

Appendix A
MASTER PLAN CONDITIONS RUNOFF SUMMARY
for 2-year, 10-year, and 100-year Frequency Events

100-year Storm

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	SUB2	508.	12.50	123.	38.	31.	0.35		
HYDROGRAPH AT	Sub1	870.	12.00	122.	39.	31.	0.28		
ROUTED TO	84th	878.	12.10	122.	39.	31.	0.28	1380.44	12.10
ROUTED TO	R1	868.	12.20	122.	39.	31.	0.28		
2 COMBINED AT	N2	1299.	12.30	245.	77.	62.	0.63		
ROUTED TO	pond 2	1144.	12.40	245.	77.	62.	0.63	1332.38	12.40
ROUTED TO	R2	1130.	12.60	245.	77.	62.	0.63		
HYDROGRAPH AT	SUB4	317.	12.40	72.	22.	18.	0.19		
2 COMBINED AT	N3	1425.	12.50	316.	100.	80.	0.82		
ROUTED TO	R3	1414.	12.60	316.	100.	80.	0.82		
HYDROGRAPH AT	SUB5	850.	12.20	155.	49.	40.	0.37		
ROUTED TO	Pond 5	838.	12.30	155.	49.	40.	0.37	1344.57	12.30
ROUTED TO	R4	812.	12.40	154.	49.	39.	0.37		
HYDROGRAPH AT	SUB6	645.	12.00	76.	24.	19.	0.20		
2 COMBINED AT	N6	963.	12.40	230.	73.	58.	0.57		
ROUTED TO	R5	910.	12.50	230.	73.	58.	0.57		
HYDROGRAPH AT	SUB7	559.	12.10	74.	23.	19.	0.20		
2 COMBINED AT	N7	1322.	12.10	304.	96.	77.	0.77		
ROUTED TO	Yankee	1306.	12.10	304.	96.	77.	0.77	1309.37	12.10

3 COMBINED AT	N23	794.	12.00	173.	56.	45.	0.50			HYDROGRAPH AT	SUB29	670.	12.20	116.	37.	29.	0.27		
HYDROGRAPH AT	SUB20	462.	12.00	48.	15.	12.	0.13			2 COMBINED AT	N30	5264.	12.40	1629.	590.	474.	6.32		
3 COMBINED AT	N24	3343.	12.30	1121.	426.	342.	4.98			ROUTED TO	R25	5188.	12.50	1628.	590.	474.	6.32		
ROUTED TO	R21	3330.	12.40	1121.	426.	342.	4.98			HYDROGRAPH AT	SUB30	435.	12.30	85.	27.	21.	0.22		
HYDROGRAPH AT	SUB24	545.	12.00	57.	18.	14.	0.15			2 COMBINED AT	N31	5539.	12.50	1712.	616.	495.	6.54		
2 COMBINED AT	N25	3407.	12.40	1174.	443.	356.	5.13			ROUTED TO	R26	5482.	12.60	1711.	616.	494.	6.54		
ROUTED TO	56thBR	3404.	12.40	1174.	443.	356.	5.13	1240.46	12.40	DIVERSION TO	DIV26	2060.	12.60	968.	374.	300.	6.54		
ROUTED TO	R22	3338.	12.50	1170.	441.	354.	5.13			HYDROGRAPH AT	DIV26	3422.	12.60	742.	242.	194.	6.54		
HYDROGRAPH AT	SUB26	330.	12.20	58.	18.	15.	0.15			ROUTED TO	R26a	3396.	12.60	742.	242.	194.	6.54		
ROUTED TO	BNRR26	323.	12.30	58.	18.	15.	0.15	140.46	12.30	ROUTED TO	40thSt	3398.	12.60	742.	242.	194.	6.54	1214.48	12.50
HYDROGRAPH AT	SUB25	393.	12.30	79.	25.	20.	0.20			HYDROGRAPH AT	SUB31	912.	12.20	157.	50.	40.	0.39		
3 COMBINED AT	N26	3907.	12.50	1304.	484.	389.	5.48			2 COMBINED AT	N32	3819.	12.60	895.	291.	234.	6.93		
ROUTED TO	5501dc	3912.	12.50	1304.	484.	389.	5.48	1234.90	12.50	ROUTED TO	R27	3784.	12.60	894.	291.	234.	6.93		
ROUTED TO	R23	3906.	12.50	1303.	484.	388.	5.48			ROUTED TO	BNRR38	3784.	12.60	894.	291.	234.	6.93	1211.97	12.60
ROUTED TO	BNRR	3902.	12.50	1303.	484.	388.	5.48	1227.77	12.50	HYDROGRAPH AT	SUB32	691.	12.00	87.	27.	22.	0.22		
ROUTED TO	HWY2BR	3899.	12.50	1303.	484.	388.	5.48	1227.76	12.50	HYDROGRAPH AT	CUT26	2060.	12.60	968.	374.	300.	0.00		
HYDROGRAPH AT	SUB281	510.	12.30	97.	30.	24.	0.27			2 COMBINED AT	N33a	2301.	12.20	1051.	401.	322.	0.22		
ROUTED TO	R251	499.	12.30	97.	30.	24.	0.27			ROUTED TO	40SUPL	2297.	12.20	1051.	401.	322.	0.22	1215.26	12.20
HYDROGRAPH AT	SUB27	431.	12.30	83.	27.	21.	0.18			2 COMBINED AT	N37b	5953.	12.60	1945.	692.	556.	7.15		
HYDROGRAPH AT	SUB28	334.	12.00	42.	13.	11.	0.12			DIVERSION TO	div38	2653.	12.40	343.	86.	69.	7.15		
4 COMBINED AT	N29	4837.	12.40	1518.	554.	445.	6.05			HYDROGRAPH AT	div38	3300.	12.40	1602.	607.	487.	7.15		
ROUTED TO	R24	4766.	12.50	1518.	553.	444.	6.05			ROUTED TO	R28a	3300.	12.60	1602.	606.	487.	7.15		
ROUTED TO	48thBr	4766.	12.50	1518.	553.	444.	6.05	1223.94	12.50	HYDROGRAPH AT	SUB35	478.	12.30	95.	30.	24.	0.23		
										ROUTED TO	CMP35	473.	12.30	95.	30.	24.	0.23		

3 COMBINED AT	N43	1060.	12.10	352.	118.	97.	0.87			Tierra	3598.	12.40	1031.	344.	277.	2.72	1196.52	12.40	
ROUTED TO	Browng	549.	13.20	311.	111.	90.	0.87	1232.36	13.20	ROUTED TO	R49	3540.	12.40	1031.	344.	277.	2.72		
ROUTED TO	R37	548.	13.30	311.	111.	90.	0.87			HYDROGRAPH AT	SUB33	688.	12.10	93.	29.	23.	0.27		
HYDROGRAPH AT	SUB51	359.	12.10	53.	17.	13.	0.14			ROUTED TO	R28	664.	12.20	93.	29.	23.	0.27		
3 COMBINED AT	N51	2490.	12.30	741.	251.	203.	1.97			HYDROGRAPH AT	Out38	2653.	12.60	343.	86.	69.	0.00		
ROUTED TO	R44	2459.	12.40	741.	251.	203.	1.97			2 COMBINED AT	N37	2883.	12.60	436.	115.	92.	0.27		
HYDROGRAPH AT	SUB52	803.	12.20	129.	41.	33.	0.32			ROUTED TO	38detn	338.	13.30	328.	115.	92.	0.27	1207.05	13.30
2 COMBINED AT	N52	3051.	12.30	867.	292.	236.	2.29			ROUTED TO	R31	337.	13.50	317.	115.	92.	0.27		
ROUTED TO	JaneLn	3039.	12.30	867.	292.	236.	2.29	116.31	12.30	HYDROGRAPH AT	SUB37	124.	12.80	41.	13.	10.	0.14		
ROUTED TO	R45	2995.	12.40	867.	292.	236.	2.29			3 COMBINED AT	N38	3904.	12.50	1367.	471.	380.	3.13		
HYDROGRAPH AT	SUB53	178.	12.00	19.	6.	5.	0.05			ROUTED TO	R50	3788.	12.50	1363.	471.	379.	3.13		
2 COMBINED AT	N53	3027.	12.30	885.	298.	240.	2.34			HYDROGRAPH AT	SUB38	735.	12.10	115.	36.	29.	0.29		
ROUTED TO	OldChn	3028.	12.40	885.	298.	240.	2.34	1210.39	12.40	HYDROGRAPH AT	SUB39	211.	12.20	39.	12.	10.	0.09		
ROUTED TO	R46	3023.	12.40	885.	298.	240.	2.34			4 COMBINED AT	N57	8739.	12.40	3392.	1216.	977.	11.36		
HYDROGRAPH AT	SUB54	339.	12.40	73.	23.	18.	0.19			ROUTED TO	27thSt	8738.	12.40	3392.	1216.	978.	11.36	95.55	12.40
2 COMBINED AT	N54	3362.	12.40	958.	321.	259.	2.53			ROUTED TO	R51	8730.	12.50	3392.	1216.	978.	11.36		
ROUTED TO	R47	3335.	12.40	958.	321.	259.	2.53			HYDROGRAPH AT	SUB57	392.	12.30	76.	24.	19.	0.18		
HYDROGRAPH AT	SUB55	239.	12.20	41.	13.	10.	0.10			2 COMBINED AT	N58	9043.	12.40	3465.	1240.	997.	11.54		
2 COMBINED AT	N55	3521.	12.40	998.	334.	269.	2.63			ROUTED TO	R52	8857.	12.50	3458.	1238.	996.	11.54		
ROUTED TO	Sequoi	3521.	12.40	998.	334.	269.	2.63	103.84	12.40	HYDROGRAPH AT	SUB58	356.	12.10	50.	16.	13.	0.15		
ROUTED TO	R48	3467.	12.40	998.	334.	269.	2.63			2 COMBINED AT	N59	8978.	12.50	3506.	1253.	1008.	11.69		
HYDROGRAPH AT	SUB56	207.	12.20	33.	10.	8.	0.09			ROUTED TO	Southw	8990.	12.50	3506.	1253.	1008.	11.69	1184.88	12.50
2 COMBINED AT	N56	3602.	12.40	1031.	344.	277.	2.72			ROUTED TO	R53	8919.	12.60	3505.	1253.	1008.	11.69		
ROUTED TO										HYDROGRAPH AT	SUB60	354.	12.10	47.	15.	12.	0.11		

10-year Storm

		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	SUB2	292.	12.50	72.	22.	18.	0.35		
HYDROGRAPH AT	Sub1	538.	12.00	78.	25.	20.	0.28		
ROUTED TO	84th	538.	12.00	78.	25.	20.	0.28	1374.23 12.00	
ROUTED TO	R1	545.	12.30	79.	25.	20.	0.28		
2 COMBINED AT	N2	804.	12.30	150.	47.	38.	0.63		
ROUTED TO	pond 2	713.	12.50	150.	47.	38.	0.63	1331.68 12.50	
ROUTED TO	R2	718.	12.60	150.	47.	38.	0.63		
HYDROGRAPH AT	SUB4	188.	12.40	43.	13.	11.	0.19		
2 COMBINED AT	N3	886.	12.60	193.	60.	48.	0.82		
ROUTED TO	R3	866.	12.70	193.	60.	48.	0.82		
HYDROGRAPH AT	SUB5	534.	12.20	98.	31.	25.	0.37		
ROUTED TO	Pond 5	417.	12.40	98.	31.	25.	0.37	1344.23 12.40	
ROUTED TO	R4	415.	12.50	98.	31.	25.	0.37		
HYDROGRAPH AT	SUB6	386.	12.00	46.	14.	11.	0.20		
2 COMBINED AT	N6	486.	12.50	143.	45.	36.	0.57		
ROUTED TO	R5	481.	12.60	143.	45.	36.	0.57		
HYDROGRAPH AT	SUB7	333.	12.10	44.	14.	11.	0.20		
2 COMBINED AT	N7	783.	12.10	187.	58.	47.	0.77		
ROUTED TO	Yankee	793.	12.10	187.	58.	47.	0.77	1308.93 12.10	

3 COMBINED AT	N23	471.	12.00	106.	33.	26.	0.50			HYDROGRAPH AT	SUB29	426.	12.20	74.	23.	19.	0.27		
HYDROGRAPH AT	SUB20	277.	12.00	29.	9.	7.	0.13			2 COMBINED AT	N30	2995.	12.50	985.	374.	301.	6.32		
3 COMBINED AT	N24	1974.	12.40	674.	275.	221.	4.98			ROUTED TO	R25	2976.	12.50	984.	374.	300.	6.32		
ROUTED TO	R21	1975.	12.40	674.	274.	220.	4.98			HYDROGRAPH AT	SUB30	262.	12.30	52.	16.	13.	0.22		
HYDROGRAPH AT	SUB24	333.	12.00	34.	11.	8.	0.15			2 COMBINED AT	N31	3191.	12.50	1035.	390.	313.	6.54		
2 COMBINED AT	N25	2024.	12.40	705.	285.	229.	5.13			ROUTED TO	R26	3161.	12.60	1034.	390.	313.	6.54		
ROUTED TO	56thBR	2024.	12.40	705.	285.	229.	5.13	1238.67	12.40	DIVERSION TO	DIV26	1800.	12.60	671.	259.	208.	6.54		
ROUTED TO	R22	1962.	12.60	702.	283.	228.	5.13			HYDROGRAPH AT	DIV26	1361.	12.60	363.	130.	104.	6.54		
HYDROGRAPH AT	SUB26	198.	12.20	35.	11.	9.	0.15			ROUTED TO	R26a	1350.	12.60	363.	130.	104.	6.54		
ROUTED TO	BNRR26	195.	12.30	35.	11.	9.	0.15	138.72	12.30	ROUTED TO	40thSt	1350.	12.60	363.	130.	104.	6.54	1209.71	12.60
HYDROGRAPH AT	SUB25	239.	12.30	48.	15.	12.	0.20			HYDROGRAPH AT	SUB31	562.	12.20	98.	30.	24.	0.39		
3 COMBINED AT	N26	2268.	12.50	785.	309.	248.	5.48			2 COMBINED AT	N32	1638.	12.50	457.	160.	129.	6.93		
ROUTED TO	5501dc	2268.	12.50	784.	309.	248.	5.48	1230.78	12.50	ROUTED TO	R27	1625.	12.50	457.	160.	129.	6.93		
ROUTED TO	R23	2253.	12.60	784.	309.	248.	5.48			ROUTED TO	BNRR38	1627.	12.50	457.	160.	129.	6.93	1209.16	12.50
ROUTED TO	BNRR	2254.	12.60	784.	309.	248.	5.48	1225.54	12.60	HYDROGRAPH AT	SUB32	421.	12.00	53.	17.	13.	0.22		
ROUTED TO	Hwy2BR	2254.	12.60	784.	309.	248.	5.48	1225.54	12.60	HYDROGRAPH AT	OUT26	1800.	12.60	671.	259.	208.	0.00		
HYDROGRAPH AT	SUB281	298.	12.30	58.	18.	14.	0.27			2 COMBINED AT	N33a	1872.	12.50	720.	276.	222.	0.22		
ROUTED TO	R251	292.	12.40	58.	18.	14.	0.27			ROUTED TO	40SUPL	1875.	12.60	720.	276.	222.	0.22	1213.50	12.60
HYDROGRAPH AT	SUB27	285.	12.30	54.	17.	14.	0.18			2 COMBINED AT	N37b	3496.	12.60	1177.	436.	350.	7.15		
HYDROGRAPH AT	SUB28	193.	12.10	25.	8.	6.	0.12			DIVERSION TO	div38	488.	12.60	46.	11.	9.	7.15		
4 COMBINED AT	N29	2762.	12.50	916.	352.	282.	6.05			HYDROGRAPH AT	div38	3008.	12.60	1131.	425.	341.	7.15		
ROUTED TO	R24	2737.	12.50	915.	351.	282.	6.05			ROUTED TO	R28a	3007.	12.60	1131.	424.	341.	7.15		
ROUTED TO	48thBr	2737.	12.50	915.	351.	282.	6.05	1221.19	12.50	HYDROGRAPH AT	SUB35	298.	12.30	59.	18.	15.	0.23		
										ROUTED TO	CMP35	294.	12.30	59.	18.	15.	0.23		

								110.30	12.30		HYDROGRAPH AT	SUB49	187.	12.20	34.	11.	8.	0.15			
HYDROGRAPH AT	SUB34	353.	12.30	66.	21.	17.	0.25				2 COMBINED AT	N48	1106.	12.20	190.	59.	48.	0.77			
ROUTED TO	CMP34	353.	12.30	66.	21.	17.	0.25	125.91	12.30		ROUTED TO	40th	1096.	12.20	190.	59.	48.	0.77			
2 COMBINED AT	N36	647.	12.30	125.	39.	31.	0.48												139.32	12.20	
ROUTED TO	R29	627.	12.40	125.	39.	31.	0.48				ROUTED TO	R42	1068.	12.30	190.	59.	48.	0.77			
HYDROGRAPH AT	SUB36	452.	12.10	58.	18.	15.	0.22				HYDROGRAPH AT	SUB50	311.	12.20	55.	17.	14.	0.19			
2 COMBINED AT	N371	849.	12.20	184.	57.	46.	0.70				2 COMBINED AT	N49	1365.	12.30	245.	77.	61.	0.96			
ROUTED TO	R30	845.	12.20	184.	57.	46.	0.70				ROUTED TO	Faulkn	1374.	12.30	245.	77.	61.	0.96		132.03	12.30
2 COMBINED AT	N37a	3716.	12.40	1310.	482.	387.	7.85				ROUTED TO	Will134	1377.	12.40	345.	77.	61.	0.96		1223.88	12.40
ROUTED TO	R31a	3706.	12.50	1309.	481.	386.	7.85				ROUTED TO	R43	1273.	12.40	245.	77.	61.	0.96			
HYDROGRAPH AT	Sub45	520.	12.00	59.	18.	15.	0.23				HYDROGRAPH AT	Sub40	419.	11.90	67.	21.	17.	0.26			
ROUTED TO	EagleC	320.	12.20	59.	18.	15.	0.23	1279.68	12.20		ROUTED TO	R32	419.	12.00	67.	21.	17.	0.26			
ROUTED TO	R38	319.	12.20	59.	18.	15.	0.23				ROUTED TO	PineIs	179.	12.40	65.	28.	23.	0.26		47.24	12.40
HYDROGRAPH AT	SUB46	370.	12.10	49.	15.	12.	0.19				HYDROGRAPH AT	Sub41	285.	12.20	50.	16.	12.	0.20			
2 COMBINED AT	N45	675.	12.10	108.	34.	27.	0.42				2 COMBINED AT	N40	454.	12.30	115.	43.	35.	0.46			
ROUTED TO	Phollo	686.	12.10	108.	34.	27.	0.42	164.86	12.10		ROUTED TO	PineIn	273.	12.60	110.	41.	35.	0.46		1243.10	12.60
ROUTED TO	R39	649.	12.10	108.	34.	27.	0.42				ROUTED TO	R34	273.	12.70	110.	41.	35.	0.46			
HYDROGRAPH AT	SUB47	115.	12.10	18.	5.	4.	0.07				HYDROGRAPH AT	SUB42	196.	12.50	48.	15.	12.	0.17			
2 COMBINED AT	N46	764.	12.10	126.	39.	31.	0.49				2 COMBINED AT	N42	456.	12.60	156.	56.	47.	0.63			
ROUTED TO	CrplCr	770.	12.10	126.	39.	31.	0.49	156.63	12.10		ROUTED TO	Wilcul	457.	12.60	156.	56.	47.	0.63		137.39	12.60
ROUTED TO	R40	749.	12.20	126.	39.	31.	0.49				ROUTED TO	R35	452.	12.60	156.	56.	47.	0.63			
HYDROGRAPH AT	SUB48	217.	12.10	31.	9.	8.	0.13				HYDROGRAPH AT	SUB43	304.	12.00	33.	10.	8.	0.12			
2 COMBINED AT	N47	943.	12.20	156.	49.	39.	0.62				ROUTED TO	R36	279.	12.00	33.	10.	8.	0.12			
ROUTED TO	R41	919.	12.20	156.	49.	39.	0.62				HYDROGRAPH AT	SUB44	230.	12.10	30.	9.	7.	0.12			

3 COMBINED AT	N43	623.	12.10	217.	76.	63.	0.87			Tierra	2107.	12.50	619.	211.	171.	2.72	1196.22	12.50	
ROUTED TO	Browng	267.	13.60	173.	68.	56.	0.87	1229.80	13.60	ROUTED TO	R49	2102.	12.50	618.	211.	171.	2.72		
ROUTED TO	R37	267.	13.60	173.	68.	56.	0.87			HYDROGRAPH AT	SUB33	394.	12.10	54.	17.	13.	0.27		
HYDROGRAPH AT	SUB51	214.	12.10	32.	10.	8.	0.14			ROUTED TO	R28	377.	12.20	54.	17.	13.	0.27		
3 COMBINED AT	N51	1467.	12.40	441.	155.	126.	1.97			HYDROGRAPH AT	Out38	488.	12.60	46.	11.	9.	0.00		
ROUTED TO	R44	1454.	12.40	441.	155.	125.	1.97			2 COMBINED AT	N37	684.	12.50	100.	28.	22.	0.27		
HYDROGRAPH AT	SUB52	498.	12.20	80.	25.	20.	0.32			ROUTED TO	38detn	269.	12.90	100.	28.	22.	0.27	1201.55	12.90
2 COMBINED AT	N52	1779.	12.40	519.	180.	145.	2.29			ROUTED TO	R31	267.	13.10	100.	28.	23.	0.27		
ROUTED TO	JaneLn	1786.	12.40	519.	180.	145.	2.29	111.50	12.40	HYDROGRAPH AT	SUB37	64.	12.80	22.	7.	5.	0.14		
ROUTED TO	R45	1782.	12.40	519.	180.	145.	2.29			3 COMBINED AT	N38	2374.	12.50	740.	246.	199.	3.13		
HYDROGRAPH AT	SUB53	107.	12.00	11.	3.	3.	0.05			ROUTED TO	R50	2330.	12.50	740.	246.	199.	3.13		
2 COMBINED AT	N53	1799.	12.40	530.	183.	148.	2.34			HYDROGRAPH AT	SUB38	447.	12.10	70.	22.	18.	0.29		
ROUTED TO	OldChn	1800.	12.40	530.	183.	148.	2.34	1206.88	12.40	HYDROGRAPH AT	SUB39	134.	12.20	25.	8.	6.	0.09		
ROUTED TO	R46	1783.	12.40	530.	183.	148.	2.34			4 COMBINED AT	N57	6328.	12.50	2140.	756.	608.	11.36		
HYDROGRAPH AT	SUB54	205.	12.40	45.	14.	11.	0.19			ROUTED TO	37thSt	6325.	12.50	2140.	756.	608.	11.36	89.75	12.50
2 COMBINED AT	N54	1988.	12.40	574.	197.	159.	2.53			ROUTED TO	R51	6287.	12.50	2140.	756.	608.	11.36		
ROUTED TO	R47	1957.	12.40	574.	197.	159.	2.53			HYDROGRAPH AT	SUB57	247.	12.30	48.	15.	12.	0.18		
HYDROGRAPH AT	SUB55	149.	12.20	26.	8.	6.	0.10			2 COMBINED AT	N58	6482.	12.50	2186.	771.	620.	11.54		
2 COMBINED AT	N55	2074.	12.40	599.	205.	166.	2.63			ROUTED TO	R52	6337.	12.60	2183.	770.	620.	11.54		
ROUTED TO	Sequoi	2069.	12.40	599.	205.	166.	2.63	99.68	12.40	HYDROGRAPH AT	SUB58	200.	12.10	29.	9.	7.	0.15		
ROUTED TO	R48	2044.	12.50	599.	205.	166.	2.63			2 COMBINED AT	N59	6392.	12.60	2211.	779.	627.	11.69		
HYDROGRAPH AT	SUB56	123.	12.20	20.	6.	5.	0.09			ROUTED TO	Southw	6391.	12.60	2211.	779.	627.	11.69	1182.87	12.60
2 COMBINED AT	N56	2104.	12.50	619.	211.	171.	2.72			ROUTED TO	R53	6342.	12.60	2210.	778.	627.	11.69		
ROUTED TO										HYDROGRAPH AT	SUB60	226.	12.10	30.	9.	8.	0.11		

2-year Storm

		RUNOFF SUMMARY					BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
		FLOW IN CUBIC FEET PER SECOND							
OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD					
				6-HOUR	24-HOUR	72-HOUR			
HYDROGRAPH AT	SUB2	125.	12.50	33.	10.	8.	0.35		
HYDROGRAPH AT	Sub1	254.	12.00	42.	13.	10.	0.28		
ROUTED TO	84th	259.	12.00	42.	13.	10.	0.28	1367.31	12.00
ROUTED TO	R1	258.	12.30	42.	13.	10.	0.28		
2 COMBINED AT	N2	378.	12.40	74.	23.	19.	0.63		
ROUTED TO	pond 2	346.	12.60	74.	23.	19.	0.63	1330.82	12.60
ROUTED TO	R2	347.	12.70	74.	23.	19.	0.63		
HYDROGRAPH AT	SUB4	86.	12.40	21.	6.	5.	0.19		
2 COMBINED AT	N3	416.	12.70	95.	29.	24.	0.82		
ROUTED TO	R3	410.	12.80	95.	30.	24.	0.82		
HYDROGRAPH AT	SUB5	273.	12.30	51.	16.	13.	0.37		
ROUTED TO	Pond 5	168.	12.60	51.	16.	13.	0.37	1343.32	12.60
ROUTED TO	R4	166.	12.70	51.	16.	13.	0.37		
HYDROGRAPH AT	SUB6	179.	12.00	22.	7.	5.	0.20		
2 COMBINED AT	N6	209.	12.10	73.	23.	18.	0.57		
ROUTED TO	R5	214.	12.20	73.	23.	18.	0.57		
HYDROGRAPH AT	SUB7	153.	12.10	21.	6.	5.	0.20		
2 COMBINED AT	N7	342.	12.10	93.	29.	23.	0.77		
ROUTED TO	Yankee	345.	12.20	93.	29.	23.	0.77	1306.30	12.20

3 COMBINED AT	N23	196.	12.00	49.	15.	12.	0.50			HYDROGRAPH AT	SUB29	223.	12.20	39.	12.	10.	0.27		
HYDROGRAPH AT	SUB20	129.	12.00	14.	4.	3.	0.13			2 COMBINED AT	N30	1263.	12.60	457.	180.	144.	6.32		
3 COMBINED AT	N24	857.	12.50	306.	130.	104.	4.98			ROUTED TO	R25	1250.	12.60	457.	179.	144.	6.32		
ROUTED TO	R21	845.	12.50	305.	129.	104.	4.98			HYDROGRAPH AT	SUB30	124.	12.30	25.	8.	6.	0.22		
HYDROGRAPH AT	SUB24	161.	12.00	16.	5.	4.	0.15			2 COMBINED AT	N31	1336.	12.60	461.	187.	150.	6.54		
2 COMBINED AT	N25	865.	12.50	319.	134.	108.	5.13			ROUTED TO	R26	1327.	12.70	480.	187.	150.	6.54		
ROUTED TO	56thBR	865.	12.50	319.	134.	108.	5.13	1234.31	12.50	DIVERSION TO	DIV26	950.	12.70	338.	131.	105.	6.54		
ROUTED TO	R22	854.	12.70	319.	134.	107.	5.13			HYDROGRAPH AT	DIV26	377.	12.70	142.	56.	45.	6.54		
HYDROGRAPH AT	SUB26	93.	12.20	17.	5.	4.	0.15			ROUTED TO	R26a	376.	12.70	142.	55.	45.	6.54		
ROUTED TO	ENRR26	93.	12.30	17.	5.	4.	0.15	137.16	12.30	ROUTED TO	40thSt	376.	12.70	142.	55.	45.	6.54	1206.43	12.70
HYDROGRAPH AT	SUB25	115.	12.30	24.	7.	6.	0.20			HYDROGRAPH AT	SUB31	277.	12.20	49.	15.	12.	0.39		
3 COMBINED AT	N26	974.	12.60	358.	147.	118.	5.48			2 COMBINED AT	N32	534.	12.40	188.	71.	57.	6.93		
ROUTED TO	5501dc	974.	12.60	358.	147.	118.	5.48	1225.88	12.60	ROUTED TO	R27	529.	12.50	188.	71.	57.	6.93		
ROUTED TO	R23	968.	12.70	357.	146.	117.	5.48			ROUTED TO	ENRR38	529.	12.50	188.	71.	57.	6.93	1206.86	12.50
ROUTED TO	ENRR	968.	12.70	357.	146.	117.	5.48	1222.51	12.70	HYDROGRAPH AT	SUB32	207.	12.10	27.	8.	7.	0.22		
ROUTED TO	HWY2BR	968.	12.70	357.	146.	117.	5.48	1222.51	12.70	HYDROGRAPH AT	OUT26	950.	12.70	338.	131.	105.	0.00		
HYDROGRAPH AT	SUB281	132.	12.30	27.	8.	7.	0.27			2 COMBINED AT	N33a	985.	12.60	361.	139.	112.	0.22		
ROUTED TO	R251	132.	12.40	27.	8.	7.	0.27			ROUTED TO	40SUPL	984.	12.60	361.	139.	112.	0.22	1209.96	12.60
HYDROGRAPH AT	SUB27	161.	12.30	31.	10.	8.	0.18			2 COMBINED AT	N37b	1496.	12.60	550.	210.	169.	7.15		
HYDROGRAPH AT	SUB28	86.	12.10	11.	3.	3.	0.12			DIVERSION TO	div38	0.	12.60	0.	0.	0.	7.15		
4 COMBINED AT	N29	1174.	12.60	422.	168.	135.	6.05			HYDROGRAPH AT	div38	1496.	12.60	550.	210.	169.	7.15		
ROUTED TO	R24	1159.	12.70	421.	167.	134.	6.05			ROUTED TO	R28a	1494.	12.60	549.	210.	168.	7.15		
ROUTED TO	48thBr	1159.	12.70	421.	167.	134.	6.05	1217.87	12.70	HYDROGRAPH AT	SUB35	149.	12.30	30.	9.	8.	0.23		
										ROUTED TO	CMP35	147.	12.30	30.	9.	8.	0.23		

3 COMBINED AT	N43	309.	12.10	108.	42.	35.	0.87			Tierra	1003.	12.50	291.	106.	86.	2.72	1192.21	12.50	
ROUTED TO	Browng	82.	14.60	70.	35.	30.	0.87	1228.01	14.60	ROUTED TO	R49	995.	12.60	291.	106.	86.	2.72		
ROUTED TO	R37	82.	14.70	70.	35.	30.	0.87			HYDROGRAPH AT	SUB33	167.	12.10	24.	7.	6.	0.27		
HYDROGRAPH AT	SUB51	99.	12.10	15.	5.	4.	0.14			ROUTED TO	R28	151.	12.30	24.	7.	6.	0.27		
3 COMBINED AT	N51	736.	12.40	204.	79.	64.	1.97			HYDROGRAPH AT	Out38	0.	0.10	0.	0.	0.	0.00		
ROUTED TO	R44	717.	12.50	204.	79.	64.	1.97			2 COMBINED AT	N37	151.	12.30	24.	7.	6.	0.27		
HYDROGRAPH AT	SUB52	248.	12.20	40.	12.	10.	0.32			ROUTED TO	38detn	126.	12.40	24.	7.	6.	0.27	1199.51	12.40
2 COMBINED AT	N52	873.	12.40	243.	91.	74.	2.29			ROUTED TO	R31	90.	12.80	24.	7.	6.	0.27		
ROUTED TO	JaneLn	874.	12.40	243.	91.	74.	2.29	108.84	12.40	HYDROGRAPH AT	SUB37	32.	12.90	8.	3.	2.	0.14		
ROUTED TO	R45	861.	12.40	243.	91.	74.	2.29			3 COMBINED AT	N38	1089.	12.60	323.	116.	94.	3.13		
HYDROGRAPH AT	SUB53	51.	12.00	5.	2.	1.	0.05			ROUTED TO	R50	1069.	12.60	322.	116.	94.	3.13		
2 COMBINED AT	N53	869.	12.40	248.	93.	76.	2.34			HYDROGRAPH AT	SUB38	218.	12.20	35.	11.	9.	0.29		
ROUTED TO	OldChn	869.	12.40	248.	93.	76.	2.34	1204.66	12.40	HYDROGRAPH AT	SUB39	70.	12.20	13.	4.	3.	0.09		
ROUTED TO	R46	860.	12.50	248.	93.	76.	2.34			4 COMBINED AT	N57	3000.	12.60	1008.	370.	298.	11.36		
HYDROGRAPH AT	SUB54	97.	12.40	22.	7.	5.	0.19			ROUTED TO	27thst	3003.	12.60	1008.	370.	298.	11.36	85.13	12.60
2 COMBINED AT	N54	952.	12.50	270.	99.	81.	2.53			ROUTED TO	R51	2972.	12.60	1008.	370.	298.	11.36		
ROUTED TO	R47	946.	12.50	269.	99.	81.	2.53			HYDROGRAPH AT	SUB57	127.	12.30	25.	8.	6.	0.18		
HYDROGRAPH AT	SUB55	75.	12.20	13.	4.	3.	0.10			2 COMBINED AT	N58	3054.	12.60	1031.	377.	304.	11.54		
2 COMBINED AT	N55	993.	12.50	282.	103.	84.	2.63			ROUTED TO	R52	3016.	12.70	1030.	377.	304.	11.54		
ROUTED TO	Sequoi	994.	12.50	282.	103.	84.	2.63	97.42	12.50	HYDROGRAPH AT	SUB58	82.	12.10	13.	4.	3.	0.15		
ROUTED TO	R48	975.	12.50	282.	103.	84.	2.63			2 COMBINED AT	N59	3037.	12.70	1041.	381.	308.	11.69		
HYDROGRAPH AT	SUB56	56.	12.20	9.	3.	2.	0.09			ROUTED TO	Southw	3037.	12.70	1041.	381.	308.	11.69	1178.98	12.70
2 COMBINED AT	N56	1004.	12.50	291.	106.	86.	2.72			ROUTED TO	R53	3013.	12.70	1040.	381.	307.	11.69		
ROUTED TO										HYDROGRAPH AT	SUB60	120.	12.10	16.	5.	4.	0.11		

