

Appendix B.

Appendix B1. Water samples from Edgewater Park—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Type of sample	Location or beach area sampled	Depth or inland (ft)	Vertical sampling point (ft)	Date	Time	Water temperature (°C)	Specific conductance (µS/cm)	pH (standard units)	<i>Escherichia coli</i> (col/100ml)
E1	Bathing	Area 1	5	--	06/19/00	10:30	20.8	377	7.4	280
E2	Bathing	Area 2	3	--	06/19/00	10:45	20.8	377	7.4	470
E3	Bathing	Area 1	4	--	06/20/00	7:55	20.0	333	7.6	380
E4	Bathing	Area 4	5	--	06/20/00	8:10	20.0	333	7.6	120
E5	Bathing	Area 2	3	--	06/21/00	7:45	19.1	288	7.5	K 160
E6	Bathing	Area 3	3	--	06/21/00	7:55	19.1	288	7.5	80
E7	Bathing	Area 1	5	--	06/22/00	7:40	20.1	290	7.9	90
E8	Bathing	Area 2	3	--	06/22/00	7:50	20.1	290	7.9	120
E9	Bathing	Area 2	5	--	07/26/00	9:15	22.6	372	--	36
E10	Bathing	Area 3	4	--	07/26/00	9:25	22.6	372	--	90
E11	Bathing	Area 1	3	--	08/07/00	9:40	22.4	316	--	K 7,800
E12	Bathing	Area 2	4	--	08/07/00	10:00	22.4	316	--	11,000
E13	Bathing	Area 2	4	--	08/08/00	9:55	25.7	288	--	120
E14	Bathing	Area 3	4	--	08/08/00	9:50	25.7	288	--	130
E15	Bathing	Area 1	3	--	08/17/00	10:35	20.6	383	--	K 51
E16	Bathing	Area 4	4	--	08/17/00	10:55	20.6	383	--	K 48
E17	Bathing	Area 2	4	--	08/28/00	8:25	21.5	324	--	130
E18	Bathing	Area 3	4	--	08/28/00	8:20	21.5	324	--	57
E19	Bathing	Area 1	2	--	02/27/01	11:00	2.0	113	8.3	K 6
E20	Bathing	Area 3	2	--	02/27/01	11:15	2.0	107	8.3	K 15

Appendix B1. Water samples from Edgewater Park—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001— Continued

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Depth to interstitial water (in.)	Turbidity (NTU)	Wave-height class (ft)	Oxygen, dissolved (mg/L)	Number of bathers	Number of birds	Total nitrogen	Suspended sediment (mg/L)	
								Bottle 1	Bottle 2
E1	--	17	1	--	1	0	--	--	--
E2	--	17	1	--	1	0	--	--	--
E3	--	24	1	--	0	75	--	--	--
E4	--	24	1	--	0	75	--	--	--
E5	--	17	1	--	0	30	--	--	--
E6	--	17	1	--	0	30	--	--	--
E7	--	14	--	--	0	113	--	--	--
E8	--	14	--	--	0	113	--	--	--
E9	--	4.4	1	--	10	125	--	--	--
E10	--	4.3	1	--	10	125	--	--	--
E11	--	18	2	--	0	150	--	--	--
E12	--	16	2	--	0	150	--	--	--
E13	--	4.4	1	--	1	7	--	--	--
E14	--	4.0	1	--	1	7	--	--	--
E15	--	7.1	1	--	0	200	--	--	--
E16	--	11	1	--	0	200	--	--	--
E17	--	--	2	--	0	200	--	--	--
E18	--	--	2	--	0	200	--	--	--
E19	--	19	2	--	0	200	--	--	--
E20	--	24	2	--	0	200	--	--	--

Appendix B1. Water samples from Edgewater Park—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001—Continued

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Type of sample	Location or beach area sampled	Depth or inland (ft)	Vertical sampling point (ft)	Date	Time	Water temperature (°C)	Specific conductance (µS/cm)	pH (standard units)	<i>Escherichia coli</i> (col/100ml)
E21	Bathing	Area 1	5	--	06/27/01	9:15	21.8	317	8.3	20
E22	Bathing	Area 3	3	--	06/27/01	9:30	21.6	310	8.4	K 8
E23	Bathing	Area 3	4	--	06/27/01	9:32	21.7	319	8.3	K 10
E24	Bathing	Area 3	5	--	06/27/01	9:33	22.3	311	8.4	K 8
E25	Bathing	Area 3	7	--	06/27/01	9:57	22.0	310	8.5	K 3
E26	Bathing	Area 3	6, 18" AB	--	06/27/01	9:52	21.7	299	8.5	K 21
E27	Bathing	Area 3	6, 18" BW	--	06/27/01	9:54	22.0	314	8.5	K 3
E28	Bathing	Area 4	5	--	06/27/01	10:30	22.2	326	8.3	K 8
E29	Bathing	Area 5	5	--	06/27/01	10:40	22.4	317	8.4	K 5
E30	Bathing	Area 6	5	--	06/27/01	10:48	22.3	310	8.4	K 3
E31	Bathing	Area 1	5	--	06/28/01	10:05	23.2	329	8.6	K 13
E32	Bathing	Area 3	3	--	06/28/01	9:25	22.1	331	8.6	K 4
E33	Bathing	Area 3	4	--	06/28/01	9:27	23.2	332	8.6	K 4
E34	Bathing	Area 3	5	--	06/28/01	9:30	22.0	332	8.7	K 3
E35	Bathing	Area 3	7	--	06/28/01	9:40	23.1	330	8.7	K 4
E36	Bathing	Area 3	6, 18" AB	--	06/28/01	9:35	23.1	332	8.7	<1
E37	Bathing	Area 3	6, 18" BW	--	06/28/01	9:37	23.1	332	8.7	K 3
E38	Bathing	Area 4	5	--	06/28/01	9:11	23.5	334	8.7	K 1
E39	Bathing	Area 5	5	--	06/28/01	9:00	22.8	330	8.7	K 3
E40	Bathing	Area 6	5	--	06/28/01	8:55	22.8	331	8.7	K 3

Appendix B1. Water samples from Edgewater Park—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001— Continued

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Depth to interstitial water (in.)	Turbidity (NTU)	Wave-height class (ft)	Oxygen, dissolved (mg/L)	Number of bathers	Number of birds	Total nitrogen	Suspended sediment (mg/L)	
								Bottle 1	Bottle 2
E21	--	2.1	1	9.6	3	75	--	3.8	3.7
E22	--	2.2	1	9.5	3	75	--	5.3	4.7
E23	--	1.9	1	9.5	3	75	--	4.2	3.1
E24	--	2.0	1	9.7	3	75	--	3.4	3.8
E25	--	1.8	1	11.2	3	75	--	3.2	3.5
E26	--	3.0	1	11.3	3	75	--	6.5	5.5
E27	--	1.6	1	10.8	3	75	--	--	--
E28	--	1.6	1	9.8	3	75	--	3.7	3.7
E29	--	1.8	1	9.8	3	75	--	3.4	5.3
E30	--	1.8	1	9.8	3	75	--	2.9	2.8
E31	--	1.8	1	9.8	10	4	--	3.1	4.0
E32	--	1.7	1	9.0	10	4	--	4.5	34.1
E33	--	1.8	1	10.3	10	4	--	5.9	3.4
E34	--	1.7	1	10.3	10	4	--	2.8	3.5
E35	--	1.8	1	10.7	10	4	--	1.9	3.2
E36	--	2.0	1	10.0	10	4	--	2.9	5.5
E37	--	1.7	1	10.6	10	4	--	3.0	8.9
E38	--	1.7	1	10.2	10	4	--	4.3	3.7
E39	--	1.7	1	9.8	10	4	--	4.2	4.5
E40	--	1.6	1	10.0	1	4	--	4.0	12.1

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[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Type of sample	Location or beach area sampled	Depth or inland (ft)	Vertical sampling point (ft)	Date	Time	Water temperature (°C)	Specific conductance (µS/cm)	pH (standard units)	<i>Escherichia coli</i> (col/100ml)
E41	Bathing	Area 1	5	--	08/04/01	9:06	--	--	--	160
E42	Bathing	Area 3	3	--	08/04/01	9:45	--	--	--	K 44
E43	Bathing	Area 3	4	--	08/04/01	9:40	--	--	--	K 56
E44	Bathing	Area 3	5	--	08/04/01	9:35	--	--	--	K 51
E45	Bathing	Area 3	6, 18" AB	--	08/04/01	9:30-	-	'--	--	K 77
E46	Bathing	Area 3	6, 18" BW	--	08/04/01	9:25	--	--	--	K 30
E47	Bathing	Area 3	7, 18" AB	--	08/04/01	9:20	--	--	--	K 44
E48	Bathing	Area 3	7, 18" BW	--	08/04/01	9:15	--	--	--	93
E49	Bathing	Area 4	5	--	08/04/01	9:11	--	--	--	K 104
E50	Bathing	Area 5	5	--	08/04/01	9:02	33.0	320	--	320
E51	Bathing	Area 6	5	--	08/04/01	8:52	33.0	270	--	280
E52	Bathing	Area 1	5	--	08/05/01	10:57	26.3	285	7.7	22
E53	Bathing	Area 3	3	--	08/05/01	9:40	26.2	285	8.2	52
E54	Bathing	Area 3	4	--	08/05/01	9:45	26.0	286	8.2	35
E55	Bathing	Area 3	5	--	08/05/01	10:30	26.1	283	8.3	31
E56	Bathing	Area 3	6, 18" AB	--	08/05/01	10:22	26.0	284	8.2	35
E57	Bathing	Area 3	6, 18" BW	--	08/05/01	10:20	26.0	285	8.2	20
E58	Bathing	Area 3	7, 18" BW	--	08/05/01	10:00	26.0	283	8.3	31
E59	Bathing	Area 3	7, 18"AB	--	08/05/01	10:03	26.0	282	8.3	21
E60	Bathing	Area 4	5	--	08/05/01	9:50	26.4	286	8.2	47

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[°C, degrees Celsius; $\mu\text{S}/\text{cm}$, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Depth to interstitial water (in.)	Turbidity (NTU)	Wave-height class (ft)	Oxygen, dissolved (mg/L)	Number of bathers	Number of birds	Total nitrogen	Suspended sediment (mg/L)	
								Bottle 1	Bottle 2
E41	--	12	3	--	1	125	--	28.3	17.9
E42	--	6.9	3	--	1	125	--	75.1	67.9
E43	--	5.2	3	--	1	125	--	11.7	9.9
E44	--	4.1	3	--	1	125	--	7.9	5.5
E45	--	7.9	3	--	1	125	--	578.6	11.5
E46	--	3.6	3	--	1	125	--	10.8	5.2
E47	--	3.4	3	--	1	125	--	44.9	10.7
E48	--	2.9	3	--	1	125	--	21.1	6.3
E49	--	11	3	--	1	125	--	15.4	16.2
E50	--	7.9	3	--	1	125	--	13.7	15.1
E51	--	5.0	3	--	--	125	--	17.7	13.3
E52	--	2.1	1	8.2	2	5	--	2.4	3.2
E53	--	2.7	1	7.5	2	5	--	8.8	3.0
E54	--	2.4	1	7.9	2	5	--	2.5	4.8
E55	--	3.1	1	7.6	2	5	--	4.1	2.7
E56	--	2.0	1	7.6	2	5	--	173.5	2.5
E57	--	1.9	1	7.4	2	5	--	2.5	1.8
E58	--	2.5	1	7.7	2	5	--	2.0	2.7
E59	--	1.8	1	7.6	2	5	--	2.2	869.2
E60	--	2.9	1	7.6	2	5	--	3.0	3.1

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Sample number	Type of sample	Location or beach area sampled	Depth or inland (ft)	Vertical sampling point (ft)	Date	Time	Water temperature (°C)	Specific conductance (µS/cm)	pH (standard units)	<i>Escherichia coli</i> (col/100ml)
E61	Bathing	Area 5	5	--	08/05/01	8:45	26.3	292	8.1	45
E62	Bathing	Area 6	5	--	08/05/01	8:30	26.4	291	8.1	62
E63	Bathing	Area 1	5	--	08/06/01	10:36	26.3	298	8.3	30
E64	Bathing	Area 3	3	--	08/06/01	10:28	26.3	298	8.4	44
E65	Bathing	Area 3	4	--	08/06/01	10:27	26.3	300	8.4	56
E66	Bathing	Area 3	5	--	08/06/01	10:25	26.2	297	8.4	42
E67	Bathing	Area 3	6, 18" AB	--	08/06/01	9:25	26.0	298	8.3	32
E68	Bathing	Area 3	6, 18" BW	--	08/06/01	9:20	25.9	299	8.3	49
E69	Bathing	Area 3	7, 18" AB	--	08/06/01	9:30	25.9	298	8.3	24
E70	Bathing	Area 3	7, 18" BW	--	08/06/01	9:35	26.0	299	8.3	22
E71	Bathing	Area 4	5	--	08/06/01	10:02	26.1	301	8.3	20
E72	Bathing	Area 5	5	--	08/06/01	10:07	26.2	303	8.4	24
E73	Bathing	Area 6	5	--	08/06/01	10:11	26.1	303	8.4	33
E74	Interstitial	Area 1	3	--	08/17/00	10:50	17.7	353	--	<33
E75	Interstitial	Area 1	6	--	08/17/00	10:55	18.3	347	--	K 160
E76	Interstitial	Area 4	3	--	08/17/00	11:15	18.2	346	--	1,000
E77	Interstitial	Area 4	6	--	08/17/00	11:20	19.0	384	--	4,100
E78	Interstitial	Area 1	3	--	02/27/01	11:30	1.0	129	8.4	4,400
E79	Interstitial	Area 1	6	--	02/27/01	11:45	1.0	142	8.2	3,700
E80	Interstitial	Area 3	3	--	02/27/01	12:00	1.0	139	8.1	K 6500
E81	Interstitial	Area 3	6	--	02/27/01	12:15	1.0	140	8.2	160

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Sample number	Depth to interstitial water (in.)	Turbidity (NTU)	Wave-height class (ft)	Oxygen, dissolved (mg/L)	Number of bathers	Number of birds	Total nitrogen	Suspended sediment (mg/L)	
								Bottle 1	Bottle 2
E61	--	2.9	1	7.2	2	5	--	2.9	3.0
E62	--	4.9	1	7.3	2	5	--	5.4	5.2
E63	--	1.4	1	8.1	1	225	--	2.2	2.9
E64	--	1.7	1	7.8	1	225	--	2.6	2.1
E65	--	1.7	1	8.4	1	225	--	2.5	2.3
E66	--	1.8	1	7.9	1	225	--	1.9	4.3
E67	--	1.4	1	7.4	1	225	--	2.2	2.4
E68	--	1.5	1	7.6	1	225	--	548.9	--
E69	--	1.6	1	7.5	1	225	--	3.8	299.9
E70	--	1.5	1	7.6	1	225	--	1.9	3.8
E71	--	1.6	1	7.9	1	225	--	2.5	1.8
E72	--	1.5	1	7.9	1	225	--	2.7	2.3
E73	--	1.8	1	8.4	1	225	--	2.3	2.3
E74	7.3	74	1	--	0	200	--	--	--
E75	10.0	76	1	--	0	200	--	--	--
E76	11.5	97	1	--	0	200	--	--	--
E77	16.3	59	1	--	0	200	--	--	--
E78	4.0	100	2	--	0	200	--	--	--
E79	5.0	31	2	--	0	200	--	--	--
E80	3.0	17	2	--	0	200	--	--	--
E81	4.0	37	2	--	0	200	--	--	--

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[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Type of sample	Location or beach area sampled	Depth or inland (ft)	Vertical sampling point (ft)	Date	Time	Water temperature (°C)	Specific conductance (µS/cm)	pH (standard units)	<i>Escherichia coli</i> (col/100ml)
E82	Interstitial	Area 1	3	--	06/27/01	8:57	23.2	394	--	1,200
E83	Interstitial	Area 1	6	--	06/27/01	9:07	22.7	415	--	K 21,000
E84	Interstitial	Area 3	3	--	06/27/01	9:30	22.7	608	--	<3
E85	Interstitial	Area 3	6	--	06/27/01	9:36	22.5	600	--	220
E86	Interstitial	Area 4	3	--	06/27/01	10:00	24.7	395	--	1,400
E87	Interstitial	Area 4	6	--	06/27/01	9:56	24.0	477	--	14,000
E88	Interstitial	Area 1	3	--	06/28/01	7:50	23.5	323	--	670
E89	Interstitial	Area 1	6	--	06/28/01	7:53	23.1	620	--	1,800
E90	Interstitial	Area 3	3	--	06/28/01	8:15	23.3	480	--	3,500
E91	Interstitial	Area 3	6	--	06/28/01	8:27	23.7	548	--	3,400
E92	Interstitial	Area 4	3	--	06/28/01	8:40	24.0	483	--	490
E93	Interstitial	Area 4	6	--	06/28/01	8:45	24.5	546	--	K 67,000
E94	Interstitial	Area 1	3	--	08/04/01	7:45	24.9	619	--	K 71,000
E95	Interstitial	Area 1	6	--	08/04/01	7:53	24.5	817	--	670
E96	Interstitial	Area 3	3	--	08/04/01	8:07	25.1	519	--	2,325
E97	Interstitial	Area 3	6	--	08/04/01	8:15	25.0	546	--	K 73,000
E98	Interstitial	Area 4	3	--	08/04/01	8:38	25.4	450	--	470
E99	Interstitial	Area 4	6	--	08/04/01	8:45	25.1	356	--	K 380
E100	Interstitial	Area 1	3	--	08/05/01	8:20	25.1	515	--	1,300
E101	Interstitial	Area 1	6	--	08/05/01	8:45	24.6	849	--	23,000
E102	Interstitial	Area 3	3	--	08/05/01	8:55	26.6	330	--	39,000

Appendix B1. Water samples from Edgewater Park—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001— Continued

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Depth to interstitial water (in.)	Turbidity (NTU)	Wave-height class (ft)	Oxygen, dissolved (mg/L)	Number of bathers	Number of birds	Total nitrogen	Suspended sediment (mg/L)	
								Bottle 1	Bottle 2
E82	10.2	27	1	--	3	75	--	--	--
E83	14.2	50	1	--	3	75	--	--	--
E84	14.5	49	1	--	3	75	--	--	--
E85	16.3	84	1	--	3	75	--	--	--
E86	7.0	78	1	--	3	75	--	--	--
E87	9.0	55	1	--	3	75	--	--	--
E88	7.0	23	1	--	10	75	0.24	--	--
E89	9.0	15	1	--	10	75	0.80	--	--
E90	8.6	23	1	--	10	75	0.99	--	--
E91	13.5	100	1	--	10	75	1.6	--	--
E92	8.5	32	1	--	10	75	2.0	--	--
E93	9.8	66	1	--	10	75	1.2	--	--
E94	11.5	39	3	--	1	125	--	--	--
E95	15.5	91	3	--	1	125	--	--	--
E96	13.0	92	3	--	1	125	--	--	--
E97	16.2	120	3	--	1	125	--	--	--
E98	10.5	94	3	--	1	125	--	--	--
E99	11.0	96	3	--	1	125	--	--	--
E100	11.5	46	1	--	2	5	0.66	--	--
E101	15.0	91	1	--	2	5	5.9	--	--
E102	12.5	50	1	--	2	5	0.27	--	--

Appendix B1. Water samples from Edgewater Park—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001—Continued

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Type of sample	Location or beach area sampled	Depth or inland (ft)	Vertical sampling point (ft)	Date	Time	Water temperature (°C)	Specific conductance (µS/cm)	pH (standard units)	<i>Escherichia coli</i> (col/100ml)
E103	Interstitial	Area 3	6	--	08/05/01	9:10	26.0	599	--	K 110,000
E104	Interstitial	Area 4	3	--	08/05/01	9:35	24.9	313	--	1,500
E105	Interstitial	Area 4	6	--	08/05/01	9:40	25.7	319	--	1,600
E106	Interstitial	Area 1	3	--	08/06/01	8:40	26.5	334	--	870
E107	Interstitial	Area 1	6	--	08/06/01	8:45	26.0	505	--	4,000
E108	Interstitial	Area 3	3	--	08/06/01	9:15	26.1	320	--	K 350
E109	Interstitial	Area 3	6	--	08/06/01	9:20	26.0	535	--	8,000
E110	Interstitial	Area 4	3	--	08/06/01	9:50	26.0	314	--	1,300
E111	Outside bathing	Area 1	11	3	06/20/00	9:45	19.7	294	--	150
E112	Outside bathing	Area 1	11	6	06/20/00	9:40	19.5	292	--	240
E113	Outside bathing	Area 1	11	9	06/20/00	9:30	19.4	290	--	240
E114	Outside bathing	Area 4	10	3	06/20/00	10:20	19.6	291	--	190
E115	Outside bathing	Area 4	10	6	06/20/00	10:15	19.6	289	--	K 180
E116	Outside bathing	Area 4	10	9	06/20/00	10:10	19.4	284	--	220
E117	Outside bathing	Area 1	9	3	06/22/00	9:00	20.2	283	--	K 30
E118	Outside bathing	Area 1	9	6	06/22/00	9:05	20.2	284	--	K 26
E119	Outside bathing	Area 1	9	9	06/22/00	9:10	20.2	283	--	K 38
E120	Outside bathing	Area 3	9	3	06/22/00	9:25	20.2	284	--	K 20
E121	Outside bathing	Area 3	9	6	06/22/00	9:22	20.2	284	--	K 30
E122	Outside bathing	Area 3	9	9	06/22/00	9:20	20.2	284	--	K 30

Appendix B1. Water samples from Edgewater Park—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001— Continued

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Depth to interstitial water (in.)	Turbidity (NTU)	Wave-height class (ft)	Oxygen, dissolved (mg/L)	Number of bathers	Number of birds	Total nitrogen	Suspended sediment (mg/L)	
								Bottle 1	Bottle 2
E103	18.0	170	1	--	2	5	0.75	--	--
E104	5.0	72	1	--	2	5	0.24	--	--
E105	8.0	63	1	--	2	5	0.22	--	--
E106	7.3	49	1	--	2	225	--	--	--
E107	12.0	23	1	--	2	225	--	--	--
E108	6.8	66	1	--	2	225	--	--	--
E109	12.5	68	1	--	2	225	--	--	--
E110	7.0	56	1	--	2	225	--	--	--
E111	--	19	1	--	0	75	--	14.3	15.5
E112	--	22	1	--	0	75	--	18.4	18.2
E113	--	23	1	--	0	75	--	22.1	28.6
E114	--	21	1	--	0	75	--	14.5	14.1
E115	--	18	1	--	0	75	--	18.1	19.4
E116	--	16	1	--	0	75	--	16.2	16.0
E117	--	12	--	--	0	113	--	--	18.5
E118	--	11	--	--	0	113	--	12.5	11.2
E119	--	12	--	--	0	113	--	11.5	11.4
E120	--	11	--	--	0	113	--	11.9	12.0
E121	--	11	--	--	0	113	--	14.8	11.8
E122	--	11	--	--	0	113	--	15.6	13.5

Appendix B1. Water samples from Edgewater Park—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001—Continued

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Type of sample	Location or beach area sampled	Depth or inland (ft)	Vertical sampling point (ft)	Date	Time	Water temperature (°C)	Specific conductance (µS/cm)	pH (standard units)	<i>Escherichia coli</i> (col/100ml)
E123	Outside bathing	Area 1	8	2	08/29/00	14:00	23.5	289	8.2	K 9
E124	Outside bathing	Area 1	8	4	08/29/00	14:03	22.7	282	8.1	K 8
E125	Outside bathing	Area 1	8	7	08/29/00	14:06	22.6	282	8.1	K 3
E126	Outside bathing	Area 2	10	--	08/29/00	14:20	--	--	--	K 2
E127	Outside bathing	Area 3	9	--	08/29/00	14:15	--	--	--	K 7
E128	Outside bathing	Area 4	9	2	08/29/00	14:10	23.0	282	7.9	K 4
E129	Outside bathing	Area 4	9	5	08/29/00	14:12	22.6	282	8.0	K 7
E130	Outside bathing	Area 4	9	7	08/29/00	14:14	22.5	282	8.0	K 6
E131	Outside bathing	Area 3	10	--	06/27/01	10:00	22.0	318	8.5	K 5
E132	Outside bathing	Area 3	10	--	06/28/01	9:50	23.0	329	8.7	K 2
E133	Outside bathing	Area 3	9, 18" AB	--	08/05/01	9:50	25.0	284	8.2	32
E134	Outside bathing	Area 3	9, 18" BW	--	08/05/01	9:55	25.1	283	8.2	K 15
E135	Outside bathing	Area 3	9, 18" AB	--	08/06/01	9:40	25.9	298	8.3	26
E136	Outside bathing	Area 3	9, 18" BW	--	08/06/01	9:45	26.0	298	8.3	26

Appendix B1. Water samples from Edgewater Park—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001— Continued

[°C, degrees Celsius; $\mu\text{S}/\text{cm}$, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Depth to interstitial water (in.)	Turbidity (NTU)	Wave-height class (ft)	Oxygen, dissolved (mg/L)	Number of bathers	Number of birds	Total nitrogen	Suspended sediment (mg/L)	
								Bottle 1	Bottle 2
E123	--	3.3	1	8.9	30	--	--	6.5	--
E124	--	2.6	1	8.4	30	--	--	5.6	--
E125	--	3.1	1	8.2	30	--	--	6.7	--
E126	--	2.5	1	--	30	--	--	--	--
E127	--	2.4	1	--	--	--	--	--	--
E128	--	2.9	1	8.8	30	--	--	7.1	--
E129	--	2.8	1	8.5	30	--	--	6.3	--
E130	--	3.6	1	8.3	30	--	--	5.4	--
E131	--	1.7	--	11.0	3	75	--	3.3	4.2
E132	--	1.6	--	10.7	5	0	--	4.6	2.5
E133	--	2.1	1	7.6	2	5	--	2.3	2.0
E134	--	1.7	1	7.6	2	5	--	1.3	1.7
E135	--	1.5	1	7.6	1	225	--	2.9	8.0
E136	--	1.4	1	7.8	1	225	--	2.4	2.6

Appendix B2. Water samples from Huntington Reservation—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Type of sample	Location or beach area sampled	Depth or inland (ft)	Vertical sampling point (ft)	Date	Time	Water temperature (°C)	Specific conductance (µS/cm)	pH (standard units)	<i>Escherichia coli</i> (col/100ml)
H1	Bathing	Area 2	5	--	06/19/00	12:15	23.5	297	7.8	500
H2	Bathing	Area 4	4	--	06/19/00	12:10	23.5	297	7.8	K 580
H3	Bathing	Area 1	4	--	06/20/00	11:10	20.6	307	--	330
H4	Bathing	Area 4	5	--	06/20/00	11:20	20.6	307	--	200
H5	Bathing	Area 1	5	--	06/21/00	9:40	18.6	273	7.6	350
H6	Bathing	Area 3	3	--	06/21/00	10:00	18.6	273	7.6	140
H7	Bathing	Area 2	3	--	07/26/00	7:30	22.0	274	--	38
H8	Bathing	Area 3	3	--	07/26/00	7:35	22.0	274	--	49
H9	Bathing	Area 2	3	--	08/07/00	7:45	22.7	277	--	K 210
H10	Bathing	Area 4	3	--	08/07/00	8:20	22.7	277	--	240
H11	Bathing	Area 2	3	--	08/08/00	7:50	22.4	283	--	K 50
H12	Bathing	Area 3	4	--	08/08/00	8:00	22.4	283	--	K 50
H13	Bathing	Area 1	3	--	08/17/00	9:15	21.8	290	--	70
H14	Bathing	Area 3	3	--	08/17/00	8:40	21.8	290	--	K 64
H15	Bathing	Area 2	3	--	08/28/00	7:23	21.3	319	--	240
H16	Bathing	Area 3	4	--	08/28/00	7:28	21.3	319	--	67
H17	Interstitial	Area 2	3	--	06/19/00	12:30	24.0	360	--	1,100
H18	Interstitial	Area 2	6	--	06/19/00	12:30	23.0	370	--	17,000
H19	Interstitial	Area 1	3	--	06/21/00	9:45	21.0	382	--	730
H20	Interstitial	Area 1	6	--	06/21/00	9:50	21.5	345	--	900

Appendix B2. Water samples from Huntington Reservation—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001— Continued

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Depth to interstitial water (in.)	Turbidity (NTU)	Wave-height class (ft)	Oxygen, dissolved (mg/L)	Number of bathers	Number of birds	Total nitrogen	Suspended sediment (mg/L)	
								Bottle 1	Bottle 2
H1	--	30	1	--	3	0	--	--	--
H2	--	30	1	--	3	0	--	--	--
H3	--	44	1	--	17	0	--	--	--
H4	--	44	1	--	17	0	--	--	--
H5	--	24	1	--	0	0	--	--	--
H6	--	24	1	--	0	0	--	--	--
H7	--	7.1	1	--	0	22	--	--	--
H8	--	11	1	--	0	22	--	--	--
H9	--	5.6	2	--	0	100	--	--	--
H10	--	5.4	2	--	0	100	--	--	--
H11	--	4.4	1	--	0	150	--	--	--
H12	--	4.0	1	--	0	150	--	--	--
H13	--	32	3	--	0	22	--	--	--
H14	--	28	3	--	0	22	--	--	--
H15	--	--	2	--	0	35	--	--	--
H16	--	--	2	--	0	35	--	--	--
H17	2.4	--	1	--	3	0	--	--	--
H18	3.0	--	1	--	3	0	--	--	--
H19	4.0	--	1	--	0	0	--	--	--
H20	9.2	--	1	--	0	0	--	--	--

Appendix B2. Water samples from Huntington Reservation—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001— Continued

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Type of sample	Location or beach area sampled	Depth or inland (ft)	Vertical sampling point (ft)	Date	Time	Water temperature (°C)	Specific conductance (µS/cm)	pH (standard units)	<i>Escherichia coli</i> (col/100ml)
H21	Interstitial	Area 2	3	--	07/26/00	7:50	21.0	290	--	K 120
H22	Interstitial	Area 2	6	--	07/26/00	8:00	22.0	296	--	K 91
H23	Interstitial	Area 2	3	--	08/07/00	8:15	22.7	335	--	4,800
H24	Interstitial	Area 2	6	--	08/07/00	8:15	22.7	299	--	2,000
H25	Interstitial	Area 4	3	--	08/07/00	8:30	22.7	369	--	1,200
H26	Interstitial	Area 4	6	--	08/07/00	8:30	22.7	320	--	1,800
H27	Interstitial	Area 1	3	--	08/17/00	9:25	18.4	358	--	K 67
H28	Interstitial	Area 1	6	--	08/17/00	9:29	19.6	345	--	670
H29	Interstitial	Area 3	3	--	08/17/00	8:53	18.8	375	--	K 210
H30	Interstitial	Area 3	6	--	08/17/00	9:02	18.7	429	--	K 330
H31	Outside bathing	Area 2	8	--	06/20/00	10:55	--	--	--	340
H32	Outside bathing	Area 4	10	--	06/20/00	10:45	20.2	296	--	450

Appendix B2. Water samples from Huntington Reservation—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001— Continued

[°C, degrees Celsius; $\mu\text{S}/\text{cm}$, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Depth to interstitial water (in.)	Turbidity (NTU)	Wave-height class (ft)	Oxygen, dissolved (mg/L)	Number of bathers	Number of birds	Total nitrogen	Suspended sediment (mg/L)	
								Bottle 1	Bottle 2
H21	6.1	130	1	--	0	22	--	--	--
H22	9.1	190	1	--	0	22	--	--	--
H23	7.1	120	2	--	0	100	--	--	--
H24	8.3	110	2	--	0	100	--	--	--
H25	12.0	350	2	--	0	100	--	--	--
H26	13.5	190	2	--	0	100	--	--	--
H27	6.3	92	3	--	0	22	--	--	--
H28	9.5	130	3	--	0	22	--	--	--
H29	5.3	130	3	--	0	22	--	--	--
H30	8.5	82	3	--	0	22	--	--	--
H31	--	--	1	--	17	0	--	--	--
H32	--	--	1	--	17	0	--	--	--

Appendix B3. Water samples from Villa Angela—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Type of sample	Location or beach area sampled	Depth or inland (ft)	Vertical sampling point (ft)	Date	Time	Water temperature (°C)	Specific conductance (µS/cm)	pH (standard units)	<i>Escherichia coli</i> (col/100ml)
V1	Bathing	Area 1	4	--	06/19/00	14:10	22.5	288	7.7	K 57
V2	Bathing	Area 3	5	--	06/19/00	14:20	22.5	288	7.7	80
V3	Bathing	Area 2	4	--	06/21/00	11:20	21.3	309	8.0	1,100
V4	Bathing	Area 4	4	--	06/21/00	11:10	21.3	309	8.0	100
V5	Bathing	Area 3	4	--	06/22/00	10:55	21.2	322	8.1	140
V6	Bathing	Area 4	4	--	06/22/00	11:00	21.2	322	8.1	210
V7	Bathing	Area 2	4	--	07/26/00	11:55	23.3	250	--	K 5
V8	Bathing	Area 4	3	--	07/26/00	11:50	23.3	250	--	23
V9	Bathing	Area 2	4	--	08/07/00	11:05	23.3	308	--	1,900
V10	Bathing	Area 4	4	--	08/07/00	11:15	23.3	308	--	1,900
V11	Bathing	Area 2	4	--	08/08/00	8:55	24.7	287	--	220
V12	Bathing	Area 5	4	--	08/08/00	9:00	24.7	287	--	160
V13	Bathing	Area 1	3	--	08/17/00	12:35	19.5	313	--	K 32
V14	Bathing	Area 3	3	--	08/17/00	12:20	19.5	313	--	K 38
V15	Bathing	Area 2	4	--	08/28/00	9:10	22.7	294	--	K 11
V16	Bathing	Area 5	4	--	08/28/00	9:15	22.7	294	--	21
V17	Interstitial	Area 3	3	--	06/19/00	14:30	19.5	319	--	K 690
V18	Interstitial	Area 3	6	--	06/19/00	14:30	21.0	325	--	K 86,000
V19	Interstitial	Area 4	3	--	06/21/00	11:20	22.0	358	--	2,800
V20	Interstitial	Area 4	6	--	06/21/00	11:30	21.5	392	--	K 690
V21	interstitial	Area 4	3	--	07/26/00	12:10	25.0	279	--	K 280

Appendix B3. Water samples from Villa Angela—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001— Continued

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Depth to interstitial water (in.)	Turbidity (NTU)	Wave-height class (ft)	Oxygen, dissolved (mg/L)	Number of bathers	Number of birds	Total nitrogen	Suspended sediment (mg/L)	
								Bottle 1	Bottle 2
V1	--	9.7	1	--	10	0	--	--	--
V2	--	9.7	1	--	10	0	--	--	--
V3	--	14	3	--	0	0	--	--	--
V4	--	14	3	--	0	0	--	--	--
V5	--	16	--	--	10	0	--	--	--
V6	--	16	--	--	10	0	--	--	--
V7	--	1.6	1	--	20	3	--	--	--
V8	--	1.9	1	--	20	3	--	--	--
V9	--	19	3	--	0	0	--	--	--
V10	--	17	3	--	0	0	--	--	--
V11	--	3.3	1	--	1	30	--	--	--
V12	--	1.9	1	--	1	30	--	--	--
V13	--	4.5	1	--	0	100	--	--	--
V14	--	4.2	1	--	0	100	--	--	--
V15	--	--	1	--	0	70	--	--	--
V16	--	--	1	--	0	70	--	--	--
V17	9.6	--	1	--	10	0	--	--	--
V18	14.4	--	1	--	10	0	--	--	--
V19	18.0	--	3	--	0	0	--	--	--
V20	22.8	--	3	--	0	0	--	--	--
V21	4.3	100	1	--	20	3	--	--	--

Appendix B3. Water samples from Villa Angela—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001— Continued

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Type of sample	Location or beach area sampled	Depth or inland (ft)	Vertical sampling point (ft)	Date	Time	Water temperature (°C)	Specific conductance (µS/cm)	pH (standard units)	<i>Escherichia coli</i> (col/100ml)
V22	Interstitial	Area 4	6	--	07/26/00	12:10	25.3	287	--	K 170
V23	Interstitial	Area 2	3	--	08/07/00	11:20	23.2	393	--	K 110,000
V24	Interstitial	Area 4	3	--	08/07/00	11:35	23.2	667	--	61,000
V25	Interstitial	Area 1	3	--	08/17/00	12:45	18.2	327	--	290
V26	Interstitial	Area 1	6	--	08/17/00	12:50	18.6	339	--	3,500
V27	Interstitial	Area 3	3	--	08/17/00	12:22	17.5	611	--	2,400
V28	Interstitial	Area 3	6	--	08/17/00	12:28	19.8	377	--	670
V29	Outside bathing	Area 2	10	--	06/22/00	10:30	20.8	310	--	200
V30	Outside bathing	Area 5	10	--	06/22/00	10:15	20.9	319	--	200
V31	Outside bathing	Area 1		--	08/29/00	15:15	23.3	292	--	K 5
V32	Outside bathing	Area 2	10	--	08/29/00	15:20	23.3	292	8.4	K 1
V33	Outside bathing	Area 4	10	--	08/29/00	15:10	23.3	292	8.4	K 3
V34	Outside bathing	Area 5	10	--	08/29/00	15:05	23.3	292	8.4	<1

Appendix B3. Water samples from Villa Angela—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001— Continued

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Depth to interstitial water (in.)	Turbidity (NTU)	Wave-height class (ft)	Oxygen, dissolved (mg/L)	Number of bathers	Number of birds	Total nitrogen	Suspended sediment (mg/L)	
								Bottle 1	Bottle 2
V22	11.3	340	1	--	20	3	--	--	--
V23	19.3	580	3	--	0	0	--	--	--
V24	21.7	610	3	--	0	0	--	--	--
V25	7.5	160	1	--	0	100	--	--	--
V26	11.3	170	1	--	0	100	--	--	--
V27	6.3	150	1	--	0	100	--	--	--
V28	13.0	130	1	--	0	100	--	--	--
V29	--	13	--	--	10	0	--	--	--
V30	--	14	--	--	10	0	--	--	--
V31	--	2.2	1	--	--	--	--	--	--
V32	--	2.2	1	9.6	15	--	--	--	--
V33	--	2.6	1	9.6	15	--	--	--	--
V34	--	1.8	1	9.6	15	--	--	--	--

Appendix B4. Water samples from Mosquito Lake—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Type of sample	Location or beach area sampled	Depth or inland (ft)	Vertical sampling point (ft)	Date	Time	Water temperature (°C)	Specific conductance (µS/cm)	pH (standard units)	<i>Escherichia coli</i> (col/100ml)
M1	Bathing	Area 1	3	--	06/05/00	9:15	19.6	299	--	62
M2	Bathing	Area 3	4	--	06/05/00	9:25	19.6	299	--	26
M3	Bathing	Area 2	6	--	06/06/00	7:50	18.8	298	--	130
M4	Bathing	Area 3	4	--	06/06/00	8:10	18.8	298	--	180
M5	Bathing	Area 1	5	--	06/07/00	9:10	17.3	301	--	41
M6	Bathing	Area 2	3	--	06/07/00	9:23	17.3	301	--	54
M7	Bathing	Area 1	3	--	06/08/00	8:05	19.5	269	--	39
M8	Bathing	Area 3	6	--	06/08/00	8:10	19.5	269	--	K 11
M9	Bathing	Area 1	3	--	07/31/00	8:15	23.4	298	--	210
M10	Bathing	Area 2	5	--	07/31/00	8:26	23.4	298	--	30
M11	Bathing	Area 2	4	--	08/01/00	7:07	23.5	299	--	270
M12	Bathing	Area 3	4	--	08/01/00	7:15	23.5	299	--	320
M13	Bathing	Area 1	4	--	08/02/00	7:40	23.5	299	--	140
M14	Bathing	Area 3	3	--	08/02/00	8:20	23.5	299	--	110
M15	Bathing	Area 2	5	--	08/03/00	7:12	23.0	--	--	150
M16	Bathing	Area 3	3	--	08/03/00	7:18	23.0	--	--	44
M17	Bathing	Area 1	3	--	08/30/00	7:40	21.5	310	--	230
M18	Bathing	Area 2	5	--	08/30/00	8:05	21.5	310	--	250
M19	Bathing	Area 3	3	--	08/30/00	8:10	21.5	310	--	240
M20	Bathing	Area 1	2	--	02/27/01	7:30	3.0	121	7.9	K 2
M21	Bathing	Area 3	2	--	02/27/01	7:45	3.0	109	7.9	K 2

Appendix B4. Water samples from Mosquito Lake—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001— Continued

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Depth to interstitial water (in.)	Turbidity (NTU)	Wave-height class (ft)	Oxygen, dissolved (mg/L)	Number of bathers	Number of birds	Total nitrogen	Suspended sediment (mg/L)	
								Bottle 1	Bottle 2
M1	--	5.6	1	--	0	1	--	--	--
M2	--	5.6	1	--	0	1	--	--	--
M3	--	9.6	1	--	0	29	--	--	--
M4	--	9.6	1	--	0	29	--	--	--
M5	--	11	1	--	0	31	--	--	--
M6	--	11	1	--	0	31	--	--	--
M7	--	--	1	--	0	0	--	--	--
M8	--	--	1	--	0	0	--	--	--
M9	--	14	1	--	0	15	--	--	--
M10	--	14	1	--	0	15	--	--	--
M11	--	12	1	--	0	10	--	--	--
M12	--	12	1	--	0	10	--	--	--
M13	--	12	1	--	--	0	--	--	--
M14	--	11	1	--	--	0	--	--	--
M15	--	9.0	1	--	0	5	--	--	--
M16	--	8.3	1	--	0	5	--	--	--
M17	--	11	1	--	0	0	--	--	--
M18	--	12	1	--	0	0	--	--	--
M19	--	11	1	--	0	0	--	--	--
M20	--	6.0	1	--	0	5	--	--	--
M21	--	7.6	1	--	0	5	--	--	--

Appendix B4. Water samples from Mosquito Lake—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001— Continued

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Type of sample	Location or beach area sampled	Depth or inland (ft)	Vertical sampling point (ft)	Date	Time	Water temperature (°C)	Specific conductance (µS/cm)	pH (standard units)	<i>Escherichia coli</i> (col/100ml)
M22	Bathing	Area 1	3	--	06/12/01	8:00	20.6	325	--	K 8
M23	Bathing	Area 2	3	--	06/12/01	8:05	20.6	325	--	K 10
M24	Bathing	Area 3	3	--	06/12/01	8:10	20.6	325	--	K 5
M25	Bathing	Area 1	3	--	06/13/01	7:35	22.0	325	--	K 9
M26	Bathing	Area 2	3	--	06/13/01	7:40	22.0	325	--	K 9
M27	Bathing	Area 3	3	--	06/13/01	7:45	22.0	325	--	K 6
M28	Bathing	Area 1	3	--	08/28/01	8:00	24.5	342	--	K 120
M29	Bathing	Area 2	3	--	08/28/01	8:13	24.5	342	--	230
M30	Bathing	Area 3	3	--	08/28/01	8:30	24.5	342	--	K 150
M31	Interstitial	Area 1	3	--	06/05/00	10:15	16.9	352	--	K 75,000
M32	Interstitial	Area 1	6	--	06/05/00	10:20	16.3	473	--	K 60,000
M33	Interstitial	Area 3	3	--	06/05/00	10:35	17.0	390	--	4,800
M34	Interstitial	Area 3	6	--	06/05/00	10:40	16.5	504	--	6,700
M35	Interstitial	Area 1	3	--	06/07/00	7:45	14.8	356	--	120,000
M36	Interstitial	Area 1	6	--	06/07/00	7:50	14.1	460	--	29,000
M37	Interstitial	Area 3	3	--	06/07/00	8:03	14.0	398	--	K 1,200
M38	Interstitial	Area 3	6	--	06/07/00	8:07	13.9	450	--	24,000
M39	Interstitial	Area 1	3	--	07/31/00	8:45	22.5	504	--	K 290,000
M40	Interstitial	Area 1	6	--	07/31/00	8:45	22.5	500	--	1,800
M41	Interstitial	Area 2	3	--	07/31/00	9:25	22.7	468	--	59,000
M42	Interstitial	Area 2	6	--	07/31/00	9:25	22.8	588	--	K 3,300

Appendix B4. Water samples from Mosquito Lake—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001—Continued

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Depth to interstitial water (in.)	Turbidity (NTU)	Wave-height class (ft)	Oxygen, dissolved (mg/L)	Number of bathers	Number of birds	Total nitrogen	Suspended sediment (mg/L)	
								Bottle 1	Bottle 2
M22	--	6.5	1	--	0	0	--	--	--
M23	--	10	1	--	0	0	--	--	--
M24	--	4.0	1	--	0	0	--	--	--
M25	--	4.2	1	--	0	2	--	--	--
M26	--	6.1	1	--	0	2	--	--	--
M27	--	3.7	1	--	0	2	--	--	--
M28	--	36	1	--	0	0	--	--	--
M29	--	27	1	--	0	0	--	--	--
M30	--	27	1	--	0	0	--	--	--
M31	1.5	--	1	--	0	1	--	--	--
M32	4.5	--	1	--	0	1	--	--	--
M33	3.5	--	1	--	0	1	--	--	--
M34	7.0	--	1	--	0	1	--	--	--
M35	3.0	--	1	--	0	31	--	--	--
M36	6.0	--	1	--	0	31	--	--	--
M37	3.6	--	1	--	0	31	--	--	--
M38	5.4	--	1	--	0	31	--	--	--
M39	2.5	460	1	--	0	15	--	--	--
M40	4.0	760	1	--	0	15	--	--	--
M41	3.5	260	1	--	0	15	--	--	--
M42	8.0	210	1	--	0	15	--	--	--

Appendix B4. Water samples from Mosquito Lake—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001— Continued

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Type of sample	Location or beach area sampled	Depth or inland (ft)	Vertical sampling point (ft)	Date	Time	Water temperature (°C)	Specific conductance (µS/cm)	pH (standard units)	<i>Escherichia coli</i> (col/100ml)
M43	Interstitial	Area 3	3	--	07/31/00	9:35	24.3	507	--	K 570,000
M44	Interstitial	Area 3	6	--	07/31/00	9:35	23.4	622	--	12,000
M45	Interstitial	Area 1	3	--	08/02/00	7:45	21.4	732	--	K 430,000
M46	Interstitial	Area 1	6	--	08/02/00	7:45	21.5	523	--	58,000
M47	Interstitial	Area 2	3	--	08/02/00	8:15	21.9	452	--	5,400
M48	Interstitial	Area 2	6	--	08/02/00	8:15	22.4	519	--	1,700
M49	Interstitial	Area 3	3	--	08/02/00	8:25	22.0	534	--	80,000
M50	Interstitial	Area 3	6	--	08/02/00	8:25	22.6	523	--	K 2,500
M51	Interstitial	Area 1	3	--	08/30/00	7:45	20.2	620	--	38,000
M52	Interstitial	Area 1	6	--	08/30/00	7:45	20.3	689	--	5,200
M53	Interstitial	Area 3	3	--	08/30/00	8:10	20.4	647	--	400,000
M54	Interstitial	Area 1	3	--	02/27/01	8:00	1.0	125	7.8	4,600
M55	Interstitial	Area 1	6	--	02/27/01	8:15	1.0	126	7.7	19,000
M56	Interstitial	Area 3	3	--	02/27/01	9:00	1.0	139	8.1	2,500
M57	Interstitial	Area 1	3	--	06/12/01	8:05	18.8	745	--	<33
M58	Interstitial	Area 1	6	--	06/12/01	8:09	18.8	757	--	<33
M59	Interstitial	Area 2	3	--	06/12/01	8:45	18.4	652	--	1,300
M60	Interstitial	Area 2	6	--	06/12/01	8:54	18.4	625	--	K 150
M61	Interstitial	Area 3	3	--	06/12/01	9:11	19.1	619	--	<33
M62	Interstitial	Area 3	6	--	06/12/01	9:15	19.2	576	--	<33

Appendix B4. Water samples from Mosquito Lake—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001— Continued

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Depth to interstitial water (in.)	Turbidity (NTU)	Wave-height class (ft)	Oxygen, dissolved (mg/L)	Number of bathers	Number of birds	Total nitrogen	Suspended sediment (mg/L)	
								Bottle 1	Bottle 2
M43	2.3	>1000	1	--	0	15	--	--	--
M44	6.7	440	1	--	0	15	--	--	--
M45	2.0	910	1	--	--	0	--	--	--
M46	3.2	710	1	--	--	0	--	--	--
M47	3.7	330	1	--	--	0	--	--	--
M48	7.7	210	1	--	--	0	--	--	--
M49	4.0	98	1	--	--	0	--	--	--
M50	7.8	>1000	1	--	--	0	--	--	--
M51	3.3	230	1	--	0	0	--	--	--
M52	4.5	400	1	--	0	0	--	--	--
M53	4.5	250	1	--	0	0	--	--	--
M54	2.0	680	1	--	0	5	--	--	--
M55	9.0	420	1	--	0	5	--	--	--
M56	9.0	>1000	1	--	0	5	--	--	--
M57	4.5	480	1	--	0	0	--	--	--
M58	5.5	200	1	--	0	0	--	--	--
M59	3.5	570	1	--	0	0	--	--	--
M60	5.0	410	1	--	0	0	--	--	--
M61	7.0	930	1	--	0	0	--	--	--
M62	9.0	400	1	--	0	0	--	--	--

Appendix B4. Water samples from Mosquito Lake—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001— Continued

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Type of sample	Location or beach area sampled	Depth or inland (ft)	Vertical sampling point (ft)	Date	Time	Water temperature (°C)	Specific conductance (µS/cm)	pH (standard units)	<i>Escherichia coli</i> (col/100ml)
M63	Interstitial	Area 1	3	--	06/13/01	8:34	19.7	783	--	<3
M64	Interstitial	Area 1	6	--	06/13/01	8:38	19.7	835	--	K 23
M65	Interstitial	Area 2	3	--	06/13/01	8:58	19.7	620	--	K 30
M66	Interstitial	Area 2	6	--	06/13/01	9:12	19.3	620	--	1,000
M67	Interstitial	Area 3	3	--	06/13/01	9:50	20.3	556	--	<10
M68	Interstitial	Area 3	6	--	06/13/01	9:40	20.2	564	--	K 110
M69	Near shore	Docks	4	--	07/31/00	10:10	--	--	--	K 13
M70	Near shore	Lower campground	4	--	07/31/00	10:30	--	--	--	K 3
M71	Near shore	North Lakeshore	2	--	07/31/00	11:35	--	--	--	K 270
M72	Near shore	South Lakeshore	3	--	07/31/00	11:25	--	--	--	K 14
M73	Near shore	Upper campground	4	--	07/31/00	11:00	--	--	--	K 8
M74	Near shore	Docks	4	--	08/02/00	8:40	--	--	--	K 11
M75	Near shore	Lower campground	4	--	08/02/00	9:00	--	--	--	K 5
M76	Near shore	North Lakeshore	2	--	08/02/00	9:40	--	--	--	K 69
M77	Near shore	North Lakeshore	0.5	--	08/02/00	9:45	--	--	--	2,500
M78	Near shore	South Lakeshore	3	--	08/02/00	9:25	--	--	--	K 8
M79	Near shore	Upper campground	4	--	08/02/00	9:10	--	--	--	K 8
M80	Near shore	Docks	4	--	08/30/00	8:55	21.5	314	--	20
M81	Near shore	Lower campground	4	--	08/30/00	9:15	24.0	300	--	K 18
M82	Near shore	North Lakeshore	4	--	08/30/00	10:05	--	--	--	K 33

Appendix B4. Water samples from Mosquito Lake—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001— Continued

[°C, degrees Celsius; $\mu S/cm$, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Depth to interstitial water (in.)	Turbidity (NTU)	Wave-height class (ft)	Oxygen, dissolved (mg/L)	Number of bathers	Number of birds	Total nitrogen	Suspended sediment (mg/L)	
								Bottle 1	Bottle 2
M63	5.0	320	1	--	0	2	1.7	--	--
M64	7.5	160	1	--	0	2	3.9	--	--
M65	4.0	430	1	--	0	2	0.71	--	--
M66	6.0	420	1	--	0	2	0.66	--	--
M67	7.5	350	1	--	0	2	0.71	--	--
M68	8.5	550	1	--	0	2	0.73	--	--
M69	--	10	--	--	--	--	--	--	--
M70	--	--	--	--	--	--	--	--	--
M71	--	66	--	--	--	--	--	--	--
M72	--	27	--	--	--	--	--	--	--
M73	--	19	--	--	--	--	--	--	--
M74	--	13	--	--	--	--	--	--	--
M75	--	12	--	--	--	--	--	--	--
M76	--	29	--	--	--	--	--	--	--
M77	--	--	--	--	--	--	--	--	--
M78	--	31	--	--	--	--	--	--	--
M79	--	16	--	--	--	--	--	--	--
M80	--	8.2	--	--	--	--	--	--	--
M81	--	17	--	--	--	--	--	--	--
M82	--	42	--	--	--	--	--	--	--

Appendix B4. Water samples from Mosquito Lake—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001— Continued

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Type of sample	Location or beach area sampled	Depth or inland (ft)	Vertical sampling point (ft)	Date	Time	Water temperature (°C)	Specific conductance (µS/cm)	pH (standard units)	<i>Escherichia coli</i> (col/100ml)
M83	Near shore	South Lakeshore	4	--	08/30/00	9:55	23.6	320	--	K 12
M84	Near shore	Upper campground	4	--	08/30/00	9:35	22.8	306	--	K 2
M85	Offshore	Docks	9	--	06/06/00	8:55	--	--	--	K 10
M86	Offshore	Lower campground	8	--	06/06/00	9:25	--	--	--	K 2
M87	Offshore	North Lakeshore	8	--	06/06/00	9:30	--	--	--	K 4
M88	Offshore	South Lakeshore	10	--	06/06/00	9:55	--	--	--	<1
M89	Offshore	Upper campground	6	--	06/06/00	9:15	--	--	--	29
M90	Offshore	Upstream	4	--	06/06/00	9:45	--	--	--	K 2
M91	Offshore	Docks	12	--	06/08/00	8:30	--	--	--	K 9
M92	Offshore	Lower campground	6	--	06/08/00	8:35	--	--	--	K 10
M93	Offshore	North Lakeshore	7	--	06/08/00	8:50	--	--	--	K 4
M94	Offshore	South Lakeshore	5	--	06/08/00	8:45	--	--	--	22
M95	Offshore	Upper campground	8	--	06/08/00	8:40	--	--	--	K 5
M96	Offshore	Upstream	9	--	06/08/00	8:55	--	--	--	K 2
M97	Offshore	Docks	8	--	08/01/00	8:07	--	--	--	K 2
M98	Offshore	Lower campground	8	--	08/01/00	8:15	--	--	--	K 9
M99	Offshore	North Lakeshore	7	--	08/01/00	8:40	--	--	--	<2
M100	Offshore	South Lakeshore	6	--	08/01/00	9:00	--	--	--	K 2
M101	Offshore	Upper campground	7	--	08/01/00	8:25	--	--	--	K 3
M102	Offshore	Upstream	4	--	08/01/00	8:47	--	--	--	K 5

Appendix B4. Water samples from Mosquito Lake—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001— Continued

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Depth to interstitial water (in.)	Turbidity (NTU)	Wave-height class (ft)	Oxygen, dissolved (mg/L)	Number of bathers	Number of birds	Total nitrogen	Suspended sediment (mg/L)	
								Bottle 1	Bottle 2
M83	--	51	--	--	--	--	--	--	--
M84	--	16	--	--	--	--	--	--	--
M85	--	--	--	--	--	--	--	--	--
M86	--	--	--	--	--	--	--	--	--
M87	--	--	--	--	--	--	--	--	--
M88	--	--	--	--	--	--	--	--	--
M89	--	--	--	--	--	--	--	--	--
M90	--	--	--	--	--	--	--	--	--
M91	--	--	--	--	--	--	--	--	--
M92	--	--	--	--	--	--	--	--	--
M93	--	--	--	--	--	--	--	--	--
M94	--	--	--	--	--	--	--	--	--
M95	--	--	--	--	--	--	--	--	--
M96	--	--	--	--	--	--	--	--	--
M97	--	10	--	--	--	--	--	--	--
M98	--	12	--	--	--	--	--	--	--
M99	--	15	--	--	--	--	--	--	--
M100	--	17	--	--	--	--	--	--	--
M101	--	12	--	--	--	--	--	--	--
M102	--	22	--	--	--	--	--	--	--

Appendix B4. Water samples from Mosquito Lake—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001— Continued

[°C, degrees Celsius; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Type of sample	Location or beach area sampled	Depth or inland (ft)	Vertical sampling point (ft)	Date	Time	Water temperature (°C)	Specific conductance (µS/cm)	pH (standard units)	<i>Escherichia coli</i> (col/100ml)
M103	Offshore	Docks	7	--	08/03/00	7:50	--	--	--	K 6
M104	Offshore	Lower campground	6	--	08/03/00	8:09	--	--	--	K 7
M105	Offshore	North Lakeshore	6	--	08/03/00	8:24	--	--	--	K 14
M106	Offshore	South Lakeshore	5	--	08/03/00	8:18	--	--	--	K 7
M107	Offshore	Upper campground	4	--	08/03/00	8:14	--	--	--	K 20
M108	Offshore	Upstream	6	--	08/03/00	8:30	--	--	--	K 6
M109	Outside bathing	Area 2	8	--	06/06/00	8:40	--	--	--	200
M110	Outside bathing	Area 3	11	--	06/06/00	8:45	--	--	--	73
M111	Outside bathing	Area 2	5	--	06/08/00	8:20	--	--	--	360
M112	Outside bathing	Area 3	8	--	06/08/00	8:25	--	--	--	K 13
M113	Outside bathing	Area 1	4	--	08/01/00	7:52	--	--	--	K 67
M114	Outside bathing	Area 2	4	--	08/01/00	7:56	--	--	--	K 42
M115	Outside bathing	Area 3	10	--	08/01/00	7:47	--	--	--	K 26
M116	Outside bathing	Area 1	--	--	08/03/00	7:50	--	--	--	K 37
M117	Outside bathing	Area 2	4	--	08/03/00	7:56	--	--	--	33
M118	Outside bathing	Area 3	7	--	08/03/00	8:03	--	--	--	K 16
M119	Outside bathing	Area 1	4	--	08/28/01	8:05	--	--	--	K 120
M120	Outside bathing	Area 2	3	--	08/28/01	8:15	--	--	--	K 91
M121	Outside bathing	Area 3	4	--	08/28/01	8:25	--	--	--	K 140
M122	Shoreline	Docks	2	--	06/05/00	11:15	--	--	--	K 4
M123	Shoreline	Lower Campground	2	--	06/05/00	11:34	--	--	--	K 13

Appendix B4. Water samples from Mosquito Lake—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001— Continued

[°C, degrees Celsius; μS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Type of sample	Location or beach area sampled	Depth or inland (ft)	Vertical sampling point (ft)	Date	Time	Water temperature (°C)	Specific conductance (μS/cm)	pH (standard units)	<i>Escherichia coli</i> (col/100ml)
M124	Shoreline	North Lakeshore	2	--	06/05/00	12:00	--	--	--	K 330
M125	Shoreline	South Lakeshore	2	--	06/05/00	11:50	--	--	--	540
M126	Shoreline	Upper Campground	2	--	06/05/00	11:30	--	--	--	60
M127	Shoreline	Lower Campground	2	--	06/07/00	9:53	--	--	--	48
M128	Shoreline	North Lakeshore	2	--	06/07/00	10:12	--	--	--	E 1,000
M129	Shoreline	South Lakeshore	2	--	06/07/00	10:03	--	--	--	K 84
M130	Near shore	Docks	2	--	08/30/00	8:45	21.5	314	--	K 28
M131	Shoreline	Lower Campground	2	--	08/30/00	9:05	24.0	300	--	42
M132	Shoreline	North Lakeshore	2	--	08/30/00	10:00	--	--	--	440
M133	Shoreline	South Lakeshore	2	--	08/30/00	9:45	23.6	320	--	K 100
M134	Shoreline	Upper Campground	2	--	08/30/00	9:25	22.8	306	--	K 7

Appendix B4. Water samples from Mosquito Lake—physical properties, *Escherichia coli*, water quality, and environmental data collected during distribution, source, and spatial studies, 2000 and 2001— Continued

[°C, degrees Celsius; $\mu\text{S}/\text{cm}$, microsiemens per centimeter at 25°C; mg/L, milligrams per liter; col/100ml, colonies per 100 milliliters; ft, feet; NTU, nephelometric turbidity units; in., inches; K, results based on colony count outside the ideal range of 20-80 colonies per plate; A, results based on an average of two or more concentrations; E, results based on an estimated colony count; AB, above bottom; BW below water surface. Shading pattern reflects sampling dates.]

Sample number	Depth to interstitial water (in.)	Turbidity (NTU)	Wave-height class (ft)	Oxygen, dissolved (mg/L)	Number of bathers	Number of birds	Total nitrogen	Suspended sediment (mg/L)	
								Bottle 1	Bottle 2
M124	--	--	--	--	--	--	--	--	--
M125	--	--	--	--	--	--	--	--	--
M126	--	--	--	--	--	--	--	--	--
M127	--	--	--	--	--	--	--	--	--
M128	--	--	--	--	--	--	--	--	--
M129	--	--	--	--	--	--	--	--	--
M130	--	9.1	--	--	--	--	--	--	--
M131	--	27	--	--	--	--	--	--	--
M132	--	15	--	--	--	--	--	--	--
M133	--	150	--	--	--	--	--	--	--
M134	--	15	--	--	--	--	--	--	--