

APPENDIX 1

ANTIETAM CREEK WATERSHED
EAST

PRE-DEVELOPMENT			POST-DEVELOPMENT			
ID NO.	Q-2 (CFS)	Q-10 (CFS)	Q-100 (CFS)	Q-2 (CFS)	Q-10 (CFS)	Q-100 (CFS)
1	7.4	45.5	129.0	9.5	62.3	165.6
2	12.8	47.7	107.3	14.3	57.1	129.2
3	26.7	96.5	214.5	29.9	115.4	252.9
4	34.9	139.4	334.6	40.0	173.2	415.6
5	42.6	202.8	501.4	53.0	259.0	620.9
6	8.6	58.2	150.9	12.6	77.0	189.2
7	67.5	208.0	651.7	67.5	314.0	812.3
8	67.5	208.0	651.6	67.6	313.9	812.2
9	70.9	212.7	667.0	73.4	322.1	830.1
10	11.0	59.3	148.2	14.8	75.9	184.1
11	20.0	111.6	283.9	26.4	146.1	354.8
12	90.0	301.4	919.7	99.8	451.4	1139.7
13	103.7	351.3	1057.4	120.5	526.0	1302.2
14	115.9	391.4	1151.7	140.6	582.2	1409.3
15	7.4	48.2	121.4	10.8	63.2	151.3
16	123.6	432.7	1245.5	151.7	633.2	1520.3
17	133.7	494.6	1336.4	167.9	685.8	1625.3
18	7.8	48.2	116.8	11.5	62.4	144.2
19	6.4	40.1	98.9	9.4	52.3	122.4
20	14.8	88.9	216.2	21.5	155.0	266.2
21	24.0	143.9	349.4	35.1	187.1	428.5
22	38.6	234.6	559.0	56.7	303.5	689.0
23	172.3	729.3	1808.4	224.6	944.8	2182.6
24	174.6	749.0	1838.2	228.0	961.2	2219.4
25	10.3	64.7	158.5	14.9	84.0	195.9

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EAST
(continued)

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ID NO.	Q-2 (CFS)	Q-10 (CFS)	Q-100 (CFS)	Q-2 (CFS)	Q-10 (CFS)	Q-100 (CFS)
26	20.9	127.8	313.3	30.4	165.7	386.0
27	195.0	876.8	2093.0	258.4	1112.4	2524.1
28	202.8	927.8	2172.5	270.0	1178.6	2624.4
29	10.6	70.2	181.1	14.9	92.9	226.5
30	19.2	121.1	307.5	26.8	159.3	381.6
31	220.9	1048.7	2459.5	296.8	1337.6	2983.8
32	229.5	1117.4	2645.3	309.0	1432.9	3219.1
33	229.5	1117.0	2645.3	308.9	1432.5	3219.1
34	237.4	1203.2	2844.3	326.8	1540.0	3480.1
35	9.3	61.6	162.1	12.8	82.2	203.6
36	17.4	111.4	283.2	24.3	146.7	351.8
37	23.9	160.9	408.8	34.5	211.9	507.9
38	260.0	1362.0	3241.7	359.4	1749.9	3972.2
39	259.9	1364.1	3243.0	360.1	1752.6	3973.4
40	23.9	160.8	398.0	36.1	210.3	487.9
41	30.0	167.7	400.1	42.9	216.3	467.3
42	285.7	1481.2	3465.4	393.3	1902.1	4228.6
43	293.6	1551.3	3599.8	411.8	1986.8	4386.5
44	293.5	1551.1	3597.9	411.8	1986.4	4383.8
45	306.9	1596.9	3736.5	427.1	2052.3	4546.4
46	4.2	27.7	73.4	5.7	37.0	92.5
47	4.5	30.3	80.3	6.2	40.4	101.5
48	9.3	58.6	153.9	12.6	77.9	194.0
49	57.0	199.8	424.9	64.1	236.1	500.5
50	352.6	1764.8	4068.7	479.5	2257.2	4939.7

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EAST
(continued)

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ID NO.	Q-2 (CFS)	Q-10 (CFS)	Q-100 (CFS)	Q-2 (CFS)	Q-10 (CFS)	Q-100 (CFS)
51	355.2	1770.6	4075.4	482.6	2262.7	4646.4
52	10.5	68.9	174.3	15.0	90.5	217.2
53	17.6	111.3	278.3	24.9	145.8	347.3
54	17.1	111.4	278.5	25.0	145.9	347.4
55	66.8	252.7	555.0	77.7	308.3	657.0
56	5.7	36.6	91.6	8.1	48.0	113.4
57	72.4	288.2	645.1	86.1	345.7	769.0
58	85.4	352.3	798.5	102.4	439.0	954.8
59	427.0	2096.1	4784.9	577.4	2674.1	5781.7
60	22.7	88.1	188.7	26.8	105.7	222.0
61	460.9	2239.8	5061.2	623.4	2844.5	6112.8
62	475.8	2284.7	5125.2	638.8	2876.8	6166.6
63	479.3	2298.6	5162.1	645.4	2900.9	6211.4
64	34.3	137.4	289.0	43.2	168.2	338.6
65	12.1	56.4	122.3	17.4	71.8	145.7
66	44.7	188.1	395.5	59.3	233.8	464.5
67	85.2	319.9	649.8	106.7	388.5	755.8
68	547.1	2533.7	5572.9	732.3	3182.6	6672.7
69	565.5	2577.2	5693.4	759.2	3241.6	6747.2
70	565.4	2576.1	5638.8	759.2	3241.1	6746.1
71	586.3	2630.8	5718.2	776.6	3296.4	6827.0
72	433.5	1002.4	1585.7	469.0	1037.2	1617.6
73	337.3	719.8	1079.6	372.1	754.5	1110.1
74	315.8	662.9	998.2	350.7	699.7	1035.8
75	57.0	176.2	344.7	59.9	192.9	384.3

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EAST
(continued)

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ID NO.	Q-2 (CFS)	Q-10 (CFS)	Q-100 (CFS)	Q-2 (CFS)	Q-10 (CFS)	Q-100 (CFS)
76	52.3	155.2	294.6	55.1	169.7	325.4
77	110.0	328.3	630.4	155.7	360.4	702.0
78	112.1	357.6	723.5	120.0	403.8	826.9
79	136.8	439.7	895.8	148.6	503.2	1032.9
80	29.0	88.8	168.0	30.6	96.7	184.4
81	164.1	519.7	1045.2	177.9	591.9	1199.4
82	164.5	538.5	1094.2	181.4	626.3	1270.2
83	61.6	174.9	318.5	64.3	187.6	344.2
84	91.3	269.6	510.7	97.2	298.3	569.2
85	91.3	269.5	510.4	97.2	298.3	568.7
86	95.7	297.5	592.7	105.3	341.5	679.1
87	5.7	35.9	88.5	8.2	46.9	108.7
88	12.9	78.8	192.1	18.5	102.2	236.2
89	108.6	372.6	780.6	123.0	439.6	912.2
90	116.8	426.7	912.6	134.5	510.9	1077.1
91	127.4	466.5	1015.0	145.6	565.3	1204.8
92	127.3	466.6	1015.0	145.7	565.3	1204.8
93	154.9	567.1	1208.4	181.3	682.6	1423.6
94	155.0	567.1	1208.0	181.4	682.5	1422.9
95	192.6	651.5	1337.6	218.5	775.9	1550.7
96	356.9	1187.8	2431.1	400.0	1402.1	2819.6
97	394.5	1341.3	2688.3	454.7	1577.1	3094.5
98	5.0	23.9	59.6	6.1	30.4	74.3
99	3.6	23.4	65.1	4.8	31.9	83.1
100	9.4	47.7	125.1	11.5	62.8	158.0

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EAST
(continued)

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ID NO.	Q-2 (CFS)	Q-10 (CFS)	Q-100 (CFS)	Q-2 (CFS)	Q-10 (CFS)	Q-100 (CFS)
101	17.4	91.3	217.0	23.5	117.7	265.4
102	16.0	67.0	157.7	18.6	82.5	191.9
103	34.5	145.9	328.4	42.7	180.7	387.9
104	49.8	228.3	515.3	65.0	288.2	623.0
105	71.4	328.5	717.6	95.1	414.4	858.5
106	465.8	1639.7	3341.1	548.0	1946.6	3899.2
107	472.6	1696.7	3498.8	567.9	2033.9	4056.5
108	1109.1	4198.9	8668.6	1384.0	5150.2	10218.7
109	1119.2	4257.9	8756.3	1392.7	5218.6	10301.2
110	1119.2	4255.1	8752.0	1392.7	5216.3	10293.8
111	10.4	52.4	177.4	15.1	67.1	141.5
112	1138.1	4300.6	8794.1	1418.7	5259.3	10366.3
113	13.1	70.5	160.1	19.3	90.0	194.1
114	9.9	54.6	125.1	14.6	69.8	152.0
115	23.9	126.1	285.7	34.8	160.5	345.9
116	26.2	133.8	301.1	37.7	170.1	363.5
117	1163.2	4416.8	9010.6	1455.5	5399.4	10612.4
118	1168.6	4435.2	9049.4	1463.8	5426.8	10613.6
119	755.8	1659.9	2589.1	668.2	1548.1	2491.2
120	621.7	1277.5	1875.6	534.0	1169.5	1779.6
121	506.3	1298.6	2010.6	426.9	1187.0	1955.6
122	1318.8	4652.9	9317.5	1567.5	5622.9	10881.0
123	1326.1	4670.6	9338.3	1573.8	5633.2	10931.2

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124	13.2	83.8	208.4	19.4	109.5	258.8
125	24.9	151.5	369.8	36.0	196.6	457.4
126	10.8	67.7	166.3	15.5	88.5	203.7
127	36.5	218.7	529.9	52.3	282.5	652.2
128	45.4	271.5	655.8	65.3	351.2	802.6
129	45.4	271.5	655.7	65.3	351.1	802.6
130	100.1	397.8	878.6	122.7	499.2	1044.1
131	99.0	397.8	878.3	122.4	499.1	1043.7
132	101.0	405.4	889.1	122.8	506.9	1054.0
133	15.1	89.1	208.9	22.1	114.7	254.3
134	17.2	96.1	222.9	24.8	123.2	271.1
135	104.0	477.7	1068.7	134.4	601.3	1284.1
136	34.6	161.7	346.5	49.2	204.6	408.0
137	162.7	686.1	1469.3	209.7	854.9	1738.4
138	162.6	686.0	1469.0	209.5	854.8	1737.9
139	191.8	767.4	1608.8	243.2	949.2	1889.9
140	191.8	767.3	1608.4	243.0	949.1	1889.4
141	14.7	58.1	125.3	17.7	70.5	148.2
142	225.5	914.1	1891.7	291.7	1124.1	2221.3
143	225.4	912.9	1891.7	291.5	1122.4	2221.1
144	12.2	62.0	144.3	16.5	79.1	175.5
145	21.2	106.1	241.8	29.0	134.1	291.5
146	263.2	1086.2	2267.1	340.1	1340.9	2659.2
147	263.1	1085.9	2266.3	340.1	1340.5	2658.2
148	9.9	61.8	150.1	14.4	80.2	184.9
149	285.8	1204.3	2515.8	377.1	1486.2	2953.3
150	299.2	1251.8	2614.3	389.6	1545.9	3067.4

ANTIETAM CREEK WATERSHED
WEST
(continued)

PRE-DEVELOPMENT				POST-DEVELOPMENT		
ID NO.	Q-2 (CFS)	Q-10 (CFS)	Q-100 (CFS)	Q-2 (CFS)	Q-10 (CFS)	Q-100 (CFS)
151	299.0	1251.3	2612.6	389.6	1545.0	3065.3
152	335.4	1413.3	2921.3	448.3	1742.7	3413.6
153	335.4	1413.3	2921.1	448.1	1742.7	3413.4
154	367.4	1524.3	3109.4	458.1	1870.6	3621.5
155	384.4	1611.1	3282.7	514.8	1977.9	3820.1
156	6.7	39.3	92.1	9.8	50.5	112.3
157	5.4	34.9	87.6	7.7	45.7	108.8
158	12.6	74.8	180.3	18.0	96.9	221.5
159	21.7	113.3	264.0	29.8	144.9	320.6
160	27.8	130.0	281.9	40.2	165.5	336.0
161	73.9	336.8	731.3	100.6	423.8	868.9
162	85.1	388.3	827.2	117.3	485.8	997.6
163	464.2	1951.0	3965.4	625.3	2396.4	4608.7
164	474.7	1985.3	4013.3	637.3	2433.0	4660.9
165	474.7	1984.8	4012.0	637.0	2432.3	4659.5
166	493.2	2046.6	4111.9	661.7	2503.2	4770.3
167	18.2	85.9	188.7	25.4	108.4	225.6
168	17.6	90.1	198.4	26.0	144.2	237.7
169	22.1	108.4	236.3	32.5	137.3	282.3
170	87.1	381.0	793.4	121.0	474.8	932.9
171	86.9	380.1	791.8	120.8	473.8	931.3
172	102.8	449.6	923.4	143.6	557.8	1080.8
173	112.9	501.3	1029.3	159.1	622.0	1203.3
174	121.0	538.4	1101.8	170.9	667.5	1286.0
175	16.4	83.2	181.9	24.2	105.2	217.3

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WEST
(continued)

PRE-DEVELOPMENT			POST-DEVELOPMENT			
ID NO.	Q-2 (CFS)	Q-10 (CFS)	Q-100 (CFS)	Q-2 (CFS)	Q-10 (CFS)	Q-100 (CFS)
176	138.1	622.0	1279.8	195.9	772.6	1520.7
177	142.8	635.9	1302.2	202.7	788.7	102.3
178	7.0	37.4	84.5	10.3	47.6	127.8
179	8.7	46.7	105.6	12.8	59.5	230.1
180	16.3	84.7	190.8	23.7	107.8	352.3
181	27.9	132.7	293.3	38.5	167.7	482.0
182	37.8	183.1	403.3	52.8	232.1	2908.9
183	177.7	800.5	1636.9	252.9	992.2	357.3
184	27.1	136.1	298.4	39.9	172.3	741.0
185	60.7	286.5	620.7	86.3	362.9	2837.4
186	262.6	1192.1	2434.3	377.0	1477.8	2837.3
187	262.6	1191.9	2434.1	377.0	1477.6	434.8
188	35.2	165.6	363.8	49.5	210.3	3298.7
189	314.4	1399.7	2835.7	450.3	1731.2	3298.4
190	314.3	1399.3	2835.3	450.2	1730.8	202.1
191	14.1	74.6	167.4	20.8	94.9	3631.0
192	347.7	1552.4	3127.9	499.9	1917.4	3631.1
193	347.6	1552.2	3127.8	499.9	1917.1	3715.7
194	358.4	1593.0	3201.8	515.4	1966.3	8419.2
195	826.5	3584.4	7243.7	1152.0	4413.2	8421.0
196	827.6	3583.5	7242.7	1150.8	4411.9	250.7
197	33.6	112.9	221.4	38.6	130.9	8540.2
198	844.6	3642.4	7349.1	1173.6	4481.9	8657.9
199	857.7	3699.6	7452.1	1194.8	4550.2	8657.7
200	229.2	553.1	890.1	244.8	583.1	926.4

ANTIETAM CREEK WATRSHED
WEST
(continued)

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ID NO.	Q-2 (CFS)	Q-10 (CFS)	Q-100 (CFS)	Q-2 (CFS)	Q-10 (CFS)	Q-100 (CFS)
201	886.4	3747.4	7518.0	1225.2	4600.5	8725.7
202	896.4	3768.4	7543.7	1238.2	4621.9	8755.2
203	905.8	3783.8	7558.2	1249.2	4636.7	8771.8
204	905.0	3781.4	7553.0	1248.4	4633.6	8766.3
205	21.1	98.5	213.0	30.5	125.4	252.4
206	48.3	205.3	427.0	65.7	255.5	499.4
207	48.4	205.5	427.1	65.8	255.6	499.5
208	83.8	323.8	654.3	107.8	394.5	757.7
209	17.4	78.9	170.0	24.5	99.7	201.7
210	112.8	448.2	907.5	149.3	549.8	1051.9
211	1004.0	4115.9	8139.8	1382.6	5031.4	9412.0
212	1008.5	4135.7	8165.4	1391.7	5054.8	9433.9
213	39.5	172.0	368.8	53.3	215.1	436.1
214	58.0	251.6	534.4	80.0	314.4	631.1
215	1056.4	4316.4	8490.1	1460.2	5271.3	9797.2
216	1069.5	4371.8	8586.4	1479.1	5338.2	9903.9
217	1081.3	4395.2	8615.9	1496.4	5362.8	9939.1