

Appendix D: Tabulated Water Quality Monitoring Data

		Flow Rate	pH	DO	Temperature	Fecal Coliform	<i>E. coli</i>	TKN		NH ₃ -N		NO ₂ -N		NO ₃ -N		PO ₄ ³⁻ Dissolved		TP		TSS	
Date	Station ID	cfs	S.U.	(mg/L)	deg C	col/100 ml	col/100 ml	(mg/L)		(mg/L)		(mg/L)		(mg/L)		(mg/L)		(mg/L)		(mg/L)	
5/24/2007	MB6	10.7	6.62	6.09	16.80	615	360	0.50	ND	0.50	ND	0.005	ND	1.300		0.03		0.06		19.00	
5/31/2007	MB6	3.9	7.04	6.60	18.70	2600	660	0.50	ND	0.50	ND	0.005	ND	1.100		0.03		0.05		9.00	
6/7/2007	MB6	7.6	7.20	6.30	16.40	720	570	1.10		0.50	ND	0.005	ND	1.000		0.06		0.15		2.00	ND
6/14/2007	MB6	9.3	7.35	NS	16.70	760	1200	Bacteria Sampling Only													
6/19/2007	MB6	7.8	7.02	6.57	20.40	1040	580	Bacteria Sampling Only													
6/21/2007	MB6	7.7	7.10	6.20	18.40	3900	610	0.50	ND	0.50	ND	0.005	ND	1.400		0.07		0.04		2.00	ND
6/28/2007	MB6	31.4	7.00	6.80	22.30	650	38000	Bacteria Sampling Only													
7/5/2007	MB6	33.4	7.11	8.14	19.00	4300	3700	0.50	ND	0.50	ND	0.005	ND	1.400		0.05		0.11		18.00	
7/12/2007	MB6	25.8	6.90	NS	23.10	60000	10000	Bacteria Sampling Only													
7/19/2007	MB6	27.4	4.77	7.24	22.30	11000	5300	Bacteria Sampling Only													
7/24/2007	MB6	20.3	6.76	7.57	19.60	11000	2600	Bacteria Sampling Only													
7/26/2007	MB6	20.8	7.10	7.68	21.00	627	380	Bacteria Sampling Only													
8/2/2007	MB6	19.1	7.27	7.61	21.30	587	410	0.50	ND	0.50	ND	0.005	ND	2.000		0.08		0.10		2.00	ND
8/9/2007	MB6	25.1	7.20	7.20	24.10	900	480	Bacteria Sampling Only													
8/16/2007	MB6	14.1	7.39	7.41	20.70	2500	760	0.50	ND	0.50	ND	0.005	ND	2.300		0.15		0.19		6.00	
8/23/2007	MB6	19.5	7.11	8.10	18.10	4300	560	Bacteria Sampling Only													
8/30/2007	MB6	4.3	6.75	7.77	19.50	660	380	Bacteria Sampling Only													
9/13/2007	MB6	17.1	6.90	6.09	18.20	720	490	Bacteria Sampling Only													
9/27/2007	MB6	4.4	6.85	5.70	20.10	500	210	Bacteria Sampling Only													
10/10/2007	MB6	17.4	6.49	5.66	17.70	31000	20000	0.82		0.21		0.027		1.350		0.09		0.16		11.00	
10/10/2007	MB6	5.9	7.01	7.56	17.30	27000	28000	0.99		0.21		0.024		1.350		0.09		0.16		5.00	
10/11/2007	MB6	5.9	6.36	6.35	17.90	3200	3400	0.71		0.11		0.005	ND	0.005	ND	0.06		0.01	ND	1.00	
10/25/2007	MB6	6.1	6.79	6.32	15.00	70000	1000	2.00		0.50	ND	0.005	ND	0.62		0.22		0.29		NS	
n		23	23	21	23	23	23	11		11		11		11		11		11		10	
min		3.9	4.77	5.66	15.00	500	210	0.50		0.11		0.01		0.01		0.03		0.01		1.00	
mean*		15.0	6.87	6.90	19.33	10373	5202	0.78		0.41		0.01		1.26		0.08		0.12		7.50	
max		33.4	7.39	8.14	24.10	70000	38000	2.00		0.50		0.03		2.30		0.22		0.29		19.00	
std. dev.		9.3	0.5	0.78	2.32	19115	9935	0.46		0.15		0.01		0.614		0.06		0.082		6.65	

ND indicates value is one half of the detection limit

*For fecal coliform and *E. coli*, geometric means were calculated

		Flow Rate	pH	DO	Temperature	Fecal Coliform	<i>E. coli</i>	TKN		NH ₃ -N		NO ₂ -N		NO ₃ -N		PO ₄ ³⁻ Dissolved		TP		TSS	
Date	Station ID	cfs	S.U.	(mg/L)	deg C	col/100 ml	col/100 ml	(mg/L)		(mg/L)		(mg/L)		(mg/L)		(mg/L)		(mg/L)		(mg/L)	
5/24/2007	MB5	11.9	7.04	4.98	16.70	880	400	0.50	ND	0.50	ND	0.005	ND	1.200		0.03		0.07		5.00	
5/31/2007	MB5	3.5	6.48	2.86	17.80	580	570	0.50	ND	0.50	ND	0.005	ND	1.000		0.03		0.06		2.00	ND
6/7/2007	MB5	4.7	6.70	4.30	15.80	220	550	0.50	ND	0.50	ND	0.005	ND	0.900		0.04		0.12		2.00	ND
6/14/2007	MB5	6.1	6.97	NS	16.20	800	1900	Bacteria Sampling Only													
6/19/2007	MB5	8.5	6.96	3.34	19.50	980	680	Bacteria Sampling Only													
6/21/2007	MB5	5.2	6.90	4.30	18.40	5900	2600	0.50	ND	0.50	ND	0.005	ND	1.100		0.05		0.01	ND	5.00	
6/28/2007	MB5	20.5	6.80	4.90	23.10	680	33000	Bacteria Sampling Only													
7/5/2007	MB5	29.6	6.74	4.88	20.30	5100	6000	1.00		0.50	ND	0.005	ND	0.005	ND	0.04		0.10		16.00	
7/12/2007	MB5	16.9	6.90	NS	23.10	58000	20000	Bacteria Sampling Only													
7/19/2007	MB5	16.9	6.30	5.13	21.10	3900	5700	Bacteria Sampling Only													
7/24/2007	MB5	20.2	6.35	6.13	20.00	3900	2900	Bacteria Sampling Only													
7/26/2007	MB5	20.0	6.71	6.07	21.60	1060	540	Bacteria Sampling Only													
8/2/2007	MB5	19.4	7.12	5.91	22.40	600	420	0.50	ND	0.50	ND	0.005	ND	0.005	ND	0.29		0.35		2.00	ND
8/9/2007	MB5	22.2	7.00	7.00	23.00	1680	120	Bacteria Sampling Only													
8/16/2007	MB5	15.8	7.32	6.02	20.90	740	590	0.50	ND	0.50	ND	0.005	ND	2.800		0.27		0.30		2.00	ND
8/23/2007	MB5	16.8	6.92	6.86	17.05	1220	760	Bacteria Sampling Only													
8/30/2007	MB5	2.4	6.67	5.36	19.90	124	460	Bacteria Sampling Only													
9/13/2007	MB5	16.7	6.77	5.05	17.50	660	1300	Bacteria Sampling Only													
9/27/2007	MB5	3.4	6.40	4.00	18.70	106	780	Bacteria Sampling Only													
10/10/2007	MB5	12.6	7.03	3.25	18.50	33000	33000	0.99		0.15		0.020		0.700		0.05		0.12		3.00	
10/10/2007	MB5	5.2	6.85	3.86	18.30	26000	21000	1.16		0.21		0.018		0.630		NS		0.14		NS	
10/11/2007	MB5	2.0	6.88	4.64	17.30	5200	5100	0.71		0.10		0.005	ND	1.110		0.05		0.01	ND	6.00	
10/25/2007	MB5	5.4	6.63	3.21	14.80	1100	1700	0.50	ND	0.50	ND	0.005	ND	0.01	ND	0.01		0.10		2.00	ND
n		23	23	21	23	23	23	11		11		11		11		10		11		10	
min		2.0	6.30	2.86	14.80	106	120	0.50		0.10		0.01		0.01		0.01		0.01		2.00	
mean*		12.4	6.80	4.86	19.22	6627	6090	0.67		0.41		0.01		0.86		0.09		0.12		4.50	
max		29.6	7.32	7.00	23.10	58000	33000	1.16		0.50		0.02		2.80		0.29		0.35		16.00	
std. dev.		7.8	0.25	1.19	2.44	13896	10197	0.26		0.16		0.01		0.793		0.10		0.11		4.33	

ND indicates value is one half of the detection limit

*For fecal coliform and *E. coli*, geometric means were calculated

		Flow Rate	pH	DO	Temperature	Fecal Coliform	<i>E. coli</i>	TKN		NH ₃ -N		NO ₂ -N		NO ₃ -N		PO ₄ ³⁻ Dissolved		TP		TSS	
Date	Station ID	cfs	S.U.	(mg/L)	deg C	col/100 ml	col/100 ml	(mg/L)		(mg/L)		(mg/L)		(mg/L)		(mg/L)		(mg/L)		(mg/L)	
5/24/2007	MB4	8.7	7.17	5.63	16.90	1060	410	1.01		0.50	ND	0.005	ND	1.300		0.03		0.07		8.00	
5/31/2007	MB4	2.6	6.64	3.20	18.10	620	560	0.50	ND	0.50	ND	0.005	ND	1.200		0.03		0.06		6.00	
6/7/2007	MB4	5.5	7.20	4.30	15.80	3200	760	0.50	ND	0.50	ND	0.005	ND	1.100		0.04		0.11		5.00	
6/14/2007	MB4	5.7	7.15	NS	16.10	640	890	Bacteria Sampling Only													
6/19/2007	MB4	5.8	7.03	4.80	19.60	660	630	Bacteria Sampling Only													
6/21/2007	MB4	7.8	7.20	4.50	17.80	4000	2500	0.50	ND	0.50	ND	0.005	ND	1.300		0.01		0.07		2.00	ND
6/28/2007	MB4	16.5	6.90	5.30	23.10	580	11000	Bacteria Sampling Only													
7/5/2007	MB4	24.9	6.87	6.50	20.70	3800	3800	0.50	ND	0.50	ND	0.005	ND	0.660		0.03		0.11		22.00	
7/12/2007	MB4	12.1	6.90	NS	23.20	49000	24000	Bacteria Sampling Only													
7/19/2007	MB4	12.1	6.28	6.01	22.20	3400	8000	Bacteria Sampling Only													
7/24/2007	MB4	18.5	6.93	6.15	20.10	3400	2800	Bacteria Sampling Only													
7/26/2007	MB4	18.9	6.85	6.50	21.00	1160	610	Bacteria Sampling Only													
8/2/2007	MB4	17.4	7.26	6.36	22.60	780	460	0.50	ND	0.50	ND	0.005	ND	0.660		0.29		0.35		2.00	ND
8/9/2007	MB4	22.6	7.20	5.60	23.40	1670	160	Bacteria Sampling Only													
8/16/2007	MB4	15.8	7.38	6.35	21.00	420	460	0.50	ND	0.50	ND	0.005	ND	2.900		0.26		0.03		4.00	
8/23/2007	MB4	17.8	6.91	6.96	17.40	900	680	Bacteria Sampling Only													
8/30/2007	MB4	5.6	6.58	5.12	18.60	720	310	Bacteria Sampling Only													
9/13/2007	MB4	15.3	6.92	5.30	17.90	4400	2100	Bacteria Sampling Only													
9/27/2007	MB4	2.7	6.67	4.74	18.50	410	270	Bacteria Sampling Only													
10/10/2007	MB4	9.8	5.84	4.62	18.70	20000	25000	0.87		0.14		0.019		0.800		0.05		0.11		3.00	
10/10/2007	MB4	3.4	6.98	6.35	18.60	21000	19000	0.95		0.17		0.017		0.790		0.08		0.11		19.00	
10/11/2007	MB4	1.8	6.72	4.25	17.30	4200	4000	0.76		0.11		0.005	ND	1.350		0.05		0.01	ND	11.00	
10/25/2007	MB4	5.2	6.61	3.01	14.30	1160	2200	0.50	ND	0.50	ND	0.005	ND	0.52		0.01		0.08		2.00	ND
n		23	23	21	23	23	23	11		11		11		11		11		11		11	
min		1.8	5.84	3.01	14.30	410	160	0.50		0.11		0.01		0.52		0.01		0.01		2.00	
mean*		11.1	6.88	5.31	19.26	5530	4809	0.64		0.40		0.01		1.14		0.08		0.10		7.64	
max		24.9	7.38	6.96	23.40	49000	25000	1.01		0.50		0.02		2.90		0.29		0.35		22.00	
std. dev.		6.9	0.35	1.09	2.55	10975	7606	0.21		0.17		0.01		0.654		0.10		0.09		6.98	

ND indicates value is one half of the detection limit

*For fecal coliform and *E. coli*, geometric means were calculated

		Flow Rate	pH	DO	Temperature	Fecal Coliform	<i>E. coli</i>	TKN		NH ₃ -N		NO ₂ -N		NO ₃ -N		PO ₄ ³⁻ Dissolved		TP		TSS	
Date	Station ID	cfs	S.U.	(mg/L)	deg C	col/100 ml	col/100 ml	(mg/L)		(mg/L)		(mg/L)		(mg/L)		(mg/L)		(mg/L)		(mg/L)	
5/24/2007	MB3	4.4	7.36	7.30	19.20	433	260	0.50	ND	0.50	ND	0.005	ND	1.100		0.03		0.05		2.00	
5/31/2007	MB3	1.2	7.06	4.85	21.10	840	530	0.50	ND	0.50	ND	0.005	ND	0.960		0.02		0.04		7.00	
6/7/2007	MB3	3.3	7.20	4.20	17.40	1000	540	0.50	ND	0.50	ND	0.005	ND	0.910		0.04		0.09		4.00	
6/14/2007	MB3	3.8	7.48	NS	17.40	580	740	Bacteria Sampling Only													
6/19/2007	MB3	2.3	7.28	6.70	22.30	700	660	Bacteria Sampling Only													
6/21/2007	MB3	2.5	7.50	6.40	19.40	3400	930	0.50	ND	0.50	ND	0.005	ND	0.730		0.03		0.09		13.00	
6/28/2007	MB3	7.2	7.60	7.00	25.20	120	5400	Bacteria Sampling Only													
7/5/2007	MB3	8.9	7.44	7.71	22.40	3600	4600	0.50	ND	0.50	ND	0.005	ND	0.005	ND	0.02		0.07		13.00	
7/12/2007	MB3	4.8	7.40	NS	23.20	44000	5100	Bacteria Sampling Only													
7/19/2007	MB3	4.8	6.52	6.54	23.90	2000	2000	Bacteria Sampling Only													
7/24/2007	MB3	6.5	7.21	7.71	20.80	2000	2200	Bacteria Sampling Only													
7/26/2007	MB3	1.9	6.99	6.75	22.40	760	340	Bacteria Sampling Only													
8/2/2007	MB3	1.5	7.45	6.64	23.30	310	160	0.50	ND	0.50	ND	0.005	ND	2.900		0.04		0.08		4.00	
8/9/2007	MB3	3.7	7.50	7.00	24.60	706	460	Bacteria Sampling Only													
8/16/2007	MB3	1.2	7.48	6.43	21.80	260	270	0.50	ND	0.50	ND	0.005	ND	0.560		0.01	ND	0.03		22.00	
8/23/2007	MB3	2.3	7.13	6.91	18.80	1300	860	Bacteria Sampling Only													
8/30/2007	MB3	1.3	6.80	7.87	20.30	627	580	Bacteria Sampling Only													
9/13/2007	MB3	1.9	6.87	4.63	17.50	4100	2000	Bacteria Sampling Only													
9/27/2007	MB3	0.8	6.72	4.98	19.50	420	260	Bacteria Sampling Only													
10/10/2007	MB3	3.2	6.94	5.72	20.00	7700	6600	0.74		0.09		0.008		0.260		0.01		0.06		3.00	
10/10/2007	MB3	1.3	6.99	5.22	19.90	9400	7800	0.75		0.11		0.008		0.270		0.01		0.05		2.00	
10/11/2007	MB3	0.4	6.52	6.09	17.90	870	790	0.54		0.08		0.005	ND	0.560		0.02		0.01	ND	1.00	
10/25/2007	MB3	2.2	6.67	6.32	14.40	120	560	0.50	ND	0.50	ND	0.005	ND	0.94		0.05		0.13		2.00	ND
n		23	23	21	23	23	23	11		11		11		11		11		11		11	
min		0.4	6.52	4.20	14.40	120	160	0.50		0.08		0.01		0.01		0.01		0.01		1.00	
mean*		3.1	7.14	6.33	20.55	3706	1897	0.55		0.39		0.01		0.84		0.03		0.06		6.64	
max		8.9	7.60	7.87	25.20	44000	7800	0.75		0.50		0.01		2.90		0.05		0.13		22.00	
std. dev.		2.2	0.336	1.05	2.68	9106	2294	0.10		0.19		0.00		0.766		0.01		0.034		6.64	

ND indicates value is one half of the detection limit

*For fecal coliform and *E. coli*, geometric means were calculated

		Flow Rate	pH	DO	Temperature	Fecal Coliform	<i>E. coli</i>	TKN		NH ₃ -N		NO ₂ -N		NO ₃ -N		PO ₄ ³⁻ Dissolved		TP		TSS	
Date	Station ID	cfs	S.U.	(mg/L)	deg C	col/100 ml	col/100 ml	(mg/L)		(mg/L)		(mg/L)		(mg/L)		(mg/L)		(mg/L)		(mg/L)	
5/24/2007	MB2	1.5	7.28	6.95	20.50	280	170	0.50	ND	0.50	ND	0.005	ND	1.100		0.03		0.06		7.00	
5/31/2007	MB2	0.8	7.42	4.90	23.50	2000	680	0.50	ND	0.50	ND	0.005	ND	1.000		0.02		0.05		16.00	
6/7/2007	MB2	0.9	6.60	6.30	19.60	2100	190	0.50	ND	0.50	ND	0.005	ND	0.800		0.03		0.11		11.00	
6/14/2007	MB2	3.0	8.20	NS	19.50	4400	460	Bacteria Sampling Only													
6/19/2007	MB2	1.6	7.89	7.43	24.60	480	620	Bacteria Sampling Only													
6/21/2007	MB2	1.0	7.90	6.80	6.80	1600	730	0.50	ND	0.50	ND	0.005	ND	0.480		0.04		0.07		9.00	
6/28/2007	MB2	1.9	7.80	7.90	25.20	60	1300	Bacteria Sampling Only													
7/5/2007	MB2	4.5	7.75	8.12	23.30	230	280	2.50		0.50	ND	0.005	ND	0.005	ND	0.01		0.06		11.00	
7/12/2007	MB2	2.3	7.80	NS	24.90	12000	2200	Bacteria Sampling Only													
7/19/2007	MB2	2.3	6.15	6.04	25.20	493	230	Bacteria Sampling Only													
7/24/2007	MB2	2.5	7.58	8.11	21.80	493	390	Bacteria Sampling Only													
7/26/2007	MB2	0.8	8.13	8.15	24.90	156	60	Bacteria Sampling Only													
8/2/2007	MB2	0.8	7.56	5.90	26.50	106	120	0.50	ND	0.50	ND	0.005	ND	2.800		0.04		0.09		9.00	
8/9/2007	MB2	1.4	7.90	7.30	26.20	538	420	Bacteria Sampling Only													
8/16/2007	MB2	0.4	8.44	6.93	24.50	800	370	0.50	ND	0.50	ND	0.005	ND	0.005	ND	0.01		0.05		10.00	
8/23/2007	MB2	1.1	6.89	6.60	20.00	230	190	Bacteria Sampling Only													
8/30/2007	MB2	0.3	8.11	7.78	23.50	680	140	Bacteria Sampling Only													
9/13/2007	MB2	0.6	7.05	4.79	20.60	3200	540	Bacteria Sampling Only													
9/27/2007	MB2	0.3	6.98	4.63	21.70	1600	150	Bacteria Sampling Only													
10/10/2007	MB2	2.2	7.90	0.21	21.20	420	470	0.81		0.09		0.005	ND	0.005	ND	0.01		0.05		4.00	
10/10/2007	MB2	2.0	7.90	0.19	21.20	340	350	0.82		0.09		0.005	ND	0.005	ND	0.02		0.05		4.00	
10/11/2007	MB2	0.1	8.19	0.24	19.70	350	370	0.92		0.08		0.006		0.270		0.02		0.08		15.00	
10/25/2007	MB2	2.1	6.82	6.11	16.30	1500	600	0.50	ND	0.50	ND	0.005	ND	1.10		0.06		0.13		2.00	ND
n		23	23	21	23	23	23	11		11		11		11		11		11		11	
min		0.1	6.15	0.19	6.80	60	60	0.50		0.08		0.01		0.01		0.01		0.05		2.00	
mean*		1.5	7.58	5.78	21.79	1481	480	0.78		0.39		0.01		0.69		0.03		0.07		8.91	
max		4.5	8.44	8.15	26.50	12000	2200	2.50		0.50		0.01		2.80		0.06		0.13		16.00	
std. dev.		1.0	0.58	2.56	4.18	2538	463	0.59		0.19		0.00		0.836		0.02		0.027		4.44	

ND indicates value is one half of the detection limit

*For fecal coliform and *E. coli*, geometric means were calculated

		Flow Rate	pH	DO	Temperature	Fecal Coliform	<i>E. coli</i>	TKN		NH ₃ -N		NO ₂ -N		NO ₃ -N		PO ₄ ³⁻ Dissolved		TP		TSS	
Date	Station ID	cfs	S.U.	(mg/L)	deg C	col/100 ml	col/100 ml	(mg/L)		(mg/L)		(mg/L)		(mg/L)		(mg/L)		(mg/L)		(mg/L)	
5/24/2007	MB1	1.1	7.44	7.60	16.3	250	180	0.50	ND	0.50	ND	0.005	ND	1.800		0.04		0.05		2.00	
5/31/2007	MB1	0.3	7.08	7.85	17.9	200	170	0.50	ND	0.50	ND	0.005	ND	1.700		0.05		0.05		2.00	ND
6/7/2007	MB1	0.5	9.00	7.20	14.8	660	490	0.50	ND	0.50	ND	0.005	ND	1.800		0.05		0.14		2.00	ND
6/14/2007	MB1	0.2	8.20	NS	19.5	5400	560	Bacteria Sampling Only													
6/19/2007	MB1	0.8	7.69	8.88	18.3	980	460	Bacteria Sampling Only													
6/21/2007	MB1	0.4	7.90	9.30	15.6	460	360	0.50	ND	0.50	ND	0.005	ND	2.000		0.04		0.01	ND	2.00	ND
6/28/2007	MB1	0.6	7.40	7.90	21.2	210	4800	Bacteria Sampling Only													
7/5/2007	MB1	1.4	6.78	7.94	19.8	4200	4000	0.50	ND	0.50	ND	0.005	ND	1.000	ND	0.06		0.12		17.00	
7/12/2007	MB1	1.0	7.60	NS	19.5	28000	5300	Bacteria Sampling Only													
7/19/2007	MB1	27.4	5.74	8.79	20.7	3500	3300	Bacteria Sampling Only													
7/24/2007	MB1	0.9	7.74	9.55	17.6	3500	1600	Bacteria Sampling Only													
7/26/2007	MB1	0.4	7.62	9.09	19.6	860	570	Bacteria Sampling Only													
8/2/2007	MB1	0.3	7.87	9.47	19.5	1040	480	0.50	ND	0.50	ND	0.005	ND	1.700		0.06		0.07		2.00	ND
8/9/2007	MB1	0.6	7.80	8.80	21.4	763	410	Bacteria Sampling Only													
8/16/2007	MB1	0.2	7.88	8.43	19.8	780	440	0.50	ND	0.50	ND	0.005	ND	1.900	ND	0.05		0.06		2.00	ND
8/23/2007	MB1	0.4	7.55	8.78	16.9	1060	480	Bacteria Sampling Only													
8/30/2007	MB1	0.1	7.09	9.37	18.4	1270	560	Bacteria Sampling Only													
9/13/2007	MB1	0.1	7.23	7.01	15.6	720	610	Bacteria Sampling Only													
9/27/2007	MB1	0.0	7.34	6.24	19.4	370	16000	Bacteria Sampling Only													
10/10/2007	MB1	0.6	8.05	0.28	17.1	16000	11000	0.96		0.05		0.011		1.410		0.12		0.16		5.00	
10/10/2007	MB1	0.6	7.88	0.26	16.7	7000	780	0.67		0.06		0.012		1.420		0.12		0.15		3.00	
10/11/2007	MB1	0.0	8.43	1.35	16.7	1100	7800	0.50	ND	0.50	ND	0.005		1.530		0.08		0.09		1.00	
10/25/2007	MB1	0.1	6.70	6.30	12.9	1700	490	0.50	ND	0.50	ND	0.005	ND	1.00		0.06		0.12		2.00	ND
n		23	23	21	23	23	23	11		11		11		11		11		11		11	
min		0.0	5.74	0.26	12.90	200	170	0.50		0.05		0.01		1.00		0.04		0.01		1.00	
mean*		1.7	7.57	7.16	18.05	3479	2645	0.56		0.42		0.01		1.57		0.07		0.09		3.64	
max		27.4	9.00	9.55	21.40	28000	16000	0.96		0.50		0.01		2.00		0.12		0.16		17.00	
std. dev.		5.6	0.65	2.91	2.17	6375	4052	0.14		0.18		0.00		0.337		0.03		0.049		4.54	

ND indicates value is one half of the detection limit

*For fecal coliform and *E. coli*, geometric means were calculated

		Flow Rate	pH	DO	Temperature	Fecal Coliform	<i>E. coli</i>	TKN		NH ₃ -N		NO ₂ -N		NO ₃ -N		PO ₄ ³⁻ Dissolved		TP		TSS	
Date	Station ID	cfs	S.U.	(mg/L)	deg C	col/100 ml	col/100 ml	(mg/L)		(mg/L)		(mg/L)		(mg/L)		(mg/L)		(mg/L)		(mg/L)	
5/24/2007	HB1	45.3	7.22	7.60	19.10	3300	2600	0.50	ND	0.50	ND	0.005	ND	7.200		1.20		1.34		6.00	
5/31/2007	HB1	10.6	7.08	6.49	20.60	2100	780	2.20		1.40		0.005	ND	8.200		1.81		1.85		8.00	
6/7/2007	HB1	30.9	6.60	6.40	17.40	2200	660	2.30		0.50	ND	0.005	ND	9.400		1.70		2.10		2.00	ND
6/14/2007	HB1	54.4	7.62	NS	16.10	900	1800	Bacteria Sampling Only													
6/19/2007	HB1	29.0	NS	NS	NS	5900	1400	Bacteria Sampling Only													
6/21/2007	HB1	22.7	7.30	5.80	19.30	780	820	0.50	ND	0.50	ND	0.005	ND	13.000		2.00		2.20		2.00	ND
6/28/2007	HB1	45.7	7.60	7.20	23.20	200	5200	Bacteria Sampling Only													
7/5/2007	HB1	43.2	7.01	8.79	21.70	1160	2700	0.50	ND	0.50	ND	0.005	ND	0.005	ND	0.80		0.91		10.00	
7/12/2007	HB1	75.8	7.30	NS	22.10	41000	NS	Bacteria Sampling Only													
7/19/2007	HB1	75.2	6.74	6.37	22.50	5900	3700	Bacteria Sampling Only													
7/24/2007	HB1	69.3	7.38	9.08	20.00	5900	2800	Bacteria Sampling Only													
7/26/2007	HB1	28.9	7.24	7.77	22.20	1200	1700	Bacteria Sampling Only													
8/2/2007	HB1	22.5	7.22	7.54	23.30	800	430	1.20		0.50	ND	0.005	ND	12.000		2.10		1.80		2.00	ND
8/9/2007	HB1	43.0	7.50	7.50	24.00	1420	430	Bacteria Sampling Only													
8/16/2007	HB1	19.7	7.55	7.25	22.60	860	410	0.50	ND	0.50	ND	0.005	ND	11.000	ND	1.90		2.20		10.00	
8/23/2007	HB1	19.7	7.16	7.74	19.60	880	640	Bacteria Sampling Only													
8/30/2007	HB1	20.0	7.00	6.96	21.80	1030	1800	Bacteria Sampling Only													
9/13/2007	HB1	22.3	6.98	6.23	19.40	2700	840	Bacteria Sampling Only													
9/27/2007	HB1	15.9	7.29	4.91	22.10	880	560	Bacteria Sampling Only													
10/10/2007	HB1	NS	7.61	0.23	19.10	26000	22000	1.30		0.13		0.061		5.410		0.94		1.05		5.00	
10/10/2007	HB1	NS	7.56	0.23	19.00	21000	16000	0.93		0.13		0.064		5.640		0.98		1.03		4.00	
10/11/2007	HB1	NS	8.38	2.10	19.20	1100	1600	NS		NS		NS		NS		NS		NS		NS	
10/25/2007	HB1	19.5	7.11	6.67	16.70	40000	440	1.40		0.50	ND	0.005	ND	14.00		2.20		1.80		2.00	ND
n		20	22	20	22	23	22	10		10		10		10		10		10		10	
min		10.6	6.60	0.23	16.10	200	410	0.50		0.13		0.01		0.01		0.80		0.91		2.00	
mean*		35.7	7.29	6.14	20.50	7270	3150	1.13		0.52		0.02		8.59		1.56		1.63		5.10	
max		75.8	8.38	9.08	24.00	41000	22000	2.30		1.40		0.06		14.00		2.20		2.20		10.00	
std. dev.		20.0	0.37	2.49	2.20	12295	5354	0.69		0.35		0.02		4.235		0.53		0.5029		3.28	

ND indicates value is one half of the detection limit

*For fecal coliform and *E. coli*, geometric means were calculated

		Flow Rate	pH	DO	Temperature	Fecal Coliform	<i>E. coli</i>	TKN		NH ₃ -N		NO ₂ -N		NO ₃ -N		PO ₄ ³⁻ Dissolved		TP		TSS	
Date	Station ID	cfs	S.U.	(mg/L)	deg C	col/100 ml	col/100 ml	(mg/L)		(mg/L)		(mg/L)		(mg/L)		(mg/L)		(mg/L)		(mg/L)	
5/24/2007	SR1	25.1	7.49	8.34	17.90	820	440	0.50	ND	0.50	ND	0.005	ND	1.800		0.02		0.03		4.00	
5/31/2007	SR1	5.8	6.98	7.21	18.70	700	380	0.50	ND	0.50	ND	0.005	ND	1.800		0.03		0.04		2.00	ND
6/7/2007	SR1	12.0	6.20	7.90	16.00	2200	590	0.50	ND	0.50	ND	0.005	ND	1.600		0.03		0.11		2.00	ND
6/14/2007	SR1	17.0	7.35	NS	17.60	1060	1100	Bacteria Sampling Only													
6/19/2007	SR1	12.8	7.45	7.40	22.80	4900	1800	Bacteria Sampling Only													
6/21/2007	SR1	13.1	7.50	7.00	17.80	3900	790	0.50	ND	0.50	ND	0.005	ND	1.800		0.03		0.04		2.00	ND
6/28/2007	SR1	27.2	7.50	7.70	21.80	170	6100	Bacteria Sampling Only													
7/5/2007	SR1	34.2	7.55	8.50	19.30	3700	3700	0.50	ND	0.50	ND	0.005	ND	1.400		0.03		0.07		7.00	
7/12/2007	SR1	41.0	7.20	NS	21.40	39000	NS	Bacteria Sampling Only													
7/19/2007	SR1	41.0	6.38	8.42	21.80	5800	4100	Bacteria Sampling Only													
7/24/2007	SR1	43.6	7.27	8.76	18.50	5800	3500	Bacteria Sampling Only													
7/26/2007	SR1	12.2	7.09	8.04	20.60	1020	520	Bacteria Sampling Only													
8/2/2007	SR1	11.5	7.50	8.52	21.90	110	390	0.50	ND	0.50	ND	0.005	ND	1.400		0.01	ND	0.01		2.00	ND
8/9/2007	SR1	23.5	7.40	7.40	22.70	1270	390	Bacteria Sampling Only													
8/16/2007	SR1	9.3	7.52	8.29	20.40	553	430	0.50	ND	0.50	ND	0.005	ND	1.600		0.02		0.06		2.00	ND
8/23/2007	SR1	9.3	6.85	8.64	17.10	900	460	Bacteria Sampling Only													
8/30/2007	SR1	6.8	6.75	8.11	19.20	420	430	Bacteria Sampling Only													
9/13/2007	SR1	8.5	7.02	4.99	16.90	2000	630	Bacteria Sampling Only													
9/27/2007	SR1	4.6	6.90	6.02	19.20	820	480	Bacteria Sampling Only													
10/10/2007	SR1	NS	8.11	0.28	17.50	33000	23000	0.91		0.09		0.018		1.490		0.07		0.12		10.00	
10/10/2007	SR1	NS	7.41	0.26	17.10	12000	9400	0.94		0.13		0.018		1.500		0.08		0.13		10.00	
10/11/2007	SR1	NS	8.41	2.15	16.90	3000	2600	0.52		0.07		0.008		1.560		0.04		0.07		2.00	
10/25/2007	SR1	7.6	6.88	6.54	13.80	4500	1700	0.50	ND	0.50	ND	0.005	ND	1.30		0.02		0.08		2.00	ND
n		20	23	21	23	23	22	11		11		11		11		11		11		11	
min		4.6	6.20	0.26	13.80	110	380	0.50		0.07		0.01		1.30		0.01		0.01		2.00	
mean*		18.3	7.25	6.69	19.00	5550	2860	0.58		0.39		0.01		1.57		0.03		0.07		4.09	
max		43.6	8.41	8.76	22.80	39000	23000	0.94		0.50		0.02		1.80		0.08		0.13		10.00	
std. dev.		12.8	0.49	2.62	2.35	10025	5045	0.17		0.19		0.01		0.174		0.02		0.0386		3.30	

ND indicates value is one half of the detection limit

*For fecal coliform and *E. coli*, geometric means were calculated