

Exhibit A

WATER QUALITY SUMMARY STATISTICS FOR THE KINNICKINNIC RIVER WATERSHED

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
KK-1 Lyons Park Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	3235	2787	2459
		Percent compliance with single sample standard (<2,000 cells per 100 ml)	81	85	87
		Geometric mean (cells per 100 ml)	314	223	186
		Days of compliance with geometric mean standard (<1,000 cells per 100 ml)	315	349	362
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1394	1521	1496
		Percent compliance with single sample standard (<2,000 cells per 100 ml)	92	92	92
		Geometric mean (cells per 100 ml)	195	188	174
		Days of compliance with geometric mean standard (<1,000 cells per 100 ml)	153	153	153
	Dissolved Oxygen	Mean (mg/l)	6.72	6.49	6.39
		Median (mg/l)	6.30	6.06	6.05
		Percent compliance with dissolved oxygen standard (>2 mg/l)	100	100	100
	Total Phosphorus	Mean (mg/l)	0.0693	0.0594	0.0538
		Median (mg/l)	0.0355	0.031	0.0291
		Percent compliance with 0.1 mg/l standard	85	88	90
		Percent compliance with 0.075 mg/l standard	83	87	89
	Total Nitrogen	Mean (mg/l)	1.05	0.99	0.95
Median (mg/l)		1.07	1.01	0.95	
Total Suspended Solids	Mean (mg/l)	6.72	6.71	6.66	
	Median (mg/l)	3.96	3.96	3.96	
Copper	Mean (mg/l)	0.0030	0.0027	0.0024	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
KK-2 S. 43rd Street Ditch	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2338	1970	1683
		Percent compliance with single sample standard (<2,000 cells per 100 ml)	82	86	89
		Geometric mean (cells per 100 ml)	154	95	70
		Days of compliance with geometric mean standard (<1,000 cells per 100 ml)	335	357	365
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1120	1114	1023
		Percent compliance with single sample standard (<2,000 cells per 100 ml)	92	92	93
		Geometric mean (cells per 100 ml)	86	70	59
		Days of compliance with geometric mean standard (<1,000 cells per 100 ml)	153	153	153
	Dissolved Oxygen	Mean (mg/l)	9.83	9.26	8.86
		Median (mg/l)	9.78	9.15	8.42
		Percent compliance with dissolved oxygen standard (>2 mg/l)	100	100	100
	Total Phosphorus	Mean (mg/l)	0.3303	0.3506	0.3657
		Median (mg/l)	0.3179	0.3445	0.367
		Percent compliance with 0.1 mg/l standard	2	2	2
		Percent compliance with 0.075 mg/l standard	1	1	1
	Total Nitrogen	Mean (mg/l)	1.55	1.57	1.58
Median (mg/l)		1.54	1.57	1.59	
Total Suspended Solids	Mean (mg/l)	8.01	8.06	8.05	
	Median (mg/l)	3.42	3.34	3.28	
Copper	Mean (mg/l)	0.0027	0.0023	0.0020	
	Median (mg/l)	0.0006	0.0005	0.0005	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
KK-3 Kinnickinnic River Upstream of Confluence with Wilson Park Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	3059	2626	2279
		Percent compliance with single sample standard (<2,000 cells per 100 ml)	81	84	87
		Geometric mean (cells per 100 ml)	243	160	124
		Days of compliance with geometric mean standard (<1,000 cells per 100 ml)	321	351	363
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1473	1475	1354
		Percent compliance with single sample standard (<2,000 cells per 100 ml)	91	91	92
		Geometric mean (cells per 100 ml)	143	124	107
		Days of compliance with geometric mean standard (<1,000 cells per 100 ml)	153	153	153
	Dissolved Oxygen	Mean (mg/l)	9.72	9.07	8.62
		Median (mg/l)	9.23	8.48	8.00
		Percent compliance with dissolved oxygen standard (>2 mg/l)	100	100	100
	Total Phosphorus	Mean (mg/l)	0.2096	0.2291	0.2467
		Median (mg/l)	0.1858	0.2047	0.2219
		Percent compliance with 0.1 mg/l standard	17	13	11
		Percent compliance with 0.075 mg/l standard	10	8	7
	Total Nitrogen	Mean (mg/l)	1.30	1.31	1.34
		Median (mg/l)	1.28	1.29	1.32
	Total Suspended Solids	Mean (mg/l)	8.70	8.83	8.85
		Median (mg/l)	3.51	3.48	3.42
	Copper	Mean (mg/l)	0.0031	0.0027	0.0023
Median (mg/l)		0.0009	0.0008	0.0008	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
KK-4 Wilson Creek Upstream of Holmes Avenue Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2091	1913	1729
		Percent compliance with single sample standard (<400 cells per 100 ml)	58	62	64
		Geometric mean (cells per 100 ml)	330	266	215
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	126	136	170
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1024	1014	926
		Percent compliance with single sample standard (<400 cells per 100 ml)	75	76	78
		Geometric mean (cells per 100 ml)	155	133	111
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	80	93	108
	Dissolved Oxygen	Mean (mg/l)	7.60	7.51	7.41
		Median (mg/l)	7.28	7.14	7.11
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100	100	100
	Total Phosphorus	Mean (mg/l)	0.2162	0.2121	0.2284
		Median (mg/l)	0.1203	0.1251	0.1305
		Percent compliance with 0.1 mg/l standard	35	31	28
		Percent compliance with 0.075 mg/l standard	9	7	5
	Total Nitrogen	Mean (mg/l)	1.56	1.48	1.57
Median (mg/l)		0.89	0.85	0.83	
Total Suspended Solids	Mean (mg/l)	15.81	16.91	17.43	
	Median (mg/l)	5.49	5.63	5.38	
Copper	Mean (mg/l)	0.0035	0.0033	0.0030	
	Median (mg/l)	0.0017	0.0015	0.0013	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
KK-5 Holmes Avenue Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2824	2338	1970
		Percent compliance with single sample standard (<400 cells per 100 ml)	73	78	81
		Geometric mean (cells per 100 ml)	213	136	103
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	199	258	294
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1192	1181	1082
		Percent compliance with single sample standard (<400 cells per 100 ml)	85	86	87
		Geometric mean (cells per 100 ml)	120	102	88
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	111	125	137
	Dissolved Oxygen	Mean (mg/l)	9.86	9.14	8.68
		Median (mg/l)	9.80	7.86	7.47
		Percent compliance with dissolved oxygen standard (>5 mg/l)	92	94	94
	Total Phosphorus	Mean (mg/l)	0.4411	0.4849	0.5306
		Median (mg/l)	0.3888	0.4368	0.4775
		Percent compliance with 0.1 mg/l standard	2	1	1
		Percent compliance with 0.075 mg/l standard	1	1	1
	Total Nitrogen	Mean (mg/l)	2.26	2.34	2.49
		Median (mg/l)	1.93	2.08	2.19
	Total Suspended Solids	Mean (mg/l)	7.84	7.81	7.74
		Median (mg/l)	3.05	2.87	2.76
	Copper	Mean (mg/l)	0.0033	0.0027	0.0023
Median (mg/l)		0.0008	0.0007	0.0007	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
KK-6 Villa Mann Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	3041	2587	2257
		Percent compliance with single sample standard (<400 cells per 100 ml)	73	78	81
		Geometric mean (cells per 100 ml)	309	221	184
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	122	164	199
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1294	1373	1327
		Percent compliance with single sample standard (<400 cells per 100 ml)	85	86	87
		Geometric mean (cells per 100 ml)	196	190	177
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	68	79	89
	Dissolved Oxygen	Mean (mg/l)	7.44	6.91	6.64
		Median (mg/l)	6.68	6.20	6.17
		Percent compliance with dissolved oxygen standard (>5 mg/l)	71	70	69
	Total Phosphorus	Mean (mg/l)	0.0746	0.0645	0.0584
		Median (mg/l)	0.037	0.0323	0.0294
		Percent compliance with 0.1 mg/l standard	83	86	89
		Percent compliance with 0.075 mg/l standard	79	84	86
	Total Nitrogen	Mean (mg/l)	1.05	1.00	0.96
		Median (mg/l)	1.07	1.03	0.97
	Total Suspended Solids	Mean (mg/l)	7.33	7.40	7.44
Median (mg/l)		3.73	3.73	3.73	
Copper	Mean (mg/l)	0.0033	0.0029	0.0026	
	Median (mg/l)	0.0010	0.0010	0.0010	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
KK-7 Cherokee Park Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2691	2322	2047
		Percent compliance with single sample standard (<400 cells per 100 ml)	74	79	82
		Geometric mean (cells per 100 ml)	299	216	181
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	124	170	205
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1183	1272	1237
		Percent compliance with single sample standard (<400 cells per 100 ml)	86	86	87
		Geometric mean (cells per 100 ml)	195	189	176
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	69	80	90
	Dissolved Oxygen	Mean (mg/l)	7.54	6.97	6.74
		Median (mg/l)	6.81	6.32	6.29
		Percent compliance with dissolved oxygen standard (>5 mg/l)	71	70	70
	Total Phosphorus	Mean (mg/l)	0.0706	0.0618	0.057
		Median (mg/l)	0.038	0.0328	0.0309
		Percent compliance with 0.1 mg/l standard	84	87	89
		Percent compliance with 0.075 mg/l standard	80	84	86
	Total Nitrogen	Mean (mg/l)	1.03	0.99	0.97
Median (mg/l)		0.97	0.90	0.84	
Total Suspended Solids	Mean (mg/l)	6.86	6.86	6.91	
	Median (mg/l)	4.01	4.00	4.00	
Copper	Mean (mg/l)	0.0031	0.0027	0.0025	
	Median (mg/l)	0.0010	0.0010	0.0010	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
KK-8 Wilson Park Creek, USGS Gauge	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2714	2385	2106
		Percent compliance with single sample standard (<400 cells per 100 ml)	65	68	70
		Geometric mean (cells per 100 ml)	353	274	224
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	116	130	167
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1262	1256	1151
		Percent compliance with single sample standard (<400 cells per 100 ml)	80	80	82
		Geometric mean (cells per 100 ml)	172	153	130
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	74	87	104
	Dissolved Oxygen	Mean (mg/l)	10.91	10.52	10.26
		Median (mg/l)	11.18	10.64	10.28
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100	100	100
	Total Phosphorus	Mean (mg/l)	0.1906	0.1948	0.2106
		Median (mg/l)	0.1359	0.1474	0.1584
		Percent compliance with 0.1 mg/l standard	34	30	26
		Percent compliance with 0.075 mg/l standard	22	18	17
	Total Nitrogen	Mean (mg/l)	1.37	1.33	1.39
		Median (mg/l)	1.06	1.03	1.03
	Total Suspended Solids	Mean (mg/l)	11.15	11.51	11.66
Median (mg/l)		3.68	3.58	3.33	
Copper	Mean (mg/l)	0.0036	0.0033	0.0031	
	Median (mg/l)	0.0015	0.0013	0.0012	



Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
KK-9 Kinnickinnic River Downstream of Wilson Park Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2903	2548	2245
		Percent compliance with single sample standard (<2,000 cells per 100 ml)	79	83	85
		Geometric mean (cells per 100 ml)	328	247	200
		Days of compliance with geometric mean standard (<1,000 cells per 100 ml)	301	341	349
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1441	1434	1313
		Percent compliance with single sample standard (<2,000 cells per 100 ml)	90	90	91
		Geometric mean (cells per 100 ml)	163	143	122
		Days of compliance with geometric mean standard (<1,000 cells per 100 ml)	153	153	153
	Dissolved Oxygen	Mean (mg/l)	11.26	10.83	10.57
		Median (mg/l)	11.40	10.84	10.51
		Percent compliance with dissolved oxygen standard (>2 mg/l)	100	100	100
	Total Phosphorus	Mean (mg/l)	0.1928	0.2019	0.2162
		Median (mg/l)	0.1578	0.1726	0.1859
		Percent compliance with 0.1 mg/l standard	27	23	20
		Percent compliance with 0.075 mg/l standard	16	13	11
	Total Nitrogen	Mean (mg/l)	1.28	1.26	1.28
		Median (mg/l)	1.12	1.11	1.10
Total Suspended Solids	Mean (mg/l)	11.20	11.44	11.50	
	Median (mg/l)	3.76	3.62	3.42	
Copper	Mean (mg/l)	0.0039	0.0036	0.0034	
	Median (mg/l)	0.0017	0.0016	0.0016	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
KK-10 Kinnickinnic River near Upstream Limit of Estuary	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2976	2617	2309
		Percent compliance with single sample standard (<2,000 cells per 100 ml)	79	83	85
		Geometric mean (cells per 100 ml)	414	332	281
		Days of compliance with geometric mean standard (<1,000 cells per 100 ml)	297	335	346
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1495	1495	1371
		Percent compliance with single sample standard (<2,000 cells per 100 ml)	90	90	91
		Geometric mean (cells per 100 ml)	232	212	184
		Days of compliance with geometric mean standard (<1,000 cells per 100 ml)	153	153	153
	Dissolved Oxygen	Mean (mg/l)	11.37	10.96	10.72
		Median (mg/l)	11.49	10.98	10.66
		Percent compliance with dissolved oxygen standard (>2 mg/l)	100	100	100
	Total Phosphorus	Mean (mg/l)	0.1833	0.1919	0.2052
		Median (mg/l)	0.1517	0.1649	0.1780
		Percent compliance with 0.1 mg/l standard	30	26	23
		Percent compliance with 0.075 mg/l standard	18	16	14
	Total Nitrogen	Mean (mg/l)	1.25	1.22	1.24
		Median (mg/l)	1.11	1.09	1.09
	Total Suspended Solids	Mean (mg/l)	10.22	10.37	10.37
		Median (mg/l)	3.82	3.60	3.40
	Copper	Mean (mg/l)	0.0039	0.0037	0.0034
Median (mg/l)		0.0016	0.0016	0.0016	

Exhibit B

WATER QUALITY SUMMARY STATISTICS FOR THE MENOMONEE RIVER WATERSHED

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
MN-1 North Branch Menomonee River	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	602	654	686
		Percent compliance with single sample standard (<400 cells per 100 ml)	81	82	84
		Geometric mean (cells per 100 ml)	67	55	49
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	326	353	361
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	506	568	569
		Percent compliance with single sample standard (<400 cells per 100 ml)	89	88	88
		Geometric mean (cells per 100 ml)	42	41	38
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	153	153	153
	Dissolved Oxygen	Mean (mg/l)	9.93	9.49	9.14
		Median (mg/l)	10.14	9.67	9.19
		Percent compliance with dissolved oxygen standard (>5 mg/l)	93	90	88
	Total Phosphorus	Mean (mg/l)	0.0578	0.0575	0.0583
		Median (mg/l)	0.0437	0.0431	0.0429
		Percent compliance with 0.1 mg/l standard	92	92	93
		Percent compliance with 0.075 mg/l standard	89	90	90
	Total Nitrogen	Mean (mg/l)	1.59	1.63	1.67
		Median (mg/l)	1.42	1.46	1.51
	Total Suspended Solids	Mean (mg/l)	7.19	7.34	7.48
		Median (mg/l)	5.86	5.80	5.79
	Copper	Mean (mg/l)	0.0020	0.0021	0.0022
Median (mg/l)		0.0012	0.0012	0.0012	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
MN-2 Upper Menomonee River	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	763	794	810
		Percent compliance with single sample standard (<400 cells per 100 ml)	73	76	77
		Geometric mean (cells per 100 ml)	115	103	92
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	258	283	293
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	414	432	411
		Percent compliance with single sample standard (<400 cells per 100 ml)	86	86	87
		Geometric mean (cells per 100 ml)	56	53	46
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	149	149	149
	Dissolved Oxygen	Mean (mg/l)	9.60	9.21	8.93
		Median (mg/l)	9.67	8.96	8.56
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100	99	99
	Total Phosphorus	Mean (mg/l)	0.1172	0.1342	0.1512
		Median (mg/l)	0.0934	0.1073	0.1217
		Percent compliance with 0.1 mg/l standard	56	47	41
		Percent compliance with 0.075 mg/l standard	42	36	31
	Total Nitrogen	Mean (mg/l)	1.18	1.21	1.25
		Median (mg/l)	1.10	1.13	1.16
	Total Suspended Solids	Mean (mg/l)	7.61	7.93	8.09
Median (mg/l)		5.46	5.31	5.26	
Copper	Mean (mg/l)	0.0024	0.0025	0.0025	
	Median (mg/l)	0.0011	0.0011	0.0011	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
MN-3 West Branch Menomonee River	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	1074	1008	959
		Percent compliance with single sample standard (<400 cells per 100 ml)	76	80	82
		Geometric mean (cells per 100 ml)	130	103	89
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	263	307	325
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	513	557	543
		Percent compliance with single sample standard (<400 cells per 100 ml)	88	88	88
		Geometric mean (cells per 100 ml)	72	70	64
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	149	151	151
	Dissolved Oxygen	Mean (mg/l)	9.74	9.24	8.87
		Median (mg/l)	9.91	9.28	8.83
		Percent compliance with dissolved oxygen standard (>5 mg/l)	94	92	90
	Total Phosphorus	Mean (mg/l)	0.0507	0.0493	0.0485
		Median (mg/l)	0.0377	0.0362	0.0352
		Percent compliance with 0.1 mg/l standard	92	92	93
		Percent compliance with 0.075 mg/l standard	88	90	91
	Total Nitrogen	Mean (mg/l)	0.78	0.81	0.82
		Median (mg/l)	0.70	0.73	0.75
	Total Suspended Solids	Mean (mg/l)	10.30	10.51	10.62
		Median (mg/l)	7.30	7.10	7.06
	Copper	Mean (mg/l)	0.0034	0.0033	0.0032
Median (mg/l)		0.0012	0.0012	0.0012	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
MN-4 Willow Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	1098	1068	1041
		Percent compliance with single sample standard (<400 cells per 100 ml)	76	79	81
		Geometric mean (cells per 100 ml)	161	141	133
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	239	267	271
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	496	538	516
		Percent compliance with single sample standard (<400 cells per 100 ml)	87	86	86
		Geometric mean (cells per 100 ml)	94	100	97
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	141	141	137
	Dissolved Oxygen	Mean (mg/l)	8.86	8.66	8.50
		Median (mg/l)	8.93	8.80	8.52
		Percent compliance with dissolved oxygen standard (>5 mg/l)	96	94	92
	Total Phosphorus	Mean (mg/l)	0.0539	0.0521	0.0512
		Median (mg/l)	0.0312	0.0291	0.0281
		Percent compliance with 0.1 mg/l standard	89	90	91
		Percent compliance with 0.075 mg/l standard	86	88	89
	Total Nitrogen	Mean (mg/l)	1.03	1.04	1.05
		Median (mg/l)	0.94	0.91	0.92
	Total Suspended Solids	Mean (mg/l)	9.06	9.34	9.51
		Median (mg/l)	6.81	6.80	6.88
	Copper	Mean (mg/l)	0.0028	0.0028	0.0028
Median (mg/l)		0.0012	0.0012	0.0012	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
MN-5 Menomonee River at Washington-Waukesha County Line	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	1307	1295	1270
		Percent compliance with single sample standard (<400 cells per 100 ml)	66	69	72
		Geometric mean (cells per 100 ml)	206	184	159
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	187	186	203
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	578	583	535
		Percent compliance with single sample standard (<400 cells per 100 ml)	82	83	84
		Geometric mean (cells per 100 ml)	82	76	63
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	131	137	139
	Dissolved Oxygen	Mean (mg/l)	10.33	10.07	9.90
		Median (mg/l)	10.43	10.17	9.84
		Percent compliance with dissolved oxygen standard (>5 mg/l)	99	98	98
	Total Phosphorus	Mean (mg/l)	0.0882	0.0962	0.1048
		Median (mg/l)	0.0559	0.0602	0.0645
		Percent compliance with 0.1 mg/l standard	76	72	69
		Percent compliance with 0.075 mg/l standard	67	64	60
	Total Nitrogen	Mean (mg/l)	0.98	1.00	1.02
		Median (mg/l)	0.90	0.90	0.90
	Total Suspended Solids	Mean (mg/l)	10.47	11.09	11.39
Median (mg/l)		5.98	5.85	5.87	
Copper	Mean (mg/l)	0.0041	0.0042	0.0043	
	Median (mg/l)	0.0018	0.0017	0.0017	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
MN-6 Nor-X-Way Channel	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	1915	1794	1688
		Percent compliance with single sample standard (<400 cells per 100 ml)	70	74	77
		Geometric mean (cells per 100 ml)	149	111	90
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	236	265	292
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	807	839	790
		Percent compliance with single sample standard (<400 cells per 100 ml)	83	83	84
		Geometric mean (cells per 100 ml)	62	56	47
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	142	146	147
	Dissolved Oxygen	Mean (mg/l)	10.33	9.80	9.51
		Median (mg/l)	10.37	9.64	9.35
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100	100	100
	Total Phosphorus	Mean (mg/l)	0.1452	0.1667	0.1879
		Median (mg/l)	0.1084	0.1254	0.1404
		Percent compliance with 0.1 mg/l standard	49	43	38
		Percent compliance with 0.075 mg/l standard	33	29	26
	Total Nitrogen	Mean (mg/l)	0.86	0.86	0.86
		Median (mg/l)	0.77	0.75	0.74
	Total Suspended Solids	Mean (mg/l)	11.71	12.08	12.19
Median (mg/l)		3.26	3.10	2.95	
Copper	Mean (mg/l)	0.0034	0.0032	0.0031	
	Median (mg/l)	0.0008	0.0008	0.0008	



Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
MN-7 Lilly Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	1077	1020	967
		Percent compliance with single sample standard (<400 cells per 100 ml)	70	74	77
		Geometric mean (cells per 100 ml)	202	170	154
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	196	220	247
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	490	521	495
		Percent compliance with single sample standard (<400 cells per 100 ml)	84	84	85
		Geometric mean (cells per 100 ml)	131	132	126
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	111	114	120
	Dissolved Oxygen	Mean (mg/l)	9.54	9.13	8.82
		Median (mg/l)	9.69	9.19	8.84
		Percent compliance with dissolved oxygen standard (>5 mg/l)	95	93	91
	Total Phosphorus	Mean (mg/l)	0.0751	0.0736	0.0726
		Median (mg/l)	0.0436	0.0427	0.0423
		Percent compliance with 0.1 mg/l standard	82	84	85
		Percent compliance with 0.075 mg/l standard	78	80	82
	Total Nitrogen	Mean (mg/l)	0.94	0.94	0.94
		Median (mg/l)	0.87	0.85	0.83
	Total Suspended Solids	Mean (mg/l)	13.76	14.34	14.38
		Median (mg/l)	5.32	5.22	5.20
	Copper	Mean (mg/l)	0.0035	0.0034	0.0034
Median (mg/l)		0.0009	0.0009	0.0009	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
MN-8 Butler Ditch	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	1257	1109	1039
		Percent compliance with single sample standard (<400 cells per 100 ml)	67	73	76
		Geometric mean (cells per 100 ml)	247	182	160
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	170	205	235
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	613	615	596
		Percent compliance with single sample standard (<400 cells per 100 ml)	83	84	85
		Geometric mean (cells per 100 ml)	142	137	129
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	104	109	115
	Dissolved Oxygen	Mean (mg/l)	9.97	9.34	8.94
		Median (mg/l)	9.89	9.09	8.68
		Percent compliance with dissolved oxygen standard (>5 mg/l)	94	91	89
	Total Phosphorus	Mean (mg/l)	0.0805	0.0745	0.0721
		Median (mg/l)	0.0459	0.043	0.0425
		Percent compliance with 0.1 mg/l standard	80	84	86
		Percent compliance with 0.075 mg/l standard	75	80	82
	Total Nitrogen	Mean (mg/l)	1.01	0.99	0.99
		Median (mg/l)	0.97	0.92	0.89
	Total Suspended Solids	Mean (mg/l)	12.54	13.23	13.43
		Median (mg/l)	5.64	5.61	5.59
	Copper	Mean (mg/l)	0.0035	0.0032	0.0031
Median (mg/l)		0.0011	0.0010	0.0010	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
MN-9 Menomonee River Downstream of Butler Ditch	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	1626	1567	1509
		Percent compliance with single sample standard (<400 cells per 100 ml)	64	67	70
		Geometric mean (cells per 100 ml)	275	240	216
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	160	156	172
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	679	682	625
		Percent compliance with single sample standard (<400 cells per 100 ml)	80	81	82
		Geometric mean (cells per 100 ml)	112	110	98
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	119	121	128
	Dissolved Oxygen	Mean (mg/l)	10.75	10.47	10.36
		Median (mg/l)	10.82	10.49	10.29
		Percent compliance with dissolved oxygen standard (>5 mg/l)	99	99	99
	Total Phosphorus	Mean (mg/l)	0.0861	0.0926	0.0998
		Median (mg/l)	0.0494	0.0522	0.0570
		Percent compliance with 0.1 mg/l standard	75	73	70
		Percent compliance with 0.075 mg/l standard	68	66	63
	Total Nitrogen	Mean (mg/l)	0.85	0.86	0.85
		Median (mg/l)	0.79	0.76	0.74
	Total Suspended Solids	Mean (mg/l)	13.31	13.91	14.03
Median (mg/l)		5.24	5.04	4.90	
Copper	Mean (mg/l)	0.0043	0.0044	0.0044	
	Median (mg/l)	0.0016	0.0015	0.0015	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
MN-10 Little Menomonee Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	3599	3737	3803
		Percent compliance with single sample standard (<400 cells per 100 ml)	59	63	66
		Geometric mean (cells per 100 ml)	265	210	181
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	156	162	189
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	2643	2702	2548
		Percent compliance with single sample standard (<400 cells per 100 ml)	75	75	77
		Geometric mean (cells per 100 ml)	98	95	80
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	106	107	119
	Dissolved Oxygen	Mean (mg/l)	8.99	9.01	8.99
		Median (mg/l)	8.95	9.06	8.93
		Percent compliance with dissolved oxygen standard (>5 mg/l)	98	98	97
	Total Phosphorus	Mean (mg/l)	0.0716	0.0704	0.0715
		Median (mg/l)	0.0515	0.05	0.05
		Percent compliance with 0.1 mg/l standard	85	85	85
		Percent compliance with 0.075 mg/l standard	78	79	80
	Total Nitrogen	Mean (mg/l)	1.35	1.35	1.36
Median (mg/l)		1.22	1.23	1.23	
Total Suspended Solids	Mean (mg/l)	19.92	19.55	19.87	
	Median (mg/l)	10.05	8.85	8.24	
Copper	Mean (mg/l)	0.0024	0.0025	0.0026	
	Median (mg/l)	0.0012	0.0012	0.0012	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
MN-11 Little Menomonee River	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	5453	5251	5100
		Percent compliance with single sample standard (<400 cells per 100 ml)	54	59	61
		Geometric mean (cells per 100 ml)	533	408	335
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	90	98	117
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	2438	2512	2353
		Percent compliance with single sample standard (<400 cells per 100 ml)	72	72	75
		Geometric mean (cells per 100 ml)	168	154	123
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	68	72	85
	Dissolved Oxygen	Mean (mg/l)	10.49	9.99	9.65
		Median (mg/l)	10.72	10.03	9.65
		Percent compliance with dissolved oxygen standard (>5 mg/l)	98	97	96
	Total Phosphorus	Mean (mg/l)	0.0949	0.1036	0.1157
		Median (mg/l)	0.0623	0.0677	0.076
		Percent compliance with 0.1 mg/l standard	73	70	66
		Percent compliance with 0.075 mg/l standard	62	59	54
	Total Nitrogen	Mean (mg/l)	0.93	0.97	1.02
Median (mg/l)		0.87	0.88	0.92	
Total Suspended Solids	Mean (mg/l)	10.67	11.00	11.15	
	Median (mg/l)	3.48	3.34	3.35	
Copper	Mean (mg/l)	0.0038	0.0037	0.0037	
	Median (mg/l)	0.0014	0.0012	0.0011	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
MN-12 Menomonee River Downstream of Little Menomonee River	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2710	2536	2465
		Percent compliance with single sample standard (<400 cells per 100 ml)	57	62	65
		Geometric mean (cells per 100 ml)	447	371	329
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	94	94	115
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	999	1037	961
		Percent compliance with single sample standard (<400 cells per 100 ml)	75	76	78
		Geometric mean (cells per 100 ml)	166	159	137
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	74	76	92
	Dissolved Oxygen	Mean (mg/l)	10.67	10.33	10.18
		Median (mg/l)	10.80	10.39	10.16
		Percent compliance with dissolved oxygen standard (>5 mg/l)	99	99	98
	Total Phosphorus	Mean (mg/l)	0.0867	0.0942	0.1030
		Median (mg/l)	0.0505	0.0534	0.0593
		Percent compliance with 0.1 mg/l standard	74	72	69
		Percent compliance with 0.075 mg/l standard	67	65	62
	Total Nitrogen	Mean (mg/l)	0.83	0.84	0.85
		Median (mg/l)	0.77	0.76	0.78
	Total Suspended Solids	Mean (mg/l)	11.21	11.66	11.85
Median (mg/l)		4.36	4.12	4.01	
Copper	Mean (mg/l)	0.0043	0.0044	0.0043	
	Median (mg/l)	0.0016	0.0015	0.0014	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
MN-13 Underwood Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	4904	4254	3958
		Percent compliance with single sample standard (<400 cells per 100 ml)	61	70	73
		Geometric mean (cells per 100 ml)	477	317	265
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	105	133	147
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	2045	1903	1780
		Percent compliance with single sample standard (<400 cells per 100 ml)	80	82	83
		Geometric mean (cells per 100 ml)	205	185	170
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	63	75	83
	Dissolved Oxygen	Mean (mg/l)	10.25	9.47	8.99
		Median (mg/l)	10.19	9.08	8.62
		Percent compliance with dissolved oxygen standard (>5 mg/l)	96	93	91
	Total Phosphorus	Mean (mg/l)	0.0834	0.0773	0.075
		Median (mg/l)	0.0566	0.0512	0.0503
		Percent compliance with 0.1 mg/l standard	79	82	84
		Percent compliance with 0.075 mg/l standard	70	75	78
	Total Nitrogen	Mean (mg/l)	1.02	1.00	1.00
Median (mg/l)		0.99	0.94	0.91	
Total Suspended Solids	Mean (mg/l)	13.14	13.69	13.74	
	Median (mg/l)	5.60	5.56	5.52	
Copper	Mean (mg/l)	0.0038	0.0035	0.0034	
	Median (mg/l)	0.0010	0.0010	0.0010	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
MN-14 Underwood Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	4375	3555	3180
		Percent compliance with single sample standard (<2,000 cells per 100 ml)	72	79	82
		Geometric mean (cells per 100 ml)	421	273	228
		Days of compliance with geometric mean standard (<1,000 cells per 100 ml)	268	314	332
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1209	1111	1034
		Percent compliance with single sample standard (<2,000 cells per 100 ml)	89	90	91
		Geometric mean (cells per 100 ml)	174	158	147
		Days of compliance with geometric mean standard (<1,000 cells per 100 ml)	153	153	153
	Dissolved Oxygen	Mean (mg/l)	11.11	10.61	10.18
		Median (mg/l)	11.23	10.61	9.96
		Percent compliance with dissolved oxygen standard (>2 mg/l)	100	100	100
	Total Phosphorus	Mean (mg/l)	0.084	0.0782	0.0769
		Median (mg/l)	0.0567	0.0535	0.0528
		Percent compliance with 0.1 mg/l standard	79	83	84
		Percent compliance with 0.075 mg/l standard	70	75	76
	Total Nitrogen	Mean (mg/l)	1.00	0.98	0.97
		Median (mg/l)	0.98	0.92	0.87
	Total Suspended Solids	Mean (mg/l)	13.00	13.39	13.38
		Median (mg/l)	5.82	5.71	5.67
	Copper	Mean (mg/l)	0.0038	0.0034	0.0032
Median (mg/l)		0.0010	0.0010	0.0010	



Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
MN-15 Menomonee Mainstem	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	3404	3098	2938
		Percent compliance with single sample standard (<400 cells per 100 ml)	54	61	65
		Geometric mean (cells per 100 ml)	557	436	381
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	76	82	99
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1250	1233	1140
		Percent compliance with single sample standard (<400 cells per 100 ml)	75	76	78
		Geometric mean (cells per 100 ml)	201	189	166
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	58	65	79
	Dissolved Oxygen	Mean (mg/l)	10.80	10.49	10.32
		Median (mg/l)	10.88	10.49	10.26
		Percent compliance with dissolved oxygen standard (>5 mg/l)	99	99	99
	Total Phosphorus	Mean (mg/l)	0.0907	0.0944	0.0995
		Median (mg/l)	0.0561	0.0573	0.0613
		Percent compliance with 0.1 mg/l standard	73	72	70
		Percent compliance with 0.075 mg/l standard	65	64	62
	Total Nitrogen	Mean (mg/l)	0.90	0.89	0.89
		Median (mg/l)	0.84	0.80	0.80
	Total Suspended Solids	Mean (mg/l)	12.07	12.57	12.66
Median (mg/l)		4.57	4.30	4.13	
Copper	Mean (mg/l)	0.0046	0.0045	0.0045	
	Median (mg/l)	0.0017	0.0015	0.0013	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
MN-16 Honey Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	5033	4107	3627
		Percent compliance with single sample standard (<2,000 cells per 100 ml)	73	79	82
		Geometric mean (cells per 100 ml)	403	244	195
		Days of compliance with geometric mean standard (<1,000 cells per 100 ml)	270	322	339
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1743	1636	1524
		Percent compliance with single sample standard (<2,000 cells per 100 ml)	89	89	90
		Geometric mean (cells per 100 ml)	170	149	132
		Days of compliance with geometric mean standard (<1,000 cells per 100 ml)	153	153	153
	Dissolved Oxygen	Mean (mg/l)	11.09	10.62	10.38
		Median (mg/l)	10.92	10.28	10.03
		Percent compliance with dissolved oxygen standard (>2 mg/l)	98	96	94
	Total Phosphorus	Mean (mg/l)	0.1103	0.1083	0.1109
		Median (mg/l)	0.0818	0.0814	0.0875
		Percent compliance with 0.1 mg/l standard	65	65	61
		Percent compliance with 0.075 mg/l standard	50	48	45
	Total Nitrogen	Mean (mg/l)	1.19	1.16	1.16
		Median (mg/l)	1.14	1.09	1.09
	Total Suspended Solids	Mean (mg/l)	11.72	11.90	11.85
		Median (mg/l)	5.81	5.47	5.19
	Copper	Mean (mg/l)	0.0039	0.0035	0.0033
Median (mg/l)		0.0015	0.0014	0.0015	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
MN-17 Menomonee River Downstream of Honey Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	3744	3382	3186
		Percent compliance with single sample standard (<2,000 cells per 100 ml)	70	75	78
		Geometric mean (cells per 100 ml)	570	434	375
		Days of compliance with geometric mean standard (<1,000 cells per 100 ml)	241	284	302
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1457	1422	1317
		Percent compliance with single sample standard (<2,000 cells per 100 ml)	88	89	90
		Geometric mean (cells per 100 ml)	203	188	165
		Days of compliance with geometric mean standard (<1,000 cells per 100 ml)	152	152	152
	Dissolved Oxygen	Mean (mg/l)	10.88	10.56	10.40
		Median (mg/l)	10.94	10.57	10.32
		Percent compliance with dissolved oxygen standard (>2 mg/l)	100	100	100
	Total Phosphorus	Mean (mg/l)	0.0992	0.1038	0.1101
		Median (mg/l)	0.0656	0.0691	0.0742
		Percent compliance with 0.1 mg/l standard	69	68	66
		Percent compliance with 0.075 mg/l standard	60	58	54
	Total Nitrogen	Mean (mg/l)	0.92	0.92	0.92
		Median (mg/l)	0.86	0.83	0.83
	Total Suspended Solids	Mean (mg/l)	12.57	13.09	13.16
Median (mg/l)		4.78	4.53	4.42	
Copper	Mean (mg/l)	0.0046	0.0045	0.0045	
	Median (mg/l)	0.0017	0.0014	0.0013	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
MN-18 Menomonee River near Upstream Limit of Estuary	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	3810	3436	3226
		Percent compliance with single sample standard (<2,000 cells per 100 ml)	70	75	78
		Geometric mean (cells per 100 ml)	556	417	355
		Days of compliance with geometric mean standard (<1,000 cells per 100 ml)	242	285	305
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1525	1471	1363
		Percent compliance with single sample standard (<2,000 cells per 100 ml)	88	89	90
		Geometric mean (cells per 100 ml)	194	177	153
		Days of compliance with geometric mean standard (<1,000 cells per 100 ml)	152	152	152
	Dissolved Oxygen	Mean (mg/l)	10.86	10.55	10.38
		Median (mg/l)	10.89	10.53	10.29
		Percent compliance with dissolved oxygen standard (>2 mg/l)	100	100	100
	Total Phosphorus	Mean (mg/l)	0.1200	0.1292	0.1396
		Median (mg/l)	0.0898	0.0982	0.1073
		Percent compliance with 0.1 mg/l standard	59	54	49
		Percent compliance with 0.075 mg/l standard	41	37	33
	Total Nitrogen	Mean (mg/l)	1.04	1.07	1.10
		Median (mg/l)	0.99	1.01	1.05
	Total Suspended Solids	Mean (mg/l)	12.70	13.18	13.20
Median (mg/l)		4.70	4.39	4.19	
Copper	Mean (mg/l)	0.0045	0.0044	0.0043	
	Median (mg/l)	0.0017	0.0014	0.0013	

Exhibit C

WATER QUALITY SUMMARY STATISTICS FOR THE MILWAUKEE RIVER WATERSHED

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-1 Kettle Moraine Lake	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	971	1,095	1,162
		Percent compliance with single sample standard (<400 cells per 100 ml)	69%	71%	72%
		Geometric mean (cells per 100 ml)	149	133	116
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	173	182	191
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	735	801	775
		Percent compliance with single sample standard (<400 cells per 100 ml)	86%	87%	87%
		Geometric mean (cells per 100 ml)	52	44	37
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	107	110	113
	Dissolved Oxygen	Mean (mg/l)	11.1	10.9	10.8
		Median (mg/l)	11.2	11.0	10.8
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100%	100%	100%
	Total Phosphorus	Mean (mg/l)	0.098	0.101	0.109
		Median (mg/l)	0.082	0.083	0.090
		Percent compliance with 0.1 mg/l standard	71%	66%	61%
		Percent compliance with 0.075 mg/l standard	40%	37%	24%
	Total Nitrogen	Mean (mg/l)	0.98	0.97	0.99
		Median (mg/l)	1.01	1.00	1.02
	Total Suspended Solids	Mean (mg/l)	32.3	27.0	29.3
		Median (mg/l)	20.1	16.6	18.0
	Copper	Mean (mg/l)	0.0024	0.0027	0.0029
Median (mg/l)		0.0021	0.0023	0.0025	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-2 Auburn Lake Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	3,079	3,493	3,747
		Percent compliance with single sample standard (<400 cells per 100 ml)	68%	70%	70%
		Geometric mean (cells per 100 ml)	290	281	282
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	190	197	201
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	2,309	2,460	2,327
		Percent compliance with single sample standard (<400 cells per 100 ml)	81%	80%	82%
		Geometric mean (cells per 100 ml)	189	188	171
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	101	101	105
	Dissolved Oxygen	Mean (mg/l)	10.6	10.5	10.4
		Median (mg/l)	10.5	10.5	10.4
		Percent compliance with dissolved oxygen standard (>6 mg/l, >7 mg/l October-December)	99%	98%	97%
	Total Phosphorus	Mean (mg/l)	0.057	0.058	0.062
		Median (mg/l)	0.009	0.009	0.009
		Percent compliance with 0.1 mg/l standard	85%	84%	84%
		Percent compliance with 0.075 mg/l standard	82%	82%	81%
	Total Nitrogen	Mean (mg/l)	0.87	0.89	0.91
		Median (mg/l)	0.83	0.86	0.87
	Total Suspended Solids	Mean (mg/l)	12.6	9.5	8.9
Median (mg/l)		6.3	5.7	5.4	
Copper	Mean (mg/l)	0.0023	0.0025	0.0026	
	Median (mg/l)	0.0011	0.0011	0.0011	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-3 Lake Fifteen Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	1,563	1,758	1,871
		Percent compliance with single sample standard (<400 cells per 100 ml)	74%	76%	77%
		Geometric mean (cells per 100 ml)	228	216	205
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	197	205	212
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1,164	1,249	1,191
		Percent compliance with single sample standard (<400 cells per 100 ml)	86%	86%	87%
		Geometric mean (cells per 100 ml)	129	127	115
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	108	109	113
	Dissolved Oxygen	Mean (mg/l)	10.8	10.6	10.5
		Median (mg/l)	10.8	10.7	10.5
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100%	100%	100%
	Total Phosphorus	Mean (mg/l)	0.112	0.114	0.124
		Median (mg/l)	0.087	0.087	0.096
		Percent compliance with 0.1 mg/l standard	68%	69%	57%
		Percent compliance with 0.075 mg/l standard	26%	21%	9%
	Total Nitrogen	Mean (mg/l)	1.35	1.37	1.42
		Median (mg/l)	1.32	1.32	1.37
	Total Suspended Solids	Mean (mg/l)	33.5	28.5	31.3
Median (mg/l)		20.8	18.7	21.5	
Copper	Mean (mg/l)	0.0030	0.0034	0.0035	
	Median (mg/l)	0.0024	0.0026	0.0027	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-4 West Branch of the Milwaukee River	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	1,779	1,979	2,106
		Percent compliance with single sample standard (<400 cells per 100 ml)	61%	62%	62%
		Geometric mean (cells per 100 ml)	443	425	416
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	129	139	142
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1,355	1,399	1,314
		Percent compliance with single sample standard (<400 cells per 100 ml)	77%	77%	79%
		Geometric mean (cells per 100 ml)	264	240	208
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	83	85	91
	Dissolved Oxygen	Mean (mg/l)	11.1	10.9	10.8
		Median (mg/l)	11.1	10.9	10.7
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100%	100%	100%
	Total Phosphorus	Mean (mg/l)	0.080	0.077	0.081
		Median (mg/l)	0.017	0.016	0.017
		Percent compliance with 0.1 mg/l standard	79%	79%	78%
		Percent compliance with 0.075 mg/l standard	74%	75%	74%
	Total Nitrogen	Mean (mg/l)	2.46	2.46	2.48
		Median (mg/l)	2.40	2.38	2.38
	Total Suspended Solids	Mean (mg/l)	73.2	50.4	47.5
		Median (mg/l)	7.6	7.5	7.2
	Copper	Mean (mg/l)	0.0025	0.0028	0.0031
Median (mg/l)		0.0014	0.0014	0.0014	



Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-5 Kewaskum, USGS Sampling Location (4086149)	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	1,065	1,147	1,185
		Percent compliance with single sample standard (<400 cells per 100 ml)	59%	60%	61%
		Geometric mean (cells per 100 ml)	309	289	269
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	148	153	158
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	681	679	625
		Percent compliance with single sample standard (<400 cells per 100 ml)	78%	79%	81%
		Geometric mean (cells per 100 ml)	137	117	98
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	95	98	103
	Dissolved Oxygen	Mean (mg/l)	10.9	10.7	10.5
		Median (mg/l)	11.0	10.8	10.6
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100%	100%	100%
	Total Phosphorus	Mean (mg/l)	0.086	0.085	0.091
		Median (mg/l)	0.052	0.055	0.060
		Percent compliance with 0.1 mg/l standard	77%	77%	73%
		Percent compliance with 0.075 mg/l standard	68%	65%	62%
	Total Nitrogen	Mean (mg/l)	1.87	1.87	1.89
		Median (mg/l)	1.85	1.84	1.86
	Total Suspended Solids	Mean (mg/l)	58.2	42.1	41.0
		Median (mg/l)	14.5	11.6	11.3
	Copper	Mean (mg/l)	0.0026	0.0029	0.0032
Median (mg/l)		0.0021	0.0023	0.0025	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-7 Upper Milwaukee River	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	1,747	1,910	2,019
		Percent compliance with single sample standard (<400 cells per 100 ml)	69%	71%	71%
		Geometric mean (cells per 100 ml)	337	308	292
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	175	189	197
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1,273	1,324	1,242
		Percent compliance with single sample standard (<400 cells per 100 ml)	80%	80%	81%
		Geometric mean (cells per 100 ml)	232	210	184
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	88	93	98
	Dissolved Oxygen	Mean (mg/l)	10.9	10.6	10.4
		Median (mg/l)	11.0	10.8	10.6
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100%	99%	97%
	Total Phosphorus	Mean (mg/l)	0.075	0.072	0.074
		Median (mg/l)	0.010	0.010	0.010
		Percent compliance with 0.1 mg/l standard	81%	82%	82%
		Percent compliance with 0.075 mg/l standard	78%	79%	80%
	Total Nitrogen	Mean (mg/l)	2.23	2.23	2.24
Median (mg/l)		2.18	2.15	2.15	
Total Suspended Solids	Mean (mg/l)	56.8	39.4	35.8	
	Median (mg/l)	7.8	7.5	7.1	
Copper	Mean (mg/l)	0.0025	0.0027	0.0029	
	Median (mg/l)	0.0013	0.0013	0.0013	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-8 Watercress Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	911	964	985
		Percent compliance with single sample standard (<400 cells per 100 ml)	59%	60%	61%
		Geometric mean (cells per 100 ml)	293	271	250
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	148	151	161
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	542	519	471
		Percent compliance with single sample standard (<400 cells per 100 ml)	78%	79%	81%
		Geometric mean (cells per 100 ml)	124	104	86
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	95	98	103
	Dissolved Oxygen	Mean (mg/l)	11.0	10.8	10.7
		Median (mg/l)	10.9	10.8	10.6
		Percent compliance with dissolved oxygen standard (>6 mg/l, >7 mg/l October-December)	100%	100%	100%
	Total Phosphorus	Mean (mg/l)	0.086	0.085	0.090
		Median (mg/l)	0.049	0.052	0.056
		Percent compliance with 0.1 mg/l standard	76%	75%	73%
		Percent compliance with 0.075 mg/l standard	67%	65%	63%
	Total Nitrogen	Mean (mg/l)	1.84	1.82	1.82
		Median (mg/l)	1.78	1.75	1.76
	Total Suspended Solids	Mean (mg/l)	58.3	42.1	40.8
Median (mg/l)		13.5	10.8	10.2	
Copper	Mean (mg/l)	0.0030	0.0034	0.0038	
	Median (mg/l)	0.0023	0.0027	0.0029	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-9 Watercress Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2,265	2,572	2,780
		Percent compliance with single sample standard (<400 cells per 100 ml)	58%	57%	55%
		Geometric mean (cells per 100 ml)	448	465	493
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	92	93	85
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1,863	2,051	2,012
		Percent compliance with single sample standard (<400 cells per 100 ml)	70%	67%	65%
		Geometric mean (cells per 100 ml)	351	377	373
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	41	38	38
	Dissolved Oxygen	Mean (mg/l)	10.6	10.6	10.6
		Median (mg/l)	10.5	10.6	10.4
		Percent compliance with dissolved oxygen standard (>5 mg/l)	99%	99%	98%
	Total Phosphorus	Mean (mg/l)	0.039	0.039	0.041
		Median (mg/l)	0.010	0.010	0.010
		Percent compliance with 0.1 mg/l standard	91%	91%	91%
		Percent compliance with 0.075 mg/l standard	89%	89%	89%
	Total Nitrogen	Mean (mg/l)	0.95	0.96	0.97
		Median (mg/l)	0.92	0.93	0.93
	Total Suspended Solids	Mean (mg/l)	16.7	11.5	10.4
Median (mg/l)		5.3	5.0	4.7	
Copper	Mean (mg/l)	0.0018	0.0019	0.0020	
	Median (mg/l)	0.0010	0.0010	0.0010	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-10 East Branch Milwaukee River, USGS Sampling Location (4086200)	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	220	249	266
		Percent compliance with single sample standard (<400 cells per 100 ml)	93%	93%	94%
		Geometric mean (cells per 100 ml)	24	20	17
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	245	257	265
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	188	208	207
		Percent compliance with single sample standard (<400 cells per 100 ml)	96%	96%	96%
		Geometric mean (cells per 100 ml)	8	7	6
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	120	123	125
	Dissolved Oxygen	Mean (mg/l)	11.3	11.1	10.9
		Median (mg/l)	11.4	11.0	10.8
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100%	100%	100%
	Total Phosphorus	Mean (mg/l)	0.112	0.112	0.123
		Median (mg/l)	0.107	0.111	0.123
		Percent compliance with 0.1 mg/l standard	19%	18%	3%
		Percent compliance with 0.075 mg/l standard	%	%	%
	Total Nitrogen	Mean (mg/l)	1.04	1.01	1.07
		Median (mg/l)	1.02	1.00	1.05
	Total Suspended Solids	Mean (mg/l)	59.8	58.6	69.5
		Median (mg/l)	57.8	53.0	65.9
	Copper	Mean (mg/l)	0.0024	0.0026	0.0027
Median (mg/l)		0.0024	0.0026	0.0026	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-11 East Branch of the Milwaukee River	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	806	945	1,057
		Percent compliance with single sample standard (<400 cells per 100 ml)	58%	58%	58%
		Geometric mean (cells per 100 ml)	310	320	333
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	114	115	114
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	600	665	666
		Percent compliance with single sample standard (<400 cells per 100 ml)	83%	82%	82%
		Geometric mean (cells per 100 ml)	158	158	153
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	79	79	80
	Dissolved Oxygen	Mean (mg/l)	11.2	11.0	10.9
		Median (mg/l)	11.3	11.0	10.8
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100%	100%	100%
	Total Phosphorus	Mean (mg/l)	0.104	0.107	0.118
		Median (mg/l)	0.093	0.095	0.104
		Percent compliance with 0.1 mg/l standard	64%	59%	40%
		Percent compliance with 0.075 mg/l standard	16%	9%	5%
	Total Nitrogen	Mean (mg/l)	1.00	0.99	1.04
		Median (mg/l)	1.01	1.01	1.05
	Total Suspended Solids	Mean (mg/l)	41.9	39.7	46.5
Median (mg/l)		36.1	34.3	41.0	
Copper	Mean (mg/l)	0.0025	0.0028	0.0030	
	Median (mg/l)	0.0023	0.0025	0.0027	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-14 Middle Milwaukee River	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	615	703	774
		Percent compliance with single sample standard (<400 cells per 100 ml)	62%	62%	62%
		Geometric mean (cells per 100 ml)	237	235	235
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	139	143	147
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	345	361	341
		Percent compliance with single sample standard (<400 cells per 100 ml)	84%	85%	86%
		Geometric mean (cells per 100 ml)	98	90	81
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	99	100	104
	Dissolved Oxygen	Mean (mg/l)	11.1	10.9	10.7
		Median (mg/l)	11.3	10.9	10.7
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100%	100%	100%
	Total Phosphorus	Mean (mg/l)	0.103	0.106	0.117
		Median (mg/l)	0.088	0.090	0.099
		Percent compliance with 0.1 mg/l standard	70%	64%	52%
		Percent compliance with 0.075 mg/l standard	24%	16%	8%
	Total Nitrogen	Mean (mg/l)	1.01	1.01	1.06
Median (mg/l)		1.02	1.02	1.07	
Total Suspended Solids	Mean (mg/l)	41.0	38.4	44.7	
	Median (mg/l)	34.0	32.1	38.1	
Copper	Mean (mg/l)	0.0026	0.0029	0.0031	
	Median (mg/l)	0.0023	0.0025	0.0026	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-15 North Branch of the Milwaukee River	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	1,169	1,131	1,067
		Percent compliance with single sample standard (<400 cells per 100 ml)	49%	52%	54%
		Geometric mean (cells per 100 ml)	215	172	135
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	133	139	151
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	502	457	409
		Percent compliance with single sample standard (<400 cells per 100 ml)	75%	78%	81%
		Geometric mean (cells per 100 ml)	41	28	19
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	92	96	101
	Dissolved Oxygen	Mean (mg/l)	9.5	9.0	8.6
		Median (mg/l)	10.4	10.1	9.9
		Percent compliance with dissolved oxygen standard (>6 mg/l, >7 mg/l October-December)	91%	87%	84%
	Total Phosphorus	Mean (mg/l)	0.150	0.166	0.180
		Median (mg/l)	0.121	0.133	0.145
		Percent compliance with 0.1 mg/l standard	41%	33%	28%
		Percent compliance with 0.075 mg/l standard	25%	20%	17%
	Total Nitrogen	Mean (mg/l)	0.99	1.01	1.03
		Median (mg/l)	1.01	1.03	1.04
	Total Suspended Solids	Mean (mg/l)	10.7	8.3	7.9
Median (mg/l)		6.2	5.3	4.6	
Copper	Mean (mg/l)	0.0055	0.0062	0.0067	
	Median (mg/l)	0.0045	0.0050	0.0054	



Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-16 Chambers Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	581	587	566
		Percent compliance with single sample standard (<400 cells per 100 ml)	59%	62%	63%
		Geometric mean (cells per 100 ml)	159	136	118
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	150	157	168
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	371	354	324
		Percent compliance with single sample standard (<400 cells per 100 ml)	81%	84%	86%
		Geometric mean (cells per 100 ml)	43	32	26
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	98	103	107
	Dissolved Oxygen	Mean (mg/l)	11.3	11.0	10.9
		Median (mg/l)	11.2	10.9	10.7
		Percent compliance with dissolved oxygen standard (>6 mg/l, >7 mg/l October-December)	100%	100%	100%
	Total Phosphorus	Mean (mg/l)	0.099	0.098	0.104
		Median (mg/l)	0.072	0.076	0.080
		Percent compliance with 0.1 mg/l standard	67%	64%	62%
		Percent compliance with 0.075 mg/l standard	52%	49%	46%
	Total Nitrogen	Mean (mg/l)	1.46	1.42	1.41
		Median (mg/l)	1.39	1.35	1.32
	Total Suspended Solids	Mean (mg/l)	51.4	39.1	39.8
Median (mg/l)		18.9	14.7	14.5	
Copper	Mean (mg/l)	0.0049	0.0058	0.0065	
	Median (mg/l)	0.0041	0.0047	0.0053	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-17 Melius Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	597	596	574
		Percent compliance with single sample standard (<400 cells per 100 ml)	57%	59%	61%
		Geometric mean (cells per 100 ml)	161	136	116
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	146	152	161
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	319	288	255
		Percent compliance with single sample standard (<400 cells per 100 ml)	80%	83%	85%
		Geometric mean (cells per 100 ml)	36	25	18
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	98	102	107
	Dissolved Oxygen	Mean (mg/l)	11.2	10.9	10.6
		Median (mg/l)	11.5	11.3	11.0
		Percent compliance with dissolved oxygen standard (>6 mg/l, >7 mg/l October-December)	100%	99%	99%
	Total Phosphorus	Mean (mg/l)	0.100	0.101	0.107
		Median (mg/l)	0.077	0.082	0.086
		Percent compliance with 0.1 mg/l standard	64%	61%	58%
		Percent compliance with 0.075 mg/l standard	49%	46%	42%
	Total Nitrogen	Mean (mg/l)	1.51	1.47	1.46
		Median (mg/l)	1.45	1.41	1.38
	Total Suspended Solids	Mean (mg/l)	54.5	41.4	42.1
		Median (mg/l)	19.3	14.8	14.5
	Copper	Mean (mg/l)	0.0048	0.0056	0.0062
Median (mg/l)		0.0040	0.0046	0.0051	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-18 Batavia Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2,266	2,535	2,738
		Percent compliance with single sample standard (<400 cells per 100 ml)	59%	59%	57%
		Geometric mean (cells per 100 ml)	419	428	449
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	132	129	126
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1,585	1,698	1,621
		Percent compliance with single sample standard (<400 cells per 100 ml)	82%	82%	83%
		Geometric mean (cells per 100 ml)	206	207	197
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	94	93	94
	Dissolved Oxygen	Mean (mg/l)	10.5	10.5	10.4
		Median (mg/l)	10.4	10.3	10.2
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100%	99%	99%
	Total Phosphorus	Mean (mg/l)	0.052	0.050	0.052
		Median (mg/l)	0.007	0.006	0.006
		Percent compliance with 0.1 mg/l standard	87%	87%	87%
		Percent compliance with 0.075 mg/l standard	84%	84%	85%
	Total Nitrogen	Mean (mg/l)	1.12	1.11	1.10
		Median (mg/l)	1.09	1.07	1.07
	Total Suspended Solids	Mean (mg/l)	27.3	18.3	16.8
Median (mg/l)		4.5	4.1	3.7	
Copper	Mean (mg/l)	0.0026	0.0029	0.0032	
	Median (mg/l)	0.0014	0.0016	0.0017	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-20 Silver Creek (Sheboygan County)	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	1,694	1,928	2,073
		Percent compliance with single sample standard (<400 cells per 100 ml)	80%	83%	83%
		Geometric mean (cells per 100 ml)	208	199	197
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	201	212	211
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1,450	1,679	1,686
		Percent compliance with single sample standard (<400 cells per 100 ml)	89%	89%	89%
		Geometric mean (cells per 100 ml)	198	211	214
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	95	90	86
	Dissolved Oxygen	Mean (mg/l)	10.9	10.5	10.2
		Median (mg/l)	11.2	10.8	10.4
		Percent compliance with dissolved oxygen standard (>3 mg/l)	93%	90%	87%
	Total Phosphorus	Mean (mg/l)	0.039	0.036	0.036
		Median (mg/l)	0.007	0.007	0.007
		Percent compliance with 0.1 mg/l standard	92%	93%	93%
		Percent compliance with 0.075 mg/l standard	90%	91%	92%
	Total Nitrogen	Mean (mg/l)	1.49	1.50	1.51
		Median (mg/l)	1.48	1.47	1.48
	Total Suspended Solids	Mean (mg/l)	35.1	23.7	20.8
Median (mg/l)		5.3	5.0	4.7	
Copper	Mean (mg/l)	0.0016	0.0016	0.0017	
	Median (mg/l)	0.0010	0.0009	0.0009	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-21 Silver Creek (Sheboygan County)	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	1,964	2,151	2,265
		Percent compliance with single sample standard (<400 cells per 100 ml)	79%	82%	83%
		Geometric mean (cells per 100 ml)	203	187	180
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	218	234	239
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1,534	1,681	1,632
		Percent compliance with single sample standard (<400 cells per 100 ml)	89%	89%	90%
		Geometric mean (cells per 100 ml)	176	177	169
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	113	114	116
	Dissolved Oxygen	Mean (mg/l)	10.7	10.6	10.6
		Median (mg/l)	10.6	10.6	10.5
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100%	99%	99%
	Total Phosphorus	Mean (mg/l)	0.040	0.038	0.038
		Median (mg/l)	0.007	0.007	0.007
		Percent compliance with 0.1 mg/l standard	91%	92%	92%
		Percent compliance with 0.075 mg/l standard	89%	90%	91%
	Total Nitrogen	Mean (mg/l)	1.24	1.25	1.26
		Median (mg/l)	1.21	1.21	1.22
	Total Suspended Solids	Mean (mg/l)	22.6	15.0	13.2
Median (mg/l)		5.1	4.8	4.5	
Copper	Mean (mg/l)	0.0018	0.0018	0.0019	
	Median (mg/l)	0.0010	0.0009	0.0009	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-22 Stony Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	1,844	2,081	2,229
		Percent compliance with single sample standard (<400 cells per 100 ml)	76%	79%	80%
		Geometric mean (cells per 100 ml)	236	219	210
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	211	224	231
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1,574	1,731	1,687
		Percent compliance with single sample standard (<400 cells per 100 ml)	86%	86%	87%
		Geometric mean (cells per 100 ml)	199	195	184
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	109	110	113
	Dissolved Oxygen	Mean (mg/l)	10.6	10.5	10.5
		Median (mg/l)	10.5	10.5	10.4
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100%	100%	100%
	Total Phosphorus	Mean (mg/l)	0.045	0.042	0.043
		Median (mg/l)	0.007	0.007	0.007
		Percent compliance with 0.1 mg/l standard	90%	90%	90%
		Percent compliance with 0.075 mg/l standard	87%	88%	89%
	Total Nitrogen	Mean (mg/l)	1.46	1.45	1.45
		Median (mg/l)	1.43	1.42	1.42
	Total Suspended Solids	Mean (mg/l)	35.7	23.8	21.0
		Median (mg/l)	5.0	4.8	4.5
	Copper	Mean (mg/l)	0.0016	0.0017	0.0018
Median (mg/l)		0.0009	0.0009	0.0009	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-23 North Branch of the Milwaukee River	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	1,979	2,230	2,392
		Percent compliance with single sample standard (<400 cells per 100 ml)	71%	73%	73%
		Geometric mean (cells per 100 ml)	242	222	212
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	197	206	211
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1,595	1,719	1,650
		Percent compliance with single sample standard (<400 cells per 100 ml)	82%	82%	83%
		Geometric mean (cells per 100 ml)	169	158	140
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	103	104	108
	Dissolved Oxygen	Mean (mg/l)	11.3	11.1	11.0
		Median (mg/l)	11.4	11.1	10.9
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100%	100%	100%
	Total Phosphorus	Mean (mg/l)	0.050	0.049	0.051
		Median (mg/l)	0.007	0.007	0.007
		Percent compliance with 0.1 mg/l standard	87%	87%	87%
		Percent compliance with 0.075 mg/l standard	84%	84%	84%
	Total Nitrogen	Mean (mg/l)	1.45	1.45	1.46
		Median (mg/l)	1.44	1.42	1.44
	Total Suspended Solids	Mean (mg/l)	34.5	23.1	21.2
		Median (mg/l)	5.1	4.9	4.5
	Copper	Mean (mg/l)	0.0018	0.0020	0.0021
Median (mg/l)		0.0009	0.0009	0.0009	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-24 Fredonia, USGS Sampling Location (4086360)	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	1,181	1,240	1,261
		Percent compliance with single sample standard (<400 cells per 100 ml)	77%	80%	81%
		Geometric mean (cells per 100 ml)	301	280	267
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	152	171	182
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	938	956	901
		Percent compliance with single sample standard (<400 cells per 100 ml)	87%	88%	88%
		Geometric mean (cells per 100 ml)	267	259	243
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	52	59	66
	Dissolved Oxygen	Mean (mg/l)	11.0	10.8	10.7
		Median (mg/l)	10.9	10.8	10.6
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100%	100%	100%
	Total Phosphorus	Mean (mg/l)	0.109	0.105	0.109
		Median (mg/l)	0.074	0.073	0.077
		Percent compliance with 0.1 mg/l standard	76%	77%	73%
		Percent compliance with 0.075 mg/l standard	52%	54%	48%
	Total Nitrogen	Mean (mg/l)	1.84	1.76	1.74
		Median (mg/l)	1.79	1.68	1.67
	Total Suspended Solids	Mean (mg/l)	83.2	67.1	71.5
		Median (mg/l)	50.3	42.1	46.0
	Copper	Mean (mg/l)	0.0045	0.0050	0.0053
Median (mg/l)		0.0036	0.0041	0.0044	



Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-25 Upper Lower Milwaukee River	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	1,262	1,353	1,399
		Percent compliance with single sample standard (<400 cells per 100 ml)	73%	76%	77%
		Geometric mean (cells per 100 ml)	317	296	281
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	170	185	199
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	979	1,004	950
		Percent compliance with single sample standard (<400 cells per 100 ml)	84%	85%	86%
		Geometric mean (cells per 100 ml)	252	239	220
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	76	81	90
	Dissolved Oxygen	Mean (mg/l)	11.1	10.9	10.8
		Median (mg/l)	11.1	10.8	10.6
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100%	100%	100%
	Total Phosphorus	Mean (mg/l)	0.108	0.104	0.107
		Median (mg/l)	0.066	0.064	0.068
		Percent compliance with 0.1 mg/l standard	77%	78%	75%
		Percent compliance with 0.075 mg/l standard	62%	64%	59%
	Total Nitrogen	Mean (mg/l)	2.00	1.92	1.90
		Median (mg/l)	1.93	1.84	1.82
	Total Suspended Solids	Mean (mg/l)	87.5	68.9	72.1
		Median (mg/l)	44.7	37.3	40.7
	Copper	Mean (mg/l)	0.0042	0.0047	0.0051
Median (mg/l)		0.0033	0.0038	0.0040	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-27 Cedar Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2,498	2,877	3,159
		Percent compliance with single sample standard (<400 cells per 100 ml)	50%	48%	45%
		Geometric mean (cells per 100 ml)	599	642	702
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	70	66	58
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	2,114	2,345	2,333
		Percent compliance with single sample standard (<400 cells per 100 ml)	59%	54%	50%
		Geometric mean (cells per 100 ml)	492	553	576
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	27	20	20
	Dissolved Oxygen	Mean (mg/l)	11.1	10.9	10.8
		Median (mg/l)	11.1	11.0	10.8
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100%	100%	100%
	Total Phosphorus	Mean (mg/l)	0.057	0.056	0.059
		Median (mg/l)	0.013	0.013	0.014
		Percent compliance with 0.1 mg/l standard	87%	87%	86%
		Percent compliance with 0.075 mg/l standard	83%	84%	83%
	Total Nitrogen	Mean (mg/l)	1.61	1.63	1.65
		Median (mg/l)	1.58	1.58	1.61
	Total Suspended Solids	Mean (mg/l)	34.7	23.3	21.1
		Median (mg/l)	6.3	6.1	5.7
	Copper	Mean (mg/l)	0.0021	0.0023	0.0025
Median (mg/l)		0.0012	0.0012	0.0012	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-29 Milwaukee River at the Milwaukee-Ozaukee County Line	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	1,430	1,597	1,700
		Percent compliance with single sample standard (<400 cells per 100 ml)	60%	61%	62%
		Geometric mean (cells per 100 ml)	367	360	352
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	152	156	156
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	865	883	819
		Percent compliance with single sample standard (<400 cells per 100 ml)	77%	78%	80%
		Geometric mean (cells per 100 ml)	183	169	150
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	92	95	99
	Dissolved Oxygen	Mean (mg/l)	11.4	11.2	11.0
		Median (mg/l)	11.4	11.2	11.1
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100%	100%	100%
	Total Phosphorus	Mean (mg/l)	0.089	0.086	0.091
		Median (mg/l)	0.034	0.033	0.035
		Percent compliance with 0.1 mg/l standard	76%	76%	76%
		Percent compliance with 0.075 mg/l standard	70%	70%	69%
	Total Nitrogen	Mean (mg/l)	1.77	1.74	1.74
		Median (mg/l)	1.70	1.66	1.65
	Total Suspended Solids	Mean (mg/l)	71.2	53.1	54.0
Median (mg/l)		17.8	15.2	16.1	
Copper	Mean (mg/l)	0.0027	0.0031	0.0033	
	Median (mg/l)	0.0018	0.0020	0.0021	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-30 Milwaukee River Downstream of Beaver Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	817	847	847
		Percent compliance with single sample standard (<400 cells per 100 ml)	57%	58%	60%
		Geometric mean (cells per 100 ml)	224	196	172
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	145	150	160
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	412	377	332
		Percent compliance with single sample standard (<400 cells per 100 ml)	78%	80%	82%
		Geometric mean (cells per 100 ml)	65	49	38
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	95	99	104
	Dissolved Oxygen	Mean (mg/l)	11.3	11.0	10.7
		Median (mg/l)	11.6	11.4	11.2
		Percent compliance with dissolved oxygen standard (>5 mg/l)	99%	99%	97%
	Total Phosphorus	Mean (mg/l)	0.097	0.096	0.102
		Median (mg/l)	0.067	0.070	0.075
		Percent compliance with 0.1 mg/l standard	69%	67%	65%
		Percent compliance with 0.075 mg/l standard	55%	53%	50%
	Total Nitrogen	Mean (mg/l)	1.61	1.57	1.57
		Median (mg/l)	1.55	1.51	1.48
	Total Suspended Solids	Mean (mg/l)	60.4	45.5	46.2
Median (mg/l)		19.9	15.8	15.8	
Copper	Mean (mg/l)	0.0041	0.0047	0.0052	
	Median (mg/l)	0.0034	0.0039	0.0043	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-31 Indian Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	477	450	407
		Percent compliance with single sample standard (<2,000 cells per 100 ml)	62%	65%	68%
		Geometric mean (cells per 100 ml)	108	83	65
		Days of compliance with geometric mean standard (<1,000 cells per 100 ml)	161	172	185
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	199	165	144
		Percent compliance with single sample standard (<2,000 cells per 100 ml)	83%	86%	88%
		Geometric mean (cells per 100 ml)	22	15	11
		Days of compliance with geometric mean standard (<1,000 cells per 100 ml)	98	105	110
	Dissolved Oxygen	Mean (mg/l)	10.8	10.3	9.8
		Median (mg/l)	11.5	11.1	10.8
		Percent compliance with dissolved oxygen standard (>2 mg/l)	96%	94%	91%
	Total Phosphorus	Mean (mg/l)	0.099	0.099	0.105
		Median (mg/l)	0.075	0.080	0.085
		Percent compliance with 0.1 mg/l standard	66%	63%	60%
		Percent compliance with 0.075 mg/l standard	50%	46%	43%
	Total Nitrogen	Mean (mg/l)	1.59	1.54	1.54
		Median (mg/l)	1.54	1.49	1.46
	Total Suspended Solids	Mean (mg/l)	60.8	46.0	46.8
		Median (mg/l)	19.6	15.1	14.8
	Copper	Mean (mg/l)	0.0042	0.0049	0.0053
Median (mg/l)		0.0037	0.0042	0.0045	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-32 Lincoln Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	3	3	2
		Percent compliance with single sample standard (<2,000 cells per 100 ml)	100%	100%	100%
		Geometric mean (cells per 100 ml)			
		Days of compliance with geometric mean standard (<1,000 cells per 100 ml)	365	365	365
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	6	5	4
		Percent compliance with single sample standard (<2,000 cells per 100 ml)	100%	100%	100%
		Geometric mean (cells per 100 ml)			
		Days of compliance with geometric mean standard (<1,000 cells per 100 ml)	153	153	153
	Dissolved Oxygen	Mean (mg/l)	10.8	10.4	10.2
		Median (mg/l)	11.2	10.7	10.4
		Percent compliance with dissolved oxygen standard (>2 mg/l)	100%	100%	100%
	Total Phosphorus	Mean (mg/l)	0.118	0.112	0.118
		Median (mg/l)	0.126	0.115	0.120
		Percent compliance with 0.1 mg/l standard	24%	32%	27%
		Percent compliance with 0.075 mg/l standard	15%	17%	14%
	Total Nitrogen	Mean (mg/l)	0.95	0.85	0.88
		Median (mg/l)	1.01	0.87	0.90
	Total Suspended Solids	Mean (mg/l)	80.0	70.6	83.3
		Median (mg/l)	83.8	68.8	84.0
	Copper	Mean (mg/l)	0.0028	0.0028	0.0028
Median (mg/l)		0.0031	0.0031	0.0030	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-33 Milwaukee River at Lincoln/Estabrook Parks	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	779	802	802
		Percent compliance with single sample standard (<400 cells per 100 ml)	70%	72%	74%
		Geometric mean (cells per 100 ml)	198	179	162
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	176	186	196
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	509	504	465
		Percent compliance with single sample standard (<400 cells per 100 ml)	84%	85%	86%
		Geometric mean (cells per 100 ml)	93	82	72
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	103	106	110
	Dissolved Oxygen	Mean (mg/l)	10.7	10.5	10.3
		Median (mg/l)	10.6	10.4	10.3
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100%	100%	100%
	Total Phosphorus	Mean (mg/l)	0.103	0.101	0.104
		Median (mg/l)	0.073	0.071	0.074
		Percent compliance with 0.1 mg/l standard	75%	76%	74%
		Percent compliance with 0.075 mg/l standard	54%	55%	52%
	Total Nitrogen	Mean (mg/l)	1.25	1.18	1.18
		Median (mg/l)	1.20	1.14	1.12
	Total Suspended Solids	Mean (mg/l)	58.1	45.9	48.4
		Median (mg/l)	29.8	25.4	27.8
	Copper	Mean (mg/l)	0.0037	0.0042	0.0044
Median (mg/l)		0.0031	0.0035	0.0037	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
ML-34 Milwaukee River at the Former North Avenue Dam	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	369	335	293
		Percent compliance with single sample standard (<400 cells per 100 ml)	65%	68%	72%
		Geometric mean (cells per 100 ml)	78	59	45
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	161	174	188
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	188	162	144
		Percent compliance with single sample standard (<400 cells per 100 ml)	86%	88%	89%
		Geometric mean (cells per 100 ml)	14	9	6
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	102	108	113
	Dissolved Oxygen	Mean (mg/l)	10.2	9.5	9.1
		Median (mg/l)	11.1	10.7	10.4
		Percent compliance with dissolved oxygen standard (>5 mg/l)	92%	88%	86%
	Total Phosphorus	Mean (mg/l)	0.113	0.114	0.119
		Median (mg/l)	0.099	0.103	0.107
		Percent compliance with 0.1 mg/l standard	52%	47%	44%
		Percent compliance with 0.075 mg/l standard	28%	25%	24%
	Total Nitrogen	Mean (mg/l)	1.18	1.13	1.12
		Median (mg/l)	1.13	1.07	1.06
	Total Suspended Solids	Mean (mg/l)	51.6	40.8	42.4
Median (mg/l)		24.1	19.0	19.6	
Copper	Mean (mg/l)	0.0045	0.0051	0.0054	
	Median (mg/l)	0.0042	0.0047	0.0051	



Exhibit D

WATER QUALITY SUMMARY STATISTICS FOR THE OAK CREEK WATERSHED

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
OK-1 Upper Oak Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2603	2101	1830
		Percent compliance with single sample standard (<400 cells per 100 ml)	67	75	78
		Geometric mean (cells per 100 ml)	346	232	193
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	123	167	197
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1079	1061	1044
		Percent compliance with single sample standard (<400 cells per 100 ml)	84	84	85
		Geometric mean (cells per 100 ml)	181	178	173
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	82	92	93
	Dissolved Oxygen	Mean (mg/l)	8.17	7.49	7.07
		Median (mg/l)	8.59	7.78	7.47
		Percent compliance with dissolved oxygen standard (>5 mg/l)	73	67	65
	Total Phosphorus	Mean (mg/l)	0.0635	0.0545	0.0497
		Median (mg/l)	0.0248	0.0214	0.0206
		Percent compliance with 0.1 mg/l standard	83	87	89
		Percent compliance with 0.075 mg/l standard	80	85	87
	Total Nitrogen	Mean (mg/l)	0.88	0.83	0.81
		Median (mg/l)	0.82	0.75	0.69
	Total Suspended Solids	Mean (mg/l)	7.89	7.98	8.05
		Median (mg/l)	4.63	4.56	4.50
Copper	Mean (mg/l)	0.0030	0.0025	0.0023	
	Median (mg/l)	0.0008	0.0008	0.0008	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
OK-2 North Branch of Oak Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2722	2305	2097
		Percent compliance with single sample standard (<400 cells per 100 ml)	60	67	70
		Geometric mean (cells per 100 ml)	385	267	222
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	108	144	163
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1289	1216	1163
		Percent compliance with single sample standard (<400 cells per 100 ml)	76	77	78
		Geometric mean (cells per 100 ml)	192	177	164
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	71	87	91
	Dissolved Oxygen	Mean (mg/l)	8.58	7.95	7.57
		Median (mg/l)	8.30	7.53	7.30
		Percent compliance with dissolved oxygen standard (>5 mg/l)	80	76	74
	Total Phosphorus	Mean (mg/l)	0.0721	0.0639	0.0605
		Median (mg/l)	0.0298	0.0274	0.027
		Percent compliance with 0.1 mg/l standard	80	84	86
		Percent compliance with 0.075 mg/l standard	76	81	83
	Total Nitrogen	Mean (mg/l)	0.91	0.87	0.85
		Median (mg/l)	0.80	0.76	0.71
Total Suspended Solids	Mean (mg/l)	15.66	16.26	16.45	
	Median (mg/l)	6.40	6.11	5.99	
Copper	Mean (mg/l)	0.0040	0.0035	0.0033	
	Median (mg/l)	0.0010	0.0008	0.0008	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
OK-3 Oak Creek Downstream of North Branch of Oak Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	5436	4462	3927
		Percent compliance with single sample standard (<400 cells per 100 ml)	58	67	70
		Geometric mean (cells per 100 ml)	729	484	400
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	36	49	63
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	2382	2226	2099
		Percent compliance with single sample standard (<400 cells per 100 ml)	76	77	78
		Geometric mean (cells per 100 ml)	355	327	305
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	30	37	40
	Dissolved Oxygen	Mean (mg/l)	9.72	8.93	8.43
		Median (mg/l)	10.36	9.14	8.54
		Percent compliance with dissolved oxygen standard (>5 mg/l)	81	76	74
	Total Phosphorus	Mean (mg/l)	0.0736	0.0648	0.0606
		Median (mg/l)	0.0291	0.0261	0.0254
		Percent compliance with 0.1 mg/l standard	80	84	86
		Percent compliance with 0.075 mg/l standard	76	81	83
	Total Nitrogen	Mean (mg/l)	0.88	0.85	0.82
		Median (mg/l)	0.80	0.75	0.70
	Total Suspended Solids	Mean (mg/l)	13.74	14.27	14.49
Median (mg/l)		5.90	5.68	5.58	
Copper	Mean (mg/l)	0.0037	0.0033	0.0031	
	Median (mg/l)	0.0010	0.0008	0.0008	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
OK-4 Middle Oak Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	4447	3666	3265
		Percent compliance with single sample standard (<400 cells per 100 ml)	56	65	69
		Geometric mean (cells per 100 ml)	648	437	361
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	46	59	74
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1672	1512	1417
		Percent compliance with single sample standard (<400 cells per 100 ml)	75	76	77
		Geometric mean (cells per 100 ml)	308	279	260
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	35	43	46
	Dissolved Oxygen	Mean (mg/l)	9.24	8.57	8.14
		Median (mg/l)	9.46	8.60	8.23
		Percent compliance with dissolved oxygen standard (>5 mg/l)	82	77	74
	Total Phosphorus	Mean (mg/l)	0.0714	0.0643	0.0615
		Median (mg/l)	0.0294	0.0275	0.0272
		Percent compliance with 0.1 mg/l standard	81	84	86
		Percent compliance with 0.075 mg/l standard	76	81	83
	Total Nitrogen	Mean (mg/l)	0.86	0.84	0.83
		Median (mg/l)	0.76	0.72	0.68
	Total Suspended Solids	Mean (mg/l)	9.89	10.42	10.70
Median (mg/l)		5.34	5.29	5.25	
Copper	Mean (mg/l)	0.0038	0.0035	0.0033	
	Median (mg/l)	0.0010	0.0008	0.0008	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
OK-5 Middle Oak Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	4289	3546	3158
		Percent compliance with single sample standard (<400 cells per 100 ml)	55	64	67
		Geometric mean (cells per 100 ml)	664	460	386
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	40	52	63
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1595	1424	1319
		Percent compliance with single sample standard (<400 cells per 100 ml)	73	74	75
		Geometric mean (cells per 100 ml)	309	271	244
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	32	40	41
	Dissolved Oxygen	Mean (mg/l)	9.29	8.65	8.22
		Median (mg/l)	9.67	8.91	8.61
		Percent compliance with dissolved oxygen standard (>5 mg/l)	90	86	82
	Total Phosphorus	Mean (mg/l)	0.0761	0.0712	0.0706
		Median (mg/l)	0.0323	0.0305	0.0302
		Percent compliance with 0.1 mg/l standard	78	81	82
		Percent compliance with 0.075 mg/l standard	73	77	78
	Total Nitrogen	Mean (mg/l)	0.89	0.88	0.90
		Median (mg/l)	0.78	0.75	0.73
	Total Suspended Solids	Mean (mg/l)	9.36	9.69	9.80
Median (mg/l)		4.69	4.54	4.39	
Copper	Mean (mg/l)	0.0039	0.0036	0.0034	
	Median (mg/l)	0.0010	0.0008	0.0008	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
OK-6 Mitchell Field Drainage Ditch	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	3966	3204	2839
		Percent compliance with single sample standard (<400 cells per 100 ml)	62	72	75
		Geometric mean (cells per 100 ml)	775	554	470
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	13	22	25
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1590	1541	1500
		Percent compliance with single sample standard (<400 cells per 100 ml)	80	82	84
		Geometric mean (cells per 100 ml)	411	371	354
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	5	11	11
	Dissolved Oxygen	Mean (mg/l)	8.81	8.15	7.74
		Median (mg/l)	8.44	7.56	7.20
		Percent compliance with dissolved oxygen standard (>5 mg/l)	78	75	73
	Total Phosphorus	Mean (mg/l)	0.0702	0.0628	0.0606
		Median (mg/l)	0.0464	0.0387	0.0367
		Percent compliance with 0.1 mg/l standard	82	85	86
		Percent compliance with 0.075 mg/l standard	75	80	82
	Total Nitrogen	Mean (mg/l)	1.00	0.94	0.91
Median (mg/l)		0.94	0.86	0.79	
Total Suspended Solids	Mean (mg/l)	7.11	7.21	7.25	
	Median (mg/l)	4.21	4.15	4.11	
Copper	Mean (mg/l)	0.0031	0.0027	0.0025	
	Median (mg/l)	0.0008	0.0008	0.0008	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
OK-7 Oak Creek Downstream of Mitchell Field Drainage Ditch	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	4358	3611	3222
		Percent compliance with single sample standard (<400 cells per 100 ml)	56	65	68
		Geometric mean (cells per 100 ml)	696	482	403
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	35	46	58
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1657	1476	1355
		Percent compliance with single sample standard (<400 cells per 100 ml)	74	76	77
		Geometric mean (cells per 100 ml)	320	277	249
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	28	37	40
	Dissolved Oxygen	Mean (mg/l)	9.13	8.35	7.87
		Median (mg/l)	9.27	8.48	8.12
		Percent compliance with dissolved oxygen standard (>5 mg/l)	80	75	72
	Total Phosphorus	Mean (mg/l)	0.0881	0.0832	0.0835
		Median (mg/l)	0.0583	0.0517	0.0511
		Percent compliance with 0.1 mg/l standard	75	77	78
		Percent compliance with 0.075 mg/l standard	65	69	70
	Total Nitrogen	Mean (mg/l)	0.98	0.97	0.99
		Median (mg/l)	0.92	0.86	0.83
	Total Suspended Solids	Mean (mg/l)	9.90	10.24	10.35
		Median (mg/l)	4.76	4.63	4.49
	Copper	Mean (mg/l)	0.0039	0.0035	0.0034
Median (mg/l)		0.0010	0.0008	0.0008	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
OK-8 Lower Oak Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	8662	7214	6471
		Percent compliance with single sample standard (<400 cells per 100 ml)	39	45	48
		Geometric mean (cells per 100 ml)	1550	1090	917
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	13	19	21
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	3218	2838	2573
		Percent compliance with single sample standard (<400 cells per 100 ml)	61	64	66
		Geometric mean (cells per 100 ml)	593	475	405
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	12	16	18
	Dissolved Oxygen	Mean (mg/l)	10.17	9.68	9.38
		Median (mg/l)	10.15	9.74	9.43
		Percent compliance with dissolved oxygen standard (>5 mg/l)	92	91	90
	Total Phosphorus	Mean (mg/l)	0.0883	0.0841	0.0845
		Median (mg/l)	0.0599	0.0534	0.0513
		Percent compliance with 0.1 mg/l standard	74	78	79
		Percent compliance with 0.075 mg/l standard	64	69	71
	Total Nitrogen	Mean (mg/l)	0.96	0.93	0.95
		Median (mg/l)	0.90	0.83	0.79
	Total Suspended Solids	Mean (mg/l)	10.69	11.06	11.15
		Median (mg/l)	4.79	4.59	4.42
	Copper	Mean (mg/l)	0.0040	0.0036	0.0035
Median (mg/l)		0.0010	0.0008	0.0008	



Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
OK-9 Lower Oak Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	4091	3406	3042
		Percent compliance with single sample standard (<400 cells per 100 ml)	57	66	69
		Geometric mean (cells per 100 ml)	526	335	260
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	68	101	124
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1502	1301	1175
		Percent compliance with single sample standard (<400 cells per 100 ml)	76	78	80
		Geometric mean (cells per 100 ml)	189	141	112
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	50	71	86
	Dissolved Oxygen	Mean (mg/l)	10.54	10.15	9.91
		Median (mg/l)	10.35	9.97	9.74
		Percent compliance with dissolved oxygen standard (>5 mg/l)	96	96	96
	Total Phosphorus	Mean (mg/l)	0.0850	0.0796	0.0781
		Median (mg/l)	0.0633	0.0588	0.0568
		Percent compliance with 0.1 mg/l standard	76	80	82
		Percent compliance with 0.075 mg/l standard	64	68	71
	Total Nitrogen	Mean (mg/l)	0.95	0.92	0.91
		Median (mg/l)	0.91	0.88	0.85
	Total Suspended Solids	Mean (mg/l)	10.74	11.02	11.01
Median (mg/l)		4.38	4.03	3.77	
Copper	Mean (mg/l)	0.0040	0.0036	0.0034	
	Median (mg/l)	0.0010	0.0008	0.0008	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
OK-10 Lower Oak Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	3696	3181	2918
		Percent compliance with single sample standard (<400 cells per 100 ml)	52	59	62
		Geometric mean (cells per 100 ml)	404	255	191
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	118	150	165
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1262	1023	907
		Percent compliance with single sample standard (<400 cells per 100 ml)	74	77	79
		Geometric mean (cells per 100 ml)	89	56	40
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	93	112	120
	Dissolved Oxygen	Mean (mg/l)	11.22	10.91	10.74
		Median (mg/l)	11.21	10.84	10.58
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100	100	100
	Total Phosphorus	Mean (mg/l)	0.0698	0.0676	0.0677
		Median (mg/l)	0.0435	0.0390	0.0380
		Percent compliance with 0.1 mg/l standard	80	81	80
		Percent compliance with 0.075 mg/l standard	73	75	75
	Total Nitrogen	Mean (mg/l)	0.81	0.80	0.81
Median (mg/l)		0.71	0.67	0.67	
Total Suspended Solids	Mean (mg/l)	13.19	14.29	14.94	
	Median (mg/l)	5.12	5.10	5.15	
Copper	Mean (mg/l)	0.0047	0.0046	0.0048	
	Median (mg/l)	0.0021	0.0018	0.0018	

Exhibit E

WATER QUALITY SUMMARY STATISTICS FOR THE ROOT RIVER WATERSHED

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
RT-1 Root River Upstream of Hale Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2861	2937	2828
		Percent compliance with single sample standard (<400 cells per 100 ml)	72	76	78
		Geometric mean (cells per 100 ml)	293	240	206
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	143	159	183
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1283	1509	1541
		Percent compliance with single sample standard (<400 cells per 100 ml)	86	85	85
		Geometric mean (cells per 100 ml)	170	171	158
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	87	91	100
	Dissolved Oxygen	Mean (mg/l)	10.68	10.23	9.81
		Median (mg/l)	10.77	10.35	9.98
		Percent compliance with dissolved oxygen standard (>5 mg/l)	95	92	88
	Total Phosphorus	Mean (mg/l)	0.0523	0.0501	0.0477
		Median (mg/l)	0.0211	0.0197	0.0188
		Percent compliance with 0.1 mg/l standard	88	89	90
		Percent compliance with 0.075 mg/l standard	86	87	89
	Total Nitrogen	Mean (mg/l)	0.84	0.82	0.79
		Median (mg/l)	0.86	0.82	0.76
	Total Suspended Solids	Mean (mg/l)	5.13	5.11	5.00
		Median (mg/l)	3.40	3.23	2.97
	Copper	Mean (mg/l)	0.0025	0.0025	0.0024
Median (mg/l)		0.0009	0.0009	0.0009	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
RT-2 Root River	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	3619	3641	3456
		Percent compliance with single sample standard (<400 cells per 100 ml)	68	71	74
		Geometric mean (cells per 100 ml)	361	293	252
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	104	112	134
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1585	1917	1994
		Percent compliance with single sample standard (<400 cells per 100 ml)	81	80	81
		Geometric mean (cells per 100 ml)	208	214	200
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	60	63	71
	Dissolved Oxygen	Mean (mg/l)	8.38	8.15	7.95
		Median (mg/l)	8.42	8.17	8.00
		Percent compliance with dissolved oxygen standard (>5mg/l)	95	92	89
	Total Phosphorus	Mean (mg/l)	0.0654	0.0637	0.0607
		Median (mg/l)	0.0209	0.0195	0.0186
		Percent compliance with 0.1 mg/l standard	83	85	86
		Percent compliance with 0.075 mg/l standard	81	83	84
	Total Nitrogen	Mean (mg/l)	0.96	0.95	0.92
		Median (mg/l)	0.91	0.90	0.88
	Total Suspended Solids	Mean (mg/l)	4.90	5.02	5.07
		Median (mg/l)	3.42	3.36	3.22
	Copper	Mean (mg/l)	0.0035	0.0035	0.0033
Median (mg/l)		0.0009	0.0009	0.0009	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
RT-3 Root River at Wildcat Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	3665	3670	3446
		Percent compliance with single sample standard (<400 cells per 100 ml)	66	69	71
		Geometric mean (cells per 100 ml)	371	306	264
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	96	104	126
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1538	1716	1679
		Percent compliance with single sample standard (<400 cells per 100 ml)	79	78	79
		Geometric mean (cells per 100 ml)	215	219	204
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	55	61	69
	Dissolved Oxygen	Mean (mg/l)	9.28	8.61	8.13
		Median (mg/l)	9.07	8.27	7.96
		Percent compliance with dissolved oxygen standard (>5 mg/l)	88	86	84
	Total Phosphorus	Mean (mg/l)	0.0653	0.0635	0.0604
		Median (mg/l)	0.0184	0.0175	0.0171
		Percent compliance with 0.1 mg/l standard	82	84	85
		Percent compliance with 0.075 mg/l standard	79	81	83
	Total Nitrogen	Mean (mg/l)	0.92	0.92	0.90
		Median (mg/l)	0.84	0.84	0.82
	Total Suspended Solids	Mean (mg/l)	7.01	7.21	7.24
		Median (mg/l)	3.35	3.30	3.22
	Copper	Mean (mg/l)	0.0037	0.0037	0.0035
Median (mg/l)		0.0009	0.0009	0.0009	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
RT-4 Root River	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	3585	3696	3546
		Percent compliance with single sample standard (<400 cells per 100 ml)	60	63	65
		Geometric mean (cells per 100 ml)	486	438	376
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	62	62	76
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1444	1590	1522
		Percent compliance with single sample standard (<400 cells per 100 ml)	74	74	75
		Geometric mean (cells per 100 ml)	267	266	245
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	40	44	48
	Dissolved Oxygen	Mean (mg/l)	9.90	9.22	8.71
		Median (mg/l)	9.78	8.89	8.55
		Percent compliance with dissolved oxygen standard (>5mg/l)	95	93	90
	Total Phosphorus	Mean (mg/l)	0.0677	0.0671	0.0650
		Median (mg/l)	0.0190	0.0183	0.0182
		Percent compliance with 0.1 mg/l standard	80	81	82
		Percent compliance with 0.075 mg/l standard	76	78	79
	Total Nitrogen	Mean (mg/l)	0.89	0.90	0.90
		Median (mg/l)	0.78	0.78	0.78
	Total Suspended Solids	Mean (mg/l)	7.47	7.96	8.24
		Median (mg/l)	3.28	3.33	3.33
	Copper	Mean (mg/l)	0.0041	0.0043	0.0042
Median (mg/l)		0.0011	0.0010	0.0010	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
RT-5 Whitnall Park Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	4072	4291	4186
		Percent compliance with single sample standard (<400 cells per 100 ml)	59	61	63
		Geometric mean (cells per 100 ml)	486	447	395
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	65	60	75
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1858	2053	1961
		Percent compliance with single sample standard (<400 cells per 100 ml)	73	72	74
		Geometric mean (cells per 100 ml)	260	270	250
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	43	43	49
	Dissolved Oxygen	Mean (mg/l)	8.69	8.30	8.02
		Median (mg/l)	8.53	8.13	7.83
		Percent compliance with dissolved oxygen standard (>3 mg/l)	100	100	100
	Total Phosphorus	Mean (mg/l)	0.0755	0.0756	0.0736
		Median (mg/l)	0.0243	0.0234	0.023
		Percent compliance with 0.1 mg/l standard	78	78	80
		Percent compliance with 0.075 mg/l standard	74	75	77
	Total Nitrogen	Mean (mg/l)	0.96	0.98	0.98
Median (mg/l)		0.85	0.85	0.85	
Total Suspended Solids	Mean (mg/l)	11.44	12.72	13.19	
	Median (mg/l)	3.53	3.51	3.50	
Copper	Mean (mg/l)	0.0043	0.0045	0.0045	
	Median (mg/l)	0.0013	0.0011	0.0010	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
RT-6 Tess Corners Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2988	3150	3065
		Percent compliance with single sample standard (<400 cells per 100 ml)	65	68	70
		Geometric mean (cells per 100 ml)	336	293	260
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	111	113	130
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1405	1546	1487
		Percent compliance with single sample standard (<400 cells per 100 ml)	78	77	78
		Geometric mean (cells per 100 ml)	198	205	194
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	66	70	75
	Dissolved Oxygen	Mean (mg/l)	10.52	9.85	9.32
		Median (mg/l)	10.59	9.59	8.94
		Percent compliance with dissolved oxygen standard (>3 mg/l)	100	100	100
	Total Phosphorus	Mean (mg/l)	0.0601	0.059	0.0574
		Median (mg/l)	0.0186	0.0182	0.0183
		Percent compliance with 0.1 mg/l standard	83	84	85
		Percent compliance with 0.075 mg/l standard	80	80	82
	Total Nitrogen	Mean (mg/l)	0.81	0.83	0.83
Median (mg/l)		0.73	0.73	0.73	
Total Suspended Solids	Mean (mg/l)	10.16	10.64	10.85	
	Median (mg/l)	3.56	3.51	3.47	
Copper	Mean (mg/l)	0.0033	0.0033	0.0033	
	Median (mg/l)	0.0009	0.0009	0.0009	



Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
RT-7 Whitnall Park Creek Downstream of Tess Corners Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	3455	3674	3602
		Percent compliance with single sample standard (<400 cells per 100 ml)	60	62	64
		Geometric mean (cells per 100 ml)	421	388	347
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	81	74	91
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1560	1725	1650
		Percent compliance with single sample standard (<400 cells per 100 ml)	74	73	74
		Geometric mean (cells per 100 ml)	228	239	223
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	53	54	61
	Dissolved Oxygen	Mean (mg/l)	10.37	9.66	9.14
		Median (mg/l)	10.34	9.30	8.84
		Percent compliance with dissolved oxygen standard (>3 mg/l)	100	100	100
	Total Phosphorus	Mean (mg/l)	0.0662	0.0662	0.0648
		Median (mg/l)	0.0208	0.0199	0.02
		Percent compliance with 0.1 mg/l standard	80	80	81
		Percent compliance with 0.075 mg/l standard	76	77	78
	Total Nitrogen	Mean (mg/l)	0.86	0.88	0.89
		Median (mg/l)	0.76	0.76	0.77
	Total Suspended Solids	Mean (mg/l)	10.23	10.99	11.29
Median (mg/l)		3.47	3.48	3.47	
Copper	Mean (mg/l)	0.0039	0.0041	0.0041	
	Median (mg/l)	0.0012	0.0011	0.0010	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
RT-8 Middle Root River	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	3664	3904	3805
		Percent compliance with single sample standard (<400 cells per 100 ml)	57	59	61
		Geometric mean (cells per 100 ml)	582	553	485
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	44	44	57
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1550	1702	1607
		Percent compliance with single sample standard (<400 cells per 100 ml)	71	71	72
		Geometric mean (cells per 100 ml)	300	294	265
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	32	36	43
	Dissolved Oxygen	Mean (mg/l)	11.46	11.08	10.78
		Median (mg/l)	11.65	11.12	10.76
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100	100	99
	Total Phosphorus	Mean (mg/l)	0.0775	0.0783	0.0781
		Median (mg/l)	0.0517	0.0497	0.0497
		Percent compliance with 0.1 mg/l standard	78	78	79
		Percent compliance with 0.075 mg/l standard	69	69	70
	Total Nitrogen	Mean (mg/l)	0.93	0.95	0.96
		Median (mg/l)	0.92	0.92	0.94
	Total Suspended Solids	Mean (mg/l)	9.70	9.75	9.87
		Median (mg/l)	3.32	3.26	3.28
	Copper	Mean (mg/l)	0.0005	0.0005	0.0005
Median (mg/l)		0.0002	0.0001	0.0001	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
RT-9 East Branch Root River	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	3443	3468	3280
		Percent compliance with single sample standard (<400 cells per 100 ml)	67	70	72
		Geometric mean (cells per 100 ml)	349	287	248
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	104	116	138
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1590	1827	1813
		Percent compliance with single sample standard (<400 cells per 100 ml)	79	78	80
		Geometric mean (cells per 100 ml)	213	217	203
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	59	63	71
	Dissolved Oxygen	Mean (mg/l)	8.20	7.60	7.23
		Median (mg/l)	7.84	7.16	6.94
		Percent compliance with dissolved oxygen standard (>1 mg/l)	100	100	100
	Total Phosphorus	Mean (mg/l)	0.0629	0.0608	0.0578
		Median (mg/l)	0.0245	0.0221	0.0213
		Percent compliance with 0.1 mg/l standard	83	84	85
		Percent compliance with 0.075 mg/l standard	79	81	83
	Total Nitrogen	Mean (mg/l)	0.91	0.91	0.89
		Median (mg/l)	0.89	0.88	0.87
	Total Suspended Solids	Mean (mg/l)	6.93	7.13	7.14
Median (mg/l)		3.29	3.23	3.14	
Copper	Mean (mg/l)	0.0033	0.0032	0.0031	
	Median (mg/l)	0.0009	0.0009	0.0009	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
RT-10 Root River Upstream of Ryan Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	3671	3843	3714
		Percent compliance with single sample standard (<400 cells per 100 ml)	58	60	62
		Geometric mean (cells per 100 ml)	573	530	458
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	47	46	60
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1503	1644	1545
		Percent compliance with single sample standard (<400 cells per 100 ml)	72	71	73
		Geometric mean (cells per 100 ml)	303	293	264
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	32	36	42
	Dissolved Oxygen	Mean (mg/l)	11.23	10.72	10.28
		Median (mg/l)	11.57	10.87	10.22
		Percent compliance with dissolved oxygen standard (>5 mg/l)	98	97	95
	Total Phosphorus	Mean (mg/l)	0.0747	0.0736	0.0716
		Median (mg/l)	0.0488	0.0451	0.0434
		Percent compliance with 0.1 mg/l standard	78	78	79
		Percent compliance with 0.075 mg/l standard	69	70	72
	Total Nitrogen	Mean (mg/l)	0.90	0.91	0.91
		Median (mg/l)	0.87	0.87	0.88
	Total Suspended Solids	Mean (mg/l)	8.59	9.09	9.29
Median (mg/l)		3.26	3.28	3.31	
Copper	Mean (mg/l)	0.0015	0.0015	0.0015	
	Median (mg/l)	0.0004	0.0003	0.0003	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
RT-11 West Branch Root River Canal	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2165	2406	2420
		Percent compliance with single sample standard (<400 cells per 100 ml)	69	71	74
		Geometric mean (cells per 100 ml)	246	220	178
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	147	155	186
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1528	1631	1596
		Percent compliance with single sample standard (<400 cells per 100 ml)	81	80	81
		Geometric mean (cells per 100 ml)	141	133	112
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	82	94	104
	Dissolved Oxygen	Mean (mg/l)	12.25	12.09	12.13
		Median (mg/l)	12.96	12.58	12.42
		Percent compliance with dissolved oxygen standard (>1 mg/l)	95	92	91
	Total Phosphorus	Mean (mg/l)	0.2136	0.246	0.2818
		Median (mg/l)	0.1378	0.1729	0.2048
		Percent compliance with 0.1 mg/l standard	44	38	34
		Percent compliance with 0.075 mg/l standard	29	24	20
	Total Nitrogen	Mean (mg/l)	2.92	3.17	3.49
		Median (mg/l)	2.34	2.61	2.83
	Total Suspended Solids	Mean (mg/l)	20.43	15.83	15.11
		Median (mg/l)	3.42	3.07	2.97
	Copper	Mean (mg/l)	0.0052	0.0059	0.0065
Median (mg/l)		0.0037	0.0046	0.0053	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
RT-12 West Branch Root River Canal	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2243	2565	2641
		Percent compliance with single sample standard (<400 cells per 100 ml)	69	71	74
		Geometric mean (cells per 100 ml)	221	202	165
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	165	174	209
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1786	1931	1919
		Percent compliance with single sample standard (<400 cells per 100 ml)	81	80	81
		Geometric mean (cells per 100 ml)	132	129	111
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	92	102	111
	Dissolved Oxygen	Mean (mg/l)	12.07	12.02	12.22
		Median (mg/l)	12.56	12.46	12.44
		Percent compliance with dissolved oxygen standard (>3 mg/l)	100	100	100
	Total Phosphorus	Mean (mg/l)	0.1923	0.2202	0.2527
		Median (mg/l)	0.1063	0.1371	0.1669
		Percent compliance with 0.1 mg/l standard	50	41	36
		Percent compliance with 0.075 mg/l standard	37	31	26
	Total Nitrogen	Mean (mg/l)	2.78	3.00	3.29
		Median (mg/l)	2.15	2.38	2.59
	Total Suspended Solids	Mean (mg/l)	26.05	20.26	19.54
Median (mg/l)		3.83	3.59	3.46	
Copper	Mean (mg/l)	0.0047	0.0054	0.0060	
	Median (mg/l)	0.0031	0.0038	0.0045	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
RT-13 West Branch Root River Canal	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2118	2536	2687
		Percent compliance with single sample standard (<400 cells per 100 ml)	65	66	68
		Geometric mean (cells per 100 ml)	352	352	300
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	81	80	97
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1804	1982	2016
		Percent compliance with single sample standard (<400 cells per 100 ml)	77	77	77
		Geometric mean (cells per 100 ml)	209	199	172
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	53	58	68
	Dissolved Oxygen	Mean (mg/l)	11.62	11.44	11.37
		Median (mg/l)	12.01	11.81	11.62
		Percent compliance with dissolved oxygen standard (>5 mg/l)	99	99	99
	Total Phosphorus	Mean (mg/l)	0.1329	0.1452	0.166
		Median (mg/l)	0.0664	0.0726	0.0841
		Percent compliance with 0.1 mg/l standard	69	63	56
		Percent compliance with 0.075 mg/l standard	59	52	46
	Total Nitrogen	Mean (mg/l)	2.13	2.20	2.38
		Median (mg/l)	1.54	1.64	1.78
	Total Suspended Solids	Mean (mg/l)	19.89	15.83	15.29
		Median (mg/l)	3.66	3.37	3.27
	Copper	Mean (mg/l)	0.0006	0.0006	0.0006
Median (mg/l)		0.0002	0.0002	0.0002	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
RT-14 East Branch Root River Canal	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2290	2665	2763
		Percent compliance with single sample standard (<400 cells per 100 ml)	74	75	77
		Geometric mean (cells per 100 ml)	155	144	125
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	244	255	274
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	2289	2450	2510
		Percent compliance with single sample standard (<400 cells per 100 ml)	84	83	83
		Geometric mean (cells per 100 ml)	113	122	117
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	128	121	124
	Dissolved Oxygen	Mean (mg/l)	11.87	11.82	11.92
		Median (mg/l)	12.22	12.13	12.09
		Percent compliance with dissolved oxygen standard (>1 mg/l)	100	100	100
	Total Phosphorus	Mean (mg/l)	0.1581	0.1706	0.1947
		Median (mg/l)	0.0677	0.0776	0.0854
		Percent compliance with 0.1 mg/l standard	69	63	58
		Percent compliance with 0.075 mg/l standard	58	53	49
	Total Nitrogen	Mean (mg/l)	2.50	2.51	2.65
		Median (mg/l)	1.92	1.98	2.09
	Total Suspended Solids	Mean (mg/l)	41.91	31.97	29.01
Median (mg/l)		4.29	4.23	4.21	
Copper	Mean (mg/l)	0.0027	0.0029	0.0032	
	Median (mg/l)	0.0013	0.0014	0.0014	



Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
RT-15 East Branch Root River Canal	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2778	3133	3162
		Percent compliance with single sample standard (<400 cells per 100 ml)	69	71	74
		Geometric mean (cells per 100 ml)	216	200	174
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	187	199	216
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	2238	2336	2353
		Percent compliance with single sample standard (<400 cells per 100 ml)	81	80	81
		Geometric mean (cells per 100 ml)	143	152	145
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	105	106	108
	Dissolved Oxygen	Mean (mg/l)	11.28	10.94	10.78
		Median (mg/l)	11.45	10.98	10.81
		Percent compliance with dissolved oxygen standard (>3 mg/l)	100	100	100
	Total Phosphorus	Mean (mg/l)	0.1276	0.1287	0.1423
		Median (mg/l)	0.0619	0.0672	0.0714
		Percent compliance with 0.1 mg/l standard	75	71	67
		Percent compliance with 0.075 mg/l standard	64	59	56
	Total Nitrogen	Mean (mg/l)	2.11	2.06	2.14
		Median (mg/l)	1.64	1.69	1.77
	Total Suspended Solids	Mean (mg/l)	39.80	30.68	28.32
Median (mg/l)		4.33	4.27	4.24	
Copper	Mean (mg/l)	0.0033	0.0036	0.0038	
	Median (mg/l)	0.0013	0.0013	0.0013	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
RT-16 Root River Canal	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2195	2656	2807
		Percent compliance with single sample standard (<400 cells per 100 ml)	62	63	66
		Geometric mean (cells per 100 ml)	370	378	328
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	79	80	94
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1845	1960	1974
		Percent compliance with single sample standard (<400 cells per 100 ml)	74	75	76
		Geometric mean (cells per 100 ml)	213	201	175
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	56	61	71
	Dissolved Oxygen	Mean (mg/l)	11.64	11.39	11.25
		Median (mg/l)	12.01	11.66	11.43
		Percent compliance with dissolved oxygen standard (>5 mg/l)	98	97	96
	Total Phosphorus	Mean (mg/l)	0.1097	0.114	0.128
		Median (mg/l)	0.0618	0.0677	0.0755
		Percent compliance with 0.1 mg/l standard	75	72	67
		Percent compliance with 0.075 mg/l standard	64	60	55
	Total Nitrogen	Mean (mg/l)	1.83	1.80	1.90
		Median (mg/l)	1.40	1.45	1.54
	Total Suspended Solids	Mean (mg/l)	20.06	16.53	15.96
		Median (mg/l)	4.38	3.90	3.73
	Copper	Mean (mg/l)	0.0019	0.0021	0.0021
Median (mg/l)		0.0006	0.0006	0.0006	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
RT-17 Root River at Upstream Crossing of Milwaukee-Racine County Line and Downstream of Root River Canal	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2770	3136	3176
		Percent compliance with single sample standard (<400 cells per 100 ml)	58	59	61
		Geometric mean (cells per 100 ml)	554	548	486
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	41	45	52
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1434	1555	1499
		Percent compliance with single sample standard (<400 cells per 100 ml)	72	72	73
		Geometric mean (cells per 100 ml)	298	284	258
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	32	37	42
	Dissolved Oxygen	Mean (mg/l)	11.46	11.15	10.93
		Median (mg/l)	11.59	11.16	10.88
		Percent compliance with dissolved oxygen standard (>5 mg/l)	99	99	98
	Total Phosphorus	Mean (mg/l)	0.0881	0.0929	0.1019
		Median (mg/l)	0.0604	0.0628	0.0702
		Percent compliance with 0.1 mg/l standard	76	74	70
		Percent compliance with 0.075 mg/l standard	65	62	58
	Total Nitrogen	Mean (mg/l)	1.29	1.30	1.38
		Median (mg/l)	1.09	1.12	1.18
	Total Suspended Solids	Mean (mg/l)	12.43	10.88	10.71
		Median (mg/l)	3.42	3.01	2.95
	Copper	Mean (mg/l)	0.0005	0.0005	0.0005
Median (mg/l)		0.0001	0.0001	0.0001	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
RT-18 Root River Upstream of Hoods Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2899	3345	3426
		Percent compliance with single sample standard (<400 cells per 100 ml)	56	57	60
		Geometric mean (cells per 100 ml)	524	536	483
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	61	62	72
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1531	1650	1578
		Percent compliance with single sample standard (<400 cells per 100 ml)	71	72	73
		Geometric mean (cells per 100 ml)	244	235	210
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	50	53	62
	Dissolved Oxygen	Mean (mg/l)	11.36	11.11	10.94
		Median (mg/l)	11.49	11.12	10.83
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100	99	99
	Total Phosphorus	Mean (mg/l)	0.0789	0.0908	0.0985
		Median (mg/l)	0.0573	0.0655	0.0718
		Percent compliance with 0.1 mg/l standard	80	74	70
		Percent compliance with 0.075 mg/l standard	67	60	55
	Total Nitrogen	Mean (mg/l)	1.01	1.24	1.29
		Median (mg/l)	0.82	1.05	1.09
	Total Suspended Solids	Mean (mg/l)	17.27	14.67	14.36
Median (mg/l)		3.58	2.96	2.63	
Copper	Mean (mg/l)	0.0011	0.0013	0.0013	
	Median (mg/l)	0.0002	0.0002	0.0002	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
RT-19 Ives Grove Ditch	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2058	2200	2128
		Percent compliance with single sample standard (<400 cells per 100 ml)	74	76	78
		Geometric mean (cells per 100 ml)	84	56	36
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	258	295	318
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	930	1031	1035
		Percent compliance with single sample standard (<400 cells per 100 ml)	86	85	85
		Geometric mean (cells per 100 ml)	28	22	15
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	147	150	151
	Dissolved Oxygen	Mean (mg/l)	9.57	8.88	8.39
		Median (mg/l)	8.37	7.37	7.12
		Percent compliance with dissolved oxygen standard (>1 mg/l)	97	98	98
	Total Phosphorus	Mean (mg/l)	0.7636	0.9992	1.2568
		Median (mg/l)	0.3125	0.4858	0.7396
		Percent compliance with 0.1 mg/l standard	21	15	12
		Percent compliance with 0.075 mg/l standard	15	11	9
	Total Nitrogen	Mean (mg/l)	4.41	5.26	6.16
Median (mg/l)		3.11	3.81	4.63	
Total Suspended Solids	Mean (mg/l)	13.89	10.42	9.67	
	Median (mg/l)	4.23	4.18	4.18	
Copper	Mean (mg/l)	0.0054	0.0064	0.0073	
	Median (mg/l)	0.0035	0.0048	0.0059	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
RT-20 Hoods Creek	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2439	2688	2649
		Percent compliance with single sample standard (<400 cells per 100 ml)	68	70	72
		Geometric mean (cells per 100 ml)	133	96	68
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	231	258	285
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1325	1473	1448
		Percent compliance with single sample standard (<400 cells per 100 ml)	80	79	79
		Geometric mean (cells per 100 ml)	53	44	31
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	137	141	146
	Dissolved Oxygen	Mean (mg/l)	10.83	10.18	9.72
		Median (mg/l)	11.52	10.27	9.35
		Percent compliance with dissolved oxygen standard (>3 mg/l)	98	98	98
	Total Phosphorus	Mean (mg/l)	0.4119	0.5356	0.717
		Median (mg/l)	0.125	0.1709	0.223
		Percent compliance with 0.1 mg/l standard	44	35	28
		Percent compliance with 0.075 mg/l standard	32	23	19
	Total Nitrogen	Mean (mg/l)	2.91	3.40	4.08
		Median (mg/l)	1.97	2.31	2.62
	Total Suspended Solids	Mean (mg/l)	18.31	14.41	13.65
Median (mg/l)		4.14	4.10	4.10	
Copper	Mean (mg/l)	0.0046	0.0053	0.0059	
	Median (mg/l)	0.0023	0.0030	0.0037	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
RT-21 Root River at the City of Racine, USGS Sampling Location (4087240)	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2610	3031	3117
		Percent compliance with single sample standard (<400 cells per 100 ml)	57	59	61
		Geometric mean (cells per 100 ml)	424	424	372
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	91	92	104
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1311	1389	1320
		Percent compliance with single sample standard (<400 cells per 100 ml)	74	74	76
		Geometric mean (cells per 100 ml)	188	172	150
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	73	78	87
	Dissolved Oxygen	Mean (mg/l)	11.06	10.89	10.77
		Median (mg/l)	11.33	11.01	10.77
		Percent compliance with dissolved oxygen standard (>5 mg/l)	99	99	99
	Total Phosphorus	Mean (mg/l)	0.0945	0.0998	0.1096
		Median (mg/l)	0.0686	0.0745	0.0821
		Percent compliance with 0.1 mg/l standard	71	68	63
		Percent compliance with 0.075 mg/l standard	56	52	46
	Total Nitrogen	Mean (mg/l)	1.19	1.17	1.20
		Median (mg/l)	1.00	1.00	1.02
	Total Suspended Solids	Mean (mg/l)	19.59	17.09	16.86
Median (mg/l)		4.40	3.41	2.84	
Copper	Mean (mg/l)	0.0006	0.0007	0.0008	
	Median (mg/l)	0.0001	0.0001	0.0001	

Assessment Point	Water Quality Indicator	Statistic	Condition		
			Recommended Plan Based on GMIA Weather Inputs	Recommended Plan under Best-Case Climate Change Scenario	Recommended Plan under Worst-Case Climate Change Scenario
RT-22 Mouth of Root River at Lake Michigan	Fecal Coliform Bacteria (annual)	Mean (cells per 100 ml)	2835	3279	3372
		Percent compliance with single sample standard (<400 cells per 100 ml)	55	57	60
		Geometric mean (cells per 100 ml)	435	433	373
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	95	98	111
	Fecal Coliform Bacteria (May-September: 153 days total)	Mean (cells per 100 ml)	1402	1472	1397
		Percent compliance with single sample standard (<400 cells per 100 ml)	72	73	75
		Geometric mean (cells per 100 ml)	171	153	128
		Days of compliance with geometric mean standard (<200 cells per 100 ml)	77	83	93
	Dissolved Oxygen	Mean (mg/l)	11.11	10.90	10.75
		Median (mg/l)	11.29	10.91	10.62
		Percent compliance with dissolved oxygen standard (>5 mg/l)	100	99	99
	Total Phosphorus	Mean (mg/l)	0.0998	0.1047	0.1135
		Median (mg/l)	0.0739	0.0783	0.0854
		Percent compliance with 0.1 mg/l standard	68	66	62
		Percent compliance with 0.075 mg/l standard	53	49	44
	Total Nitrogen	Mean (mg/l)	1.19	1.16	1.18
		Median (mg/l)	1.01	1.01	1.01
	Total Suspended Solids	Mean (mg/l)	22.08	19.69	19.37
		Median (mg/l)	6.71	4.97	3.83
	Copper	Mean (mg/l)	0.0012	0.0014	0.0014
Median (mg/l)		0.0002	0.0001	0.0001	