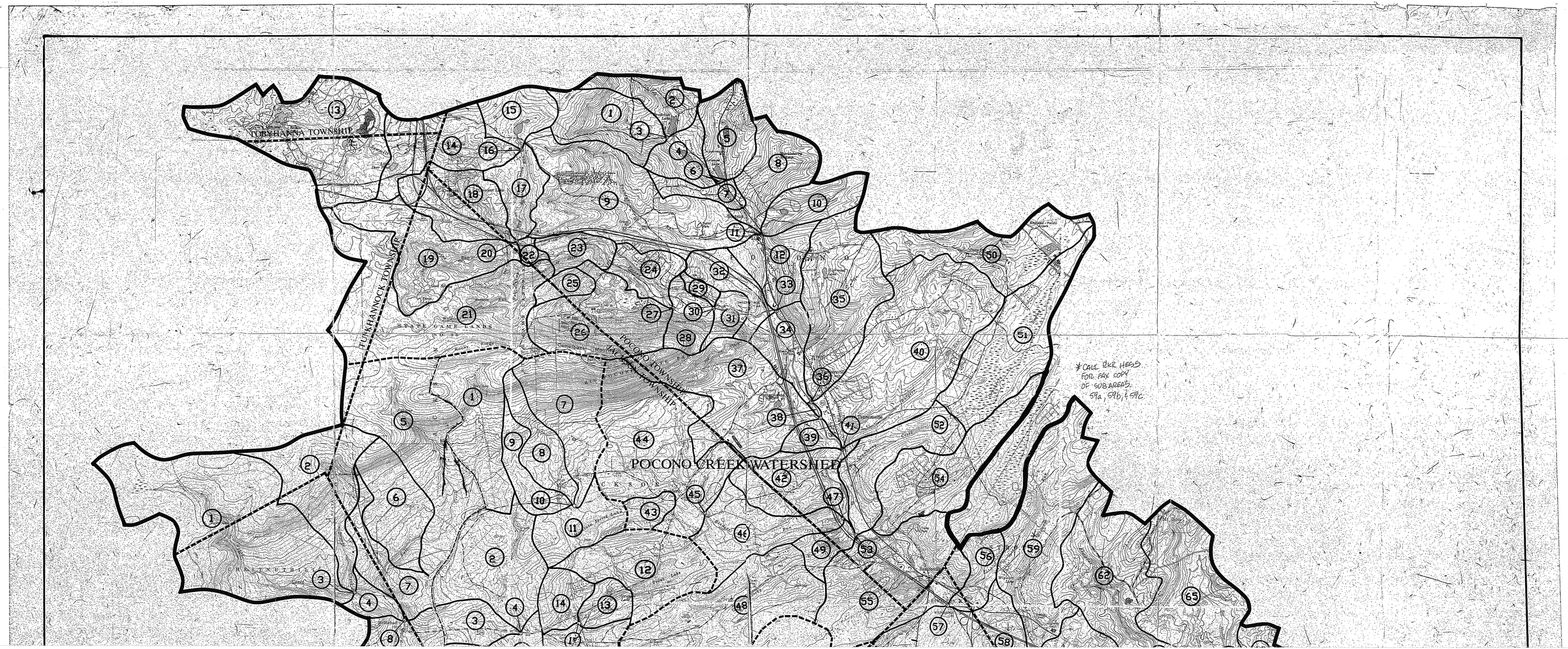
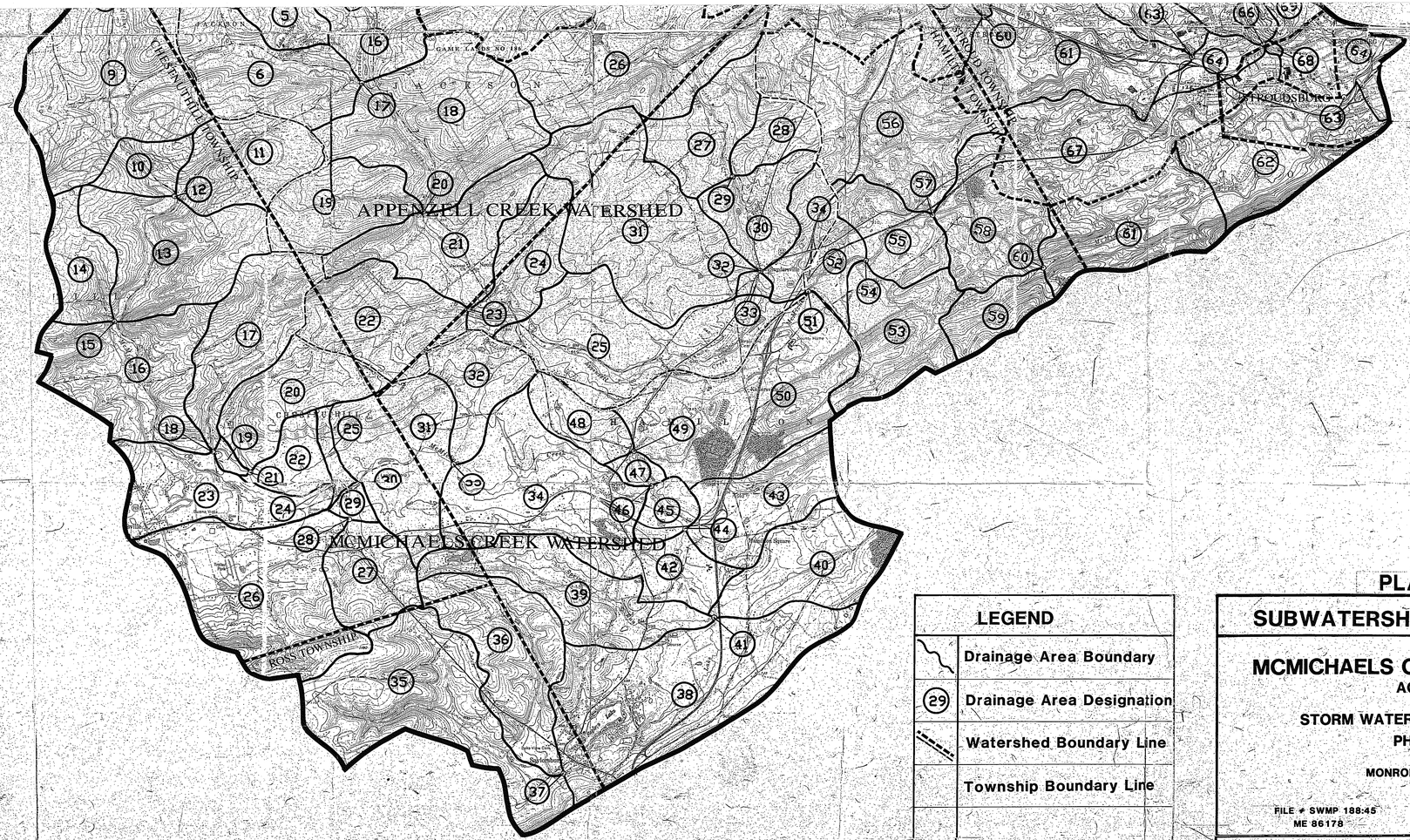

TUNKHANNOCK TOWNSHIP
POCONO TOWNSHIP
POCONO CREEK WATERSHED
STATE GAME LANDS
* CALL RUE HESS FOR FAX COPY OF SUBAREAS 59a, 59b, & 59c.



LEGEND

	Drainage Area Boundary
(29)	Drainage Area Designation
	Watershed Boundary Line
	Township Boundary Line

PLATE I

SUBWATERSHED DELINEATION

MCMICHAELS CREEK WATERSHED

ACT 167

STORM WATER MANAGEMENT PLAN

PHASE II

MONROE COUNTY, PA.

FILE # SWMP 188:45
ME 86178

1988
PROJECT NO. 86203.14

MONROE COUNTY PLANNING COMMISSION
MONROE COUNTY CONSERVATION DISTRICT

R.K.R. Hess Associates
Surveyors, Planners, Engineers, Architects
84 Park Avenue, Stroudsburg, Pennsylvania 18360
Telephone (717) 421-1500

SUBAREA PEAK FLOW TABLE (cfs)
POCONO CREEK
(24 Hour Duration)

Return Period

SUBAREA NUMBER	2.33 YR		5 YR		10 YR		25 YR		50 YR		100 YR	
	Subarea Peak	Combined Peak	Subarea Peak	Combined Peak	Subarea Peak	Combined Peak	Subarea Peak	Combined Peak	Subarea Peak	Combined Peak	Subarea Peak	Combined Peak
1	22.3	22.3	51.3	51.3	85.3	85.3	136.3	136.3	183.3	183.3	236.3	236.3
2	86.3	86.3	123.3	123.3	159.3	159.3	209.3	209.3	253.3	253.3	299.3	299.3
3	0.3	103.3	1.3	163.3	1.3	225.3	1.3	318.3	2.3	402.3	2.3	493.3
4	30.3	103.3	51.3	181.3	75.3	267.3	111.3	392.3	145.3	506.3	180.3	628.3
5	79.3	79.3	127.3	127.3	177.3	177.3	249.3	249.3	313.3	313.3	381.3	381.3
6	14.3	171.3	19.2	270.3	22.3	395.3	26.3	579.3	29.3	743.3	32.3	917.3
7	21.3	169.3	34.3	289.3	48.3	415.3	68.3	598.3	86.3	762.3	106.3	935.3
8	102.3	246.3	152.3	366.3	202.3	514.3	272.3	736.3	334.3	934.3	399.3	1151.3
9	98.3	98.3	171.3	171.3	253.3	253.3	378.3	378.3	496.3	496.3	625.3	625.3
10	39.3	39.3	62.3	62.3	86.3	86.3	121.3	121.3	153.3	153.3	187.3	187.3
11	0.3	373.3	1.3	579.3	1.3	787.3	1.3	1152.3	2.3	1485.3	2.3	1841.3
12	103.3	388.3	148.3	632.3	190.3	874.3	249.3	1250.3	299.3	1616.3	351.3	2003.3
13	391.3	391.3	551.3	551.3	695.3	695.3	884.3	884.3	1038.3	1038.3	1193.3	1193.3
14	99.3	378.3	145.3	519.3	193.3	650.3	260.3	829.3	321.3	981.3	386.3	1137.3
15	19.3	19.3	36.3	36.3	56.3	56.3	88.3	88.3	117.3	117.3	150.3	150.3
16	0.3	383.3	1.3	537.3	1.3	684.3	1.3	888.3	2.3	1064.3	2.3	1247.3
17	63.3	354.3	90.3	528.3	118.3	695.3	156.3	927.3	189.3	426.3	225.3	1334.3
18	101.3	101.3	149.3	149.3	196.3	196.3	262.3	262.3	321.3	321.3	383.3	383.3
19	8.3	8.3	14.3	14.3	25.3	25.3	46.3	46.3	70.3	70.3	99.3	99.3
20	1.3	389.3	3.3	589.3	5.3	793.3	10.3	1092.3	15.3	1358.3	20.3	1640.3
21	15.3	15.3	28.3	28.3	46.3	46.3	78.3	78.3	111.3	111.3	152.3	152.3
22	1.3	394.3	4.3	605.3	8.3	827.3	14.3	1159.3	21.3	1457.3	28.3	1777.3
23	17.3	393.3	27.3	596.3	40.3	809.3	59.3	1144.3	78.3	1458.3	99.3	1792.3
24	62.3	393.3	86.3	593.3	109.3	824.3	140.3	1180.3	167.3	1499.3	195.3	1839.3
25	4.3	4.3	9.3	9.3	17.3	17.3	28.3	28.3	38.3	38.3	50.3	50.3
26	114.3	116.3	166.3	168.3	217.3	221.3	288.3	294.3	353.3	357.3	420.3	423.3
27	0.3	428.3	1.3	660.3	1.3	921.3	1.3	1333.3	2.3	1706.3	2.3	2104.3
28	16.3	425.3	25.3	660.3	34.3	936.3	48.3	1344.3	61.3	1713.3	74.3	2105.3
29	21.3	21.3	30.3	30.3	38.3	38.3	48.3	48.3	58.3	58.3	67.3	67.3
30	0.3	429.3	1.3	667.3	1.3	945.3	1.3	1355.3	2.3	1725.3	2.3	2119.3
31	16.3	435.3	33.3	689.3	52.3	974.3	84.3	1388.3	112.3	1260.3	143.3	2163.3
32	84.3	452.3	117.3	707.3	146.3	993.3	184.3	1404.3	215.3	1291.3	246.3	2214.3
33	0.3	804.3	1.3	1261.3	1.3	1783.3	1.3	2598.3	2.3	3325.3	2.3	4092.3
34	96.3	803.3	133.3	1281.3	169.3	1821.3	218.3	2634.3	261.3	3384.3	305.3	4172.3
35	160.3	160.3	235.3	235.3	308.3	308.3	409.3	409.3	497.3	497.3	588.3	588.3
36	0.3	860.3	1.3	1372.3	1.3	1948.3	1.3	2815.3	2.3	3617.3	2.3	4459.3
37	181.3	181.3	264.3	264.3	343.3	343.3	455.3	455.3	552.3	552.3	653.2	653.2
38	0.3	917.3	1.3	1459.3	1.3	2073.3	1.3	3001.3	2.3	3857.3	2.3	4756.3
39	8.3	918.3	15.3	1462.3	24.3	2065.3	36.3	3017.3	48.3	3860.3	61.3	4748.3
40	397.3	397.3	569.3	569.3	728.3	728.3	941.3	941.3	1120.3	1120.3	1303.3	1303.3
41	0.3	1087.3	1.3	1634.3	1.3	2300.3	1.3	3326.3	2.3	4250.3	2.3	5223.3
42	39.3	1095.3	61.3	1667.3	84.3	2343.3	117.3	3373.3	147.3	4330.3	178.3	5332.3
43	18.3	18.3	29.3	29.3	41.3	41.3	58.3	58.3	75.3	75.3	92.3	92.3
44	121.3	131.3	185.3	199.3	251.3	266.3	345.3	363.3	430.3	450.3	520.3	543.3
45	0.3	128.3	1.3	193.3	1.3	258.3	1.3	351.3	2.3	434.3	2.3	523.3
46	50.3	132.3	78.3	212.3	107.3	305.3	150.3	437.3	188.3	555.3	228.3	680.3
47	0.3	1220.3	1.3	1838.3	1.3	2573.3	1.3	3710.3	2.3	4770.3	2.3	5881.3
48	76.3	76.3	124.3	124.3	175.3	175.3	249.3	249.3	317.3	317.3	390.3	390.3
49	48.3	1287.3	75.3	1951.3	104.3	2729.3	146.3	3941.3	182.3	5057.3	221.3	6228.3
50	197.3	197.3	287.3	287.3	376.3	376.3	499.3	499.3	606.3	606.3	718.3	718.3
51	113.3	214.3	176.3	298.3	241.3	381.3	336.3	543.3	420.3	685.3	510.3	832.3
52	117.3	216.3	176.3	332.3	236.3	436.4	320.3	621.3	396.3	769.3	476.3	916.3
53	0.3	1436.3	1.3	2158.3	1.3	2996.3	1.3	4315.3	2.3	5533.3	2.3	6808.3
54	61.3	61.3	91.3	91.3	118.3	118.3	155.3	155.3	187.3	187.3	219.3	219.3
55	197.3	1506.3	290.3	2303.3	379.3	3182.3	501.3	4573.3	606.3	5829.3	716.3	7154.3
56	80.3	80.3	117.3	117.3	153.3	153.3	204.3	204.3	249.3	249.3	296.3	296.3
57	0.3	1517.3	1.3	2330.3	1.3	3221.3	1.3	4623.3	2.3	5886.3	2.3	7221.3
58	157.3	1548.3	225.3	2381.3	290.3	3297.3	378.3	4735.3	452.3	6032.3	530.3	7407.3
59	269.3	269.3	286.3	286.3	497.3	497.3	646.3	646.3	772.3	772.3	903.3	903.3
60	0.3	1613.3	1.3	2483.3	1.3	3442.3	1.3	4940.3	2.3	6290.3	2.3	7716.3
61	185.3	1623.3	262.3	2499.3	335.3	3484.3	437.3	5015.3	525.3	6441.3	621.3	7887.3
62	370.3	370.3	520.3	520.3	659.3	659.3	848.3	848.3	1008.3	1008.3	1173.3	1173.3
63	0.3	1671.3	1.3	2589.3	1.3	3617.3	1.3	5202.3	2.3	6638.3	2.3	8161.3
64	105.3	1634.3	143.3	2579.3	177.3	3623.3	222.3	5212.3	259.3	6654.3	297.3	8150.3
65	181.3	181.3	264.3	264.3	344.3	344.3	453.3	453.3	549.3	549.3	648.3	648.3
66	0.3	1667.3	1.3	2644.3	1.3	3724.3	1.3	5361.3	2.3	6844.3	2.3	8382.3
67	125.3	125.3	177.3	177.3	229.3	229.3	305.3	305.3	373.3	373.3	446.3	446.3
68	0.3	1675.3	1.3	2653.3	2.3	3749.3	4.3	5420.3	6.3	6929.3	9.3	8494.3
69	63.3	1687.3	94.3	2659.3	125.3	3774.3	166.3	5456.3	201.3	6996.3	237.3	8591.3

PAD/179/mml

SUBAREA PEAK FLOW TABLE (cfs)
MCMICHAELS CREEK
(24 Hour Duration)

Return Period

SUBAREA NUMBER	2.33 YR		5 YR		10 YR		25 YR		50 YR		100 YR	
	Subarea Peak	Combined Peak	Subarea Peak	Combined Peak	Subarea Peak	Combined Peak	Subarea Peak	Combined Peak	Subarea Peak	Combined Peak	Subarea Peak	Combined Peak
1	113.2	113.2	199.2	199.2	297.2	297.2	458.2	458.2	603.2	603.2	765.2	765.2
2	10.2	10.2	30.2	30.2	54.2	54.2	95.2	95.2	132.2	132.2	172.2	172.2
3	0.2	123.2	1.2	221.2	1.2	331.2	1.2	509.2	1.2	667.2	1.2	851.2
4	27.2	124.2	43.2	214.2	60.2	339.2	85.2	553.2	108.2	735.2	132.2	934.2
5	27.2	27.2	70.2	70.2	122.2	122.2	206.2	206.2	280.2	280.2	363.2	363.2
6	70.2	91.2	103.2	153.2	137.2	221.2	183.2	316.2	224.2	408.2	267.2	519.2
7	17.2	88.2	28.2	150.2	41.2	234.2	60.2	361.2	78.2	469.2	98.2	599.2
8	0.2	209.2	1.2	361.2	1.2	572.2	1.2	906.2	1.2	1178.2	1.2	1507.2
9	220.2	354.2	320.2	541.2	420.2	768.2	556.2	1159.2	677.2	1524.2	802.2	1899.2
10	37.2	360.2	56.2	549.2	75.2	806.2	103.2	1197.2	129.2	1557.2	156.2	1974.2
11	107.2	107.2	155.2	155.2	203.2	203.2	267.2	267.2	324.2	324.2	382.2	382.2
12	0.2	460.2	1.2	690.2	1.2	910.2	1.2	1317.2	1.2	1697.2	1.2	2138.2
13	65.2	423.2	110.2	719.2	164.2	1038.2	243.2	1474.2	317.2	1894.2	398.2	2361.2
14	41.2	41.2	63.2	63.2	86.2	86.2	118.2	118.2	147.2	147.2	177.2	177.2
15	0.2	447.2	1.2	753.2	1.2	1086.2	1.2	1540.2	1.2	1971.2	1.2	2454.2
16	52.2	474.2	85.2	778.2	121.2	1144.2	180.2	1653.2	231.2	2108.2	290.2	2591.2
17	35.2	35.2	66.2	66.2	103.2	103.2	158.2	158.2	211.2	211.2	268.2	268.2
18	0.2	495.2	1.2	829.2	1.2	1220.2	1.2	1768.2	1.2	2242.2	1.2	2746.2
19	1.2	475.2	4.2	828.2	7.2	1213.2	12.2	1763.2	16.2	2228.2	21.2	2748.2
20	66.2	66.2	111.2	111.2	162.2	162.2	240.2	240.2	311.2	311.2	390.2	390.2
21	0.2	506.2	1.2	890.2	1.2	1299.2	1.2	1872.2	1.2	2344.2	1.2	2868.2
22	11.2	487.2	31.2	889.2	58.2	1303.2	100.2	1886.2	143.2	2363.2	188.2	2875.2
23	49.2	49.2	68.2	68.2	86.2	86.2	113.2	113.2	137.2	137.2	162.2	162.2
24	0.2	496.2	1.2	897.2	1.2	1305.2	1.2	1896.2	1.2	2381.2	1.2	2904.2
25	9.2	497.2	14.2	884.2	19.2	1300.2	27.2	1893.2	34.2	2376.2	42.2	2908.2
26	128.2	128.2	190.2	190.2	253.2	253.2	339.2	339.2	416.2	416.2	497.2	497.2
27	47.2	47.2	88.2	88.2	137.2	137.2	209.2	209.2	276.2	276.2	346.2	346.2
28	0.2	171.2	1.2	266.2	1.2	368.2	1.2	511.2	1.2	643.2	1.2	782.2
29	4.2	146.2	7.2	253.2	10.2	364.2	15.2	517.2	20.2	656.2	25.2	803.2
30	0.2	617.2	1.2	1062.2	1.2	1500.2	1.2	2160.2	1.2	2688.2	1.2	3258.2
31	59.2	630.2	108.2	1115.2	166.2	1582.2	260.2	2254.2	344.2	2790.2	439.2	3374.3
32	43.2	43.2	68.2	68.2	96.2	96.2	138.2	138.2	179.2	179.2	222.2	222.2
33	0.2	638.2	1.2	1134.2	1.2	1610.2	1.2	2290.2	1.2	2833.2	1.2	3422.3
34	130.2	646.2	194.2	1178.2	257.2	1680.2	352.2	2392.2	434.2	2943.2	522.2	3538.2
35	76.2	76.2	149.2	149.2	234.2	234.2	374.2	374.2	499.2	499.2	642.2	642.2
36	19.2	19.2	50.2	50.2	88.2	88.2	148.2	148.2	201.2	201.2	260.2	260.2
37	0.2	94.2	1.2	185.2	1.2	293.2	1.2	483.2	1.2	647.2	1.2	829.2
38	118.2	165.2	191.2	297.2	270.2	471.2	387.2	737.2	492.2	978.2	605.2	1230.2
39	20.2	20.2	39.2	39.2	62.2	62.2	100.2	100.2	137.2	137.2	177.2	177.2
40	39.2	39.2	61.2	61.2	86.2	86.2	122.2	122.2	159.2	159.2	199.2	199.2

SUBAREA PEAK FLOW TABLE (cfs)
MCMICHAELS CREEK
(24 Hour Duration)

Return Period

SUBAREA NUMBER	2.33 YR		5 YR		10 YR		25 YR		50 YR		100 YR	
	Subarea Peak	Combined Peak	Subarea Peak	Combined Peak	Subarea Peak	Combined Peak	Subarea Peak	Combined Peak	Subarea Peak	Combined Peak	Subarea Peak	Combined Peak
41	0.2	194.2	1.2	357.2	1.2	558.2	1.2	882.2	1.2	1185.2	1.2	1483.2
42	40.2	201.2	61.2	377.2	83.2	581.2	116.2	914.2	148.2	1202.2	181.2	1522.2
43	24.2	24.2	52.2	52.2	84.2	84.2	139.2	139.2	190.2	190.2	246.2	246.2
44	0.2	215.2	1.2	413.2	1.2	631.2	1.2	984.2	1.2	1295.2	1.2	1632.2
45	7.2	205.2	9.2	403.2	12.2	620.2	17.2	977.2	23.2	1288.3	92.2	1613.2
46	0.2	807.2	1.2	1550.2	1.2	2261.2	1.2	3248.2	1.2	4009.3	1.2	4769.3
47	2.2	806.2	3.2	1549.2	4.2	2251.2	6.2	3242.2	8.2	4003.3	11.2	4767.3
48	22.2	22.2	40.2	40.2	63.2	63.2	99.2	99.2	135.2	135.2	176.2	176.2
49	0.2	805.2	1.2	1552.2	1.2	2253.2	1.2	3249.2	1.2	4013.3	1.2	4783.3
50	96.2	796.2	178.2	1561.3	277.2	2275.3	438.2	3261.3	597.2	4050.3	764.2	4828.3
51	0.2	795.2	1.2	1558.3	1.2	2271.3	1.2	3252.3	1.2	4049.3	1.2	4826.3
52	3.2	1139.2	6.2	2188.3	10.2	3144.3	16.2	4522.3	23.2	5626.3	30.2	6711.3
53	29.2	29.2	66.2	66.2	111.2	111.2	185.2	185.2	251.2	251.2	327.2	327.2
54	0.2	1141.2	0.2	2201.3	1.2	3163.3	1.2	4546.3	1.2	5654.3	1.2	6744.3
55	24.2	1142.2	35.2	2186.3	47.2	3138.2	66.2	4522.4	84.2	5636.4	104.2	6737.4
56	59.2	59.2	90.2	90.2	124.2	124.2	174.2	174.2	223.2	223.2	277.2	277.2
57	0.2	1142.3	0.2	2180.3	1.2	3138.3	1.2	4541.4	1.2	5668.4	1.2	6781.4
58	43.2	1124.3	60.2	2179.3	75.2	3123.4	98.2	4530.4	119.2	5657.4	141.2	6768.4
59	30.2	30.2	65.2	65.2	105.2	105.2	164.2	164.2	218.2	218.2	276.2	276.2
60	0.2	1124.3	0.2	2176.3	1.2	3124.4	1.2	4527.4	1.2	5655.4	1.2	6769.4
61	68.2	1128.3	112.2	2162.4	162.2	3122.4	237.2	4525.4	307.2	5648.4	381.2	6776.5
62	122.2	1126.3	170.2	2158.4	216.2	3121.5	278.2	4519.5	331.2	5647.5	387.2	6776.5
63	0.2	1126.3	0.2	2156.4	1.2	3117.5	1.2	4514.5	1.2	5641.5	1.2	6772.5
64	217.2	1116.3	285.2	2122.4	342.2	3098.5	140.2	4500.5	464.2	5637.5	515.2	6762.5

SUBAREA PEAK FLOW TABLE (cfs)
APPENZELL CREEK
(24 Hour Duration)

Return Period

SUBAREA NUMBER	2.33 YR		5 YR		10 YR		25 YR		50 YR		100 YR	
	Subarea Peak	Combined Peak	Subarea Peak	Combined Peak	Subarea Peak	Combined Peak	Subarea Peak	Combined Peak	Subarea Peak	Combined Peak	Subarea Peak	Combined Peak
1	99.2	99.2	145.2	145.2	191.2	191.2	258.2	258.2	316.2	316.2	377.2	377.2
2	31.2	98.2	59.2	165.2	92.2	275.2	141.2	324.2	189.2	427.2	241.2	546.2
3	24.2	24.2	46.2	46.2	73.2	73.2	116.2	116.2	154.2	154.2	197.2	197.2
4	0.2	114.2	0.2	201.2	1.2	331.2	1.2	416.2	1.2	533.2	1.2	673.2
5	24.2	72.2	42.2	138.2	63.2	233.2	94.2	368.2	122.2	486.2	152.2	620.2
6	86.2	105.2	136.2	191.2	190.2	314.2	269.2	492.2	342.2	637.2	421.2	795.2
7	26.2	26.2	65.2	65.2	111.2	111.2	190.2	190.2	262.2	262.2	343.2	343.2
8	24.2	24.2	48.2	48.2	78.2	78.2	121.2	121.2	162.2	162.2	207.2	207.2
9	16.2	16.2	27.2	27.2	40.2	40.2	59.2	59.2	77.2	77.2	96.2	96.2
10	0.2	64.2	0.2	131.2	1.2	214.2	1.2	347.2	1.2	464.2	1.2	590.2
11	28.2	23.3	52.2	61.3	78.2	103.3	118.2	160.3	153.2	208.3	191.2	255.3
12	60.2	33.3	100.2	81.3	141.2	132.3	202.2	200.3	257.2	255.3	316.2	310.3
13	39.2	45.2	68.2	84.3	101.2	136.3	146.2	206.3	186.2	263.3	229.2	319.3
14	61.2	61.2	88.2	88.2	116.2	116.2	153.2	153.2	187.2	187.2	221.2	221.2
15	0.2	102.2	0.2	159.2	1.2	220.2	1.2	303.2	1.2	375.2	1.2	451.2
16	38.2	137.2	68.2	221.2	103.2	312.2	154.2	430.2	202.2	538.2	254.2	653.2
17	0.2	238.2	0.2	375.2	1.2	508.2	1.2	759.2	1.2	973.2	1.2	1198.2
18	67.2	246.2	118.2	430.2	178.2	615.2	265.2	926.2	348.2	1185.2	437.2	1447.2
19	48.2	48.2	75.2	75.2	103.2	103.2	142.2	142.2	179.2	179.2	218.2	218.2
20	0.2	271.2	0.2	474.2	1.2	680.2	1.2	1002.2	1.2	1278.2	1.2	1560.2
21	109.2	311.2	164.2	538.2	221.2	773.2	301.2	1104.2	374.2	1403.2	452.2	1692.2
22	51.2	51.2	88.2	88.2	132.2	132.2	195.2	195.2	256.2	256.2	320.2	320.2
23	0.2	357.2	0.2	604.2	1.2	878.2	1.2	1254.2	1.2	1591.2	1.2	1902.2
24	32.2	367.2	59.2	641.2	90.2	932.2	136.2	1333.2	180.2	1686.2	229.2	2053.2
25	158.2	379.2	220.2	666.2	283.2	994.2	376.2	1401.2	461.2	1778.2	553.2	2178.2
26	107.2	107.2	170.2	170.2	238.2	238.2	335.2	335.2	428.2	428.2	526.2	526.2
27	55.2	136.2	87.2	213.2	120.2	275.2	170.2	424.2	215.2	557.2	264.2	698.2
28	29.2	29.2	44.2	44.2	58.2	58.2	81.2	81.2	100.2	100.2	121.2	121.2
29	0.2	163.2	0.2	252.2	1.2	316.2	1.2	472.2	1.2	615.2	1.2	766.2
30	49.2	174.2	75.2	268.2	102.2	374.2	141.2	522.2	177.2	694.2	214.2	875.2
31	95.2	95.2	152.2	152.2	214.2	214.2	309.2	309.2	395.2	395.2	491.2	491.2
32	0.2	266.2	0.2	413.2	1.2	529.2	1.2	748.2	1.2	985.2	1.2	1239.2
33	11.2	588.2	18.2	987.2	24.2	1480.2	34.2	2091.2	43.2	2618.2	52.2	3165.2
34	28.2	1140.2	42.2	2192.3	57.2	3142.3	78.2	4529.3	98.2	5623.3	118.2	6698.3