1039.000   6484.000   1095.000   6484.000   1111.000
GR   6485.800   1210.000   6484.000   1221.000   6484.000   1232.000   6484.700   1285.000   6484.000   1325.000
GR   6484.000   1379.000   6482.000   1462.000   6480.900   1470.000   6482.000   1532.000   6483.700   1597.000
GR   6482.000   1687.000   6482.200   1738.000   6484.000   1748.000   6484.000   1804.000   6482.300   1822.000
GR   6483.400   1905.000   6482.000   1990.000   6482.000   2054.000   6484.000   2070.000   6486.000   2191.000
GR   6486.000   2321.000       .000       .000       .000       .000       .000       .000       .000       .000

X1     48.000     27.000   1720.000   1972.000   1000.000    900.000   1000.000       .000       .000       .000
GR   6510.000   1000.000   6508.000   1027.000   6506.000   1053.000   6504.000   1078.000   6502.000   1102.000
GR   6502.000   1120.000   6502.000   1312.000   6503.900   1346.000   6502.000   1515.000   6500.000   1595.000
GR   6498.000   1615.000   6496.100   1655.000   6496.000   1720.000   6494.600   1734.000   6494.600   1775.000
GR   6495.600   1972.000   6494.000   2107.000   6492.200   2124.000   6494.000   2132.000   6496.000   2143.000
GR   6496.000   2225.000   6494.000   2245.000   6492.400   2290.000   6494.000   2347.000   6496.000   2359.000
GR   6498.000   2387.000   6500.000   2397.000       .000       .000       .000       .000       .000       .000

X1     49.000     16.000   1240.000   1365.000   1400.000   1000.000   1175.000       .000       .000       .000
GR   6521.100   1000.000   6520.000   1076.000   6518.000   1085.000   6512.000   1111.000   6511.400   1193.000
GR   6510.000   1240.000   6509.300   1268.000   6509.000   1319.000   6510.000   1365.000   6512.000   1442.000
GR   6512.000   1546.000   6514.000   1888.000   6516.000   1915.000   6516.000   1945.000   6518.000   1982.000
GR   6520.000   2010.000       .000       .000       .000       .000       .000       .000       .000       .000
EJ       .000       .000       .000       .000       .000       .000       .000       .000       .000       .000
1
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        QLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 *PROF 1

 CCHV=    .100 CEHV=    .300
 *SECNO 1.000

 3265 DIVIDED FLOW

 3720 CRITICAL DEPTH ASSUMED
      1.00      5.10  5800.60  5800.60  5786.80  5801.96     1.36      .00      .00  5799.70
    15620.        0.       0.  15620.        0.       0.  1668.        0.       0.  5861.00
       .00       .00       .00     9.36     .030     .025     .030     .000  5795.50  1252.92
   .008223     1210.     1150.     1150.        0       20        0      .00   666.74  2042.69
0
 CCHV=    .300 CEHV=    .500
 *SECNO 2.000

 3301 HV CHANGED MORE THAN HVINS

 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
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 3470 ENCROACHMENT STATIONS=    1946.0    2106.0  TYPE=     1  TARGET=     160.000
  ELENCL=   9999.90  ELENCR=   9999.90
      2.00     6.65  5820.35  5820.35      .00  5823.71     3.36     8.05     1.00  5826.10
    15620.       0.   15620.       0.       0.    1062.       0.      39.      12.   9999.90
       .02      .00    14.71      .00     .020     .025     .020     .000  5813.70  1946.23
   .005446    1200.    1130.    1300.       20       11        0      .00   159.77  2106.00
0

 SPECIAL BRIDGE

 5070,VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED
 5227 DOWNSTREAM ELEV IS   5819.56 ,NOT   5820.35 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

 SB  XK        XKOR      COFQ      RDLEN     BWC       BWP       BAREA     SS        ELCHU     ELCHD
      1.25      1.50      2.50       .00    160.00      4.00   1560.00       .00   5813.70   5813.70

 *SECNO 2.500

 3301 HV CHANGED MORE THAN HVINS

1
  11/13/85    15:10:53                                                                                    PAGE   14


    SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        QLOSS    BANK ELEV
    Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
    TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
    SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 CLASS B LOW FLOW

 3420 BRIDGE W.S.=   5820.48 BRIDGE VELOCITY=,     14.77      CALCULATED CHANNEL AREA=,     1057.

  EGPRS      EGLWC       H3       QWEIR      QLOW      BAREA   TRAPEZOID      ELLC      ELTRD
                                                                  AREA
    5822.69   5824.01       .00        0.    15620.     1560.     1560.     5823.70   5826.10



 3470 ENCROACHMENT STATIONS=    1946.0    2106.0  TYPE=     1  TARGET=     160.000
  ELENCL=   9999.90  ELENCR=   9999.90
      2.50     7.98  5821.68      .00      .00  5824.01     2.34      .30      .00  5826.10
    15620.       0.   15620.       0.       0.    1274.       0.      39.      12.   9999.90
       .02      .00    12.26      .00     .000     .025     .000     .000  5813.70  1946.18
   .003028      25.      25.      25.        0        0        0      .00   159.82  2106.00
0
 CCHV=    .100 CEHV=    .300
 *SECNO 3.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
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 3470 ENCROACHMENT STATIONS=    1803.0    2188.0  TYPE=     1  TARGET=     385.000
  ELENCL=   9999.90  ELENCR=   9999.90
      3.00     4.83  5830.43  5830.43      .00  5832.31     1.88     2.98      .05  5829.70
    15620.       0.       0.  15620.       0.       0.    1418.      59.      16.   9999.90
       .04      .00      .00    11.02     .030     .025     .030     .000  5825.60  1803.00
   .008142     630.     625.     650.       20       14        0      .00   383.06  2186.06
0
 CCHV=    .300 CEHV=    .500
 *SECNO 4.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     5845.00 ELREA=     5834.80

      4.00     5.84  5835.24  5835.24      .00  5836.88     1.64     3.11      .07  5845.00
    15620.       0.  15620.       0.       0.    1520.       0.      73.      20.   5834.80
       .05      .00    10.27      .05     .025     .025     .025     .000  5829.40  2100.19
   .006612     440.     430.     420.        3       11        0      .00   484.83  2585.02
0
1
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    SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
    Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
    TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
    SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


 SPECIAL BRIDGE

 5070,VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED
 SB  XK        XKOR      CDFQ      RDLEN     BWC       BWP       BAREA     SS        ELCHU     ELCHD
      1.20      1.50      2.50       .00    485.00     37.00   4930.00       .00   5829.40   5829.40

 *SECNO 4.500
 1860 XLCEL OF   5841.30 EXCEEDS RDEL OF   5841.20

 3301 HV CHANGED MORE THAN HVINS

 CLASS A LOW FLOW

 3420 BRIDGE W.S.=   5835.13 BRIDGE VELOCITY=,      6.09      CALCULATED CHANNEL AREA=,     2567.

  EGPRS      EGLWC       H3       QWEIR      QLOW      BAREA   TRAPEZOID      ELLC      ELTRD
                                                                  AREA
        .00   5837.19      1.03        0.    15620.     4930.     7347.     5845.80   5845.80


 3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     5845.00 ELREA=     5834.80
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     4.50     6.87  5836.27      .00      .00  5837.19      .93      .32      .00  5845.00
    15620.       0.   15620.       0.       0.    2020.       0.      74.      20.   5834.80
      .05      .00     7.73      .03     .000     .025     .025     .000  5829.40  2100.17
   .002573      10.      10.      10.        0        0        0      .00   484.89  2585.06
0
 CCHV=    .100 CEHV=    .300
 *SECNO 5.000

 3301 HV CHANGED MORE THAN HVINS

 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=    1806.0    2786.0  TYPE=     1  TARGET=     980.000
  ELENCL=   9999.90  ELENCR=   9999.90
     5.00     7.26  5846.66  5846.66      .00  5849.59     2.94     3.19      .60  5847.40
    15620.       0.   14128.    1492.       0.     991.     198.     109.      28.   5842.00
      .07      .00    14.25     7.54     .030     .025     .030     .000  5839.40  1929.65
   .004560     970.     950.     940.       20        8        0      .00   205.60  2135.25
0
1
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    SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS    BANK ELEV
    Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA    LEFT/RIGHT
    TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
    SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


 *SECNO 6.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
     6.00     6.55  5856.35  5856.35      .00  5859.15     2.80     4.25      .01  5853.40
    15620.      68.   15498.      54.      16.    1151.      17.     133.      32.   5854.60
      .09     4.39    13.47     3.17     .030     .025     .030     .000  5849.80  1771.42
   .004907     930.     900.     880.       20       11        0      .00   227.08  1998.50
0
 CCHV=    .300 CEHV=    .500

 SPECIAL BRIDGE

 5070,VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED
 5227 DOWNSTREAM ELEV IS   5855.32 ,NOT   5856.35 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

 SB  XK        XKOR      COFQ      RDLEN     BWC       BWP       BAREA     SS        ELCHU     ELCHD
      1.05      1.50      2.50       .00    160.00      9.20    755.00       .00   5849.80   5849.80

 *SECNO 7.000
 1860 XLCEL OF   5876.30 EXCEEDS RDEL OF   5876.00
  PRESS FLOW BECAUSE EGLWC OF   6014.88  EXCEEDS 1.5 DEPTH
```

PRESSURE FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD
5866.32	6014.88	.00	0.	15620.	755.	3046.	5870.00	5876.00

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3710 WSEL ASSUMED BASED ON MIN DIFF

7.00	6.83	5871.83	.00	.00	5875.02	3.18	.00	.00	5876.00
15620.	0.	15619.	1.	0.	1091.	1.	157.	36.	5865.00
.11	.00	14.32	1.18	.000	.020	.020	.000	5865.00	1920.19
.003023	900.	900.	900.	20	0	0	.00	160.12	2080.31

0

SPECIAL BRIDGE

1

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SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

5070,VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED
5227 DOWNSTREAM ELEV IS 5870.52 ,NOT 5871.83 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.05	1.50	2.50	.00	160.00	9.20	1131.00	.00	5865.00	5865.00

*SECNO 7.500
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD
5876.28	5876.03	.00	991.	14733.	1131.	1237.	5873.20	5876.00

7.50	7.34	5873.04	.00	.00	5875.79	2.75	.77	.00	5876.00
15620.	0.	15620.	0.	0.	1174.	0.	159.	36.	5865.70
.11	.00	13.31	.39	.000	.020	.020	.000	5865.70	1920.03
.002386	90.	90.	90.	4	0	3	.00	160.04	2080.07

0
CCHV= .100 CEHV= .300
*SECNO 8.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

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 3470 ENCROACHMENT STATIONS=    1883.0    3000.0  TYPE=     1  TARGET=   -1883.000
  ELENCL=   9999.90  ELENCR= 100000.00
      8.00     5.96  5882.16  5882.16     .00  5884.83     2.67     2.55      .01  5883.60
    15620.       0.   15617.       3.      0.    1192.       5.      179.     40.   5881.90
       .12      .00    13.11      .64     .030     .025     .050     .000  5876.20  1887.25
   .005233     750.     750.     750.      20       15        0      .00   251.72  2138.97
0
 *SECNO 9.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     5904.10 ELREA=     5904.60

      9.00     6.62  5902.82  5902.82     .00  5905.55     2.73     8.13      .02  5904.10
    15620.       0.   15620.       0.      0.    1178.       0.      221.     48.   5904.60
       .16      .00    13.26      .00     .030     .025     .050     .000  5896.20  1906.30
   .005324    1550.    1540.    1550.      20        8        0      .00   217.23  2123.52
0
1
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    SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
    Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
    TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
    SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 CCHV=    .300 CEHV=    .500
 *SECNO 10.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
     10.00     4.94  5918.44  5918.44     .00  5920.93     2.49     4.81      .07  5929.00
    15620.       0.   15620.       0.      0.    1234.       0.      252.     54.   5913.50
       .18      .00    12.66      .28     .030     .020     .050     .000  5913.50  1550.34
   .003540    1000.    1120.    1250.      20       15        0      .00   249.79  1800.13
0

 SPECIAL BRIDGE

 5070,VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED
 5227 DOWNSTREAM ELEV IS   5917.54 ,NOT   5918.44 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

 SB  XK        XKOR      CDFQ      RDLEN     BWC       BWP       BAREA     SS        ELCHU     ELCHD
      1.05      1.50      2.50       .00    270.00     10.00   3135.00       .00   5913.50   5913.50

 *SECNO 10.500
 1860 XLCEL OF   5933.50 EXCEEDS RDEL OF   5929.00
  PRESS FLOW BECAUSE EGLWC OF   5921.13  EXCEEDS 1.5 DEPTH
 6110 EGLWC OF 5919.02 LESS THAN XEG OF 5920.93
```

PRESSURE FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD
5919.02	5921.13	.00	0.	15620.	3135.	-22620.	5826.50	5929.00

10.50	5.11	5918.61	.00	.00	5920.93	2.32	.00	.00	5929.00
15620.	0.	15620.	0.	0.	1277.	0.	257.	55.	5913.50
.18	.00	12.23	.27	.000	.020	.050	.000	5913.50	1550.33
.003156	170.	150.	160.	3	0	0	.00	249.80	1800.13

0
CCHV= .100 CEHV= .300
*SECNO 11.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

11.00	5.77	5932.77	5932.77	.00	5934.96	2.19	3.36	.01	5934.80
15620.	0.	15620.	0.	0.	1316.	0.	281.	60.	5937.80
.20	.00	11.87	.00	.030	.025	.030	.000	5927.00	1865.34
.005687	900.	810.	700.	20	8	0	.00	302.29	2167.62

0
1
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SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

CCHV= .300 CEHV= .500
*SECNO 12.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

12.00	6.93	5953.93	5953.93	.00	5957.44	3.50	4.38	.66	5959.50
15620.	0.	15620.	0.	0.	1040.	0.	316.	67.	5959.50
.23	.00	15.02	.00	.016	.016	.016	.000	5947.00	1830.00
.002226	1300.	1300.	1300.	20	11	0	.00	150.00	1980.00

0

SPECIAL BRIDGE

5070,VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED
5227 DOWNSTREAM ELEV IS 5952.78 ,NOT 5953.93 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD

```
     1.05      1.50      2.60       .00    150.00      8.33   1025.40       .00   5947.00   5947.00

 *SECNO 12.500

 3301 HV CHANGED MORE THAN HVINS

 PRESSURE FLOW


  EGPRS      EGLWC       H3       QWEIR      QPR       BAREA   TRAPEZOID      ELLC      ELTRD
                                                                 AREA
    5959.34   5958.13       .00        0.    15620.     1025.      992.     5954.00   5959.50


     12.50    10.93  5957.93       .00       .00  5959.34     1.41     1.90       .00  5959.50
    15620.       0.   15620.        0.        0.    1639.       0.      319.      67.   5959.50
       .23      .00     9.53       .00      .000     .016      .000     .000  5947.00  1830.00
   .000520     100.     100.      100.         3        0         0      .00   150.00  1980.00
0
 *SECNO 13.000

 3301 HV CHANGED MORE THAN HVINS

1
  11/13/85    15:10:53                                                                    PAGE   20


    SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
    Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA`  LEFT/RIGHT
    TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
    SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=        .0    2657.0  TYPE=     1  TARGET=    2656.999
     13.00      5.74  5962.34  5962.34       .00  5964.58     2.24       .48       .41  5963.40
    15620.        0.   15620.        0.        0.    1301.       0.      336.      70.   9999.90
       .24       .00     12.01       .00      .016     .016      .016     .000  5956.60  2343.75
   .002330       500.      500.      500.        20       11         0      .00   295.13  2638.87
0
 *SECNO 14.000

 3301 HV CHANGED MORE THAN HVINS

 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=        .0    1851.0  TYPE=     1  TARGET=    1850.999
     14.00      6.65  5978.05  5978.05       .00  5980.99     2.94      2.39       .35  5981.40
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   15620.       0.   15620.       0.       0.    1135.       0.     366.      76.   9999.90
      .26      .00    13.76      .00     .016     .016     .016     .000  5971.40  1630.88
   .002105    1070.    1080.    1080.       20        8        0      .00   193.34  1824.23
0
 CCHV=    .300 CEHV=    .500
 *SECNO 15.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     6005.90 ELREA=     5989.70

    15.00     5.57  5995.27  5995.27      .00  5998.05     2.78     3.11      .05  6005.90
   15620.       0.   15620.       0.       0.    1167.       1.     397.      81.   5989.70
      .29      .00    13.38      .73     .025     .020     .025     .000  5989.70  1900.33
   .003402    1200.    1180.    1150.       20       11        0      .00   209.86  2110.19
0
1
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    SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
    Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
    TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
    SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST



 SPECIAL BRIDGE

 5070,VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED
 5227 DOWNSTREAM ELEV IS   5994.82 ,NOT   5995.27 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

 SB  XK        XKOR      COFQ      RDLEN     BWC       BWP       BAREA     SS        ELCHU     ELCHD
      1.05      1.50      2.50       .00    210.00      2.00   1750.00       .00   5989.70   5989.70

 *SECNO 15.500

 3301 HV CHANGED MORE THAN HVINS

 CLASS B LOW FLOW

 3420 BRIDGE W.S.=   5995.29 BRIDGE VELOCITY=,     13.42      CALCULATED CHANNEL AREA=,     1164.

  EGPRS      EGLWC       H3       QWEIR      QLOW      BAREA   TRAPEZOID      ELLC      ELTRD
                                                                  AREA
    5997.12   5998.15       .00        0.    15620.     1750.     1747.     5998.10   6004.20



 3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     6005.90 ELREA=     5989.70

    15.50     6.21  5995.92      .00      .00  5998.15     2.23      .10      .00  6005.90
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   15620.       0.   15620.       0.       0.    1303.       1.     401.      82.   5989.70
     .29      .00    11.99      .65     .000     .020     .025     .000  5989.70  1900.31
  .002368     130.     130.     130.        0        0        0      .00   209.91  2110.21
0
 CCHV=    .100 CEHV=    .300
 *SECNO 16.000

 3301 HV CHANGED MORE THAN HVINS

 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
    16.00      7.47  6008.07  6008.07      .00  6011.27     3.20     2.45      .29  6009.60
   15620.       0.   15620.       0.       0.    1088.       0.     421.      85.   6010.60
     .31      .00    14.35      .00     .030     .025     .030     .000  6000.60  2417.39
  .005121     730.     730.     730.       20       11        0      .00   172.68  2590.08
0
1
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    SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        QLOSS    BANK ELEV
    Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
    TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
    SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 *SECNO 17.000

 3301 HV CHANGED MORE THAN HVINS

 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
    17.00      5.84  6026.14  6026.14      .00  6028.67     2.53     5.59      .07  6024.00
   15620.      322.   15298.       0.      69.    1188.       0.     452.      91.   6027.30
     .33      4.64    12.88      .00     .030     .025     .030     .000  6020.30  1849.30
  .004783    1130.    1130.    1130.       20       15        0      .00   260.70  2110.01
0
 *SECNO 18.000

 3265 DIVIDED FLOW

 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=    1968.0    3500.0  TYPE=     1  TARGET=   -1968.000
  ELENCL=   9999.90  ELENCR= 100000.00
    18.00      8.09  6044.69  6044.69      .00  6047.08     2.39     5.06      .01  6043.90
   11530.       81.   11213.      236.      27.     892.      91.     483.      99.   6044.00
     .36      3.02    12.57     2.60     .030     .025     .030     .000  6036.60  2336.38
  .003592    1250.    1200.    1150.       20       11        0      .00   311.90  2929.34
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0
 *SECNO 19.000

 3301 HV CHANGED MORE THAN HVINS

 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=        .0    2406.0  TYPE=     1  TARGET=    2405.999
     19.00     7.75  6060.25  6060.25      .00  6062.10     1.85     3.79      .05  6058.60
    11530.    1446.   10084.       0.     350.     871.       0.     512.     107.   9999.90
       .39     4.13    11.57      .00     .030     .025     .030     .000  6052.50  2037.83
   .003144    1130.    1130.    1120.       20        8        0      .00   368.17  2406.00
0
1
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    SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        QLOSS    BANK ELEV
    Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
    TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
    SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 *SECNO 20.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
     20.00     8.33  6068.93  6068.93      .00  6070.36     1.43     1.77      .04  6067.60
    11530.     531.   10085.     914.     252.     988.     324.     534.     116.   6067.10
       .41     2.11    10.21     2.82     .030     .025     .030     .000  6060.60  1632.97
   .002144     690.     690.     690.       20        8        0      .00   683.23  2316.20
0
 CCHV=    .300 CEHV=    .500
 *SECNO 21.000

 3301 HV CHANGED MORE THAN HVINS

 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3470 ENCROACHMENT STATIONS=    1920.0    2120.0  TYPE=     1  TARGET=     200.000
  ELENCL=   9999.90  ELENCR=   9999.90
     21.00     4.69  6080.39  6080.39      .00  6082.74     2.35     1.72      .46  6082.40
    11530.       0.   11530.       0.       0.     937.       0.     552.     122.   9999.90
       .42      .00    12.31      .00     .020     .020     .020     .000  6075.70  1920.15
   .003712     640.     620.     600.       20       11        0      .00   199.85  2120.00
0

 SPECIAL BRIDGE
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5070,VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED
5227 DOWNSTREAM ELEV IS   6080.01 ,NOT   6080.39 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB  XK        XKOR      COFQ      RDLEN     BWC       BWP       BAREA     SS        ELCHU     ELCHD
     1.15      1.50      2.50       .00    200.00      2.00    713.00       .00   6075.70   6075.70

*SECNO 21.500
 PRESS FLOW BECAUSE EGLWC OF   6083.33  EXCEEDS 1.5 DEPTH
6870 D.S. ENERGY OF 6082.74 HIGHER THAN COMPUTED ENERGY OF 6081.91
PRESSURE AND WEIR FLOW

1
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        QLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST



 EGPRS       EGLWC       H3        QWEIR       QPR       BAREA    TRAPEZOID      ELLC      ELTRD
                                                                      AREA
   6086.48   6083.33       .00     5771.     5765.      713.       931.     6080.40   6080.20



3470 ENCROACHMENT STATIONS=    1920.0    2120.0  TYPE=     1  TARGET=     200.000
 ELENCL=   9999.90  ELENCR=   9999.90
    21.50     4.82  6080.52       .00       .00  6082.74     2.23       .00       .00  6082.40
   11530.       0.   11530.        0.        0.     963.       0.      554.      123.   9999.90
      .42      .00    11.97       .00      .000     .020     .000      .000  6075.70  1920.14
  .003390     100.     100.      100.         5         0         4       .00   199.86  2120.00
0
 CCHV=    .100 CEHV=    .300
 *SECNO 22.000
3280 CROSS SECTION     22.00 EXTENDED      3.05 FEET


3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=        .0    2077.0  TYPE=     1  TARGET=    2076.999
    22.00     7.25  6089.65  6089.65       .00  6092.74     3.09      3.10       .26  6091.80
   11530.       0.   11530.        0.        0.     818.       0.      569.      125.   9999.90
      .44      .00    14.10       .00      .030     .025     .030      .000  6082.40  1929.43
  .005150     670.     750.      790.        20        11         0       .00   132.66  2062.09
0
 *SECNO 23.000
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 3265 DIVIDED FLOW


 3301 HV CHANGED MORE THAN HVINS

 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
1
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    SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
    Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
    TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
    SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


     23.00      5.90   6096.70   6096.70       .00   6098.98      2.28      2.85       .08   6098.50
    11530.      125.    11368.      37.        44.      932.       13.      581.       128.   6095.40
       .45      2.86     12.20      2.85      .030      .025      .030      .000   6090.80   1538.20
   .004532      590.      590.      580.         20        11         0       .00    252.98   2136.03
0
 *SECNO 24.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
     24.00      4.35   6108.35   6108.35       .00   6110.19      1.85      4.59       .04   6115.80
    11530.        0.    11530.        0.         0.      1058.        0.      602.       133.   6111.00
       .48       .00     10.90       .00      .030      .025      .030      .000   6104.00   1926.36
   .006005      885.      885.      885.         20        15         0       .00    288.56   2114.92
0
 *SECNO 25.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     6126.70 ELREA=     6131.70

     25.00      4.63   6126.93   6126.93       .00   6128.79      1.86      8.77       .00   6126.70
    11530.        1.    11529.        0.         1.      1054.        0.      637.       143.   6131.70
       .51       .92     10.93       .00      .030      .025      .030      .000   6122.30   1844.75
   .006016     1630.     1460.     1370.         20         8         0       .00    295.04   2139.79
0
 *SECNO 26.000

 3265 DIVIDED FLOW

 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
     26.00      5.17   6145.38   6145.38       .00   6147.15      1.78      5.56       .01   6145.60
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   11530.       3.   11527.       0.       4.    1077.       0.     660.     150.   6145.30
     .54      .75    10.70      .04     .030     .025     .030     .000  6140.20  1591.66
  .005937     900.     930.     960.       20        8        0      .00   343.74  2231.18
0
1
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   SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
   Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
   TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
   SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*SECNO 27.000

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    27.00     4.58  6166.18  6166.18      .00  6167.21     1.03     5.75      .08  6164.00
   11530.     3635.    7885.      10.     851.     840.       8.     700.     168.   6165.60
     .58      4.27     9.39     1.36     .030     .025     .030     .000  6161.60  1314.41
  .003917     1450.    1160.    1180.       20       15        0      .00   825.85  2169.26
0
 CCHV=    .300 CEHV=    .500
 *SECNO 28.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
    28.00     4.57  6181.47  6181.47      .00  6182.79     1.32     4.18      .15  6189.30
    8530.       0.    8530.       0.       0.     926.       0.     726.     179.   6180.90
     .61      .00     9.21      .05     .025     .025     .025     .000  6176.90  2140.32
  .006926     870.     850.     820.       20        5        0      .00   359.72  2500.03
0

 SPECIAL BRIDGE

 5070,VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED
 SB  XK       XKOR      COFQ      RDLEN     BWC       BWP       BAREA     SS        ELCHU     ELCHD
     1.05      1.50      2.50       .00    360.00     12.00   2140.00       .00   6176.90   6176.90

 *SECNO 28.500
 1860 XLCEL OF   6189.60 EXCEEDS RDEL OF   6139.60
 CLASS A LOW FLOW

 3420 BRIDGE W.S.=   6181.44 BRIDGE VELOCITY=,      5.40      CALCULATED CHANNEL AREA=,     1579.

  EGPRS      EGLWC       H3       QWEIR      QLOW      BAREA   TRAPEZOID      ELLC      ELTRD
```

							AREA		
.00	6182.83	.31	0.	8530.	2140.	2889.		6185.20	6189.30

1

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
28.50	4.88	6181.78	.00	.00	6182.83	1.05	.04	.00	6189.30
8530.	0.	8530.	0.	0.	1036.	0.	728.	180.	6180.90
.61	.00	8.23	.04	.000	.025	.025	.000	6176.90	2140.30
.004759	90.	90.	90.	0	0	0	.00	359.75	2500.05

0
CCHV= .100 CEHV= .300
*SECNO 29.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

29.00	5.42	6198.42	6198.42	.00	6200.25	1.84	5.60	.24	6202.70
8530.	0.	8530.	0.	0.	785.	0.	750.	187.	6206.50
.64	.00	10.87	.00	.030	.025	.030	.000	6193.00	1920.13
.006021	1050.	1050.	1050.	20	8	0	.00	215.95	2136.08

0
*SECNO 30.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

30.00	6.25	6219.05	6219.05	.00	6221.16	2.12	7.07	.08	6217.50
8530.	32.	8498.	0.	10.	726.	0.	771.	193.	6228.60
.66	3.08	11.70	.00	.030	.025	.030	.000	6212.80	2046.75
.005488	1220.	1230.	1280.	20	8	0	.00	179.30	2226.05

0
CCHV= .300 CEHV= .500
*SECNO 31.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

31.00	10.66	6242.76	6242.76	.00	6243.87	1.11	3.52	.30	6238.10
8530.	4734.	1552.	2244.	625.	111.	613.	789.	199.	6238.10
.69	7.58	14.04	3.66	.025	.020	.050	.000	6232.10	1962.32
.004042	800.	730.	740.	20	15	0	.00	554.58	2516.91

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

SPECIAL BRIDGE

5070,VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKQR	CQFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	.00	1.50	2.50	.00	10.70	.00	32.00	.00	6232.10	6232.10

*SECNO 31.500
6870 D.S. ENERGY OF 6243.87 HIGHER THAN COMPUTED ENERGY OF 6243.84
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD
7897.79	6243.87	.00	8297.	218.	32.	32.	6235.10	6240.00

31.50	10.82	6242.92	.00	.00	6243.87	.95	.00	.00	6238.10
8530.	4799.	1465.	2267.	669.	112.	660.	791.	200.	6238.10
.69	7.17	13.05	3.44	.025	.020	.050	.000	6232.10	1956.61
.003416	40.	40.	40.	4	0	10	.00	570.85	2527.47

0
CCHV= .100 CEHV= .300
*SECNO 32.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 1944.0 2415.0 TYPE= 1 TARGET= 471.000
ELENCL= 9999.90 ELENCR= 9999.90

32.00	8.41	6255.51	6255.51	.00	6258.21	2.71	4.07	.53	6249.80
8530.	600.	7930.	0.	101.	584.	0.	817.	208.	6259.10
.72	5.96	13.59	.00	.030	.025	.050	.000	6247.10	1956.85
.004122	1080.	1090.	1100.	20	15	0	.00	134.47	2091.32

0
CCHV= .100 CEHV= .300
*SECNO 33.000

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

33.00	7.46	6274.96	6274.96	.00	6277.02	2.06	4.88	.06	6273.10
8530.	411.	8119.	0.	121.	690.	0.	839.	214.	6279.20
.75	3.41	11.77	.00	.030	.025	.030	.000	6267.50	1634.42
.003647	1250.	1260.	1270.	20	11	0	.00	240.87	1875.29

0
CCHV= .300 CEHV= .500
*SECNO 34.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

34.00	7.29	6298.89	6298.89	.00	6300.21	1.32	4.17	.22	6291.60
8530.	5462.	1455.	1613.	678.	109.	194.	869.	223.	6291.60
.79	8.06	13.31	8.33	.020	.020	.020	.000	6291.60	1307.78
.002270	1430.	1490.	1480.	20	6	0	.00	310.36	1618.14

0
*SECNO 35.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

35.00	4.98	6306.18	6306.18	.00	6308.69	2.51	1.36	.60	6311.80
8210.	0.	8209.	1.	0.	645.	1.	878.	226.	6301.20
.80	.00	12.72	1.07	.020	.020	.020	.000	6301.20	1900.27
.003623	500.	480.	450.	20	14	0	.00	129.97	2030.23

0

SPECIAL BRIDGE

5070,VARIABLE ELCHU OR ELCHD ON CARD S8 NOT SPECIFIED

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV

```
   Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
   TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
   SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


5227 DOWNSTREAM ELEV IS   6305.41 ,NOT   6306.18 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB  XK        XKOR      COFQ      RDLEN     BWC       BWP       BAREA     SS        ELCHU     ELCHD
     1.05      1.50      2.50       .00    130.00      6.00    893.00       .00   6301.20   6301.20

*SECNO 35.500

3301 HV CHANGED MORE THAN HVINS

CLASS B LOW FLOW

3420 BRIDGE W.S.=   6306.34 BRIDGE VELOCITY=,     12.87      CALCULATED CHANNEL AREA=,      638.

 EGPRS      EGLWC       H3       QWEIR      QLOW      BAREA   TRAPEZOID      ELLC      ELTRD
                                                              AREA
   6308.15   6309.10       .00        0.     8210.      893.      893.     6308.40   6311.80


    35.50     6.36  6307.56       .00      .00  6309.10     1.54      .41      .00  6311.80
    8210.       0.    8209.        1.       0.     824.       1.     879.     226.   6301.20
      .80      .00     9.96       .84     .000     .020     .020     .000  6301.20  1900.20
   .001624     60.      60.       60.        0        0        0      .00   130.10  2030.30
0
 CCHV=    .100 CEHV=    .300
 *SECNO 36.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
    36.00     6.27  6324.87  6324.87      .00  6326.05     1.18     2.44      .04  6322.30
    8210.    3885.    4321.       4.     734.     396.       3.     903.     232.   6324.20
      .84     5.29    10.91     1.42     .030     .025     .030     .000  6318.60  1403.68
   .003544    1050.    1060.    1120.       20        6        0      .00   410.65  1814.32
0
 CCHV=    .300 CEHV=    .500

 SPECIAL BRIDGE

 5070,VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED
 SB  XK        XKOR      COFQ      RDLEN     BWC       BWP       BAREA     SS        ELCHU     ELCHD
      .00      1.50      2.50    100.00     12.00       .00     30.00       .00   6318.60   6318.60

 *SECNO 37.000
 1860 XLCEL OF   6340.20 EXCEEDS RDEL OF   6340.00
1
  11/13/85    15:10:53                                                                    PAGE   31


    SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
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   Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
   TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
   SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


 PRESS FLOW BECAUSE EGLWC OF  13602.25  EXCEEDS 1.5 DEPTH
PRESSURE AND WEIR FLOW


 EGPRS      EGLWC       H3       QWEIR      QPR       BAREA   TRAPEZOID      ELLC      ELTRD
                                                          AREA
   8069.29  13602.25       .00     7387.      870.       30.      205.     6335.70   6339.50


3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3710 WSEL ASSUMED BASED ON MIN DIFF

3470 ENCROACHMENT STATIONS=    2100.0    2800.0  TYPE=     1  TARGET=     700.000
 ELENCL=   9999.90  ELENCR=   9999.90
    37.00    12.90  6346.10      .00      .00  6346.81      .72      .00      .00  6340.20
    8210.    5219.    1765.    1225.    1238.     155.     180.     932.     244.   6340.20
      .88     4.22    11.41     6.81     .035     .025     .030     .000  6333.20  2100.00
   .003413     940.     930.     920.       20        0       10      .00   700.00  2800.00
0
 CCHV=    .100 CEHV=    .300
 *SECNO 38.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    38.00     5.08  6355.68  6355.68      .00  6357.57     1.89     5.08      .35  6357.10
    8210.       0.    8210.       0.       0.     744.       0.     962.     256.   6356.40
      .91      .00    11.03      .00     .030     .025     .030     .000  6350.60  1773.84
   .006037    1120.    1150.    1180.       20       18        0      .00   200.65  1974.50
0
 *SECNO 39.000

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
1
 11/13/85    15:10:53                                                              PAGE   32


   SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
   Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
   TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
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```
    SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


 3720 CRITICAL DEPTH ASSUMED
    39.00     4.46  6374.56  6374.56      .00  6374.71      .15      .73      .17  6374.50
    7590.    3987.    1386.    2217.    1126.     707.     757.     998.     263.  6374.10
     1.00     3.54     1.96     2.93     .030     .025     .030     .000  6370.10  1170.87
   .000270     950.     950.     900.       20       15        0      .00   417.77  2923.15
0
 *SECNO 42.000

 3301 HV CHANGED MORE THAN HVINS

 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
    42.00     3.12  6419.12  6419.12      .00  6420.19     1.07     2.38      .28  6420.00
    6962.       0.    6962.       0.       0.     838.       0.    1128.     294.  6420.00
     1.11      .00     8.31      .00     .030     .025     .030     .000  6416.00  1049.75
   .007325    3300.    3325.    3300.       20       19        0      .00   400.49  1450.25
0
 *SECNO 43.000

 3265 DIVIDED FLOW

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
    43.00     2.89  6432.39  6432.39      .00  6433.33      .94     8.32      .01  6430.40
    6962.    3539.    3395.     28.      511.     393.      14.    1150.     305.  6432.00
     1.15     6.92     8.63     1.97     .030     .025     .030     .000  6429.50  1132.46
   .007992    1200.    1050.     900.       10       11        0      .00   520.76  1738.32
0
 *SECNO 44.000
 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
    44.00     4.01  6447.01  6447.01      .00  6448.37     1.36     9.80      .12  6446.00
    6962.       3.    2797.    4161.       1.     273.     479.    1174.     316.  6445.70
     1.18     2.66    10.26     8.68     .030     .025     .030     .000  6443.00  1047.46
   .007885    1100.    1300.    1250.       15       11        0      .00   280.07  1327.54
0
 *SECNO 45.000
1
  11/13/85    15:10:53                                                                PAGE   33


    SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
    Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
    TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
    SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


 3265 DIVIDED FLOW
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```
 3280 CROSS SECTION     45.00 EXTENDED       .18 FEET

 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
     45.00     4.38  6460.18  6460.18      .00  6461.77     1.59     4.79      .07  6458.00
     6962.      45.     6834.      83.      12.     670.      36.     1187.     321.   6458.00
      1.20     3.80     10.19     2.26     .030     .025     .030     .000  6455.80  1027.49
   .004880     750.     775.     800.       20        8        0      .00   270.85  1300.00
0
 *SECNO 46.000

 3265 DIVIDED FLOW


 3301 HV CHANGED MORE THAN HVINS

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
     46.00     3.79  6473.79  6473.79      .00  6474.48      .69     7.79      .09  6530.00
     6962.       0.     5914.    1048.       0.     844.     243.     1215.     338.   6474.00
      1.26      .00     7.01     4.32     .030     .025     .030     .000  6470.00  1071.84
   .007018    1400.    1350.    1250.       14       12        0      .00   808.47  1962.90
0
 *SECNO 47.000

 3265 DIVIDED FLOW

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
     47.00     3.27  6484.17  6484.17      .00  6484.90      .73     5.99      .01  6484.00
     6962.      20.     4455.    2486.      16.     607.     419.     1234.     353.   6484.00
      1.29     1.23     7.34     5.93     .030     .025     .030     .000  6480.90  1090.37
   .007873     800.     800.     825.       15       15        0      .00   818.75  2080.01
0
 *SECNO 48.000
 7185 MINIMUM SPECIFIC ENERGY
1
  11/13/85    15:10:53                                                                PAGE   34


    SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS     BANK ELEV
    Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
    TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
    SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


 3720 CRITICAL DEPTH ASSUMED
     48.00     4.11  6496.31  6496.31      .00  6497.06      .75     7.09      .01  6496.00
     6962.      30.     1917.    5016.      18.     323.     685.     1257.     370.   6495.60
      1.33     1.70     5.93     7.32     .030     .025     .030     .000  6492.20  1650.52
   .007135    1000.    1000.     900.       16       11        0      .00   712.86  2363.38
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0
 *SECND 49.000
 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
     49.00     4.18  6513.18  6513.18      .00  6514.06      .88     5.72      .04  6510.00
     6962.     1150.     4263.     1549.      241.      473.      409.     1284.      387.   6510.00
      1.37     4.78      9.01      3.79      .030      .025      .030      .000  6509.00  1105.90
    .003891    1400.     1175.     1000.       20         5         0       .00   641.41  1747.31
0
1
  11/13/85    15:10:53                                                                          PAGE   35



                                                                          THIS RUN EXECUTED 11/13/85   15:17:11

 ************************************************
   HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
   ERROR CORR -  01,02,03,04,05,06
   MODIFICATION -  50,51,52,53,54,55,56
   IBM-PC-XT VERSION 1.1
 ************************************************


 NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST


  YEAR DEVELOPED FLOOD

 SUMMARY PRINTOUT

       SECNO     CWSEL     DEPTH      Q         QLOB      QROB      SSTA      ENDST     TOPWID

 *      1.000   5800.60      5.10  15620.00       .00  15620.00   1252.92   2042.69    666.74

 *      2.000   5820.35      6.65  15620.00       .00       .00   1946.23   2106.00    159.77

 *      2.500   5821.68      7.98  15620.00       .00       .00   1946.18   2106.00    159.82

 *      3.000   5830.43      4.83  15620.00       .00  15620.00   1803.00   2186.06    383.06

 *      4.000   5835.24      5.84  15620.00       .00       .00   2100.19   2585.02    484.83

        4.500   5836.27      6.87  15620.00       .00       .00   2100.17   2585.06    484.89

 *      5.000   5846.66      7.26  15620.00       .00  1491.76   1929.65   2135.25    205.60

 *      6.000   5856.35      6.55  15620.00     68.41     54.01   1771.42   1998.50    227.08

 *      7.000   5871.83      6.83  15620.00       .00      1.25   1920.19   2080.31    160.12
```