

Appendix D
HEC-1 Summary Printouts for

**1-, 2-, 5-, 10-, 25-, 50-, 100-, and 500-year Storms for
Concept Master Plan A and Concept Master Plan B**

Concept Master Plan A

500 year Flow Rates

		RUNOFF SUMMARY FLOW IN CUBIC FEET PER SECOND TIME IN HOURS, AREA IN SQUARE MILES							
OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD			BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
				6-HOUR	24-HOUR	72-HOUR			
HYDROGRAPH AT	S2B3	198.	12.20	34.	11.	9.	0.07		
ROUTED TO	PONDA	192.	12.30	34.	11.	9.	0.07	122.11	12.30
ROUTED TO	R6C	40.	13.10	28.	11.	9.	0.07		
HYDROGRAPH AT	S2AD	669.	12.10	87.	28.	22.	0.17		
ROUTED TO	202	52.	13.20	51.	28.	22.	0.17	1339.20	13.20
ROUTED TO	66TH	52.	13.30	51.	28.	22.	0.17	1310.38	13.30
ROUTED TO	R16C	52.	13.40	51.	28.	22.	0.17	1342.21	13.30
HYDROGRAPH AT	S2AC	511.	12.10	69.	22.	17.	0.15		
2 COMBINED AT	Node84	556.	12.10	118.	49.	39.	0.32		
ROUTED TO	R16B	535.	12.10	117.	49.	39.	0.32	1289.50	12.10
HYDROGRAPH AT	S2AF	597.	12.20	107.	34.	27.	0.22		
ROUTED TO	Ps2af	57.	13.80	47.	34.	27.	0.22	1330.08	13.80
HYDROGRAPH AT	S2AE	488.	12.20	81.	25.	20.	0.17		
2 COMBINED AT	Node19	531.	12.20	126.	59.	47.	0.39		
ROUTED TO	R26A	531.	12.20	126.	59.	47.	0.39	1299.86	12.20
ROUTED TO	201	536.	12.20	126.	59.	47.	0.39	1294.68	12.20
2 COMBINED AT	R16A	1047.	12.20	244.	108.	87.	0.71		
ROUTED TO	R16A	982.	12.20	243.	108.	87.	0.71	1285.12	12.20
HYDROGRAPH AT	S2AB	585.	12.20	97.	31.	25.	0.20		
2 COMBINED AT	Node75	1567.	12.20	339.	139.	112.	0.91		
ROUTED TO	R15	1390.	12.30	339.	139.	111.	0.91		

HYDROGRAPH AT	S2AA	490.	12.30	92.	29.	23.	0.20			ROUTED TO	93	1013.	12.30	200.	62.	50.	0.43	1283.02	12.30
2 COMBINED AT	56THB	1880.	12.30	430.	168.	135.	1.11			ROUTED TO	S53RD	839.	12.60	200.	62.	50.	0.43	1272.48	12.60
ROUTED TO	R14C	1805.	12.40	430.	168.	135.	1.11			ROUTED TO	R23A	837.	12.60	200.	62.	50.	0.43	1271.05	12.60
HYDROGRAPH AT	S2Z	374.	12.10	57.	18.	14.	0.11			HYDROGRAPH AT	S2Q	450.	12.10	68.	21.	17.	0.14		
ROUTED TO	91	323.	12.20	57.	18.	14.	0.11	1281.25	12.20	2 COMBINED AT	Node95	991.	12.50	268.	84.	67.	0.57		
2 COMBINED AT	Node64	2091.	12.40	485.	185.	149.	1.22			ROUTED TO	R22	985.	12.50	267.	84.	67.	0.57		
ROUTED TO	R14B	2108.	12.40	485.	185.	149.	1.22			HYDROGRAPH AT	S2P	464.	12.20	84.	26.	21.	0.19		
HYDROGRAPH AT	S2Y	728.	12.30	139.	44.	35.	0.27			2 COMBINED AT	Node92	1430.	12.30	351.	110.	88.	0.76		
ROUTED TO	90	609.	12.40	139.	44.	35.	0.27	1293.22	12.40	ROUTED TO	R21	1089.	12.70	346.	110.	88.	0.76		
ROUTED TO	R25	598.	12.50	139.	44.	35.	0.27	2.96	12.50	HYDROGRAPH AT	S2U	469.	12.10	65.	21.	17.	0.12		
ROUTED TO	CLV310	602.	12.50	139.	44.	35.	0.27	1266.46	12.50	HYDROGRAPH AT	S2O	973.	12.10	143.	46.	37.	0.27		
HYDROGRAPH AT	S2X	243.	12.20	45.	14.	12.	0.09			4 COMBINED AT	40THB	4424.	12.60	1394.	477.	383.	3.10		
3 COMBINED AT	Node62	2811.	12.40	668.	244.	196.	1.58			ROUTED TO	R11	4373.	12.70	1394.	477.	383.	3.10		
ROUTED TO	R14A	2784.	12.50	668.	244.	196.	1.58			HYDROGRAPH AT	S2T	1486.	12.10	203.	65.	53.	0.36		
HYDROGRAPH AT	S2W	417.	12.30	79.	25.	20.	0.16			ROUTED TO	R20	1345.	12.20	203.	65.	53.	0.36		
2 COMBINED AT	Node57	3127.	12.40	746.	269.	216.	1.74			2 COMBINED AT	Node44	4857.	12.60	1591.	542.	436.	3.46		
ROUTED TO	R13	3085.	12.50	746.	269.	216.	1.74			ROUTED TO	R10	4772.	12.70	1589.	542.	436.	3.46		
HYDROGRAPH AT	S2V	889.	12.00	104.	33.	26.	0.21			HYDROGRAPH AT	S2M2	547.	12.30	103.	32.	26.	0.23		
2 COMBINED AT	Node54	3237.	12.50	847.	301.	242.	1.95			ROUTED TO	S2MDAM	96.	13.30	69.	37.	34.	0.23	4.08	13.30
ROUTED TO	R12	2988.	12.60	847.	301.	242.	1.95			ROUTED TO	R19B	95.	13.40	68.	37.	34.	0.23	1255.06	13.40
HYDROGRAPH AT	S2S	764.	12.10	101.	32.	25.	0.22			HYDROGRAPH AT	S2M1	498.	12.10	74.	23.	18.	0.16		
ROUTED TO	R24B	740.	12.10	101.	32.	25.	0.22	1280.18	12.10	HYDROGRAPH AT	S2N	375.	12.30	73.	23.	18.	0.16		
HYDROGRAPH AT	S2R	701.	12.10	98.	31.	25.	0.21			3 COMBINED AT	YANKB	852.	12.20	209.	83.	71.	0.55		
2 COMBINED AT	REBEL	1441.	12.10	200.	62.	50.	0.43			ROUTED TO	191	663.	12.40	209.	83.	71.	0.55	1256.59	12.40
ROUTED TO	56THA	1376.	12.20	200.	62.	50.	0.43	1293.88	12.20	ROUTED TO	R19A	652.	12.50	209.	83.	70.	0.55	1245.35	12.50

HYDROGRAPH AT	S2L	892.	12.00	98.	32.	26.	0.17			3 COMBINED AT	Node11	8145.	12.50	2819.	970.	784.	5.92		
2 COMBINED AT	40THA	1166.	12.00	303.	115.	96.	0.72			ROUTED TO	R7A	8065.	12.60	2819.	970.	784.	5.92		
ROUTED TO	83	1132.	12.10	303.	115.	96.	0.72	1242.62	12.10	2 COMBINED AT	27THB	8101.	12.60	2846.	981.	792.	5.99		
ROUTED TO	R18B	1006.	12.20	303.	115.	96.	0.72	1238.61	12.20	ROUTED TO	R6B	5946.	13.20	2844.	981.	792.	5.99		
HYDROGRAPH AT	S2K	1279.	12.10	175.	56.	45.	0.31			HYDROGRAPH AT	S5A	724.	12.20	117.	37.	30.	0.22		
2 COMBINED AT	Node31	2272.	12.10	475.	172.	141.	1.03			ROUTED TO	PondS5	735.	12.20	106.	37.	30.	0.22	1269.62	12.20
ROUTED TO	R18A	2058.	12.20	475.	171.	141.	1.03	1227.91	12.20	ROUTED TO	R33	538.	12.40	106.	37.	30.	0.22		
HYDROGRAPH AT	S2J	799.	12.20	135.	44.	35.	0.23			HYDROGRAPH AT	S5B	1210.	12.10	193.	61.	49.	0.37		
2 COMBINED AT	Node28	2857.	12.20	608.	216.	176.	1.26			2 COMBINED AT	S5up	1491.	12.20	297.	99.	79.	0.59		
ROUTED TO	R17	2633.	12.30	608.	216.	176.	1.26			ROUTED TO	R32	1314.	12.40	297.	99.	79.	0.59		
2 COMBINED AT	Node25	6922.	12.40	2192.	757.	612.	4.72			HYDROGRAPH AT	S5C	942.	12.10	126.	40.	32.	0.23		
ROUTED TO	R9	6813.	12.40	2192.	757.	612.	4.72			2 COMBINED AT	S38th	1744.	12.20	422.	139.	112.	0.82		
HYDROGRAPH AT	S2H	1028.	12.00	113.	36.	29.	0.20			ROUTED TO	R31	1304.	12.60	420.	139.	111.	0.82		
HYDROGRAPH AT	S2I1	554.	12.00	62.	20.	16.	0.11			HYDROGRAPH AT	S5E	783.	12.00	99.	32.	25.	0.18		
HYDROGRAPH AT	S2I2	687.	12.20	119.	38.	30.	0.22			ROUTED TO	S38thS	682.	12.10	96.	32.	25.	0.18	1226.62	12.10
4 COMBINED AT	Node21	7617.	12.40	2477.	850.	688.	5.25			ROUTED TO	R34	151.	12.80	95.	32.	25.	0.18		
ROUTED TO	R8	7577.	12.40	2476.	850.	687.	5.25			HYDROGRAPH AT	S5G	745.	12.00	80.	25.	20.	0.15		
HYDROGRAPH AT	S2G	421.	12.00	51.	17.	13.	0.09			HYDROGRAPH AT	S5F	1288.	12.00	146.	46.	37.	0.28		
2 COMBINED AT	ROKEBY	7678.	12.40	2526.	867.	701.	5.34			4 COMBINED AT	RRjctn	2546.	12.00	737.	242.	194.	1.43		
ROUTED TO	R7C	7592.	12.50	2525.	867.	701.	5.34			HYDROGRAPH AT	S5D	1672.	12.00	186.	60.	48.	0.34		
HYDROGRAPH AT	S2F2	858.	12.00	101.	33.	26.	0.18			2 COMBINED AT	Salt1l	4218.	12.00	921.	302.	242.	1.77		
2 COMBINED AT	Node15	7733.	12.50	2622.	900.	727.	5.52			HYDROGRAPH AT	S2B1	562.	12.00	68.	21.	17.	0.14		
ROUTED TO	R7B	7660.	12.50	2622.	900.	727.	5.52			3 COMBINED AT	BNSFB	7196.	13.20	3821.	1303.	1051.	7.90		
HYDROGRAPH AT	S2E	1069.	12.10	143.	46.	37.	0.25			ROUTED TO	R6A	7180.	13.20	3821.	1303.	1051.	7.90		
ROUTED TO	S2EDAM	814.	12.20	122.	46.	37.	0.25	1224.71	12.20	HYDROGRAPH AT	S1G	829.	12.10	112.	37.	30.	0.19		
HYDROGRAPH AT	S2F1	709.	12.00	79.	25.	20.	0.15			HYDROGRAPH AT	S1F	398.	12.30	84.	28.	23.	0.14		
										2 COMBINED AT	Node12	1120.	12.10	197.	65.	52.	0.33		

100 year Flow Rates

RUNOFF SUMMARY									
FLOW IN CUBIC FEET PER SECOND									
TIME IN HOURS, AREA IN SQUARE MILES									
OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD			BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
				6-HOUR	24-HOUR	72-HOUR			
HYDROGRAPH AT	S2B3	150.	12.20	26.	8.	6.	0.07		
ROUTED TO	PONDA	145.	12.30	26.	8.	6.	0.07	121.64	12.30
ROUTED TO	R6C	30.	13.10	21.	8.	6.	0.07		
HYDROGRAPH AT	S2AD	517.	12.10	67.	21.	17.	0.17		
ROUTED TO	202	51.	13.00	49.	21.	17.	0.17	1337.69	13.00
ROUTED TO	66TH	51.	13.00	49.	21.	17.	0.17	1310.30	13.00
ROUTED TO	R16C	51.	13.20	49.	21.	17.	0.17	1342.20	13.20
HYDROGRAPH AT	S2AC	382.	12.10	52.	16.	13.	0.15		
2 COMBINED AT	Node84	425.	12.10	98.	37.	30.	0.32		
ROUTED TO	R16B	403.	12.10	98.	37.	30.	0.32	1289.29	12.10
HYDROGRAPH AT	S2AF	452.	12.20	81.	25.	20.	0.22		
ROUTED TO	Ps2af	44.	13.80	44.	25.	20.	0.22	1328.15	13.80
HYDROGRAPH AT	S2AE	368.	12.20	61.	19.	15.	0.17		
2 COMBINED AT	Node19	410.	12.20	104.	45.	36.	0.39		
ROUTED TO	R26A	410.	12.20	104.	45.	36.	0.39	1299.43	12.20
ROUTED TO	201	404.	12.20	104.	45.	36.	0.39	1294.43	12.20
2 COMBINED AT	R16A	798.	12.20	202.	82.	66.	0.71		
ROUTED TO	R16A	747.	12.30	202.	82.	66.	0.71	1284.93	12.30
HYDROGRAPH AT	S2AB	443.	12.20	74.	23.	19.	0.20		
2 COMBINED AT	Node75	1174.	12.20	274.	105.	84.	0.91		

HYDROGRAPH AT	S2L	712.	12.00	78.	25.	20.	0.17			3 COMBINED AT	Node11	5962.	12.60	2179.	748.	604.	5.92		
2 COMBINED AT	40THA	929.	12.00	232.	90.	76.	0.72			ROUTED TO	R7A	5900.	12.60	2178.	748.	603.	5.92		
ROUTED TO	83	871.	12.10	232.	90.	76.	0.72	1242.40	12.10	2 COMBINED AT	27THB	5927.	12.60	2199.	756.	610.	5.99		
ROUTED TO	R18B	786.	12.20	232.	90.	76.	0.72	1238.21	12.20	ROUTED TO	R6B	4209.	13.40	2198.	756.	610.	5.99		
HYDROGRAPH AT	S2K	1012.	12.10	138.	44.	35.	0.31			HYDROGRAPH AT	S5A	563.	12.20	91.	29.	23.	0.22		
2 COMBINED AT	Node31	1741.	12.10	368.	134.	111.	1.03			ROUTED TO	PondS5	529.	12.30	80.	29.	23.	0.22	1269.39	12.30
ROUTED TO	R18A	1587.	12.20	368.	134.	111.	1.03	1227.62	12.20	ROUTED TO	R33	340.	12.50	80.	29.	23.	0.22		
HYDROGRAPH AT	S2J	639.	12.20	107.	35.	28.	0.23			HYDROGRAPH AT	S5B	936.	12.20	149.	47.	38.	0.37		
2 COMBINED AT	Node28	2225.	12.20	474.	169.	139.	1.26			2 COMBINED AT	S5up	1033.	12.20	228.	76.	61.	0.59		
ROUTED TO	R17	2040.	12.30	474.	169.	139.	1.26			ROUTED TO	R32	889.	12.40	227.	76.	61.	0.59		
2 COMBINED AT	Node25	5138.	12.40	1694.	581.	470.	4.72			HYDROGRAPH AT	S5C	739.	12.10	98.	31.	25.	0.23		
ROUTED TO	R9	5086.	12.50	1693.	581.	470.	4.72			2 COMBINED AT	S38th	1253.	12.20	325.	107.	86.	0.82		
HYDROGRAPH AT	S2H	815.	12.00	89.	28.	23.	0.20			ROUTED TO	R31	967.	12.60	324.	107.	86.	0.82		
HYDROGRAPH AT	S2I1	439.	12.00	49.	16.	13.	0.11			HYDROGRAPH AT	S5E	613.	12.00	77.	24.	20.	0.18		
HYDROGRAPH AT	S2I2	536.	12.20	92.	29.	23.	0.22			ROUTED TO	S38thS	467.	12.20	75.	24.	20.	0.18	1226.31	12.20
4 COMBINED AT	Node21	5597.	12.40	1916.	654.	528.	5.25			ROUTED TO	R34	122.	12.90	75.	24.	20.	0.18		
ROUTED TO	R8	5607.	12.50	1915.	654.	528.	5.25			HYDROGRAPH AT	S5G	582.	12.00	62.	20.	16.	0.15		
HYDROGRAPH AT	S2G	334.	12.00	41.	13.	10.	0.09			HYDROGRAPH AT	S5F	997.	12.00	113.	36.	29.	0.28		
2 COMBINED AT	ROKEBY	5667.	12.50	1954.	667.	539.	5.34			4 COMBINED AT	RRjctn	1968.	12.00	570.	186.	150.	1.43		
ROUTED TO	R7C	5575.	12.60	1953.	667.	539.	5.34			HYDROGRAPH AT	S5D	1313.	12.00	146.	46.	37.	0.34		
HYDROGRAPH AT	S2F2	679.	12.00	80.	26.	21.	0.18			2 COMBINED AT	Saltil	3281.	12.00	714.	233.	187.	1.77		
2 COMBINED AT	Node15	5664.	12.60	2030.	693.	559.	5.52			HYDROGRAPH AT	S2B1	426.	12.00	52.	16.	13.	0.14		
ROUTED TO	R7B	5676.	12.60	2029.	693.	559.	5.52			3 COMBINED AT	BNSFB	5328.	12.80	2952.	1004.	810.	7.90		
HYDROGRAPH AT	S2E	850.	12.10	113.	36.	29.	0.25			ROUTED TO	R6A	5307.	12.90	2952.	1004.	810.	7.90		
ROUTED TO	S2EDAM	493.	12.30	91.	36.	29.	0.25	1224.35	12.30	HYDROGRAPH AT	S1G	666.	12.10	90.	29.	24.	0.19		
HYDROGRAPH AT	S2F1	554.	12.00	61.	19.	16.	0.15			HYDROGRAPH AT	S1F	321.	12.30	68.	22.	18.	0.14		
										2 COMBINED AT	Node12	900.	12.10	158.	52.	42.	0.33		

50 Year Flow Rates

RUNOFF SUMMARY									
FLOW IN CUBIC FEET PER SECOND									
TIME IN HOURS, AREA IN SQUARE MILES									
OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD			BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
				6-HOUR	24-HOUR	72-HOUR			
HYDROGRAPH AT	S2B3	128.	12.20	22.	7.	6.	0.07		
ROUTED TO	PONDA	125.	12.30	22.	7.	6.	0.07	121.43	12.30
ROUTED TO	R6C	26.	13.10	18.	7.	5.	0.07		
HYDROGRAPH AT	S2AD	449.	12.10	58.	18.	15.	0.17		
ROUTED TO	202	50.	12.90	48.	18.	15.	0.17	1336.95	12.90
ROUTED TO	66TH	50.	12.90	48.	18.	15.	0.17	1310.26	12.90
ROUTED TO	R16C	50.	13.10	48.	18.	15.	0.17	1342.19	13.10
HYDROGRAPH AT	S2AC	325.	12.10	44.	14.	11.	0.15		
2 COMBINED AT	Node84	367.	12.10	90.	32.	26.	0.32		
ROUTED TO	R16B	344.	12.10	89.	32.	26.	0.32	1289.18	12.10
HYDROGRAPH AT	S2AF	387.	12.20	70.	22.	17.	0.22		
ROUTED TO	Ps2af	44.	13.60	44.	22.	17.	0.22	1327.28	13.60
HYDROGRAPH AT	S2AE	315.	12.20	53.	16.	13.	0.17		
2 COMBINED AT	Node19	357.	12.20	95.	38.	31.	0.39		
ROUTED TO	R26A	356.	12.20	95.	38.	31.	0.39	1299.18	12.20
ROUTED TO	201	350.	12.20	95.	38.	31.	0.39	1294.16	12.20
2 COMBINED AT	R16A	691.	12.20	184.	70.	56.	0.71		
ROUTED TO	R16A	646.	12.30	184.	70.	56.	0.71	1284.84	12.30
HYDROGRAPH AT	S2AB	381.	12.20	64.	20.	16.	0.20		

25 Year Flow Rates

RUNOFF SUMMARY									
FLOW IN CUBIC FEET PER SECOND									
TIME IN HOURS, AREA IN SQUARE MILES									
OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD			BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
				6-HOUR	24-HOUR	72-HOUR			
HYDROGRAPH AT	S2B3	109.	12.20	19.	6.	5.	0.07		
ROUTED TO	PONDA	106.	12.30	19.	6.	5.	0.07	121.22	12.30
ROUTED TO	R6C	22.	13.10	15.	6.	5.	0.07		
HYDROGRAPH AT	S2AD	386.	12.10	50.	16.	13.	0.17		
ROUTED TO	202	48.	12.80	45.	16.	13.	0.17	1336.20	12.80
ROUTED TO	66TH	48.	12.90	45.	16.	13.	0.17	1310.19	12.90
ROUTED TO	R16C	48.	13.00	45.	16.	13.	0.17	1342.18	13.00
HYDROGRAPH AT	S2AC	273.	12.10	37.	11.	9.	0.15		
2 COMBINED AT	Node84	313.	12.10	81.	27.	22.	0.32		
ROUTED TO	R16B	293.	12.20	81.	27.	22.	0.32	1289.07	12.20
HYDROGRAPH AT	S2AF	328.	12.20	60.	18.	15.	0.22		
ROUTED TO	Ps2af	43.	13.40	43.	18.	15.	0.22	1326.51	13.50
HYDROGRAPH AT	S2AE	266.	12.20	45.	14.	11.	0.17		
2 COMBINED AT	Node19	307.	12.20	87.	32.	26.	0.39		
ROUTED TO	R26A	307.	12.20	87.	32.	26.	0.39	1298.95	12.20
ROUTED TO	201	306.	12.20	87.	32.	26.	0.39	1293.86	12.20
2 COMBINED AT	R16A	599.	12.20	167.	59.	48.	0.71		
ROUTED TO	R16A	556.	12.30	167.	59.	48.	0.71	1284.74	12.30
HYDROGRAPH AT	S2AB	323.	12.20	54.	17.	13.	0.20		
2 COMBINED AT	Node75	851.	12.30	219.	76.	61.	0.91		

HYDROGRAPH AT	S2L	555.	12.00	61.	19.	16.	0.17			3 COMBINED AT	Node11	4246.	12.70	1637.	559.	452.	5.92		
2 COMBINED AT	40THA	725.	12.00	173.	70.	60.	0.72			ROUTED TO	R7A	4161.	12.80	1637.	559.	452.	5.92		
ROUTED TO	83	599.	12.10	173.	70.	60.	0.72	1241.82	12.10	2 COMBINED AT	27THB	4182.	12.80	1652.	565.	456.	5.99		
ROUTED TO	R18B	583.	12.20	173.	70.	59.	0.72	1237.68	12.20	ROUTED TO	R6B	3529.	13.30	1651.	565.	456.	5.99		
HYDROGRAPH AT	S2K	780.	12.10	106.	34.	27.	0.31			HYDROGRAPH AT	S5A	424.	12.20	68.	21.	17.	0.22		
2 COMBINED AT	Node31	1321.	12.10	278.	103.	86.	1.03			ROUTED TO	PondS5	320.	12.40	59.	21.	17.	0.22	1269.16	12.40
ROUTED TO	R18A	1205.	12.20	278.	103.	86.	1.03	1227.31	12.20	ROUTED TO	R33	192.	12.60	58.	21.	17.	0.22		
HYDROGRAPH AT	S2J	499.	12.20	84.	27.	22.	0.23			HYDROGRAPH AT	S5B	702.	12.20	112.	35.	28.	0.37		
2 COMBINED AT	Node28	1704.	12.20	360.	130.	108.	1.26			2 COMBINED AT	S5up	741.	12.20	169.	56.	45.	0.59		
ROUTED TO	R17	1528.	12.30	360.	130.	108.	1.26			ROUTED TO	R32	565.	12.40	168.	56.	45.	0.59		
2 COMBINED AT	Node25	3678.	12.50	1273.	432.	350.	4.72			HYDROGRAPH AT	S5C	564.	12.10	75.	24.	19.	0.23		
ROUTED TO	R9	3654.	12.60	1273.	432.	350.	4.72			2 COMBINED AT	S38th	933.	12.10	242.	80.	64.	0.82		
HYDROGRAPH AT	S2H	629.	12.00	68.	22.	17.	0.20			ROUTED TO	R31	637.	12.60	241.	80.	64.	0.82		
HYDROGRAPH AT	S2I1	339.	12.00	38.	12.	10.	0.11			HYDROGRAPH AT	S5E	466.	12.00	59.	18.	15.	0.18		
HYDROGRAPH AT	S2I2	405.	12.20	70.	22.	18.	0.22			ROUTED TO	S38thS	224.	12.30	57.	18.	15.	0.18	1225.72	12.30
4 COMBINED AT	Node21	4011.	12.50	1442.	488.	395.	5.25			ROUTED TO	R34	99.	13.00	57.	18.	15.	0.18		
ROUTED TO	R8	4004.	12.50	1441.	488.	395.	5.25			HYDROGRAPH AT	S5G	440.	12.00	47.	15.	12.	0.15		
HYDROGRAPH AT	S2G	258.	12.00	31.	10.	8.	0.09			HYDROGRAPH AT	S5F	747.	12.00	85.	26.	21.	0.28		
2 COMBINED AT	ROKEBY	4051.	12.50	1471.	498.	403.	5.34			4 COMBINED AT	RRjctn	1456.	12.00	426.	139.	112.	1.43		
ROUTED TO	R7C	3961.	12.60	1470.	498.	403.	5.34			HYDROGRAPH AT	S5D	1003.	12.00	111.	35.	28.	0.34		
HYDROGRAPH AT	S2F2	523.	12.00	61.	19.	16.	0.18			2 COMBINED AT	Saltil	2458.	12.00	536.	174.	140.	1.77		
2 COMBINED AT	Node15	4031.	12.60	1528.	517.	418.	5.52			HYDROGRAPH AT	S2B1	310.	12.00	38.	12.	9.	0.14		
ROUTED TO	R7B	4041.	12.70	1528.	517.	418.	5.52			3 COMBINED AT	BNSFB	4301.	13.10	2215.	751.	606.	7.90		
HYDROGRAPH AT	S2E	659.	12.10	87.	28.	22.	0.25			ROUTED TO	R6A	4212.	13.40	2215.	751.	606.	7.90		
ROUTED TO	S2EDAM	175.	12.50	65.	27.	22.	0.25	1224.00	12.50	HYDROGRAPH AT	S1G	524.	12.10	70.	23.	18.	0.19		
HYDROGRAPH AT	S2F1	421.	12.00	46.	15.	12.	0.15			HYDROGRAPH AT	S1F	254.	12.30	54.	18.	14.	0.14		
										2 COMBINED AT	Node12	708.	12.10	124.	40.	32.	0.33		

10 Year Flow Rates

RUNOFF SUMMARY FLOW IN CUBIC FEET PER SECOND TIME IN HOURS, AREA IN SQUARE MILES									
OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD			BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
				6-HOUR	24-HOUR	72-HOUR			
HYDROGRAPH AT	S2B3	88.	12.20	15.	5.	4.	0.07		
ROUTED TO	PONDA	86.	12.30	15.	5.	4.	0.07	120.97	12.30
ROUTED TO	R6C	18.	13.10	12.	5.	4.	0.07		
HYDROGRAPH AT	S2AD	319.	12.10	41.	13.	10.	0.17		
ROUTED TO	202	47.	12.70	39.	13.	10.	0.17	1335.32	12.70
ROUTED TO	66TH	47.	12.80	39.	13.	10.	0.17	1310.14	12.80
ROUTED TO	R16C	47.	13.00	39.	13.	10.	0.17	1342.17	13.00
HYDROGRAPH AT	S2AC	219.	12.10	30.	9.	7.	0.15		
2 COMBINED AT	Node84	254.	12.10	69.	22.	18.	0.32		
ROUTED TO	R16B	240.	12.20	69.	22.	18.	0.32	1288.95	12.20
HYDROGRAPH AT	S2AF	265.	12.20	49.	15.	12.	0.22		
ROUTED TO	Ps2af	43.	13.30	42.	15.	12.	0.22	1325.72	13.30
HYDROGRAPH AT	S2AE	215.	12.20	36.	11.	9.	0.17		
2 COMBINED AT	Node19	256.	12.20	77.	26.	21.	0.39		
ROUTED TO	R26A	255.	12.20	77.	26.	21.	0.39	1298.63	12.20
ROUTED TO	201	251.	12.20	77.	26.	21.	0.39	1293.49	12.20
2 COMBINED AT	R16A	491.	12.20	146.	48.	39.	0.71		
ROUTED TO	R16A	456.	12.30	145.	48.	39.	0.71	1284.64	12.30
HYDROGRAPH AT	S2AB	262.	12.20	44.	14.	11.	0.20		
2 COMBINED AT	Node75	696.	12.30	189.	62.	50.	0.91		
ROUTED TO	R15	632.	12.40	188.	62.	50.	0.91		

HYDROGRAPH AT	S2AA	209.	12.30	40.	12.	10.	0.20			ROUTED TO	93	533.	12.30	87.	27.	22.	0.43	1278.11	12.30
2 COMBINED AT	56THB	821.	12.40	227.	74.	60.	1.11			ROUTED TO	S53RD	415.	12.40	87.	27.	22.	0.43	1269.03	12.40
ROUTED TO	R14C	775.	12.50	227.	74.	60.	1.11			ROUTED TO	R23A	414.	12.40	87.	27.	22.	0.43	1269.59	12.40
HYDROGRAPH AT	S2Z	175.	12.10	27.	8.	7.	0.11			HYDROGRAPH AT	S2Q	200.	12.10	31.	10.	8.	0.14		
ROUTED TO	91	171.	12.20	27.	8.	7.	0.11	1278.31	12.20	2 COMBINED AT	Node95	532.	12.30	118.	36.	29.	0.57		
2 COMBINED AT	Node64	871.	12.40	253.	82.	66.	1.22			ROUTED TO	R22	530.	12.40	118.	36.	29.	0.57		
ROUTED TO	R14B	864.	12.50	253.	82.	66.	1.22			HYDROGRAPH AT	S2P	187.	12.20	35.	11.	9.	0.19		
HYDROGRAPH AT	S2Y	342.	12.30	65.	20.	16.	0.27			2 COMBINED AT	Node92	700.	12.30	153.	47.	38.	0.76		
ROUTED TO	90	328.	12.40	65.	20.	16.	0.27	1288.54	12.40	ROUTED TO	R21	456.	12.70	150.	47.	38.	0.76		
ROUTED TO	R25	317.	12.40	65.	20.	16.	0.27	2.25	12.40	HYDROGRAPH AT	S2U	231.	12.10	32.	10.	8.	0.12		
ROUTED TO	CLV310	272.	12.60	65.	20.	16.	0.27	1265.17	12.60	HYDROGRAPH AT	S2O	471.	12.10	70.	22.	17.	0.27		
HYDROGRAPH AT	S2X	112.	12.30	21.	7.	5.	0.09			4 COMBINED AT	40THB	1880.	12.70	664.	214.	172.	3.10		
3 COMBINED AT	Node62	1209.	12.50	339.	109.	88.	1.58			ROUTED TO	R11	1857.	12.80	664.	214.	172.	3.10		
ROUTED TO	R14A	1202.	12.50	338.	109.	88.	1.58			HYDROGRAPH AT	S2T	766.	12.10	104.	33.	26.	0.36		
HYDROGRAPH AT	S2W	190.	12.30	36.	11.	9.	0.16			ROUTED TO	R20	635.	12.20	104.	33.	26.	0.36		
2 COMBINED AT	Node57	1349.	12.50	374.	121.	97.	1.74			2 COMBINED AT	Node44	2058.	12.70	763.	247.	198.	3.46		
ROUTED TO	R13	1313.	12.60	374.	121.	97.	1.74			ROUTED TO	R10	1995.	12.80	761.	247.	198.	3.46		
HYDROGRAPH AT	S2V	405.	12.00	48.	15.	12.	0.21			HYDROGRAPH AT	S2M2	228.	12.30	44.	14.	11.	0.23		
2 COMBINED AT	Node54	1373.	12.60	419.	135.	109.	1.95			ROUTED TO	S2MDAM	37.	13.50	33.	24.	23.	0.23	1.70	13.50
ROUTED TO	R12	1274.	12.70	418.	135.	109.	1.95			ROUTED TO	R19B	37.	13.60	33.	24.	23.	0.23	1254.69	13.60
HYDROGRAPH AT	S2S	328.	12.10	44.	14.	11.	0.22			HYDROGRAPH AT	S2M1	210.	12.10	32.	10.	8.	0.16		
ROUTED TO	R24B	308.	12.10	44.	14.	11.	0.22	1279.05	12.10	HYDROGRAPH AT	S2N	159.	12.30	32.	10.	8.	0.16		
HYDROGRAPH AT	S2R	303.	12.10	43.	13.	11.	0.21			3 COMBINED AT	YANKB	371.	12.20	96.	43.	39.	0.55		
2 COMBINED AT	REBEL	612.	12.10	87.	27.	22.	0.43			ROUTED TO	191	345.	12.30	96.	43.	39.	0.55	1252.98	12.30
ROUTED TO	56THA	609.	12.20	87.	27.	22.	0.43	1292.93	12.20	ROUTED TO	R19A	320.	12.40	95.	43.	39.	0.55	1244.73	12.40

HYDROGRAPH AT	S2L	474.	12.00	51.	16.	13.	0.17			3 COMBINED AT	Node11	3457.	12.60	1363.	464.	376.	5.92		
2 COMBINED AT	40THA	612.	12.00	145.	60.	52.	0.72			ROUTED TO	R7A	3414.	12.70	1362.	464.	375.	5.92		
ROUTED TO	83	521.	12.10	145.	60.	52.	0.72	1241.15	12.10	2 COMBINED AT	27THB	3430.	12.70	1374.	469.	379.	5.99		
ROUTED TO	R18B	508.	12.20	145.	60.	51.	0.72	1237.42	12.20	ROUTED TO	R6B	2980.	13.20	1373.	469.	379.	5.99		
HYDROGRAPH AT	S2K	660.	12.10	89.	28.	23.	0.31			HYDROGRAPH AT	S5A	353.	12.20	57.	18.	14.	0.22		
2 COMBINED AT	Node31	1138.	12.10	233.	88.	74.	1.03			ROUTED TO	PondS5	158.	12.50	48.	18.	14.	0.22	1268.84	12.50
ROUTED TO	R18A	1037.	12.20	233.	88.	74.	1.03	1227.15	12.20	ROUTED TO	R33	136.	12.80	48.	18.	14.	0.22		
HYDROGRAPH AT	S2J	427.	12.20	71.	23.	18.	0.23			HYDROGRAPH AT	S5B	581.	12.20	93.	29.	23.	0.37		
2 COMBINED AT	Node28	1464.	12.20	304.	111.	92.	1.26			2 COMBINED AT	S5up	608.	12.20	139.	46.	37.	0.59		
ROUTED TO	R17	1302.	12.30	304.	111.	92.	1.26			ROUTED TO	R32	451.	12.40	139.	46.	37.	0.59		
2 COMBINED AT	Node25	2989.	12.40	1060.	358.	290.	4.72			HYDROGRAPH AT	S5C	474.	12.10	63.	20.	16.	0.23		
ROUTED TO	R9	2942.	12.50	1060.	358.	290.	4.72			2 COMBINED AT	S38th	786.	12.10	201.	66.	53.	0.82		
HYDROGRAPH AT	S2H	533.	12.00	58.	18.	15.	0.20			ROUTED TO	R31	510.	12.60	199.	66.	53.	0.82		
HYDROGRAPH AT	S2I1	286.	12.00	32.	10.	8.	0.11			HYDROGRAPH AT	S5E	390.	12.00	49.	15.	12.	0.18		
HYDROGRAPH AT	S2I2	337.	12.20	58.	18.	15.	0.22			ROUTED TO	S38thS	168.	12.30	48.	15.	12.	0.18	1225.23	12.30
4 COMBINED AT	Node21	3261.	12.50	1201.	404.	328.	5.25			ROUTED TO	R34	88.	12.90	47.	15.	12.	0.18		
ROUTED TO	R8	3258.	12.50	1201.	404.	327.	5.25			HYDROGRAPH AT	S5G	367.	12.00	39.	12.	10.	0.15		
HYDROGRAPH AT	S2G	219.	12.00	27.	8.	7.	0.09			HYDROGRAPH AT	S5F	618.	12.00	70.	22.	17.	0.28		
2 COMBINED AT	ROKEBY	3299.	12.50	1226.	412.	334.	5.34			4 COMBINED AT	RRjctn	1202.	12.00	353.	115.	93.	1.43		
ROUTED TO	R7C	3264.	12.60	1225.	412.	334.	5.34			HYDROGRAPH AT	S5D	841.	12.00	93.	29.	23.	0.34		
HYDROGRAPH AT	S2F2	441.	12.00	52.	16.	13.	0.18			2 COMBINED AT	Saltil	2043.	12.00	445.	144.	116.	1.77		
2 COMBINED AT	Node15	3323.	12.60	1274.	429.	347.	5.52			HYDROGRAPH AT	S2B1	251.	12.00	31.	10.	8.	0.14		
ROUTED TO	R7B	3289.	12.60	1274.	429.	347.	5.52			3 COMBINED AT	BNSFB	3658.	13.00	1841.	623.	503.	7.90		
HYDROGRAPH AT	S2E	560.	12.10	74.	23.	19.	0.25			ROUTED TO	R6A	3648.	13.10	1841.	623.	503.	7.90		
ROUTED TO	S2EDAM	127.	12.50	52.	23.	19.	0.25	1223.51	12.50	HYDROGRAPH AT	S1G	449.	12.10	60.	19.	16.	0.19		
HYDROGRAPH AT	S2F1	351.	12.00	39.	12.	10.	0.15			HYDROGRAPH AT	S1F	219.	12.30	46.	15.	12.	0.14		
										2 COMBINED AT	Node12	608.	12.10	106.	34.	28.	0.33		

5 Year Flow Rates

RUNOFF SUMMARY									
FLOW IN CUBIC FEET PER SECOND									
TIME IN HOURS, AREA IN SQUARE MILES									
OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD			BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
				6-HOUR	24-HOUR	72-HOUR			
HYDROGRAPH AT	S2B3	66.	12.20	12.	4.	3.	0.07		
ROUTED TO	PONDA	64.	12.30	12.	4.	3.	0.07	120.66	12.30
ROUTED TO	R6C	13.	13.10	9.	4.	3.	0.07		
HYDROGRAPH AT	S2AD	245.	12.10	32.	10.	8.	0.17		
ROUTED TO	202	45.	12.60	31.	10.	8.	0.17	1334.25	12.60
ROUTED TO	66TH	45.	12.70	31.	10.	8.	0.17	1310.06	12.70
ROUTED TO	R16C	45.	12.90	31.	10.	8.	0.17	1342.15	12.90
HYDROGRAPH AT	S2AC	160.	12.10	22.	7.	5.	0.15		
2 COMBINED AT	Node84	188.	12.10	52.	17.	13.	0.32		
ROUTED TO	R16B	180.	12.20	52.	17.	13.	0.32	1288.80	12.20
HYDROGRAPH AT	S2AF	197.	12.20	37.	11.	9.	0.22		
ROUTED TO	Ps2af	42.	13.10	36.	11.	9.	0.22	1324.17	13.10
HYDROGRAPH AT	S2AE	159.	12.20	27.	8.	7.	0.17		
2 COMBINED AT	Node19	199.	12.20	63.	20.	16.	0.39		
ROUTED TO	R26A	198.	12.20	63.	20.	16.	0.39	1298.22	12.20
ROUTED TO	201	195.	12.30	63.	20.	16.	0.39	1292.34	12.30
2 COMBINED AT	R16A	373.	12.20	116.	36.	29.	0.71		
ROUTED TO	R16A	338.	12.30	116.	36.	29.	0.71	1284.51	12.30
HYDROGRAPH AT	S2AB	195.	12.20	33.	10.	8.	0.20		
2 COMBINED AT	Node75	519.	12.30	148.	46.	37.	0.91		

HYDROGRAPH AT	S2L	382.	12.00	41.	13.	10.	0.17			3 COMBINED AT	Node11	2642.	12.60	1060.	361.	293.	5.92		
2 COMBINED AT	40THA	486.	12.00	114.	50.	43.	0.72			ROUTED TO	R7A	2556.	12.70	1059.	361.	293.	5.92		
ROUTED TO	83	447.	12.10	114.	50.	43.	0.72	1240.36	12.10	2 COMBINED AT	27THB	2568.	12.70	1068.	365.	296.	5.99		
ROUTED TO	R18B	424.	12.20	114.	50.	43.	0.72	1237.11	12.20	ROUTED TO	R6B	2288.	13.10	1067.	365.	296.	5.99		
HYDROGRAPH AT	S2K	525.	12.10	71.	22.	18.	0.31			HYDROGRAPH AT	S5A	274.	12.20	44.	14.	11.	0.22		
2 COMBINED AT	Node31	936.	12.10	184.	72.	61.	1.03			ROUTED TO	PondS5	102.	12.60	37.	14.	11.	0.22	1268.25	12.60
ROUTED TO	R18A	852.	12.20	184.	72.	61.	1.03	1226.91	12.20	ROUTED TO	R33	83.	12.90	37.	14.	11.	0.22		
HYDROGRAPH AT	S2J	345.	12.20	57.	18.	15.	0.23			HYDROGRAPH AT	S5B	448.	12.20	71.	22.	18.	0.37		
2 COMBINED AT	Node28	1197.	12.20	241.	90.	76.	1.26			2 COMBINED AT	S5up	468.	12.20	107.	36.	29.	0.59		
ROUTED TO	R17	1081.	12.30	241.	90.	75.	1.26			ROUTED TO	R32	350.	12.40	107.	36.	29.	0.59		
2 COMBINED AT	Node25	2295.	12.40	824.	277.	226.	4.72			HYDROGRAPH AT	S5C	372.	12.10	49.	15.	12.	0.23		
ROUTED TO	R9	2235.	12.50	824.	277.	226.	4.72			2 COMBINED AT	S38th	616.	12.10	155.	51.	41.	0.82		
HYDROGRAPH AT	S2H	424.	12.00	46.	14.	11.	0.20			ROUTED TO	R31	399.	12.60	154.	51.	41.	0.82		
HYDROGRAPH AT	S2I1	228.	12.00	25.	8.	6.	0.11			HYDROGRAPH AT	S5E	305.	12.00	39.	12.	10.	0.18		
HYDROGRAPH AT	S2I2	262.	12.20	46.	14.	11.	0.22			ROUTED TO	S38thS	109.	12.30	38.	12.	10.	0.18	1224.55	12.30
4 COMBINED AT	Node21	2503.	12.40	936.	314.	255.	5.25			ROUTED TO	R34	69.	12.90	37.	12.	10.	0.18		
ROUTED TO	R8	2503.	12.50	935.	314.	255.	5.25			HYDROGRAPH AT	S5G	285.	12.00	30.	9.	7.	0.15		
HYDROGRAPH AT	S2G	175.	12.00	21.	7.	5.	0.09			HYDROGRAPH AT	S5F	476.	12.00	54.	17.	13.	0.28		
2 COMBINED AT	ROKEBY	2536.	12.50	955.	320.	260.	5.34			4 COMBINED AT	RRjctn	922.	12.00	273.	89.	72.	1.43		
ROUTED TO	R7C	2497.	12.50	954.	320.	260.	5.34			HYDROGRAPH AT	S5D	661.	12.00	73.	23.	18.	0.34		
HYDROGRAPH AT	S2F2	351.	12.00	41.	13.	10.	0.18			2 COMBINED AT	Salt1l	1584.	12.00	345.	112.	90.	1.77		
2 COMBINED AT	Node15	2558.	12.50	993.	333.	271.	5.52			HYDROGRAPH AT	S2B1	187.	12.00	23.	7.	6.	0.14		
ROUTED TO	R7B	2534.	12.60	993.	333.	271.	5.52			3 COMBINED AT	BNSFB	2812.	13.00	1429.	484.	391.	7.90		
HYDROGRAPH AT	S2E	449.	12.10	59.	19.	15.	0.25			ROUTED TO	R6A	2804.	13.10	1429.	484.	391.	7.90		
ROUTED TO	S2EDAM	75.	12.70	39.	18.	15.	0.25	1222.95	12.70	HYDROGRAPH AT	S1G	366.	12.10	49.	16.	13.	0.19		
HYDROGRAPH AT	S2F1	275.	12.00	30.	9.	8.	0.15			HYDROGRAPH AT	S1F	180.	12.30	38.	12.	10.	0.14		
										2 COMBINED AT	Node12	496.	12.10	87.	28.	22.	0.33		

2 Year Flow Rates

RUNOFF SUMMARY									
FLOW IN CUBIC FEET PER SECOND									
TIME IN HOURS, AREA IN SQUARE MILES									
OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD			BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
				6-HOUR	24-HOUR	72-HOUR			
HYDROGRAPH AT	S2B3	40.	12.20	7.	2.	2.	0.07		
ROUTED TO	PONDA	37.	12.30	7.	2.	2.	0.07	120.12	12.30
ROUTED TO	R6C	8.	13.20	6.	2.	2.	0.07		
HYDROGRAPH AT	S2AD	157.	12.10	21.	6.	5.	0.17		
ROUTED TO	202	42.	12.50	20.	6.	5.	0.17	1332.83	12.50
ROUTED TO	66TH	41.	12.40	20.	6.	5.	0.17	1309.88	12.40
ROUTED TO	R16C	41.	12.70	20.	6.	5.	0.17	1342.11	12.70
HYDROGRAPH AT	S2AC	93.	12.10	13.	4.	3.	0.15		
2 COMBINED AT	Node84	108.	12.10	33.	10.	8.	0.32		
ROUTED TO	R16B	104.	12.20	33.	10.	8.	0.32	1288.56	12.20
HYDROGRAPH AT	S2AF	119.	12.30	23.	7.	6.	0.22		
ROUTED TO	Ps2af	41.	12.90	23.	7.	6.	0.22	1322.27	12.90
HYDROGRAPH AT	S2AE	95.	12.20	17.	5.	4.	0.17		
2 COMBINED AT	Node19	135.	12.20	39.	12.	10.	0.39		
ROUTED TO	R26A	135.	12.20	39.	12.	10.	0.39	1297.58	12.20
ROUTED TO	201	134.	12.20	39.	12.	10.	0.39	1290.70	12.20
2 COMBINED AT	R16A	238.	12.20	72.	23.	18.	0.71		
ROUTED TO	R16A	213.	12.40	72.	23.	18.	0.71	1284.32	12.40
HYDROGRAPH AT	S2AB	119.	12.20	21.	6.	5.	0.20		
2 COMBINED AT	Node75	316.	12.30	92.	29.	23.	0.91		

HYDROGRAPH AT	S2L	270.	12.00	29.	9.	7.	0.17			3 COMBINED AT	Node11	1669.	12.60	697.	242.	197.	5.92		
2 COMBINED AT	40THA	332.	12.00	79.	38.	34.	0.72			ROUTED TO	R7A	1641.	12.70	697.	242.	197.	5.92		
ROUTED TO	83	313.	12.10	79.	38.	34.	0.72	1239.04	12.10	2 COMBINED AT	27THB	1648.	12.70	702.	244.	199.	5.99		
ROUTED TO	R18B	287.	12.10	78.	38.	34.	0.72	1236.53	12.10	ROUTED TO	R6B	1471.	13.00	701.	244.	199.	5.99		
HYDROGRAPH AT	S2K	361.	12.10	49.	15.	12.	0.31			HYDROGRAPH AT	S5A	179.	12.20	29.	9.	7.	0.22		
2 COMBINED AT	Node31	649.	12.10	127.	54.	46.	1.03			ROUTED TO	PondS5	35.	12.90	26.	9.	7.	0.22	1267.26	12.90
ROUTED TO	R18A	592.	12.20	127.	54.	46.	1.03	1226.47	12.20	ROUTED TO	R33	33.	13.30	26.	9.	7.	0.22		
HYDROGRAPH AT	S2J	245.	12.20	41.	13.	10.	0.23			HYDROGRAPH AT	S5B	290.	12.20	47.	14.	12.	0.37		
2 COMBINED AT	Node28	837.	12.20	168.	66.	57.	1.26			2 COMBINED AT	S5up	307.	12.20	71.	23.	19.	0.59		
ROUTED TO	R17	768.	12.30	167.	66.	56.	1.26			ROUTED TO	R32	234.	12.40	70.	23.	19.	0.59		
2 COMBINED AT	Node25	1491.	12.40	537.	185.	152.	4.72			HYDROGRAPH AT	S5C	251.	12.10	33.	10.	8.	0.23		
ROUTED TO	R9	1450.	12.50	537.	185.	152.	4.72			2 COMBINED AT	S38th	408.	12.20	103.	34.	27.	0.82		
HYDROGRAPH AT	S2H	293.	12.00	31.	10.	8.	0.20			ROUTED TO	R31	253.	12.60	101.	34.	27.	0.82		
HYDROGRAPH AT	S2I1	157.	12.00	17.	5.	4.	0.11			HYDROGRAPH AT	S5E	203.	12.00	26.	8.	6.	0.18		
HYDROGRAPH AT	S2I2	173.	12.20	30.	9.	8.	0.22			ROUTED TO	S38thS	59.	12.40	25.	8.	6.	0.18	1223.45	12.40
4 COMBINED AT	Node21	1667.	12.40	614.	210.	172.	5.25			ROUTED TO	R34	45.	13.20	25.	8.	6.	0.18		
ROUTED TO	R8	1650.	12.50	613.	210.	172.	5.25			HYDROGRAPH AT	S5G	188.	12.00	20.	6.	5.	0.15		
HYDROGRAPH AT	S2G	121.	12.00	15.	5.	4.	0.09			HYDROGRAPH AT	S5F	307.	12.00	35.	11.	9.	0.28		
2 COMBINED AT	ROKEBY	1674.	12.50	627.	214.	175.	5.34			4 COMBINED AT	RRjctn	592.	12.00	180.	59.	47.	1.43		
ROUTED TO	R7C	1626.	12.50	627.	214.	175.	5.34			HYDROGRAPH AT	S5D	445.	12.00	49.	15.	12.	0.34		
HYDROGRAPH AT	S2F2	241.	12.00	28.	9.	7.	0.18			2 COMBINED AT	Saltil	1037.	12.00	228.	74.	59.	1.77		
2 COMBINED AT	Node15	1669.	12.50	654.	223.	182.	5.52			HYDROGRAPH AT	S2B1	113.	12.00	15.	4.	4.	0.14		
ROUTED TO	R7B	1621.	12.60	653.	223.	182.	5.52			3 COMBINED AT	BNSFB	1827.	12.90	941.	323.	262.	7.90		
HYDROGRAPH AT	S2E	313.	12.10	41.	13.	10.	0.25			ROUTED TO	R6A	1822.	13.00	941.	323.	262.	7.90		
ROUTED TO	S2EDAM	27.	13.20	25.	13.	10.	0.25	1222.04	13.20	HYDROGRAPH AT	S1G	264.	12.10	35.	11.	9.	0.19		
HYDROGRAPH AT	S2F1	183.	12.00	20.	6.	5.	0.15			HYDROGRAPH AT	S1F	131.	12.30	28.	9.	7.	0.14		
										2 COMBINED AT	Node12	357.	12.10	63.	20.	16.	0.33		

1 Year Flow Rates

RUNOFF SUMMARY									
FLOW IN CUBIC FEET PER SECOND									
TIME IN HOURS, AREA IN SQUARE MILES									
OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD			BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
				6-HOUR	24-HOUR	72-HOUR			
HYDROGRAPH AT	S2B3	26.	12.20	5.	2.	1.	0.07		
ROUTED TO	PONDA	26.	12.30	5.	2.	1.	0.07	119.39	12.30
ROUTED TO	R6C	5.	13.30	4.	2.	1.	0.07		
HYDROGRAPH AT	S2AD	111.	12.10	15.	4.	4.	0.17		
ROUTED TO	202	35.	12.50	14.	4.	4.	0.17	1332.06	12.50
ROUTED TO	66TH	35.	12.40	14.	4.	4.	0.17	1309.57	12.40
ROUTED TO	R16C	34.	12.70	14.	4.	4.	0.17	1342.04	12.70
HYDROGRAPH AT	S2AC	59.	12.10	9.	3.	2.	0.15		
2 COMBINED AT	Node84	68.	12.20	23.	7.	6.	0.32		
ROUTED TO	R16B	64.	12.30	22.	7.	6.	0.32	1288.39	12.30
HYDROGRAPH AT	S2AF	80.	12.30	16.	5.	4.	0.22		
ROUTED TO	Ps2af	40.	12.70	16.	5.	4.	0.22	1321.45	12.70
HYDROGRAPH AT	S2AE	62.	12.20	11.	4.	3.	0.17		
2 COMBINED AT	Node19	100.	12.30	27.	8.	7.	0.39		
ROUTED TO	R26A	100.	12.30	27.	8.	7.	0.39	1297.10	12.30
ROUTED TO	201	100.	12.30	27.	8.	7.	0.39	1289.69	12.30
2 COMBINED AT	R16A	164.	12.30	49.	16.	13.	0.71		
ROUTED TO	R16A	143.	12.50	49.	16.	13.	0.71	1284.21	12.50
HYDROGRAPH AT	S2AB	79.	12.20	14.	4.	4.	0.20		
2 COMBINED AT	Node75	204.	12.40	63.	20.	16.	0.91		

HYDROGRAPH AT	S2L	207.	12.00	22.	7.	6.	0.17			3 COMBINED AT	Node11	1160.	12.70	512.	181.	148.	5.92		
2 COMBINED AT	40THA	249.	12.00	61.	33.	30.	0.72			ROUTED TO	R7A	1142.	12.80	511.	181.	148.	5.92		
ROUTED TO	83	239.	12.00	61.	33.	30.	0.72	1238.25	12.00	2 COMBINED AT	27THB	1147.	12.80	515.	182.	149.	5.99		
ROUTED TO	R18B	217.	12.10	61.	33.	30.	0.72	1236.17	12.10	ROUTED TO	R6B	1109.	13.00	514.	182.	149.	5.99		
HYDROGRAPH AT	S2K	271.	12.10	37.	11.	9.	0.31			HYDROGRAPH AT	S5A	129.	12.20	21.	7.	5.	0.22		
2 COMBINED AT	Node31	489.	12.10	97.	44.	39.	1.03			ROUTED TO	PondS5	25.	13.00	21.	7.	5.	0.22	1266.27	13.00
ROUTED TO	R18A	449.	12.20	97.	44.	39.	1.03	1226.12	12.20	ROUTED TO	R33	24.	13.80	20.	7.	5.	0.22		
HYDROGRAPH AT	S2J	189.	12.20	32.	10.	8.	0.23			HYDROGRAPH AT	S5B	206.	12.20	34.	10.	8.	0.37		
2 COMBINED AT	Node28	638.	12.20	129.	54.	47.	1.26			2 COMBINED AT	S5up	220.	12.20	54.	17.	14.	0.59		
ROUTED TO	R17	595.	12.30	129.	54.	47.	1.26			ROUTED TO	R32	169.	12.40	53.	17.	14.	0.59		
2 COMBINED AT	Node25	1066.	12.30	387.	138.	114.	4.72			HYDROGRAPH AT	S5C	185.	12.10	25.	8.	6.	0.23		
ROUTED TO	R9	1039.	12.40	387.	138.	114.	4.72			2 COMBINED AT	S38th	293.	12.20	78.	24.	20.	0.82		
HYDROGRAPH AT	S2H	221.	12.00	24.	7.	6.	0.20			ROUTED TO	R31	182.	12.60	76.	24.	20.	0.82		
HYDROGRAPH AT	S2I1	118.	12.00	13.	4.	3.	0.11			HYDROGRAPH AT	S5E	150.	12.10	19.	6.	5.	0.18		
HYDROGRAPH AT	S2I2	125.	12.20	22.	7.	6.	0.22			ROUTED TO	S38thS	44.	12.40	19.	6.	5.	0.18	1222.66	12.40
4 COMBINED AT	Node21	1207.	12.40	444.	156.	129.	5.25			ROUTED TO	R34	33.	13.20	19.	6.	5.	0.18		
ROUTED TO	R8	1160.	12.50	444.	156.	129.	5.25			HYDROGRAPH AT	S5G	136.	12.00	14.	4.	4.	0.15		
HYDROGRAPH AT	S2G	92.	12.00	11.	3.	3.	0.09			HYDROGRAPH AT	S5F	218.	12.00	26.	8.	6.	0.28		
2 COMBINED AT	ROKEBY	1179.	12.50	455.	160.	131.	5.34			4 COMBINED AT	RRjctn	418.	12.00	134.	43.	34.	1.43		
ROUTED TO	R7C	1112.	12.60	454.	160.	131.	5.34			HYDROGRAPH AT	S5D	328.	12.00	36.	11.	9.	0.34		
HYDROGRAPH AT	S2F2	180.	12.00	21.	7.	5.	0.18			2 COMBINED AT	Saltil	746.	12.00	170.	54.	43.	1.77		
2 COMBINED AT	Node15	1139.	12.60	474.	166.	137.	5.52			HYDROGRAPH AT	S2B1	77.	12.10	10.	3.	2.	0.14		
ROUTED TO	R7B	1121.	12.70	474.	166.	137.	5.52			3 COMBINED AT	BNSFB	1380.	12.90	691.	239.	195.	7.90		
HYDROGRAPH AT	S2E	238.	12.10	31.	10.	8.	0.25			ROUTED TO	R6A	1374.	13.00	691.	239.	195.	7.90		
ROUTED TO	S2EDAM	24.	13.00	24.	10.	8.	0.25	1221.15	13.00	HYDROGRAPH AT	S1G	206.	12.10	27.	9.	7.	0.19		
HYDROGRAPH AT	S2F1	133.	12.00	15.	5.	4.	0.15			HYDROGRAPH AT	S1F	104.	12.30	22.	7.	6.	0.14		
										2 COMBINED AT	Node12	280.	12.10	49.	16.	12.	0.33		

Concept Master Plan B

500-Year Flow Rates

RUNOFF SUMMARY									
FLOW IN CUBIC FEET PER SECOND									
TIME IN HOURS, AREA IN SQUARE MILES									
OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD			BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
				6-HOUR	24-HOUR	72-HOUR			
HYDROGRAPH AT	S2B3	198.	12.20	34.	11.	9.	0.07		
ROUTED TO	PONDA	192.	12.30	34.	11.	9.	0.07	122.11	12.30
ROUTED TO	R6C	40.	13.10	28.	11.	9.	0.07		
HYDROGRAPH AT	S2AD	669.	12.10	87.	28.	22.	0.17		
ROUTED TO	202	52.	13.20	51.	28.	22.	0.17	1339.20	13.20
ROUTED TO	66TH	52.	13.30	51.	28.	22.	0.17	1310.38	13.30
ROUTED TO	R16C	52.	13.40	51.	28.	22.	0.17	1342.21	13.30
HYDROGRAPH AT	S2AC	511.	12.10	69.	22.	17.	0.15		
2 COMBINED AT	Node84	556.	12.10	118.	49.	39.	0.32		
ROUTED TO	R16B	535.	12.10	117.	49.	39.	0.32	1289.50	12.10
HYDROGRAPH AT	S2AF	597.	12.20	107.	34.	27.	0.22		
ROUTED TO	Ps2af	57.	13.80	47.	34.	27.	0.22	1330.08	13.80
HYDROGRAPH AT	S2AE	488.	12.20	81.	25.	20.	0.17		
2 COMBINED AT	Node19	531.	12.20	126.	59.	47.	0.39		
ROUTED TO	R26A	531.	12.20	126.	59.	47.	0.39	1299.86	12.20
ROUTED TO	201	536.	12.20	126.	59.	47.	0.39	1294.68	12.20
2 COMBINED AT	R16A	1047.	12.20	244.	108.	87.	0.71		
ROUTED TO	R16A	982.	12.20	243.	108.	87.	0.71	1285.12	12.20
HYDROGRAPH AT	S2AB	585.	12.20	97.	31.	25.	0.20		
2 COMBINED AT	Node75	1567.	12.20	339.	139.	112.	0.91		

ROUTED TO	R15	1390.	12.30	339.	139.	111.	0.91			ROUTED TO	56THA	1376.	12.20	200.	62.	50.	0.43	1293.88	12.20
HYDROGRAPH AT	S2AA	490.	12.30	92.	29.	23.	0.20			ROUTED TO	93	1013.	12.30	200.	62.	50.	0.43	1283.02	12.30
2 COMBINED AT	56THB	1880.	12.30	430.	168.	135.	1.11			ROUTED TO	S53RD	839.	12.60	200.	62.	50.	0.43	1272.48	12.60
ROUTED TO	R14C	1805.	12.40	430.	168.	135.	1.11			ROUTED TO	R23A	837.	12.60	200.	62.	50.	0.43	1271.05	12.60
HYDROGRAPH AT	S2Z	374.	12.10	57.	18.	14.	0.11			HYDROGRAPH AT	S2Q	450.	12.10	68.	21.	17.	0.14		
ROUTED TO	91	323.	12.20	57.	18.	14.	0.11	1281.25	12.20	2 COMBINED AT	Node95	991.	12.50	268.	84.	67.	0.57		
2 COMBINED AT	Node64	2091.	12.40	485.	185.	149.	1.22			ROUTED TO	R22	985.	12.50	267.	84.	67.	0.57		
ROUTED TO	R14B	2108.	12.40	485.	185.	149.	1.22			HYDROGRAPH AT	S2P	464.	12.20	84.	26.	21.	0.19		
HYDROGRAPH AT	S2Y	728.	12.30	139.	44.	35.	0.27			2 COMBINED AT	Node92	1430.	12.30	351.	110.	88.	0.76		
ROUTED TO	90	609.	12.40	139.	44.	35.	0.27	1293.22	12.40	ROUTED TO	R21	1089.	12.70	346.	110.	88.	0.76		
ROUTED TO	R25	598.	12.50	139.	44.	35.	0.27	2.96	12.50	HYDROGRAPH AT	S2U	469.	12.10	65.	21.	17.	0.12		
ROUTED TO	CLV310	602.	12.50	139.	44.	35.	0.27	1266.46	12.50	HYDROGRAPH AT	S2O	973.	12.10	143.	46.	37.	0.27		
HYDROGRAPH AT	S2X	243.	12.20	45.	14.	12.	0.09			4 COMBINED AT	40THB	4742.	12.50	1396.	477.	383.	3.10		
3 COMBINED AT	Node62	2811.	12.40	668.	244.	196.	1.58			ROUTED TO	R11	4731.	12.50	1396.	477.	383.	3.10	110.83	12.50
ROUTED TO	R14A	2784.	12.50	668.	244.	196.	1.58			HYDROGRAPH AT	S2T	1486.	12.10	203.	65.	53.	0.36		
HYDROGRAPH AT	S2W	417.	12.30	79.	25.	20.	0.16			ROUTED TO	R20	1345.	12.20	203.	65.	53.	0.36		
2 COMBINED AT	Node57	3127.	12.40	746.	269.	216.	1.74			2 COMBINED AT	Node44	5430.	12.20	1594.	542.	436.	3.46		
ROUTED TO	R13	3124.	12.50	746.	269.	216.	1.74	109.21	12.50	ROUTED TO	R10	5297.	12.50	1594.	542.	436.	3.46	111.36	12.50
HYDROGRAPH AT	S2V	889.	12.00	104.	33.	26.	0.21			HYDROGRAPH AT	S2M2	547.	12.30	103.	32.	26.	0.23		
2 COMBINED AT	Node54	3277.	12.50	848.	301.	242.	1.95			ROUTED TO	S2MDAM	96.	13.30	69.	37.	34.	0.23	4.08	13.30
ROUTED TO	R12	3248.	12.50	848.	301.	242.	1.95	108.97	12.50	ROUTED TO	R19B	95.	13.40	68.	37.	34.	0.23	1255.06	13.40
HYDROGRAPH AT	S2S	764.	12.10	101.	32.	25.	0.22			HYDROGRAPH AT	S2M1	498.	12.10	74.	23.	18.	0.16		
ROUTED TO	R24B	740.	12.10	101.	32.	25.	0.22	1280.18	12.10	HYDROGRAPH AT	S2N	375.	12.30	73.	23.	18.	0.16		
HYDROGRAPH AT	S2R	701.	12.10	98.	31.	25.	0.21			3 COMBINED AT	YANKB	852.	12.20	209.	83.	71.	0.55		
2 COMBINED AT	REBEL	1441.	12.10	200.	62.	50.	0.43			ROUTED TO	191	663.	12.40	209.	83.	71.	0.55	1256.59	12.40

HYDROGRAPH AT	S2B1	562.	12.00	68.	21.	17.	0.14			ROUTED TO	R1A	1002.	12.60	333.	115.	93.	1.17		
3 COMBINED AT	BNSFB	8263.	12.40	3134.	1157.	930.	7.90			HYDROGRAPH AT	S1A1	902.	12.00	111.	34.	28.	0.29		
ROUTED TO	R6A	8229.	12.40	3134.	1156.	930.	7.90			2 COMBINED AT	14TH	1487.	12.10	444.	150.	120.	1.46		
HYDROGRAPH AT	S1G	829.	12.10	112.	37.	30.	0.19			HYDROGRAPH AT	S1A4	217.	12.10	30.	9.	8.	0.06		
HYDROGRAPH AT	S1F	398.	12.30	84.	28.	23.	0.14			HYDROGRAPH AT	BNDitc	1285.	12.50	297.	92.	74.	0.00		
2 COMBINED AT	Node12	1120.	12.10	197.	65.	52.	0.33			2 COMBINED AT	Yankee	1351.	12.50	327.	101.	81.	0.06		
ROUTED TO	R5	1045.	12.20	197.	65.	52.	0.33			HYDROGRAPH AT	S2B2	192.	12.20	32.	10.	8.	0.07		
HYDROGRAPH AT	S1E	622.	12.10	97.	31.	25.	0.17			ROUTED TO	det-u	175.	12.30	31.	10.	8.	0.07		
ROUTED TO	27THA	165.	12.70	94.	31.	25.	0.17			HYDROGRAPH AT	S2A	725.	12.00	90.	28.	22.	0.24		
ROUTED TO	R3	153.	13.50	94.	31.	25.	0.17			HYDROGRAPH AT	S2C	1757.	12.00	192.	61.	49.	0.35		
HYDROGRAPH AT	S1D	837.	12.10	120.	40.	32.	0.20			6 COMBINED AT	NULLB	11569.	12.20	4210.	1505.	1211.	10.08		
3 COMBINED AT	Node11	1881.	12.10	405.	135.	109.	0.70												
ROUTED TO	D37	1508.	12.30	405.	135.	109.	0.70	1212.03	12.30	*** NORMAL END OF HEC-1 ***									
ROUTED TO	R2	1431.	12.40	405.	135.	109.	0.70												
HYDROGRAPH AT	S1C	549.	12.20	102.	33.	26.	0.19												
ROUTED TO	PONDN	535.	12.30	102.	33.	26.	0.19	112.43	12.30										
HYDROGRAPH AT	S1B	351.	12.10	47.	15.	12.	0.11												
2 COMBINED AT	Node14	775.	12.20	150.	47.	38.	0.30												
ROUTED TO	R4	742.	12.30	149.	47.	38.	0.30												
ROUTED TO	PONDK	680.	12.40	148.	47.	38.	0.30	94.74	12.40										
2 COMBINED AT	Node10	2111.	12.40	551.	182.	147.	1.00												
ROUTED TO	R1B	2019.	12.60	551.	182.	147.	1.00												
HYDROGRAPH AT	S1A3	453.	12.20	80.	25.	20.	0.17												
2 COMBINED AT	Node9	2302.	12.50	631.	207.	167.	1.17												
DIVERSION TO	BNDitc	1285.	12.50	297.	92.	74.	1.17												
HYDROGRAPH AT	Node9A	1017.	12.50	333.	115.	93.	1.17												

100-Year Flow Rates

RUNOFF SUMMARY FLOW IN CUBIC FEET PER SECOND TIME IN HOURS, AREA IN SQUARE MILES									
OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD			BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
				6-HOUR	24-HOUR	72-HOUR			
HYDROGRAPH AT	S2B3	150.	12.20	26.	8.	6.	0.07		
ROUTED TO	PONDA	145.	12.30	26.	8.	6.	0.07	121.64	12.30
ROUTED TO	R6C	30.	13.10	21.	8.	6.	0.07		
HYDROGRAPH AT	S2AD	517.	12.10	67.	21.	17.	0.17		
ROUTED TO	202	51.	13.00	49.	21.	17.	0.17	1337.69	13.00
ROUTED TO	66TH	51.	13.00	49.	21.	17.	0.17	1310.30	13.00
ROUTED TO	R16C	51.	13.20	49.	21.	17.	0.17	1342.20	13.20
HYDROGRAPH AT	S2AC	382.	12.10	52.	16.	13.	0.15		
2 COMBINED AT	Node84	425.	12.10	98.	37.	30.	0.32		
ROUTED TO	R16B	403.	12.10	98.	37.	30.	0.32	1289.29	12.10
HYDROGRAPH AT	S2AF	452.	12.20	81.	25.	20.	0.22		
ROUTED TO	Ps2af	44.	13.80	44.	25.	20.	0.22	1328.15	13.80
HYDROGRAPH AT	S2AE	368.	12.20	61.	19.	15.	0.17		
2 COMBINED AT	Node19	410.	12.20	104.	45.	36.	0.39		
ROUTED TO	R26A	410.	12.20	104.	45.	36.	0.39	1299.43	12.20
ROUTED TO	201	404.	12.20	104.	45.	36.	0.39	1294.43	12.20
2 COMBINED AT	R16A	798.	12.20	202.	82.	66.	0.71		
ROUTED TO	R16A	747.	12.30	202.	82.	66.	0.71	1284.93	12.30
HYDROGRAPH AT	S2AB	443.	12.20	74.	23.	19.	0.20		
2 COMBINED AT	Node75	1174.	12.20	274.	105.	84.	0.91		

ROUTED TO	R15	1056.	12.40	274.	105.	84.	0.91			ROUTED TO	56THA	1042.	12.10	150.	47.	37.	0.43	1293.46	12.10
HYDROGRAPH AT	S2AA	366.	12.30	69.	21.	17.	0.20			ROUTED TO	93	830.	12.30	150.	47.	37.	0.43	1281.10	12.30
2 COMBINED AT	56THB	1411.	12.30	341.	126.	101.	1.11			ROUTED TO	S53RD	646.	12.50	150.	47.	37.	0.43	1271.48	12.50
ROUTED TO	R14C	1361.	12.40	341.	126.	101.	1.11			ROUTED TO	R23A	643.	12.50	150.	47.	37.	0.43	1270.53	12.50
HYDROGRAPH AT	S2Z	287.	12.10	43.	14.	11.	0.11			HYDROGRAPH AT	S2Q	340.	12.10	52.	16.	13.	0.14		
ROUTED TO	91	268.	12.20	43.	14.	11.	0.11	1280.19	12.20	2 COMBINED AT	Node95	813.	12.30	202.	63.	50.	0.57		
2 COMBINED AT	Node64	1552.	12.40	383.	140.	112.	1.22			ROUTED TO	R22	806.	12.40	201.	63.	50.	0.57		
ROUTED TO	R14B	1551.	12.40	383.	140.	112.	1.22			HYDROGRAPH AT	S2P	341.	12.20	62.	19.	15.	0.19		
HYDROGRAPH AT	S2Y	560.	12.30	107.	34.	27.	0.27			2 COMBINED AT	Node92	1136.	12.30	263.	82.	66.	0.76		
ROUTED TO	90	488.	12.40	107.	34.	27.	0.27	1291.18	12.40	ROUTED TO	R21	814.	12.70	259.	82.	66.	0.76		
ROUTED TO	R25	480.	12.50	107.	34.	27.	0.27	2.66	12.50	HYDROGRAPH AT	S2U	366.	12.10	50.	16.	13.	0.12		
ROUTED TO	CLV310	467.	12.60	107.	34.	27.	0.27	1266.29	12.60	HYDROGRAPH AT	S2O	755.	12.10	111.	35.	28.	0.27		
HYDROGRAPH AT	S2X	186.	12.30	35.	11.	9.	0.09			4 COMBINED AT	40THB	3510.	12.50	1075.	361.	290.	3.10		
3 COMBINED AT	Node62	2050.	12.50	523.	184.	148.	1.58			ROUTED TO	R11	3506.	12.50	1075.	361.	290.	3.10	109.47	12.50
ROUTED TO	R14A	2055.	12.50	523.	184.	148.	1.58			HYDROGRAPH AT	S2T	1175.	12.10	160.	51.	41.	0.36		
HYDROGRAPH AT	S2W	317.	12.30	60.	19.	15.	0.16			ROUTED TO	R20	1060.	12.20	160.	51.	41.	0.36		
2 COMBINED AT	Node57	2298.	12.50	583.	203.	163.	1.74			2 COMBINED AT	Node44	4050.	12.50	1230.	412.	331.	3.46		
ROUTED TO	R13	2290.	12.50	583.	203.	163.	1.74	108.00	12.50	ROUTED TO	R10	4013.	12.50	1230.	412.	331.	3.46	110.78	12.50
HYDROGRAPH AT	S2V	677.	12.00	79.	25.	20.	0.21			HYDROGRAPH AT	S2M2	406.	12.30	77.	24.	19.	0.23		
2 COMBINED AT	Node54	2409.	12.50	660.	228.	183.	1.95			ROUTED TO	S2MDAM	61.	13.40	51.	31.	29.	0.23	3.06	13.50
ROUTED TO	R12	2366.	12.50	660.	228.	183.	1.95	107.75	12.50	ROUTED TO	R19B	61.	13.60	51.	31.	28.	0.23	1254.88	13.60
HYDROGRAPH AT	S2S	572.	12.10	76.	24.	19.	0.22			HYDROGRAPH AT	S2M1	371.	12.10	55.	17.	14.	0.16		
ROUTED TO	R24B	549.	12.10	76.	24.	19.	0.22	1279.75	12.10	HYDROGRAPH AT	S2N	280.	12.30	55.	17.	14.	0.16		
HYDROGRAPH AT	S2R	526.	12.10	74.	23.	18.	0.21			3 COMBINED AT	YANKB	639.	12.20	157.	65.	56.	0.55		
2 COMBINED AT	REBEL	1075.	12.10	150.	47.	37.	0.43			ROUTED TO	191	551.	12.30	157.	65.	56.	0.55	1255.16	12.30

50-Year Flow Rates

RUNOFF SUMMARY									
FLOW IN CUBIC FEET PER SECOND									
TIME IN HOURS, AREA IN SQUARE MILES									
OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD			BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
				6-HOUR	24-HOUR	72-HOUR			
HYDROGRAPH AT	S2B3	128.	12.20	22.	7.	6.	0.07		
ROUTED TO	PONDA	125.	12.30	22.	7.	6.	0.07	121.43	12.30
ROUTED TO	R6C	26.	13.10	18.	7.	5.	0.07		
HYDROGRAPH AT	S2AD	449.	12.10	58.	18.	15.	0.17		
ROUTED TO	202	50.	12.90	48.	18.	15.	0.17	1336.95	12.90
ROUTED TO	66TH	50.	12.90	48.	18.	15.	0.17	1310.26	12.90
ROUTED TO	R16C	50.	13.10	48.	18.	15.	0.17	1342.19	13.10
HYDROGRAPH AT	S2AC	325.	12.10	44.	14.	11.	0.15		
2 COMBINED AT	Node84	367.	12.10	90.	32.	26.	0.32		
ROUTED TO	R16B	344.	12.10	89.	32.	26.	0.32	1289.18	12.10
HYDROGRAPH AT	S2AF	387.	12.20	70.	22.	17.	0.22		
ROUTED TO	Ps2af	44.	13.60	44.	22.	17.	0.22	1327.28	13.60
HYDROGRAPH AT	S2AE	315.	12.20	53.	16.	13.	0.17		
2 COMBINED AT	Node19	357.	12.20	95.	38.	31.	0.39		
ROUTED TO	R26A	356.	12.20	95.	38.	31.	0.39	1299.18	12.20
ROUTED TO	201	350.	12.20	95.	38.	31.	0.39	1294.16	12.20
2 COMBINED AT	R16A	691.	12.20	184.	70.	56.	0.71		
ROUTED TO	R16A	646.	12.30	184.	70.	56.	0.71	1284.84	12.30
HYDROGRAPH AT	S2AB	381.	12.20	64.	20.	16.	0.20		
2 COMBINED AT	Node75	1002.	12.20	246.	90.	72.	0.91		

ROUTED TO	R15	912.	12.40	245.	90.	72.	0.91			ROUTED TO	56THA	878.	12.20	128.	40.	32.	0.43	1293.31	12.20
HYDROGRAPH AT	S2AA	311.	12.30	59.	18.	15.	0.20			ROUTED TO	93	747.	12.30	128.	40.	32.	0.43	1280.21	12.30
2 COMBINED AT	56THB	1204.	12.30	303.	108.	87.	1.11			ROUTED TO	S53RD	574.	12.50	128.	40.	32.	0.43	1270.76	12.50
ROUTED TO	R14C	1132.	12.40	303.	108.	87.	1.11			ROUTED TO	R23A	574.	12.50	128.	40.	32.	0.43	1270.30	12.50
HYDROGRAPH AT	S2Z	248.	12.10	38.	12.	9.	0.11			HYDROGRAPH AT	S2Q	292.	12.10	45.	14.	11.	0.14		
ROUTED TO	91	242.	12.20	38.	12.	9.	0.11	1279.68	12.20	2 COMBINED AT	Node95	730.	12.30	172.	53.	43.	0.57		
2 COMBINED AT	Node64	1298.	12.40	339.	120.	96.	1.22			ROUTED TO	R22	725.	12.40	172.	53.	43.	0.57		
ROUTED TO	R14B	1298.	12.40	339.	120.	96.	1.22			HYDROGRAPH AT	S2P	287.	12.20	53.	16.	13.	0.19		
HYDROGRAPH AT	S2Y	485.	12.30	92.	29.	23.	0.27			2 COMBINED AT	Node92	996.	12.30	225.	70.	56.	0.76		
ROUTED TO	90	439.	12.40	92.	29.	23.	0.27	1290.34	12.40	ROUTED TO	R21	716.	12.70	221.	70.	56.	0.76		
ROUTED TO	R25	430.	12.50	92.	29.	23.	0.27	2.54	12.50	HYDROGRAPH AT	S2U	320.	12.10	44.	14.	11.	0.12		
ROUTED TO	CLV310	408.	12.60	92.	29.	23.	0.27	1266.17	12.60	HYDROGRAPH AT	S2O	658.	12.10	97.	30.	24.	0.27		
HYDROGRAPH AT	S2X	160.	12.30	30.	9.	8.	0.09			4 COMBINED AT	40THB	3010.	12.50	934.	310.	249.	3.10		
3 COMBINED AT	Node62	1737.	12.40	460.	158.	127.	1.58			ROUTED TO	R11	2998.	12.50	934.	310.	249.	3.10	108.83	12.50
ROUTED TO	R14A	1727.	12.50	460.	158.	127.	1.58			HYDROGRAPH AT	S2T	1036.	12.10	141.	45.	36.	0.36		
HYDROGRAPH AT	S2W	273.	12.30	52.	16.	13.	0.16			ROUTED TO	R20	919.	12.20	141.	45.	36.	0.36		
2 COMBINED AT	Node57	1937.	12.50	511.	174.	140.	1.74			2 COMBINED AT	Node44	3488.	12.50	1070.	355.	285.	3.46		
ROUTED TO	R13	1937.	12.50	511.	174.	140.	1.74	107.39	12.50	ROUTED TO	R10	3422.	12.50	1070.	354.	285.	3.46	110.52	12.50
HYDROGRAPH AT	S2V	583.	12.00	69.	21.	17.	0.21			HYDROGRAPH AT	S2M2	344.	12.30	66.	20.	16.	0.23		
2 COMBINED AT	Node54	2041.	12.50	578.	196.	157.	1.95			ROUTED TO	S2MDAM	52.	13.50	44.	28.	26.	0.23	2.61	13.50
ROUTED TO	R12	2011.	12.50	577.	196.	157.	1.95	107.19	12.50	ROUTED TO	R19B	52.	13.60	44.	28.	26.	0.23	1254.81	13.60
HYDROGRAPH AT	S2S	487.	12.10	65.	20.	16.	0.22			HYDROGRAPH AT	S2M1	315.	12.10	47.	15.	12.	0.16		
ROUTED TO	R24B	465.	12.10	65.	20.	16.	0.22	1279.53	12.10	HYDROGRAPH AT	S2N	237.	12.30	47.	15.	12.	0.16		
HYDROGRAPH AT	S2R	449.	12.10	63.	20.	16.	0.21			3 COMBINED AT	YANKB	546.	12.20	135.	57.	50.	0.55		
2 COMBINED AT	REBEL	914.	12.10	128.	40.	32.	0.43			ROUTED TO	191	484.	12.30	135.	57.	50.	0.55	1254.47	12.30

25-Year Flow Rates

RUNOFF SUMMARY FLOW IN CUBIC FEET PER SECOND TIME IN HOURS, AREA IN SQUARE MILES									
OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD			BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
				6-HOUR	24-HOUR	72-HOUR			
HYDROGRAPH AT	S2B3	109.	12.20	19.	6.	5.	0.07		
ROUTED TO	PONDA	106.	12.30	19.	6.	5.	0.07	121.22	12.30
ROUTED TO	R6C	22.	13.10	15.	6.	5.	0.07		
HYDROGRAPH AT	S2AD	386.	12.10	50.	16.	13.	0.17		
ROUTED TO	202	48.	12.80	45.	16.	13.	0.17	1336.20	12.80
ROUTED TO	66TH	48.	12.90	45.	16.	13.	0.17	1310.19	12.90
ROUTED TO	R16C	48.	13.00	45.	16.	13.	0.17	1342.18	13.00
HYDROGRAPH AT	S2AC	273.	12.10	37.	11.	9.	0.15		
2 COMBINED AT	Node84	313.	12.10	81.	27.	22.	0.32		
ROUTED TO	R16B	293.	12.20	81.	27.	22.	0.32	1289.07	12.20
HYDROGRAPH AT	S2AF	328.	12.20	60.	18.	15.	0.22		
ROUTED TO	Ps2af	43.	13.40	43.	18.	15.	0.22	1326.51	13.50
HYDROGRAPH AT	S2AE	266.	12.20	45.	14.	11.	0.17		
2 COMBINED AT	Node19	307.	12.20	87.	32.	26.	0.39		
ROUTED TO	R26A	307.	12.20	87.	32.	26.	0.39	1298.95	12.20
ROUTED TO	201	306.	12.20	87.	32.	26.	0.39	1293.86	12.20
2 COMBINED AT	R16A	599.	12.20	167.	59.	48.	0.71		
ROUTED TO	R16A	556.	12.30	167.	59.	48.	0.71	1284.74	12.30
HYDROGRAPH AT	S2AB	323.	12.20	54.	17.	13.	0.20		
2 COMBINED AT	Node75	851.	12.30	219.	76.	61.	0.91		

ROUTED TO	R15	778.	12.40	219.	76.	61.	0.91			ROUTED TO	56THA	743.	12.20	108.	33.	27.	0.43	1293.15	12.20
HYDROGRAPH AT	S2AA	261.	12.30	49.	15.	12.	0.20			ROUTED TO	93	652.	12.30	108.	33.	27.	0.43	1279.31	12.30
2 COMBINED AT	56THB	1015.	12.30	268.	91.	73.	1.11			ROUTED TO	S53RD	504.	12.40	108.	33.	27.	0.43	1270.02	12.40
ROUTED TO	R14C	958.	12.50	267.	91.	73.	1.11			ROUTED TO	R23A	507.	12.50	108.	33.	27.	0.43	1270.05	12.50
HYDROGRAPH AT	S2Z	213.	12.10	32.	10.	8.	0.11			HYDROGRAPH AT	S2Q	247.	12.10	38.	12.	9.	0.14		
ROUTED TO	91	208.	12.20	32.	10.	8.	0.11	1279.02	12.20	2 COMBINED AT	Node95	643.	12.30	146.	45.	36.	0.57		
2 COMBINED AT	Node64	1091.	12.40	298.	102.	82.	1.22			ROUTED TO	R22	640.	12.40	146.	45.	36.	0.57		
ROUTED TO	R14B	1085.	12.40	298.	102.	82.	1.22			HYDROGRAPH AT	S2P	238.	12.20	44.	14.	11.	0.19		
HYDROGRAPH AT	S2Y	416.	12.30	79.	25.	20.	0.27			2 COMBINED AT	Node92	858.	12.30	190.	59.	47.	0.76		
ROUTED TO	90	391.	12.40	79.	25.	20.	0.27	1289.52	12.40	ROUTED TO	R21	605.	12.70	186.	59.	47.	0.76		
ROUTED TO	R25	379.	12.50	79.	25.	20.	0.27	2.41	12.50	HYDROGRAPH AT	S2U	277.	12.10	38.	12.	10.	0.12		
ROUTED TO	CLV310	319.	12.70	79.	25.	20.	0.27	1265.83	12.70	HYDROGRAPH AT	S2O	567.	12.10	84.	26.	21.	0.27		
HYDROGRAPH AT	S2X	137.	12.30	26.	8.	6.	0.09			4 COMBINED AT	40THB	2517.	12.60	805.	263.	211.	3.10		
3 COMBINED AT	Node62	1478.	12.40	402.	134.	108.	1.58			ROUTED TO	R11	2524.	12.60	805.	263.	211.	3.10	108.17	12.60
ROUTED TO	R14A	1472.	12.50	402.	134.	108.	1.58			HYDROGRAPH AT	S2T	906.	12.10	123.	39.	31.	0.36		
HYDROGRAPH AT	S2W	233.	12.30	45.	14.	11.	0.16			ROUTED TO	R20	786.	12.20	123.	39.	31.	0.36		
2 COMBINED AT	Node57	1652.	12.50	446.	148.	119.	1.74			2 COMBINED AT	Node44	2911.	12.50	923.	302.	243.	3.46		
ROUTED TO	R13	1646.	12.50	446.	148.	119.	1.74	106.88	12.50	ROUTED TO	R10	2870.	12.60	923.	302.	243.	3.46	110.27	12.60
HYDROGRAPH AT	S2V	497.	12.00	59.	18.	15.	0.21			HYDROGRAPH AT	S2M2	288.	12.30	55.	17.	14.	0.23		
2 COMBINED AT	Node54	1736.	12.50	502.	166.	134.	1.95			ROUTED TO	S2MDAM	44.	13.50	38.	26.	25.	0.23	2.20	13.50
ROUTED TO	R12	1705.	12.60	502.	166.	134.	1.95	106.70	12.60	ROUTED TO	R19B	44.	13.60	38.	26.	25.	0.23	1254.75	13.60
HYDROGRAPH AT	S2S	410.	12.10	54.	17.	14.	0.22			HYDROGRAPH AT	S2M1	264.	12.10	40.	12.	10.	0.16		
ROUTED TO	R24B	389.	12.10	54.	17.	14.	0.22	1279.30	12.10	HYDROGRAPH AT	S2N	199.	12.30	40.	12.	10.	0.16		
HYDROGRAPH AT	S2R	378.	12.10	54.	17.	13.	0.21			3 COMBINED AT	YANKB	461.	12.20	115.	50.	44.	0.55		
2 COMBINED AT	REBEL	767.	12.10	108.	33.	27.	0.43			ROUTED TO	191	421.	12.30	115.	50.	44.	0.55	1253.81	12.30

10-Year Flow Rates

		RUNOFF SUMMARY FLOW IN CUBIC FEET PER SECOND TIME IN HOURS, AREA IN SQUARE MILES					BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD					
				6-HOUR	24-HOUR	72-HOUR			
HYDROGRAPH AT	S2B3	88.	12.20	15.	5.	4.	0.07		
ROUTED TO	PONDA	86.	12.30	15.	5.	4.	0.07	120.97	12.30
ROUTED TO	R6C	18.	13.10	12.	5.	4.	0.07		
HYDROGRAPH AT	S2AD	319.	12.10	41.	13.	10.	0.17		
ROUTED TO	202	47.	12.70	39.	13.	10.	0.17	1335.32	12.70
ROUTED TO	66TH	47.	12.80	39.	13.	10.	0.17	1310.14	12.80
ROUTED TO	R16C	47.	13.00	39.	13.	10.	0.17	1342.17	13.00
HYDROGRAPH AT	S2AC	219.	12.10	30.	9.	7.	0.15		
2 COMBINED AT	Node84	254.	12.10	69.	22.	18.	0.32		
ROUTED TO	R16B	240.	12.20	69.	22.	18.	0.32	1288.95	12.20
HYDROGRAPH AT	S2AF	265.	12.20	49.	15.	12.	0.22		
ROUTED TO	Ps2af	43.	13.30	42.	15.	12.	0.22	1325.72	13.30
HYDROGRAPH AT	S2AE	215.	12.20	36.	11.	9.	0.17		
2 COMBINED AT	Node19	256.	12.20	77.	26.	21.	0.39		
ROUTED TO	R26A	255.	12.20	77.	26.	21.	0.39	1298.63	12.20
ROUTED TO	201	251.	12.20	77.	26.	21.	0.39	1293.49	12.20
2 COMBINED AT	R16A	491.	12.20	146.	48.	39.	0.71		
ROUTED TO	R16A	456.	12.30	145.	48.	39.	0.71	1284.64	12.30
HYDROGRAPH AT	S2AB	262.	12.20	44.	14.	11.	0.20		
2 COMBINED AT	Node75	696.	12.30	189.	62.	50.	0.91		

ROUTED TO	R15	632.	12.40	188.	62.	50.	0.91			ROUTED TO	56THA	609.	12.20	87.	27.	22.	0.43	1292.93	12.20
HYDROGRAPH AT	S2AA	209.	12.30	40.	12.	10.	0.20			ROUTED TO	93	533.	12.30	87.	27.	22.	0.43	1278.11	12.30
2 COMBINED AT	56THB	821.	12.40	227.	74.	60.	1.11			ROUTED TO	S53RD	415.	12.40	87.	27.	22.	0.43	1269.03	12.40
ROUTED TO	R14C	775.	12.50	227.	74.	60.	1.11			ROUTED TO	R23A	414.	12.40	87.	27.	22.	0.43	1269.59	12.40
HYDROGRAPH AT	S2Z	175.	12.10	27.	8.	7.	0.11			HYDROGRAPH AT	S2Q	200.	12.10	31.	10.	8.	0.14		
ROUTED TO	91	171.	12.20	27.	8.	7.	0.11	1278.31	12.20	2 COMBINED AT	Node95	532.	12.30	118.	36.	29.	0.57		
2 COMBINED AT	Node64	871.	12.40	253.	82.	66.	1.22			ROUTED TO	R22	530.	12.40	118.	36.	29.	0.57		
ROUTED TO	R14B	864.	12.50	253.	82.	66.	1.22			HYDROGRAPH AT	S2P	187.	12.20	35.	11.	9.	0.19		
HYDROGRAPH AT	S2Y	342.	12.30	65.	20.	16.	0.27			2 COMBINED AT	Node92	700.	12.30	153.	47.	38.	0.76		
ROUTED TO	90	328.	12.40	65.	20.	16.	0.27	1288.54	12.40	ROUTED TO	R21	456.	12.70	150.	47.	38.	0.76		
ROUTED TO	R25	317.	12.40	65.	20.	16.	0.27	2.25	12.40	HYDROGRAPH AT	S2U	231.	12.10	32.	10.	8.	0.12		
ROUTED TO	CLV310	272.	12.60	65.	20.	16.	0.27	1265.17	12.60	HYDROGRAPH AT	S2O	471.	12.10	70.	22.	17.	0.27		
HYDROGRAPH AT	S2X	112.	12.30	21.	7.	5.	0.09			4 COMBINED AT	40THB	2017.	12.60	666.	214.	172.	3.10		
3 COMBINED AT	Node62	1209.	12.50	339.	109.	88.	1.58			ROUTED TO	R11	2020.	12.60	666.	214.	172.	3.10	107.34	12.60
ROUTED TO	R14A	1202.	12.50	338.	109.	88.	1.58			HYDROGRAPH AT	S2T	766.	12.10	104.	33.	26.	0.36		
HYDROGRAPH AT	S2W	190.	12.30	36.	11.	9.	0.16			ROUTED TO	R20	635.	12.20	104.	33.	26.	0.36		
2 COMBINED AT	Node57	1349.	12.50	374.	121.	97.	1.74			2 COMBINED AT	Node44	2327.	12.50	766.	247.	198.	3.46		
ROUTED TO	R13	1335.	12.50	374.	121.	97.	1.74	106.19	12.50	ROUTED TO	R10	2285.	12.60	765.	247.	198.	3.46	109.82	12.60
HYDROGRAPH AT	S2V	405.	12.00	48.	15.	12.	0.21			HYDROGRAPH AT	S2M2	228.	12.30	44.	14.	11.	0.23		
2 COMBINED AT	Node54	1411.	12.50	420.	135.	109.	1.95			ROUTED TO	S2MDAM	37.	13.50	33.	24.	23.	0.23	1.70	13.50
ROUTED TO	R12	1393.	12.60	419.	135.	109.	1.95	106.02	12.60	ROUTED TO	R19B	37.	13.60	33.	24.	23.	0.23	1254.69	13.60
HYDROGRAPH AT	S2S	328.	12.10	44.	14.	11.	0.22			HYDROGRAPH AT	S2M1	210.	12.10	32.	10.	8.	0.16		
ROUTED TO	R24B	308.	12.10	44.	14.	11.	0.22	1279.05	12.10	HYDROGRAPH AT	S2N	159.	12.30	32.	10.	8.	0.16		
HYDROGRAPH AT	S2R	303.	12.10	43.	13.	11.	0.21			3 COMBINED AT	YANKB	371.	12.20	96.	43.	39.	0.55		
2 COMBINED AT	REBEL	612.	12.10	87.	27.	22.	0.43			ROUTED TO	191	345.	12.30	96.	43.	39.	0.55	1252.98	12.30

5-Year Flow Rates

		RUNOFF SUMMARY FLOW IN CUBIC FEET PER SECOND TIME IN HOURS, AREA IN SQUARE MILES					BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD					
				6-HOUR	24-HOUR	72-HOUR			
HYDROGRAPH AT	S2B3	66.	12.20	12.	4.	3.	0.07		
ROUTED TO	PONDA	64.	12.30	12.	4.	3.	0.07	120.66 12.30	
ROUTED TO	R6C	13.	13.10	9.	4.	3.	0.07		
HYDROGRAPH AT	S2AD	245.	12.10	32.	10.	8.	0.17		
ROUTED TO	202	45.	12.60	31.	10.	8.	0.17	1334.25 12.60	
ROUTED TO	66TH	45.	12.70	31.	10.	8.	0.17	1310.06 12.70	
ROUTED TO	R16C	45.	12.90	31.	10.	8.	0.17	1342.15 12.90	
HYDROGRAPH AT	S2AC	160.	12.10	22.	7.	5.	0.15		
2 COMBINED AT	Node84	188.	12.10	52.	17.	13.	0.32		
ROUTED TO	R16B	180.	12.20	52.	17.	13.	0.32	1288.80 12.20	
HYDROGRAPH AT	S2AF	197.	12.20	37.	11.	9.	0.22		
ROUTED TO	Ps2af	42.	13.10	36.	11.	9.	0.22	1324.17 13.10	
HYDROGRAPH AT	S2AE	159.	12.20	27.	8.	7.	0.17		
2 COMBINED AT	Node19	199.	12.20	63.	20.	16.	0.39		
ROUTED TO	R26A	198.	12.20	63.	20.	16.	0.39	1298.22 12.20	
ROUTED TO	201	195.	12.30	63.	20.	16.	0.39	1292.34 12.30	
2 COMBINED AT	R16A	373.	12.20	116.	36.	29.	0.71		
ROUTED TO	R16A	338.	12.30	116.	36.	29.	0.71	1284.51 12.30	
HYDROGRAPH AT	S2AB	195.	12.20	33.	10.	8.	0.20		
2 COMBINED AT	Node75	519.	12.30	148.	46.	37.	0.91		

ROUTED TO	R15	468.	12.40	148.	46.	37.	0.91			ROUTED TO	56THA	369.	12.30	65.	20.	16.	0.43	1292.51	12.30
HYDROGRAPH AT	S2AA	152.	12.30	29.	9.	7.	0.20			ROUTED TO	93	366.	12.30	65.	20.	16.	0.43	1276.24	12.30
2 COMBINED AT	56THB	606.	12.40	177.	56.	45.	1.11			ROUTED TO	S53RD	309.	12.40	65.	20.	16.	0.43	1267.74	12.40
ROUTED TO	R14C	581.	12.50	177.	56.	45.	1.11			ROUTED TO	R23A	307.	12.40	65.	20.	16.	0.43	1268.96	12.40
HYDROGRAPH AT	S2Z	133.	12.10	21.	6.	5.	0.11			HYDROGRAPH AT	S2Q	149.	12.10	23.	7.	6.	0.14		
ROUTED TO	91	132.	12.20	21.	6.	5.	0.11	1277.54	12.20	2 COMBINED AT	Node95	394.	12.40	88.	27.	22.	0.57		
2 COMBINED AT	Node64	656.	12.40	197.	62.	50.	1.22			ROUTED TO	R22	389.	12.40	88.	27.	22.	0.57		
ROUTED TO	R14B	657.	12.40	197.	62.	50.	1.22			HYDROGRAPH AT	S2P	134.	12.30	26.	8.	6.	0.19		
HYDROGRAPH AT	S2Y	261.	12.30	50.	16.	12.	0.27			2 COMBINED AT	Node92	508.	12.40	113.	35.	28.	0.76		
ROUTED TO	90	255.	12.30	50.	16.	12.	0.27	1287.59	12.30	ROUTED TO	R21	287.	12.80	110.	35.	28.	0.76		
ROUTED TO	R25	239.	12.40	50.	16.	12.	0.27	2.01	12.40	HYDROGRAPH AT	S2U	181.	12.10	25.	8.	6.	0.12		
ROUTED TO	CLV310	215.	12.60	50.	16.	12.	0.27	1264.35	12.60	HYDROGRAPH AT	S2O	364.	12.10	54.	17.	13.	0.27		
HYDROGRAPH AT	S2X	85.	12.30	16.	5.	4.	0.09			4 COMBINED AT	40THB	1448.	12.60	511.	162.	130.	3.10		
3 COMBINED AT	Node62	925.	12.40	263.	82.	66.	1.58			ROUTED TO	R11	1443.	12.60	510.	162.	130.	3.10	106.27	12.60
ROUTED TO	R14A	917.	12.50	263.	82.	66.	1.58			HYDROGRAPH AT	S2T	610.	12.10	82.	26.	21.	0.36		
HYDROGRAPH AT	S2W	143.	12.30	28.	9.	7.	0.16			ROUTED TO	R20	532.	12.20	82.	26.	21.	0.36		
2 COMBINED AT	Node57	1029.	12.50	291.	91.	73.	1.74			2 COMBINED AT	Node44	1694.	12.20	590.	187.	150.	3.46		
ROUTED TO	R13	1007.	12.50	290.	91.	73.	1.74	105.41	12.50	ROUTED TO	R10	1636.	12.60	589.	187.	150.	3.46	108.97	12.60
HYDROGRAPH AT	S2V	305.	12.00	36.	11.	9.	0.21			HYDROGRAPH AT	S2M2	165.	12.30	32.	10.	8.	0.23		
2 COMBINED AT	Node54	1066.	12.50	325.	102.	82.	1.95			ROUTED TO	S2MDAM	31.	13.30	28.	22.	22.	0.23	1.13	13.40
ROUTED TO	R12	1053.	12.60	325.	102.	82.	1.95	105.29	12.60	ROUTED TO	R19B	31.	13.50	28.	22.	21.	0.23	1254.65	13.40
HYDROGRAPH AT	S2S	240.	12.10	32.	10.	8.	0.22			HYDROGRAPH AT	S2M1	153.	12.10	24.	7.	6.	0.16		
ROUTED TO	R24B	222.	12.10	32.	10.	8.	0.22	1278.72	12.10	HYDROGRAPH AT	S2N	115.	12.30	24.	7.	6.	0.16		
HYDROGRAPH AT	S2R	223.	12.10	32.	10.	8.	0.21			3 COMBINED AT	YANKB	275.	12.20	74.	37.	33.	0.55		
2 COMBINED AT	REBEL	445.	12.10	65.	20.	16.	0.43			ROUTED TO	191	263.	12.30	74.	37.	33.	0.55	1252.00	12.30

2-Year Flow Rates

RUNOFF SUMMARY									
FLOW IN CUBIC FEET PER SECOND									
TIME IN HOURS, AREA IN SQUARE MILES									
OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD			BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
				6-HOUR	24-HOUR	72-HOUR			
HYDROGRAPH AT	S2B3	40.	12.20	7.	2.	2.	0.07		
ROUTED TO	PONDA	37.	12.30	7.	2.	2.	0.07	120.12	12.30
ROUTED TO	R6C	8.	13.20	6.	2.	2.	0.07		
HYDROGRAPH AT	S2AD	157.	12.10	21.	6.	5.	0.17		
ROUTED TO	202	42.	12.50	20.	6.	5.	0.17	1332.83	12.50
ROUTED TO	66TH	41.	12.40	20.	6.	5.	0.17	1309.88	12.40
ROUTED TO	R16C	41.	12.70	20.	6.	5.	0.17	1342.11	12.70
HYDROGRAPH AT	S2AC	93.	12.10	13.	4.	3.	0.15		
2 COMBINED AT	Node84	108.	12.10	33.	10.	8.	0.32		
ROUTED TO	R16B	104.	12.20	33.	10.	8.	0.32	1288.56	12.20
HYDROGRAPH AT	S2AF	119.	12.30	23.	7.	6.	0.22		
ROUTED TO	Ps2af	41.	12.90	23.	7.	6.	0.22	1322.27	12.90
HYDROGRAPH AT	S2AE	95.	12.20	17.	5.	4.	0.17		
2 COMBINED AT	Node19	135.	12.20	39.	12.	10.	0.39		
ROUTED TO	R26A	135.	12.20	39.	12.	10.	0.39	1297.58	12.20
ROUTED TO	201	134.	12.20	39.	12.	10.	0.39	1290.70	12.20
2 COMBINED AT	R16A	238.	12.20	72.	23.	18.	0.71		
ROUTED TO	R16A	213.	12.40	72.	23.	18.	0.71	1284.32	12.40
HYDROGRAPH AT	S2AB	119.	12.20	21.	6.	5.	0.20		
2 COMBINED AT	Node75	316.	12.30	92.	29.	23.	0.91		

ROUTED TO	R15	278.	12.50	92.	29.	23.	0.91			ROUTED TO	56THA	179.	12.30	39.	12.	10.	0.43	1291.00	12.30
HYDROGRAPH AT	S2AA	88.	12.30	18.	5.	4.	0.20			ROUTED TO	93	178.	12.40	39.	12.	10.	0.43	1273.74	12.40
2 COMBINED AT	56THB	352.	12.40	109.	34.	28.	1.11			ROUTED TO	S53RD	176.	12.40	39.	12.	10.	0.43	1265.93	12.40
ROUTED TO	R14C	338.	12.50	109.	34.	28.	1.11			ROUTED TO	R23A	175.	12.40	39.	12.	10.	0.43	1267.97	12.40
HYDROGRAPH AT	S2Z	84.	12.10	13.	4.	3.	0.11			HYDROGRAPH AT	S2Q	90.	12.20	15.	4.	4.	0.14		
ROUTED TO	91	84.	12.20	13.	4.	3.	0.11	1276.29	12.20	2 COMBINED AT	Node95	242.	12.30	54.	17.	13.	0.57		
2 COMBINED AT	Node64	377.	12.50	122.	39.	31.	1.22			ROUTED TO	R22	219.	12.50	53.	17.	13.	0.57		
ROUTED TO	R14B	376.	12.50	122.	39.	31.	1.22			HYDROGRAPH AT	S2P	75.	12.30	15.	5.	4.	0.19		
HYDROGRAPH AT	S2Y	166.	12.30	33.	10.	8.	0.27			2 COMBINED AT	Node92	275.	12.50	68.	21.	17.	0.76		
ROUTED TO	90	164.	12.30	33.	10.	8.	0.27	1286.26	12.30	ROUTED TO	R21	140.	13.10	66.	21.	17.	0.76		
ROUTED TO	R25	152.	12.40	32.	10.	8.	0.27	1.56	12.40	HYDROGRAPH AT	S2U	120.	12.10	17.	5.	4.	0.12		
ROUTED TO	CLV310	140.	12.60	32.	10.	8.	0.27	1263.23	12.60	HYDROGRAPH AT	S2O	237.	12.10	36.	11.	9.	0.27		
HYDROGRAPH AT	S2X	54.	12.30	10.	3.	3.	0.09			4 COMBINED AT	40THB	813.	12.70	319.	101.	81.	3.10		
3 COMBINED AT	Node62	554.	12.50	165.	52.	42.	1.58			ROUTED TO	R11	813.	12.70	319.	101.	81.	3.10	104.74	12.70
ROUTED TO	R14A	542.	12.60	165.	52.	42.	1.58			HYDROGRAPH AT	S2T	419.	12.10	57.	18.	14.	0.36		
HYDROGRAPH AT	S2W	88.	12.30	17.	5.	4.	0.16			ROUTED TO	R20	348.	12.20	57.	18.	14.	0.36		
2 COMBINED AT	Node57	599.	12.60	182.	57.	46.	1.74			2 COMBINED AT	Node44	1028.	12.20	374.	119.	96.	3.46		
ROUTED TO	R13	587.	12.60	182.	57.	46.	1.74	104.10	12.60	ROUTED TO	R10	975.	12.40	374.	119.	96.	3.46	107.64	12.40
HYDROGRAPH AT	S2V	188.	12.00	23.	7.	6.	0.21			HYDROGRAPH AT	S2M2	93.	12.30	19.	6.	5.	0.23		
2 COMBINED AT	Node54	617.	12.60	204.	64.	51.	1.95			ROUTED TO	S2MDAM	25.	13.10	22.	21.	20.	0.23	0.50	13.10
ROUTED TO	R12	610.	12.70	203.	64.	51.	1.95	103.98	12.70	ROUTED TO	R19B	25.	13.30	22.	21.	20.	0.23	1254.57	13.30
HYDROGRAPH AT	S2S	140.	12.10	20.	6.	5.	0.22			HYDROGRAPH AT	S2M1	87.	12.10	14.	4.	4.	0.16		
ROUTED TO	R24B	129.	12.20	20.	6.	5.	0.22	1278.27	12.20	HYDROGRAPH AT	S2N	66.	12.30	14.	4.	4.	0.16		
HYDROGRAPH AT	S2R	131.	12.10	20.	6.	5.	0.21			3 COMBINED AT	YANKB	167.	12.20	51.	29.	27.	0.55		
2 COMBINED AT	REBEL	257.	12.10	39.	12.	10.	0.43			ROUTED TO	191	162.	12.30	51.	29.	27.	0.55	1250.63	12.30

ROUTED TO	R19A	153.	12.40	50.	29.	27.	0.55	1243.97	12.40
HYDROGRAPH AT	S2L	270.	12.00	29.	9.	7.	0.17		
2 COMBINED AT	40THA	332.	12.00	79.	38.	34.	0.72		
ROUTED TO	83	313.	12.10	79.	38.	34.	0.72	1239.04	12.10
ROUTED TO	R18B	287.	12.10	78.	38.	34.	0.72	1236.53	12.10
HYDROGRAPH AT	S2K	361.	12.10	49.	15.	12.	0.31		
2 COMBINED AT	Node31	649.	12.10	127.	54.	46.	1.03		
ROUTED TO	R18A	592.	12.20	127.	54.	46.	1.03	1226.47	12.20
HYDROGRAPH AT	S2J	245.	12.20	41.	13.	10.	0.23		
2 COMBINED AT	Node28	837.	12.20	168.	66.	57.	1.26		
ROUTED TO	DAMR17	64.	16.00	64.	47.	37.	1.26	1225.04	16.00
2 COMBINED AT	Node25	1035.	12.40	435.	166.	133.	4.72		
ROUTED TO	R9	1031.	12.40	435.	165.	133.	4.72	105.59	12.40
HYDROGRAPH AT	S2H	293.	12.00	31.	10.	8.	0.20		
HYDROGRAPH AT	S2I1	157.	12.00	17.	5.	4.	0.11		
HYDROGRAPH AT	S2I2	173.	12.20	30.	9.	8.	0.22		
4 COMBINED AT	Node21	1259.	12.30	508.	190.	152.	5.25		
ROUTED TO	R8	1199.	12.50	507.	189.	152.	5.25	109.40	12.50
HYDROGRAPH AT	S2G	121.	12.00	15.	5.	4.	0.09		
2 COMBINED AT	ROKEBY	1222.	12.50	521.	194.	156.	5.34		
ROUTED TO	R7C	1220.	12.50	521.	194.	156.	5.34	108.20	12.50
HYDROGRAPH AT	S2F2	241.	12.00	28.	9.	7.	0.18		
2 COMBINED AT	Node15	1264.	12.50	547.	203.	163.	5.52		
ROUTED TO	R7B	1261.	12.50	547.	202.	162.	5.52	108.33	12.50
HYDROGRAPH AT	S2E	313.	12.10	41.	13.	10.	0.25		

ROUTED TO	S2EDAM	27.	13.20	25.	13.	10.	0.25	1222.04	13.20
HYDROGRAPH AT	S2F1	183.	12.00	20.	6.	5.	0.15		
3 COMBINED AT	Node11	1315.	12.50	591.	221.	178.	5.92		
ROUTED TO	R7A	1307.	12.60	590.	221.	177.	5.92	108.46	12.60
2 COMBINED AT	27THB	1313.	12.60	596.	223.	179.	5.99		
ROUTED TO	R6B	1302.	12.70	595.	223.	179.	5.99	110.87	12.70
HYDROGRAPH AT	S5A	179.	12.20	29.	9.	7.	0.22		
ROUTED TO	PondS5	35.	12.90	26.	9.	7.	0.22	1267.26	12.90
ROUTED TO	R33	33.	13.20	26.	9.	7.	0.22	1196.09	13.20
HYDROGRAPH AT	S5B	290.	12.20	47.	14.	12.	0.37		
2 COMBINED AT	S5up	308.	12.20	71.	23.	19.	0.59		
ROUTED TO	PS5B	33.	18.10	32.	19.	15.	0.59	1234.82	18.10
ROUTED TO	R32	33.	18.30	32.	19.	15.	0.59	1196.08	18.30
HYDROGRAPH AT	S5C	251.	12.10	33.	10.	8.	0.23		
2 COMBINED AT	S38th	255.	12.10	59.	29.	23.	0.82		
ROUTED TO	R31	164.	12.30	57.	29.	23.	0.82	1199.03	12.30
HYDROGRAPH AT	S5E	203.	12.00	26.	8.	6.	0.18		
ROUTED TO	S38thS	59.	12.40	25.	8.	6.	0.18	1223.45	12.40
ROUTED TO	R34	18.	15.10	15.	7.	5.	0.18	1200.60	15.10
HYDROGRAPH AT	S5F	307.	12.00	35.	11.	9.	0.28		
HYDROGRAPH AT	S5G	188.	12.00	20.	6.	5.	0.15		
4 COMBINED AT	RRjctn	573.	12.00	123.	52.	42.	1.43		
HYDROGRAPH AT	S5D	445.	12.00	49.	15.	12.	0.34		
2 COMBINED AT	Salt1l	1018.	12.00	171.	68.	54.	1.77		

1-Year Flow Rates

RUNOFF SUMMARY FLOW IN CUBIC FEET PER SECOND TIME IN HOURS, AREA IN SQUARE MILES									
OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD			BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
				6-HOUR	24-HOUR	72-HOUR			
HYDROGRAPH AT	S2B3	26.	12.20	5.	2.	1.	0.07		
ROUTED TO	PONDA	26.	12.30	5.	2.	1.	0.07	119.39	12.30
ROUTED TO	R6C	5.	13.30	4.	2.	1.	0.07		
HYDROGRAPH AT	S2AD	111.	12.10	15.	4.	4.	0.17		
ROUTED TO	202	35.	12.50	14.	4.	4.	0.17	1332.06	12.50
ROUTED TO	66TH	35.	12.40	14.	4.	4.	0.17	1309.57	12.40
ROUTED TO	R16C	34.	12.70	14.	4.	4.	0.17	1342.04	12.70
HYDROGRAPH AT	S2AC	59.	12.10	9.	3.	2.	0.15		
2 COMBINED AT	Node84	68.	12.20	23.	7.	6.	0.32		
ROUTED TO	R16B	64.	12.30	22.	7.	6.	0.32	1288.39	12.30
HYDROGRAPH AT	S2AF	80.	12.30	16.	5.	4.	0.22		
ROUTED TO	Ps2af	40.	12.70	16.	5.	4.	0.22	1321.45	12.70
HYDROGRAPH AT	S2AE	62.	12.20	11.	4.	3.	0.17		
2 COMBINED AT	Node19	100.	12.30	27.	8.	7.	0.39		
ROUTED TO	R26A	100.	12.30	27.	8.	7.	0.39	1297.10	12.30
ROUTED TO	201	100.	12.30	27.	8.	7.	0.39	1289.69	12.30
2 COMBINED AT	R16A	164.	12.30	49.	16.	13.	0.71		
ROUTED TO	R16A	143.	12.50	49.	16.	13.	0.71	1284.21	12.50
HYDROGRAPH AT	S2AB	79.	12.20	14.	4.	4.	0.20		
2 COMBINED AT	Node75	204.	12.40	63.	20.	16.	0.91		

ROUTED TO	R15	183.	12.60	63.	20.	16.	0.91			ROUTED TO	56THA	132.	12.30	26.	8.	7.	0.43	1289.76	12.30
HYDROGRAPH AT	S2AA	56.	12.30	12.	4.	3.	0.20			ROUTED TO	93	132.	12.30	26.	8.	7.	0.43	1273.01	12.30
2 COMBINED AT	56THB	227.	12.50	75.	24.	19.	1.11			ROUTED TO	S53RD	130.	12.40	26.	8.	7.	0.43	1265.14	12.40
ROUTED TO	R14C	221.	12.60	74.	24.	19.	1.11			ROUTED TO	R23A	131.	12.40	26.	8.	7.	0.43	1267.57	12.40
HYDROGRAPH AT	S2Z	59.	12.20	9.	3.	2.	0.11			HYDROGRAPH AT	S2Q	61.	12.20	10.	3.	2.	0.14		
ROUTED TO	91	60.	12.20	9.	3.	2.	0.11	1275.58	12.20	2 COMBINED AT	Node95	175.	12.30	36.	11.	9.	0.57		
2 COMBINED AT	Node64	242.	12.60	83.	27.	21.	1.22			ROUTED TO	R22	136.	12.50	36.	11.	9.	0.57		
ROUTED TO	R14B	242.	12.60	84.	27.	21.	1.22			HYDROGRAPH AT	S2P	46.	12.30	10.	3.	2.	0.19		
HYDROGRAPH AT	S2Y	116.	12.30	23.	7.	6.	0.27			2 COMBINED AT	Node92	171.	12.50	46.	14.	11.	0.76		
ROUTED TO	90	115.	12.30	23.	7.	6.	0.27	1285.41	12.30	ROUTED TO	R21	91.	13.10	44.	14.	11.	0.76		
ROUTED TO	R25	105.	12.50	23.	7.	6.	0.27	1.31	12.50	HYDROGRAPH AT	S2U	87.	12.10	12.	4.	3.	0.12		
ROUTED TO	CLV310	99.	12.60	23.	7.	6.	0.27	1262.32	12.60	HYDROGRAPH AT	S2O	169.	12.10	26.	8.	6.	0.27		
HYDROGRAPH AT	S2X	37.	12.30	7.	2.	2.	0.09			4 COMBINED AT	40THB	531.	12.80	220.	71.	57.	3.10		
3 COMBINED AT	Node62	365.	12.50	114.	36.	29.	1.58			ROUTED TO	R11	532.	12.80	220.	71.	57.	3.10	103.80	12.80
ROUTED TO	R14A	354.	12.70	114.	36.	29.	1.58			HYDROGRAPH AT	S2T	315.	12.10	43.	13.	11.	0.36		
HYDROGRAPH AT	S2W	60.	12.30	12.	4.	3.	0.16			ROUTED TO	R20	264.	12.20	43.	13.	11.	0.36		
2 COMBINED AT	Node57	391.	12.60	126.	40.	32.	1.74			2 COMBINED AT	Node44	712.	12.20	262.	84.	67.	3.46		
ROUTED TO	R13	387.	12.70	125.	40.	32.	1.74	103.39	12.70	ROUTED TO	R10	671.	12.40	261.	84.	67.	3.46	106.63	12.40
HYDROGRAPH AT	S2V	127.	12.00	16.	5.	4.	0.21			HYDROGRAPH AT	S2M2	58.	12.30	13.	4.	3.	0.23		
2 COMBINED AT	Node54	405.	12.70	141.	45.	36.	1.95			ROUTED TO	S2MDAM	22.	12.90	21.	20.	20.	0.23	0.22	12.90
ROUTED TO	R12	398.	12.80	140.	45.	36.	1.95	103.24	12.80	ROUTED TO	R19B	22.	13.10	21.	20.	20.	0.23	1254.53	13.10
HYDROGRAPH AT	S2S	90.	12.10	13.	4.	3.	0.22			HYDROGRAPH AT	S2M1	56.	12.20	9.	3.	2.	0.16		
ROUTED TO	R24B	83.	12.20	13.	4.	3.	0.22	1277.98	12.20	HYDROGRAPH AT	S2N	42.	12.30	9.	3.	2.	0.16		
HYDROGRAPH AT	S2R	85.	12.10	13.	4.	3.	0.21			3 COMBINED AT	YANKB	113.	12.20	39.	26.	25.	0.55		
2 COMBINED AT	REBEL	164.	12.20	26.	8.	7.	0.43			ROUTED TO	191	112.	12.20	39.	26.	25.	0.55	1249.84	12.20

