



Seasonal and Multi-Parameter Expansion of the Root River Baseline Assessment within the City of Racine

2007/2008 Root River Raw Data

May 2007 to October 2008

By

Kirk J. Abbott, MEng, MSc

Project Team:

Dr. Julie L. Kinzelman (Principal Investigator)

Kirk J. Abbott, MEng, MSc

Tristan R. Begotka

Adrian J. Koski

Funding for this project was provided, in part, by the Root-Pike Watershed Initiative Network, the WI DNR, and the WI Coastal Management Program.

Johnson Park - North Bank @ Golf Course

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	DO (mg/l)	P (mg/l)
06/06/2007	12:40	8.3	0.3	24.9	1210				16.7	20.6		
06/13/2007	9:07	1.4	0.0	0.0	100	9.2	0.52	8.13	21.7	24.4		
06/20/2007	9:04	10.3	0.0	62.2	5120	74.5	2.73	7.58	19.4	21.1		
06/27/2007	8:56	1.3	0.0	0.0	200	21.1	1.63	7.93	25.0	29.4		
07/05/2007	9:02	0.7	0.0	0.0	410	15.8	1.00	8.04	23.3	23.9		
07/11/2007	9:08	0.4	15.5	17.0	50	6.19	0.52	8.33	22.2	21.1		
07/18/2007	8:58	0.5	0.0	18.8	860	15.9	0.96	8.2	22.8	25.0		
07/25/2007	8:58	0.3	0.0	0.0	200	7.6	1.21	7.84	21.1	22.8		
08/01/2007	9:02	0.6	0.0	0.0	200	9.4	1.04	8.34	23.9	32.2		
08/08/2007	8:57	4.2	0.0	17.0	200	15.7	1.55	7.7	23.3	26.1		
08/15/2007	8:50	0.9	6.1	11.9	100	11.01	0.58	7.95	21.7	21.1		
08/22/2007	9:02	42.2	14.0	14.5	630	67.2	5.54	7.46	18.9	23.3		
08/29/2007	8:57	13.8	0.0	0.0	310	31.7	2.35	7.54	19.4	25.0		
09/06/2007	9:11	2.8	0.3	0.3	50	10	2.42	7.8	21.1	26.1		
09/13/2007	9:06	2.8	0.0	0.0	200	11.6	2.62	7.75	14.4	15.0		
10/11/2007	9:50	0.8	2.8	2.8	200	5.12		7.98	11.7	11.1		
05/21/2008	9:10	3.1	0.0	0.0	740				13.5	13.1		
05/29/2008	8:51	3.2	0.0	0.0	200	6.14	1.84	7.75	13.9	16		
06/04/2008	9:18	3.0	0.5	0.5	200	7.04	1.72	7.62	15.2	12.4	6.97	
06/11/2008	9:27	101.4	0.0	0.8	510	111.7	8.68	7.07	20.2	14.4	4.9	
06/18/2008	9:30	9.8	1.5	1.5	100	22.6	3.06	7.54	17.8	19	7.05	
06/25/2008	9:14	3.5	0.3	0.3	200	23.8	2.35	7.63	19.5	22.1	7.11	
07/02/2008	8:47	2.4	0.0	0.0	410	15.5	2.42	7.65	20.6	23	6.78	
07/09/2008	9:08	5.3	0.0	16.3	860	36.9	3.06	7.54	21.4	19	6.14	
07/16/2008	9:02	2.6	0.8	0.8	200	26.5	2.08	7.64	22.4	28	6.68	0.125
07/23/2008	9:03	1.2	0.0	0.0	410	12.9	1.43	7.81	20.5	20	8.02	
07/30/2008	8:51	0.5	0.0	0.0	200	13.5	1.02	7.87	23.6	26.5	7.13	
08/06/2008	9:21	2.0	0.0	12.2	630	10.7	0.68	7.73	23.1	25	7.32	
08/13/2008	9:07	0.7	4.8	4.8	100	9.6	1.57	7.72	19.7	21	6.08	
08/20/2008	8:57	0.4	0.0	0.0	200	13.1	2.06	7.79	22	22.3	5.57	
08/27/2008	8:50	0.2	0.0	0.0	100	13.3	1.24	7.66	19.2	20.6	4.43	
09/04/2008	9:40	0.3	9.7	11.4	520	17.3	1.17	7.74	18.6	16	6.4	
09/09/2008	10:04	1.5	0.0	5.8	520	10.8	2.25	7.75	16.3	18.8	10.03	
09/18/2008	9:55	2.2	0.0	0.0	1350	13.5	2.3	7.65	16.8	20.2	8.99	
09/23/2008	9:07	0.5	0.0	0.3	200	8.1	1.22	7.84	18.7	20.5	7.79	
09/30/2008	8:56	0.3	5.3	5.3	100	5.75	0.82	7.8	14.8	13.2	7.25	
10/07/2008	9:02	0.2	0.0	5.1	100	9.6	0.55	7.96	13.2	14.6	8.26	0.1

MEAN	484	20.0	1.9	7.8	19.4	20.9	7.0	0.1
SD	844	22.1	1.6	0.2	3.4	5.0	1.3	0.0
MEDIAN	200	13.1	1.6	7.8	19.7	21.1	7.1	0.1
MAX	5120	111.70	8.68	8.34	25.00	32.22	10.03	0.13
MIN	50	5.12	0.52	7.07	11.67	11.11	4.43	0.10

Key C = Specific Conductance
 DO = Dissolved Oxygen
 P = Phosphates

Johnson Park - Middle of Bridge @ Golf Course

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	P (mg/l)
05/31/2007	10:44	1.0	0.0	0.0	52				18.3	24.4	
06/06/2007	12:43	8.3	0.3	24.9	1600				16.7	20.6	
06/13/2007	9:02	1.4	0.0	0.0	100	9.92	0.7	8.01	22.2	24.4	
06/20/2007	9:11	10.3	0.0	62.2	2750	80	0	8.67	20.0	21.1	
06/27/2007	9:00	1.3	0.0	0.0	200	17.8	1.81	7.95	25.6	29.4	
07/05/2007	9:06	0.7	0.0	0.0	100	14.7	0.97	8.09	22.8	23.9	
07/11/2007	9:11	0.4	15.5	17.0	100	5.82	0.56	8.43	22.2	21.1	
07/18/2007	9:02	0.5	0.0	18.8	1430	8.3	0.95	8.37	22.8	25.0	
07/25/2007	9:02	0.3	0.0	0.0	100	9.3	1.07	7.93	21.7	22.8	
08/01/2007	9:06	0.6	0.0	0.0	100	7.7	1.16	8.43	24.4	32.2	
08/08/2007	9:00	4.2	0.0	17.0	520	21.6	1.47	7.7	23.3	26.1	
08/15/2007	8:55	0.9	6.1	11.9	200	9.24	0.67	8.03	22.2	21.1	
08/22/2007	9:06	42.2	14.0	14.5	310	64.9	5.33	7.49	18.9	23.3	
08/29/2007	9:01	13.8	0.0	0.0	200	7.52	2.54	7.63	20.0	25.0	
09/06/2007	9:05	2.8	0.3	0.3	200	8.3	2.52	7.84	21.1	26.1	
09/13/2007	9:04	2.8	0.0	0.0	200	11.7	2.67	7.77	15.0	15.0	
10/11/2007	9:52	0.8	2.8	2.8	50	3.98		8.01	11.7	11.1	

05/21/2008		3.1	0.0	0.0	410				13.5	13.1	
05/29/2008	9:00	3.2	0.0	0.0	100	5.33	2.13	7.75	13.2	16	
06/04/2008	9:22	3.0	0.5	0.5	100	6.31	2.21	7.65	15	12.4	
06/11/2008	9:33	101.4	0.0	0.8	410	110.5	9.29	7.1	19.5	14.4	
06/18/2008	9:34	9.8	1.5	1.5	100	23.1	3.02	7.53	18	19	
06/25/2008	9:18	3.5	0.3	0.3	100	25.6	2.38	7.69	19.2	22.1	
07/02/2008	8:51	2.4	0.0	0.0	410	15.4	2.54	7.69	20.5	23	
07/09/2008	9:12	5.3	0.0	16.3	1460	29	3.27	7.53	21	19	
07/16/2008	9:12	2.6	0.8	0.8	100	13.3	2.18	7.68	24	28	0.125
07/23/2008	9:04	1.2	0.0	0.0	100	12.6	1.35	7.85	21.1	20	
07/30/2008	8:52	0.5	0.0	0.0	200	8.7	0.96	7.93	24	26.5	
08/06/2008	9:21	2.0	0.0	12.2	410	8.8	0.77	7.77	22.8	25	
08/13/2008	9:08	0.7	4.8	4.8	100	5.7	1.51	7.84	19.4	21	
08/20/2008	8:56	0.4	0.0	0.0	200	13.8	2.1	7.86	22.2	22.3	
08/27/2008	8:51	0.2	0.0	0.0	200	14	0.88	7.74	19.4	20.6	
09/04/2008	9:31	0.3	9.7	11.4	1200	16.4	0.936	7.81	18	16	
09/09/2008	10:15	1.5	0.0	5.8	410	12.8	2.29	7.71	16.3	18.8	
09/18/2008	9:59	2.2	0.0	0.0	200	13	2.34	7.68	16.7	20.5	
09/23/2008	9:08	0.5	0.0	0.3	200	6.8	1.09	7.91	18.6	20.5	
09/30/2008	8:58	0.3	5.3	5.3	100	6.25	0.74	7.89	14.8	13.2	
10/07/2008	9:01	0.2	0.00	5.08	100	4.5	0.46	8.03	13.5	14.6	0.1

MEAN	390.1	18.1	1.9	7.9	19.5	21.0	0.1
SD	562.6	22.4	1.7	0.3	3.5	4.9	0.0
MEDIAN	200.0	11.7	1.5	7.8	19.8	21.1	0.1
MAX	2750.0	110.5	9.3	8.7	25.6	32.2	0.1
MIN	50.0	4.0	0.0	7.1	11.7	11.1	0.1

Key C = Specific Conductance
DO = Dissolved Oxygen
P = Phosphates

Johnson Park - South Bank @ Golf Course

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	P (mg/l)
06/06/2007	12:47	8.3	0.3	24.9	2310				17.2	20.6	
06/13/2007	8:57	1.4	0.0	0.0	50	12.2	0.69	7.98	21.7	24.4	
06/20/2007	9:08	10.3	0.0	62.2	4130	79.2	2.7	7.57	19.4	21.1	
06/27/2007	9:05	1.3	0.0	0.0	100	18	1.49	7.91	25.6	29.4	
07/05/2007	9:09	0.7	0.0	0.0	200	15	1.03	8.05	22.8	23.9	
07/11/2007	9:16	0.4	15.5	17.0	50	6.2	0.51	8.4	21.7	21.1	
07/18/2007	9:06	0.5	0.0	18.8	850	11.5	1.01	8.3	22.8	25.0	
07/25/2007	9:07	0.3	0.0	0.0	410	11.7	1.19	7.88	21.7	22.8	
08/01/2007	9:09	0.6	0.0	0.0	50	9.6	1.19	8.4	23.9	32.2	
08/08/2007	9:04	4.2	0.0	17.0	410	16.8	1.5	7.71	23.3	26.1	
08/15/2007	8:47	0.9	6.1	11.9	310	11.06	0.66	8.01	21.7	21.1	
08/22/2007	9:10	42.2	14.0	14.5	410	55.9	5.12	7.42	18.9	23.3	
08/29/2007	9:05	13.8	0.0	0.0	50	7.46	2.49	7.61	20.6	25.0	
09/06/2007	9:09	2.8	0.3	0.3	100	10.8	2.34	7.82	21.1	26.1	
09/13/2007	9:03	2.8	0.0	0.0	100	11.6	2.73	7.73	15.0	15.0	
10/11/2007	9:55	0.8	2.8	2.8	410	5.25		8	11.7	11.1	
05/21/2008		3.1	0.0	0.0	410						
05/29/2008	9:03	3.2	0.0	0.0	100	5.64	2	7.73	13.3	16	
06/04/2008	9:25	3.0	0.5	0.5	100	6.6	2.14	7.63	15.3	12.4	
06/11/2008	9:36	101.4	0.0	0.8	410	129.4	6.41	7.26	19.4	14.4	
06/18/2008	9:37	9.8	1.5	1.5	100	23.2	3.08	7.54	18.1	19	
06/25/2008	9:20	3.5	0.3	0.3	310	21.9	2.4	7.68	19	22.1	
07/02/2008	8:53	2.4	0.0	0.0	100	16	2.78	7.69	20.2	23	
07/09/2008	9:15	5.3	0.0	16.3	740	37	3.4	7.55	21	19	
07/16/2008	9:16	2.6	0.8	0.8	410	18.5	2.2	7.68	23	28	0.125
07/23/2008	9:07	1.2	0.0	0.0	100	13.3	1.33	7.8	20.2	20	
07/30/2008	8:56	0.5	0.0	0.0	100	9.8	1.17	7.92	23.5	26.5	
08/06/2008	9:23	2.0	0.0	12.2	200	10.5	0.88	7.75	23	25	
08/13/2008	9:11	0.7	4.8	4.8	100	6.6	1.49	7.8	19	21	
08/20/2008	9:02	0.4	0.0	0.0	100	12.7	2.2	7.82	22.1	22.3	
08/27/2008	8:53	0.2	0.0	0.0	100	15	0.8	7.76	19	20.6	
09/04/2008	9:35	0.3	9.7	11.4	1200	41.1	2.32	7.56	17.9	16	
09/09/2008	10:19	1.5	0.0	5.8	520	12.7	2.27	7.67	15.2	18.6	
09/18/2008	10:03	2.2	0.0	0.0	310	12.2	2.33	7.65	16	20.2	
09/23/2008	9:11	0.5	0.0	0.3	740	9.8	1.1	7.86	18	20.5	
09/30/2008	8:57	0.3	5.3	5.3	200	8.34	0.73	7.86	14	13.2	
10/07/2008	9:04	0.2	0.0	5.1	200	5.8	0.52	8	12.8	14.6	0.1

MEAN	445.7	20.0	1.9	7.8	19.4	21.1	0.1
SD	751.4	24.3	1.3	0.2	3.5	4.9	0.0
MEDIAN	200.0	12.2	1.8	7.8	19.8	21.1	0.1
MAX	4130.0	129.4	6.4	8.4	25.6	32.2	0.1
MIN	50.0	5.3	0.5	7.3	11.7	11.1	0.1

Key C = Specific Conductance
DO = Dissolved Oxygen
P = Phosphates

Horlick Dam - West Bank

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	DO (mg/l)	P (mg/l)
06/06/2007	12:10	8.3	0.3	24.9	310				17.8	21.1		
06/13/2007	8:40	1.4	0.0	0.0	50	20.8	0.68	8.2	23.3	26.1		
06/20/2007	8:39	10.3	0.0	62.2	4650	114.7	3.49	7.6	21.1	26.1		
06/27/2007	8:37	1.3	0.0	0.0	960	44.7	1.71	8.0	26.1	29.4		
07/05/2007	8:36	0.7	0.0	0.0	50	21.1	0.72	8.4	23.3	24.4		
07/11/2007	8:42	0.4	15.5	17.0	100	40.6	0.44	8.2	23.9	21.1		
07/18/2007	8:37	0.5	0.0	18.8	2380	34.3	0.54	8.3	23.9	26.1		
07/25/2007	8:34	0.3	0.0	0.0	50	43.1	0.5	8.2	22.8	23.9		
08/01/2007	8:32	0.6	0.0	0.0	200	17.18	0.22	8.5	26.1	28.9		
08/08/2007	8:32	4.2	0.0	17.0	1200	46.5	1.98	7.8	23.9	24.4		
08/15/2007	8:25	0.9	6.1	11.9	50	23.8	0.59	8.1	22.2	21.7		
08/22/2007	8:38	42.2	14.0	14.5	630	72.7	4.77	7.4	18.3	22.8		
08/29/2007	8:32	13.8	0.0	0.0	50	13.91	2.51	7.6	20.0	23.9		
09/06/2007	8:48	2.8	0.3	0.3	100	18.8	2.45	7.9	21.7	25.0		
09/13/2007	8:43	2.8	0.0	0.0	200	23.1	2.59	7.9	15.6	17.2		
10/11/2007	9:35	0.8	2.8	2.8	510	45.9		7.9	12.2	11.1		

05/21/2008		3.1	0.0	0.0	100							
05/29/2008	8:25	3.2	0.0	0.0	100	10.92	0.87	7.8	14.5	16.5		
06/04/2008	8:46	3.0	0.5	0.5	100	11.03	1.76	7.4	16	12	7.87	
06/11/2008	8:59	101.4	0.0	0.8	310	133.1	8.27	7.2	20.2	14	7.67	
06/18/2008	9:01	9.8	1.5	1.5	310	21.3	2.85	7.5	18.4	19.3	8.15	
06/25/2008	8:44	3.5	0.3	0.3	300	38.3	2.23	7.6	20.5	22	7.75	
07/02/2008	8:23	2.4	0.0	0.0	100	26.7	1.94	7.7	21.9	22.8	8.27	
07/09/2008	8:47	5.3	0.0	16.3	840	26	2.11	7.6	22.4	19.5	7.36	
07/16/2008	8:41	2.6	0.8	0.8	200	26.5	2.6	7.5	23.5	28	7.95	0.15
07/23/2008	8:45	1.2	0.0	0.0	100	28.8	1.57	7.8	23	21.8	8.38	
07/30/2008	8:40	0.5	0.0	0.0	100	23.7	0.79	8.1	25.5	27	8.05	
08/06/2008	8:59	2.0	0.0	12.2	520	23.9	0.7	7.8	24.7	25.7	2.72	
08/13/2008	8:40	0.7	4.8	4.8	100	28.1	1.87	7.9	22.4	23.8	8.18	
08/20/2008	8:39	0.4	0.0	0.0	100	13.8	0.69	8.1	22.89	24.2	8.29	
08/27/2008	8:32	0.2	0.0	0.0	100	29.4	1.1	7.5	21.5	23.5	8.46	
09/04/2008	9:05	0.3	9.7	11.4	2460	42.8	2.04	7.6	19.3	16	7.73	
09/09/2008	9:40	1.5	0.0	5.8	300	35.7	2.96	7.5	17.3	19	9.3	
09/18/2008	9:33	2.2	0.0	0.0	100	24	2.81	7.2	17.1	21.5	8.55	
09/23/2008	8:48	0.5	0.0	0.3	100	12.9	0.86	7.9	19.4	22	9.22	
09/30/2008	8:37	0.3	5.3	5.3	100	19.1	1.03	7.7	17.9	15	8.35	
10/07/2008	8:43	0.2	0.0	5.1	200	19.49	0.54	7.9	13.8	14.6	10.16	0.1

MEAN	490.0	33.6	1.8	7.8	20.7	21.7	8.0	0.125
SD	901.1	26.0	1.5	0.3	3.5	4.7	1.4	0.035
MEDIAN	100.0	26.0	1.7	7.8	21.6	22.4	8.2	0.125
MAX	4,650	133	8.27	8.45	26.11	29.44	10.16	0.150
MIN	50.00	10.92	0.22	7.15	12.22	11.11	2.72	0.100

Key C = Specific Conductance
 DO = Dissolved Oxygen
 P = Phosphates

Horlick Dam- Middle of Bridge

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	P (mg/l)
05/31/2007	10:55	1.0	0.0	0.0	52				21.7	23.9	
06/06/2007	12:12	8.3	0.3	24.9	410				17.2	21.1	
06/13/2007	8:45	1.4	0.0	0.0	50	16.9	0.79	8.2	23.3	26.1	
06/20/2007	8:42	10.3	0.0	62.2	4040	88.4	3.43	7.6	21.1	26.1	
06/27/2007	8:40	1.3	0.0	0.0	520	47.7	2.13	8.0	26.1	29.4	
07/05/2007	8:40	0.7	0.0	0.0	200	31.9	1.04	8.3	22.8	24.4	
07/11/2007	8:45	0.4	15.5	17.0	100	48.4	0.7	8.2	24.4	21.1	
07/18/2007	8:42	0.5	0.0	18.8	50	45.8	0.99	8.3	24.4	26.1	
07/25/2007	8:38	0.3	0.0	0.0	50	50.6	1.01	8.3	23.3	23.9	
08/01/2007	8:37	0.6	0.0	0.0	50	28.8	0.48	8.5	26.1	28.9	
08/08/2007	8:36	4.2	0.0	17.0	1080	33.3	2.05	7.7	23.3	24.4	
08/15/2007	8:35	0.9	6.1	11.9	50	27.1	0.98	8.2	22.8	21.7	
08/22/2007	8:43	42.2	14.0	14.5	860	73.5	4.78	7.5	18.3	22.8	
08/29/2007	8:36	13.8	0.0	0.0	50	12.56	2.46	7.7	20.6	23.9	
09/06/2007	8:51	2.8	0.3	0.3	50	20.4	2.39	7.9	21.7	25.0	
09/13/2007	8:46	2.8	0.0	0.0	100	25.4	2.53	7.9	15.0	17.2	
10/11/2007	9:37	0.8	2.8	2.8	100	39.6		7.8	12.2	11.1	

05/21/2008		3.1	0.0	0.0	100						
05/29/2008	8:30	3.2	0.0	0.0	100	11.55	1	7.9	15	16.5	
06/04/2008	8:55	3.0	0.5	0.5	100	10.19	2.09	7.6	15.2	12	
06/11/2008	9:08	101.4	0.0	0.8	310	120.8	8.61	6.9	19.9	14	
06/18/2008	9:09	9.8	1.5	1.5	100	36.8	2.92	7.6	18.2	19.3	
06/25/2008	8:52	3.5	0.3	0.3	100	35.3	2.39	7.7	20	22	
07/02/2008	8:28	2.4	0.0	0.0	100	26.4	2.08	7.7	21.7	22.8	
07/09/2008	8:51	5.3	0.0	16.3	300	20.3	2.29	7.7	22.4	19.5	
07/16/2008	8:43	2.6	0.8	0.8	100	22.2	2.76	7.6	24	28	0.15
07/23/2008	8:47	1.2	0.0	0.0	100	26.1	1.82	7.9	22.8	21.8	
07/30/2008	8:41	0.5	0.0	0.0	100	21.8	1.12	8.2	25.2	27	
08/06/2008	9:01	2.0	0.0	12.2	630	22.5	1	7.9	24.4	26.4	
08/13/2008	8:47	0.7	4.8	4.8	100	30.6	2.05	8.0	22.3	23.8	
08/20/2008	8:40	0.4	0.0	0.0	100	15.5	0.96	8.2	22.4	24.2	
08/27/2008	8:34	0.2	0.0	0.0	100	31.9	1.6	7.8	21.8	23.5	
09/04/2008	9:10	0.3	9.7	11.4	3820	43.3	1.42	7.8	20	15.8	
09/09/2008	9:45	1.5	0.0	5.8	310	34.5	3.14	7.5	17.2	19	
09/18/2008	9:38	2.2	0.0	0.0	200	25.3	3.13	7.5	17.3	21.5	
09/23/2008	8:49	0.5	0.0	0.3	100	21.2	1.45	8.0	20	22	
09/30/2008	8:38	0.3	5.3	5.3	100	22.2	1.1	7.9	17.8	15	
10/07/2008	8:44	0.2	0.00	5.08	100	19.1	0.57	8.07	14	14.6	0.1

MEAN 391.6 33.9 2.0 7.9 20.7 21.8 0.1
SD 875.9 22.3 1.5 0.3 3.5 4.6 0.0
MEDIAN 100.0 27.1 1.9 7.9 21.7 22.8 0.1

MAX 4,040 121 8.61 8.53 26.11 29.44 0.15
MIN 50.00 10.19 0.48 6.93 12.22 11.11 0.15
Key C = Specific Conductance
 DO = Dissolved Oxygen
 P = Phosphates

Horlick Dam - East Bank

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	P (mg/l)
06/06/2007	12:16	8.3	0.3	24.9	980				17.8	21.1	
06/13/2007	8:48	1.4	0.0	0.0	50	10.4	0.74	8.2	22.8	26.1	
06/20/2007	8:47	10.3	0.0	62.2	3,820	105.8	3.47	7.6	21.1	26.1	
06/27/2007	8:45	1.3	0.0	0.0	200	40.4	1.69	8.0	25.6	29.4	
07/05/2007	8:46	0.7	0.0	0.0	4130	24.6	0.98	8.3	22.8	24.4	
07/11/2007	8:50	0.4	15.5	17.0	200	45.9	0.64	8.2	24.4	21.1	
07/18/2007	8:46	0.5	0.0	18.8	860	41.1	0.98	8.3	23.9	26.1	
07/25/2007	8:42	0.3	0.0	0.0	100	49.8	0.98	8.2	22.8	23.9	
08/01/2007	8:41	0.6	0.0	0.0	300	23.4	0.43	8.5	26.1	28.9	
08/08/2007	8:39	4.2	0.0	17.0	960	30.6	1.99	7.8	23.9	24.4	
08/15/2007	8:30	0.9	6.1	11.9	100	24.7	0.82	8.1	22.8	21.7	
08/22/2007	8:47	42.2	14.0	14.5	50	72.3	4.91	7.5	18.3	22.8	
08/29/2007	8:41	13.8	0.0	0.0	410	11.98	2.54	7.7	20.6	23.9	
09/06/2007	8:54	2.8	0.3	0.3	100	18.4	2.5	7.9	21.7	25.0	
09/13/2007	8:50	2.8	0.0	0.0	520	22.7	2.54	7.9	15.6	17.2	
10/11/2007	9:38	0.8	2.8	2.8	410	22.8		8.0	12.2	11.1	

05/21/2008		3.1	0.0	0.0	100						
05/29/2008	8:34	3.2	0.0	0.0	100	10.94	0.93	8.0	14.4	16.5	
06/04/2008	8:59	3.0	0.5	0.5	100	8.83	2.14	7.7	15.2	12	
06/11/2008	9:11	101.4	0.0	0.8	300	124.1	8.43	7.1	19.7	14	
06/18/2008	9:13	9.8	1.5	1.5	100	21.8	3.28	7.6	18	19.3	
06/25/2008	8:55	3.5	0.3	0.3	100	35.4	2.56	7.7	20	22	
07/02/2008	8:31	2.4	0.0	0.0	100	22.9	2.22	7.7	21.7	22.8	
07/09/2008	8:53	5.3	0.0	16.3	740	19.8	2.31	7.7	21.7	19.5	
07/16/2008	8:45	2.6	0.8	0.8	200	21.5	2.69	7.7	23.1	28	0.15
07/23/2008	8:52	1.2	0.0	0.0	100	26	1.62	7.9	21.9	21.8	
07/30/2008	8:43	0.5	0.0	0.0	100	19.5	1.18	8.2	24.3	27	
08/06/2008	9:05	2.0	0.0	12.2	520	21.2	1.06	7.9	23.7	26	
08/13/2008	8:50	0.7	4.8	4.8	10,400	26.2	2.23	8.1	22	23.8	
08/20/2008	8:43	0.4	0.0	0.0	520	13.3	0.9	8.2	22	23.3	
08/27/2008	8:36	0.2	0.0	0.0	100	28.8	1.45	7.8	21.6	23.5	
09/04/2008	9:13	0.3	9.7	11.4	7490	35.3	0.01	7.8	18	16	
09/09/2008	9:49	1.5	0.0	5.8	100	37.8	3.25	7.5	16.8	19	
09/18/2008	9:42	2.2	0.0	0.0	730	23.8	3.16	7.5	17	21.5	
09/23/2008	8:53	0.5	0.0	0.3	100	14	1.4	8.0	19	22	
09/30/2008	8:42	0.3	5.3	5.3	200	20.1	1.21	7.9	17	15	
10/07/2008	8:48	0.2	0.0	5.1	200	16.4	0.56	8.1	13.9	14.6	0.1

MEAN	961.9	31.2	2.0	7.9	20.4	21.7	0.1
SD	2154.1	24.6	1.6	0.3	3.5	4.7	0.0
MEDIAN	200.0	23.4	1.7	7.9	21.6	22.4	0.1
MAX	10,400	124	8.43	8.47	26.11	29.44	0.15
MIN	50.00	8.83	0.01	7.08	12.22	11.11	0.10

Key C = Specific Conductance
 DO = Dissolved Oxygen
 P = Phosphates

Colonial Park Footbridge @ W. High St. - West Bank

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	DO (mg/l)	P (mg/l)
06/06/2007	13:15	8.3	0.3	24.9	850				17.2	20.0		
06/13/2007	9:26	1.4	0.0	0.0	50	11.9	0.83	8.21	23.9	26.1		
06/20/2007	9:31	10.3	0.0	62.2	3,790	105.8	3.16	7.63	21.1	23.9		
06/27/2007	9:22	1.3	0.0	0.0	50	25.4	1.36	8	26.1	30.6		
07/05/2007	9:26	0.7	0.0	0.0	610	15.6	0.72	8.21	23.3	25.0		
07/11/2007	9:33	0.4	15.5	17.0	200	17.3	0.41	8.13	22.2	21.1		
07/18/2007	9:23	0.5	0.0	18.8	740	15.5	1.06	8.14	23.9	26.7		
07/25/2007	9:25	0.3	0.0	0.0	410	14.7	0.69	8.01	21.7	23.9		
08/01/2007	9:29	0.6	0.0	0.0	100	7.5	0.49	8.35	26.1	30.6		
08/08/2007	9:24	4.2	0.0	17.0	630	32.8	2.05	7.8	23.9	26.7		
08/15/2007	9:10	0.9	6.1	11.9	200	18.7	0.90	8.11	22.2	21.7		
08/22/2007	9:35	42.2	14.0	14.5	2920	26.7	3.01	7.48	20.0	25.0		
08/29/2007	9:22	13.8	0.0	0.0	100	12.53	2.76	7.79	20.0	25.6		
09/06/2007	9:32	2.8	0.3	0.3	100	16	2.47	7.98	21.7	25.6		
09/13/2007	9:30	2.8	0.0	0.0	50	22.3	2.34	7.91	15.6	20.0		
10/11/2007	10:19	0.8	2.8	2.8	100	20.6		7.93	11.1	11.1		

05/21/2008		3.1	0.0	0.0	100							
05/29/2008	9:21	3.2	0.0	0.0	100	8.03	1	8.06	14.9	16		
06/04/2008	10:00	3.0	0.5	0.5	310	8.55	2.01	7.76	15.2	13.5	8.8	
06/11/2008	10:03	101.4	0.0	0.8	200	116.8	8.93	7.24	20.2	18	7.26	
06/18/2008	9:58	9.8	1.5	1.5	310	20.1	3.18	7.69	18.7	19.5	8.65	
06/25/2008	9:46	3.5	0.3	0.3	100	23.9	2.37	7.82	20.5	22	8.46	
07/02/2008	9:14	2.4	0.0	0.0	100	17	2.2	7.86	21.9	23.8	8.29	
07/09/2008	9:34	5.3	0.0	16.3	410	22.2	1.89	7.82	22.4	22	7.84	
07/16/2008	9:42	2.6	0.8	0.8	100	19.6	2.58	7.8	23.8	29	8.14	0.125
07/23/2008	9:27	1.2	0.0	0.0	100	20.1	1.79	7.96	22.2	22	8.4	
07/30/2008	9:24	0.5	0.0	0.0	200	14.1	1.28	8.01	24.1	28.5	7.45	
08/06/2008	9:53	2.0	0.0	12.2	630	16.4	0.91	7.92	24.8	28.7	8.11	
08/13/2008	9:31	0.7	4.8	4.8	100	14.4	1.82	7.93	21.1	21	7.86	
08/20/2008	9:22	0.4	0.0	0.0	100	4.7	0.83	8.05	21.8	22.5	8.07	
08/27/2008	9:13	0.2	0.0	0.0	100	15.5	1.68	7.78	20.4	22.6	7.68	
09/04/2008	9:57	0.3	9.7	11.4	3840	28.8	2.66	7.7	18.8	16	7.43	
09/09/2008	10:40	1.5	0.0	5.8	200	28.2	3.2	7.67	17.3	16.9	9.33	
09/18/2008	10:25	2.2	0.0	0.0	100	20.4	3	7.72	17.4	19.8	9.17	
09/23/2008	9:31	0.5	0.0	0.3	200	13.6	1.24	7.96	19.6	21.3	9.9	
09/30/2008	9:23	0.3	5.3	5.3	100	8.5	1.35	7.87	16.9	14.1	8.3	
10/07/2008	9:25	0.2	0.0	5.1	100	8.1	0.6	8.01	13.9	16	9.47	0.1

MEAN	497.3	22.6	2.0	7.9	20.4	22.1	8.3	0.1				
SD	940.7	23.1	1.5	0.2	3.5	4.8	0.7	0.0				
MEDIAN	100.0	17.0	1.8	7.9	21.1	22.0	8.3	0.1				
MAX	3,840	116.80	8.93	8.35	26.11	30.56	9.90	0.13				
MIN	50.00	4.70	0.41	7.24	11.11	11.11	7.26	0.10				
Key	C = Specific Conductance DO = Dissolved Oxygen P = Phosphates											

Colonial Park Footbridge @ W. High St. - Middle of Bridge

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	P (mg/l)
06/06/2007	13:13	8.3	0.3	24.9	410				17.8	20.0	
06/13/2007	9:29	1.4	0.0	0.0	100	8.4	0.73	8.2	23.3	26.1	
06/20/2007	9:33	10.3	0.0	62.2	4,570	114.3	3.3	7.7	21.7	23.9	
06/27/2007	9:26	1.3	0.0	0.0	410	29.5	1.82	8.1	26.1	30.6	
07/05/2007	9:29	0.7	0.0	0.0	200	17.1	1.28	8.3	22.8	25.0	
07/11/2007	9:37	0.4	15.5	17.0	200	22.4	0.71	8.2	22.8	21.1	
07/18/2007	9:28	0.5	0.0	18.8	410	16.6	0.98	8.2	24.4	26.7	
07/25/2007	9:29	0.3	0.0	0.0	410	15.8	1.1	8.0	21.7	23.9	
08/01/2007	9:34	0.6	0.0	0.0	50	6.3	0.61	8.3	25.6	30.6	
08/08/2007	9:27	4.2	0.0	17.0	960	30.3	2.11	7.8	23.9	26.7	
08/15/2007	9:14	0.9	6.1	11.9	50	20.1	0.98	8.1	22.8	21.7	
08/22/2007	9:41	42.2	14.0	14.5	410	72.2	5.39	7.6	20.6	25.0	
08/29/2007	9:26	13.8	0.0	0.0	50	11.48	2.69	7.8	19.4	25.6	
09/06/2007	9:35	2.8	0.3	0.3	50	16	2.54	8.0	21.7	25.6	
09/13/2007	9:29	2.8	0.0	0.0	200	23	2.68	7.9	14.4	20.0	
10/11/2007	10:20	0.8	2.8	2.8	50	15.3		8.1	11.1	11.1	

05/21/2008		3.1	0.0	0.0	100						
05/29/2008	9:26	3.2	0.0	0.0	100	7.31	1.09	8.1	14.8	16	
06/04/2008	10:04	3.0	0.5	0.5	200	8.07	2.31	7.8	15	13.5	
06/11/2008	10:08	101.4	0.0	0.8	410	123.8	8.73	7.3	19.8	18	
06/18/2008	10:04	9.8	1.5	1.5	100	19.5	3.14	7.7	19	19.5	
06/25/2008	9:53	3.5	0.3	0.3	100	23.4	2.59	7.8	20.3	22	
07/02/2008	9:18	2.4	0.0	0.0	200	17.7	2.43	7.9	22	23.8	
07/09/2008	9:38	5.3	0.0	16.3	520	19	2.18	7.8	21.5	22	
07/16/2008	9:47	2.6	0.8	0.8	100	21.8	2.82	7.8	25.2	29	0.125
07/23/2008	9:28	1.2	0.0	0.0	300	20.6	1.98	8.0	23	22	
07/30/2008	9:24	0.5	0.0	0.0	100	14.4	1.22	8.0	24	28.5	
08/06/2008	10:02	2.0	0.0	12.2	410	17.7	1.14	8.0	24.6	28.7	
08/13/2008	9:32	0.7	4.8	4.8	200	17.7	2.13	8.0	21.2	21	
08/20/2008	9:23	0.4	0.0	0.0	100	4.7	1.11	8.1	21.3	22.5	
08/27/2008	9:14	0.2	0.0	0.0	100	17.1	1.26	7.8	20.4	22.6	
09/04/2008	10:02	0.3	9.7	11.4	3820	29.3	2.79	7.7	18.5	16	
09/09/2008	10:44	1.5	0.0	5.8	200	28.5	3.52	7.7	17	19.2	
09/18/2008	10:40	2.2	0.0	0.0	200	19.7	3.04	7.7	17.8	19.8	
09/23/2008	9:32	0.5	0.0	0.3	100	10.3	1.51	7.9	19.4	21.3	
09/30/2008	9:24	0.3	5.3	5.3	100	10.4	1.42	7.9	16.2	14.1	
10/07/2008	9:27	0.2	0.0	5.1	100	0.4	0.75	8.1	13.8	16	0.1

MEAN	434.9	24.3	2.2	7.9	20.4	22.2	0.1
SD	933.8	26.4	1.6	0.2	3.6	4.8	0.0
MEDIAN	200.0	17.7	2.0	7.9	21.3	22.0	0.1
MAX	4,570	124	8.73	8.34	26.11	30.56	0.13
MIN	50.00	0.40	0.61	7.26	11.11	11.11	0.10

Key C = Specific Conductance
 DO = Dissolved Oxygen
 P = Phosphates

Colonial Park Footbridge @ W. High St. - East Bank

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	P (mg/l)
06/06/2007	13:05	8.3	0.3	24.9	630				17.8	20.0	
06/13/2007	9:32	1.4	0.0	0.0	200	8.52	0.93	8.2	23.9	26.1	
06/20/2007	9:36	10.3	0.0	62.2	4,790	111.9	3.46	7.7	21.7	23.9	
06/27/2007	9:30	1.3	0.0	0.0	200	31.2	2.09	8.1	26.1	30.6	
07/05/2007	9:33	0.7	0.0	0.0	100	19.2	1.23	8.2	23.3	25.0	
07/11/2007	9:41	0.4	15.5	17.0	100	21.1	0.75	8.2	22.8	21.1	
07/18/2007	9:32	0.5	0.0	18.8	520	12.6	0.48	8.2	23.9	26.7	
07/25/2007	9:33	0.3	0.0	0.0	310	12.9	1.15	8.0	22.2	23.9	
08/01/2007	9:38	0.6	0.0	0.0	200	8.2	0.59	8.3	25.6	30.6	
08/08/2007	9:30	4.2	0.0	17.0	520	32.7	2.24	7.8	23.3	26.7	
08/15/2007	9:17	0.9	6.1	11.9	100	19.98	0.93	8.1	22.8	21.7	
08/22/2007	9:45	42.2	14.0	14.5	310	70.8	5.42	7.6	19.4	25.0	
08/29/2007	9:29	13.8	0.0	0.0	200	11.77	2.77	7.9	20.6	25.6	
09/06/2007	9:38	2.8	0.3	0.3	50	17	2.31	8.0	21.7	25.6	
09/13/2007	9:25	2.8	0.0	0.0	100	16.5	2.78	7.9	14.4	20.0	
10/11/2007	10:22	0.8	2.8	2.8	200	20.1		8.1	11.1	11.1	

05/21/2008		3.1	0.0	0.0	410						
05/29/2008	9:31	3.2	0.0	0.0	100	8.3	1.16	8.1	14.5	16	
06/04/2008	10:08	3.0	0.5	0.5	100	7.75	2.52	7.8	15	13.5	
06/11/2008	10:12	101.4	0.0	0.8	630	117.2	8.61	7.3	19.8	18	
06/18/2008	10:08	9.8	1.5	1.5	100	19.2	3.02	7.6	18.2	19.5	
06/25/2008	9:56	3.5	0.3	0.3	100	24.2	2.84	7.8	20.1	22	
07/02/2008	9:22	2.4	0.0	0.0	100	17.6	2.49	7.9	21.3	23.8	
07/09/2008	9:39	5.3	0.0	16.3	310	20.5	2.29	7.8	21.5	22	
07/16/2008	9:49	2.6	0.8	0.8	100	25.3	2.72	7.8	23	29	0.125
07/23/2008	9:31	1.2	0.0	0.0	200	20.1	1.74	7.9	21.3	22	
07/30/2008	9:28	0.5	0.0	0.0	100	13.8	1.2	8.0	23.3	28.5	
08/06/2008	9:54	2.0	0.0	12.2	630	17.2	1.11	8.0	24.2	28.7	
08/13/2008	9:34	0.7	4.8	4.8	200	15	2	8.0	21.1	21	
08/20/2008	9:27	0.4	0.0	0.0	100	5.4	0.99	8.1	21	22.5	
08/27/2008	9:16	0.2	0.0	0.0	200	14.3	1.55	7.8	20.1	22.6	
09/04/2008	10:04	0.3	9.7	11.4	3990	32.5	3.08	7.7	18.2	16	
09/09/2008	10:47	1.5	0.0	5.8	300	27.8	3.42	7.7	16.5	19.2	
09/18/2008	10:43	2.2	0.0	0.0	100	19.5	3.09	7.7	17	19.8	
09/23/2008	9:36	0.5	0.0	0.3	200	11.1	1.42	8.0	19	21.3	
09/30/2008	9:26	0.3	5.3	5.3	610	10.3	1.36	7.9	16	14.1	
10/07/2008	9:30	0.2	0.0	5.1	100	7.6	0.72	8.1	13.6	16	0.1

MEAN	465.1	24.3	2.2	7.9	20.1	22.2	0.1
SD	972.0	25.3	1.6	0.2	3.6	4.8	0.0
MEDIAN	200.0	17.6	2.0	7.9	21.1	22.0	0.1
MAX	4,790	117	8.61	8.30	26.11	30.56	0.13
MIN	50.00	5.40	0.48	7.26	11.11	11.11	0.10

Key C = Specific Conductance
 DO = Dissolved Oxygen
 P = Phosphates

Lincoln Park Steelhead Facility

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	DO (mg/l)	P (mg/l)
06/06/2007	13:22	8.3	0.3	24.9	1,090				17.2	20.0		
06/13/2007	9:40	1.4	0.0	0.0	50	9.4	0.86	8.22	23.9	26.1		
06/20/2007	9:40	10.3	0.0	62.2	5,560	111.6	3.59	7.68	21.1	24.4		
06/27/2007	9:36	1.3	0.0	0.0	310	29.8	1.88	8.07	26.1	31.1		
07/05/2007	9:38	0.7	0.0	0.0	50	18.4	1.19	8.25	23.3	25.0		
07/11/2007	9:48	0.4	15.5	17.0	100	15.8	0.35	8.12	22.8	21.7		
07/18/2007	9:37	0.5	0.0	18.8	100	16	1.08	8.12	23.9	27.2		
07/25/2007	9:38	0.3	0.0	0.0	200	17.4	1.04	7.97	22.2	23.9		
08/01/2007	9:44	0.6	0.0	0.0	410	7.43	0.44	8.34	26.1	30.6		
08/08/2007	9:34	4.2	0.0	17.0	850	31.4	2.22	7.82	23.9	26.7		
08/15/2007	9:28	0.9	6.1	11.9	50	19.19	0.67	8.08	22.8	21.7		
08/22/2007	9:51	42.2	14.0	14.5	310	70.9	5.44	7.58	19.4	25.0		
08/29/2007	9:36	13.8	0.0	0.0	100	11.01	2.91	7.88	20.6	26.1		
09/06/2007	9:43	2.8	0.3	0.3	200	14.7	2.35	7.98	21.7	25.6		
09/13/2007	9:35	2.8	0.0	0.0	100	16.5	3.06	7.95	15.0	20.0		
10/11/2007	10:25	0.8	2.8	2.8	100	19.8		7.5	11.1	11.1		

05/21/2008		3.1	0.0	0.0	310							
05/29/2008	9:38	3.2	0.0	0.0	200	8.25	1.07	8.12	14.8	16.1		
06/04/2008	10:15	3.0	0.5	0.5	100	9.58	2.07	7.82	15.9	13	8.95	
06/11/2008		101.4	0.0	0.8		unable to take sample						
06/18/2008	10:13	9.8	1.5	1.5	100	17.4	3.14	7.7	18.7	20.2	8.51	
06/25/2008	10:03	3.5	0.3	0.3	100	26	2.71	7.81	20.6	22.3	8.41	
07/02/2008	9:28	2.4	0.0	0.0	100	17.3	2.14	7.9	22	23.8	8.25	
07/09/2008	9:47	5.3	0.0	16.3	1100	18.6	2.27	7.84	22.4	22	7.89	
07/16/2008	9:56	2.6	0.8	0.8	100	22.5	2.66	7.83	23.7	28.7	8.09	0.125
07/23/2008	9:37	1.2	0.0	0.0	100	21.1	1.96	7.99	22.2	23	8.26	
07/30/2008	9:36	0.5	0.0	0.0	100	14.7	1.26	8.04	24.3	30.2	7.23	
08/06/2008	10:10	2.0	0.0	12.2	100	19.2	1.03	8	24.8	27.6	7.97	
08/13/2008	9:40	0.7	4.8	4.8	200	14.8	2.16	7.98	21.3	21.5	7.01	
08/20/2008	9:33	0.4	0.0	0.0	200	4.5	0.95	8.09	22	22	8.2	
08/27/2008	9:22	0.2	0.0	0.0	100	15.5	1.59	7.82	20.4	23	7.67	
09/04/2008	10:10	0.3	9.7	11.4	5730	26.5	2.69	7.68	18.9	16	7.23	
09/09/2008	10:55	1.5	0.0	5.8	300	27.5	3.38	7.7	17.1	17.9	9.13	
09/18/2008	10:49	2.2	0.0	0.0	200	20.3	3.05	7.76	17.4	19.8	9.14	
09/23/2008	9:46	0.5	0.0	0.3	100	8.8	1.49	7.98	19.1	22	8.78	
09/30/2008	9:29	0.3	5.3	5.3	100	9.3	1.44	7.83	16.8	15.8	7.41	
10/07/2008	9:35	0.2	0.0	5.1	100	8.8	0.7	8.03	13.8	15	8.35	0.1

MEAN					528.3	21.2	2.0	7.9	20.5	22.5	8.1	0.1
SD					1284.9	19.6	1.1	0.2	3.6	4.9	0.6	0.0
MEDIAN					100.0	17.4	2.0	8.0	21.3	22.3	8.2	0.1
MAX					5,730	112	5.44	8.34	26.11	31.11	9.14	0.13
MIN					50.00	4.50	0.35	7.50	11.11	11.11	7.01	0.10

Key C = Specific Conductance
 DO = Dissolved Oxygen
 P = Phosphates

Lincoln Park Footbridge to Spring Street

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	P (mg/l)
06/06/2007	13:35	8.3	0.3	24.9	410				17.8	20.0	
06/13/2007	9:47	1.4	0.0	0.0	50	8.8	0.8	8.2	23.9	26.7	
06/20/2007	9:47	10.3	0.0	62.2	4,280	111.2	3.5	7.7	21.7	24.4	
06/27/2007	9:42	1.3	0.0	0.0	310	27.5	1.84	8.1	26.7	30.6	
07/05/2007	9:46	0.7	0.0	0.0	200	18	1.17	8.2	23.9	25.0	
07/11/2007	9:58	0.4	15.5	17.0	310	17.2	0.74	8.2	22.8	22.8	
07/18/2007	9:47	0.5	0.0	18.8	630	14	0.93	8.2	23.9	27.8	
07/25/2007	9:45	0.3	0.0	0.0	200	15	1.03	8.0	22.8	23.9	
08/01/2007	9:52	0.6	0.0	0.0	50	7.04	0.54	8.3	25.0	30.0	
08/08/2007	9:40	4.2	0.0	17.0	740	29	2.16	7.8	23.9	25.6	
08/15/2007	9:45	0.9	6.1	11.9	100	20.5	0.84	8.1	22.2	21.7	
08/22/2007	9:57	42.2	14.0	14.5	410	72	5.18	7.6	20.6	25.0	
08/29/2007	9:41	13.8	0.0	0.0	50	11.12	2.8	7.8	20.0	26.1	
09/06/2007	9:50	2.8	0.3	0.3	50	13.5	2.59	8.0	21.1	25.6	
09/13/2007	9:41	2.8	0.0	0.0	100	18.2	0	8.0	15.0	20.0	
10/11/2007	11:10	0.8	2.8	2.8	100	17.6		8.1	13.9	11.1	

05/21/2008		3.1	0.0	0.0	100						
05/29/2008	9:46	3.2	0.0	0.0	100	8.33	1.11	8.1	15	18.6	
06/04/2008	10:24	3.0	0.5	0.5	100	7.23	2.27	7.8	15.1	12.8	
06/11/2008	10:33	101.4	0.0	0.8	100	122.5	8.38	7.3	19.6	17	
06/18/2008	10:25	9.8	1.5	1.5	100	15.3	3.17	7.7	18.6	22	
06/25/2008	10:11	3.5	0.3	0.3	100	30.3	2.32	7.9	20.4	22.3	
07/02/2008	9:37	2.4	0.0	0.0	100	16.7	2.4	7.9	22	23.5	
07/09/2008	9:54	5.3	0.0	16.3	410	20.7	2.09	7.9	22.5	23	
07/16/2008	10:03	2.6	0.8	0.8	100	21.4	2.89	7.8	24	29	0.12
07/23/2008	9:45	1.2	0.0	0.0	310	18.7	1.87	8.0	22.4	23.4	
07/30/2008	9:45	0.5	0.0	0.0	200	13.2	1.13	8.1	24.1	29	
08/06/2008	10:16	2.0	0.0	12.2	630	17.8	1.16	8.0	25.0	28.7	
08/13/2008	9:47	0.7	4.8	4.8	310	14.4	2	8.0	22	22.9	
08/20/2008	9:41	0.4	0.0	0.0	100	4.7	0.93	8.1	22.2	25	
08/27/2008	9:30	0.2	0.0	0.0	100	14.6	1.52	7.8	20.8	25.4	
09/04/2008	10:28	0.3	9.7	11.4	11370	22.6	4.46	7.7	18	16.1	
09/09/2008	11:01	1.5	0.0	5.8	410	23.9	3.2	7.7	17.8	20.8	
09/18/2008	10:59	2.2	0.0	0.0	200	20	2.92	7.8	18	20	
09/23/2008	9:53	0.5	0.0	0.3	200	7.2	1.56	8.0	19.5	23	
09/30/2008	9:39	0.3	5.3	5.3	6190	9.8	1.47	7.8	16.2	16.5	
10/07/2008	9:43	0.2	0.0	5.1	200	11.7	0.72	8.0	14	15	0.1

MEAN	795.1	23.5	2.1	7.9	20.6	22.8	0.1
SD	2142.8	25.9	1.6	0.2	3.4	4.8	0.0
MEDIAN	200.0	17.2	1.9	8.0	21.4	23.2	0.1
MAX	11,370	123	8.38	8.33	26.67	30.56	0.12
MIN	50.00	4.70	0.00	7.27	13.89	11.11	0.10

Key C = Specific Conductance
 DO = Dissolved Oxygen
 P = Phosphates

OF, Leudtke Court off Domanik Drive

Date	Time	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	Cu (µg/L)	Phenols (µg/L)	Detergents (mg/L)	Cl (mg/L)	P (mg/l)
05/31/2007	11:05	0.0	0.0	1,600				11.7	23.9					
06/06/2007	13:45	0.3	24.9	241917				15.6	20.6					
06/13/2007	9:55	0.0	0.0	13,170	2.4	0.06	7.93	14.4	25.6	0	0	0.125	0	
06/20/2007	9:58	0.0	62.2	14550	83.3	1.83	7.74	16.1	25.0	0	0	0.125	0	
06/27/2007	9:51	0.0	0.0	47860	2.17	0.11	8.08	15.0	30.6	0	0	0.250	0	
07/05/2007	9:53	0.0	0.0	850	2.43	0.19	8.02	15.0	25.6	0	0	0.375	0	
07/11/2007	10:09	15.5	17.0	310	0.6	1.14	8.07	15.0	21.7	0	0	0.125	0	
07/18/2007	9:55	0.0	18.8	1340	10.7	1.54	8.12	15.6	26.1	0	0	0.125	0	
07/25/2007	9:54	0.0	0.0	310	0.58	2.65	8.1	16.1	24.4	0	0	0.125	0	
08/01/2007	10:00	0.0	0.0	980	0.74	1.56	8.11	16.7	29.4	0	0	0.125	0	
08/08/2007	9:47	0.0	17.0	2160	0.6	0.49	8.12	15.6	22.8	0	0	0.125	0	
08/15/2007	9:38	6.1	11.9	23820	0.47	0.06	8.14	15.0	21.1	0	0	0.150	0	
08/29/2007	9:49	0.0	0.0	1560	12.35	1.38	7.52	18.3	26.1	0	0	0.125	0	
09/06/2007	9:58	0.3	0.3	2110	22.2	0.05	8.12	14.4	26.1	0	0	0.125	0	
09/13/2007	9:46	0.0	0.0	9600	2.2	0.32	8.16	13.3	20.6	0	0	0.100	0	
10/11/2007	10:30	2.8	0.0	630	21.1		7.85	11.1	11.1					
10/16/2007	10:18	19.3	31.0	81,640	11.6	2.21	7.87		15.0				0.1	

Date	Time	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°F)	Air Temp. (°F)	Detergents (mg/L)	Cl (mg/L)	P (mg/l)
05/21/2008		0	0	1,580								
05/29/2008	9:53	0	0	410	0.74	0.27	8.08	9	18.5	0.125	0	0.15
06/04/2008	10:31	0.02	0.02	520	2.6	0.46	7.84	10	12.8	0.375	0	0.15
06/11/2008		0	0.03		unable to take sample							
06/18/2008		0.06	0.06		unable to take sample							
06/25/2008	10:22	0.01	0.01	1310	0.8	0.37	8	11.7	21.2	0.125	0	0.1
07/02/2008	9:42	0	0	41060	0.8	0.42	8	12.5	23.6	0.25	0	0.175
07/09/2008	10:02	0	0.64	1730	0.9	0.75	7.94	13	20	0.2	0	0.11
07/16/2008	10:10	0.03	0.03	2280	22	0.26	7.97	13	28.5	0.25	0.05	0.12
07/23/2008	9:52	0	0	17,890	0.83	0.56	8.01	13	23	0.2	0	0
07/30/2008	9:51	0	0	1,220	0.87	0.29	7.95	13.4	27	0.125	0	
08/06/2008	10:22	0	0.48	1,600	0.5	0.47	8.01	15.1	23	0.125	0	0
08/13/2008	9:54	0.19	0.19	198,628	5.1	2.94	7.71	14.8	22	0.75	0	0
08/20/2008	9:49	0	0	18500	0.6	0.26	8.09	13.8	25	0.2	0	
08/27/2008	9:37	0	0	51,720	1.87	0.08	7.89	14.9	21.8	0.125	0	
09/04/2008		0.38	0.45		unable to take sample							
09/09/2008	11:07	0	0.23	4410	0.77	1.12	8.08	14.2	17.5	0.3	0	
09/18/2008	11:02	0	0	4540	0.86	0.31	8.08	14.8	20	0.05	0	
09/23/2008	10:01	0	0.01	6220	1.1	0.13	8.02	13.8	23	0.375	0	
09/30/2008	9:44	0.21	0.21	12810	1.7	0.38	8.01	13.2	16.5	0.2	0	
10/07/2008	9:49	0	0.2	3090	1.13	0.21	8.16	14	15	0.125	0	

MEAN	23255	6.8	0.7	8.0	14.0	22.2	0.2	0.0	0.1
SD	52681	15.4	0.8	0.1	1.9	4.5	0.1	0.0	0.1
MEDIAN	2280	1.1	0.4	8.0	14.4	22.9	0.1	0.0	0.1
MAX	241917	83.30	2.94	8.16	18.33	30.56	0.75	0.10	0.18
MIN	310	0.47	0.05	7.52	9.00	11.11	0.05	0.00	0.00

OF, Leudtke Ct. off Spring St.

Date	Time	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	Turbidity (NTU)	Conductivity (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	Cu (µg/L)	Phenols (µg/L)	Detergents (mg/L)	Cl (mg/L)
05/31/2007	11:09	0.0	0.0	50				12.8	23.9				
06/06/2007	13:52	0.3	24.9	410				15.0	20.6				
06/13/2007	10:04	0.0	0.0	100	2.51	0	7.95	15.0	26.1	0	0	0.375	0
06/20/2007	10:06	0.0	62.2	1200	19.89	0	7.89	15.6	25.0	0	0	0.375	0
06/27/2007	9:58	0.0	0.0	1200	6.23	0	7.75	15.6	30.0	0	0	0.625	0
07/05/2007	10:00	0.0	0.0	6770	12.4	0.01	7.93	15.6	25.0	0	0	0.250	0
07/11/2007	10:17	15.5	17.0	11980	124.1	0.40	7.68	16.7	21.7	0	0	0.375	0
07/18/2007	9:59	0.0	18.8	100	89.1	2.30	7.99	18.9	27.2	0	0	0	0
07/25/2007	10:03	0.0	0.0	310	12.66	0.01	8.03	17.2	24.4	0	0	0.375	0
08/01/2007	10:07	0.0	0.0	410	14.76	0.01	7.98	17.8	30.6	0	0	0.375	0
08/08/2007	9:54	0.0	17.0	4720	2.7	0.01	7.97	17.2	22.8	0	0	0.250	0
08/15/2007	9:53	6.1	11.9	310	1.84	0	8.02	17.8	21.1	0	0	0.500	0
08/29/2007	9:57	0.0	0.0	100	2.21	0.01	7.22	20.6	26.7	0	0	0.125	0
09/06/2007	10:04	0.3	0.3	50	5.01	0	7.17	17.2	26.1	0	0	0.250	0
09/13/2007	9:52	0.0	0.0	50	22	0	7.35	14.4	20.0	0	0	0.250	0
10/11/2007	10:39	2.8	0.0	240	7.6		7.53	15.6	11.1	0	0	0.250	0
10/16/2007	10:13	19.3	31.0	1,300	9.48	3.9	7.42		15.0				0

Date	Time	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	Turbidity (NTU)	Conductivity (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	Detergents (mg/L)	Cl (mg/L)	P (mg/l)
05/21/2008		0	0	1,950								
05/29/2008	9:58	0	0	200	6.77	0.31	7.42	9.8	18	0.125	0	0.2
06/04/2008	10:40	0.02	0.02	410	2.7	0.01	7.55	10.1	12.2	0.125	0	0.1
06/11/2008		0	0.03									
06/18/2008	10:35	0.06	0.06	7080	7.2	0.01	7.11	12.6	22.7	0.25	0	0.15
06/25/2008	10:31	0.01	0.01	740	13.2	0.01	7.23	12.8	21.2	0.25	0	0.1
07/02/2008	9:49	0	0	1210	5.27	0.01	7.22	13.1	23.6	0.25	0.05	0.125
07/09/2008	10:07	0	0.64	1090	0.46	0.01	7.36	14.2	20	0.25	0	0.11
07/16/2008	10:16	0.03	0.03	200	37.5	0.01	7.43	12.2	28.5	0.2	0	0.15
07/23/2008	9:57	0	0	100	0.48	0.01	7.5	11.8	23	0.25	0	
07/30/2008	9:58	0	0	200	36	0.01	7.61	16	27	0.25	0	
08/06/2008	10:31	0	0.48	5,200	2.8	0.01	7.89	16.7	25	0.25	0	
08/13/2008	9:59	0.19	0.19	27,230	45.3	0.27	7.6	18	22	No readin	0	
08/20/2008	9:57	0	0	1100	8.7	0.01	8.05	13	22	0.3	0	
08/27/2008	9:46	0	0	1,200	15.2	0.01	7.88	17	21.8	0.375	0	
09/04/2008	10:33	0.38	0.45	5120	25.7	0.01	7.21	18	16.1	0.1	0	
09/09/2008	11:14	0	0.23	981	4.4	0.01	7.98	14.1	17.5	0.25	0	
09/18/2008	11:07	0	0	730	9.96	0.01	7.96	16.1	21	0.125	0	
09/23/2008	10:08	0	0.01	2130	21.7	0.01	7.96	16.2	22.23	0.25	0	
09/30/2008	9:50	0.21	0.21	3270	45.8	0.01	7.94	15	16	0.25	0	
10/07/2008	9:56	0	0.2	8130	21.7	0.02	8.1	14	17	0.25	0	

2007 and 2008

MEAN	2637.1	18.9	0.2	7.7	15.2	22.1	0.265	0.001
SD	4992.1	25.8	0.8	0.3	2.4	4.6	0.119	0.009
MEDIAN	981.0	9.7	0.0	7.7	15.6	22.1	0.250	0.000
MAX	27,230.00	124.10	3.90	8.10	20.56	30.56	0.625	0.050
MIN	50.00	0.46	0.00	7.11	9.80	11.11	0.000	0.000

Spring St. and Domanik Dr. (Under Bridge between Lincoln & Island Parks)

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	DO (mg/l)	P (mg/l)
06/06/2007	13:55	8.3	0.3	24.9	410				17.8	18.9		
06/13/2007	10:08	1.4	0.0	0.0	520	7.74	0.91	8.3	23.9	25.0		
06/20/2007	10:11	10.3	0.0	62.2	4,950	108.2	2.91	7.6	21.1	23.9		
06/27/2007	10:03	1.3	0.0	0.0	740	26.4	1.26	8.06	26.1	30.0		
07/05/2007	10:06	0.7	0.0	0.0	1750	16.9	1.25	8.24	22.8	25.0		
07/11/2007	10:21	0.4	15.5	17.0	2590	14.6	0.74	8.16	21.7	22.8		
07/18/2007	10:05	0.5	0.0	18.8	3740	13.2	0.71	8.1	23.9	28.9		
07/25/2007	10:07	0.3	0.0	0.0	1610	30.7	0.66	8.03	22.2	24.4		
08/01/2007	10:12	0.6	0.0	0.0	730	7.4	0.25	8.29	26.1	31.7		
08/08/2007	9:58	4.2	0.0	17.0	3360	32.4	2.15	7.91	23.9	25.6		
08/15/2007	9:59	0.9	6.1	11.9	200	19.95	0.78	8.07	21.7	21.1		
08/22/2007	10:08	42.2	14.0	14.5	630	71	5.22	7.59	20.0	25.6		
08/29/2007	10:00	13.8	0.0	0.0	2720	10.34	2.35	7.79	19.4	26.7		
09/06/2007	10:08	2.8	0.3	0.3	50	11.4	1.84	8.05	21.7	26.1		
09/13/2007	9:54	2.8	0.0	0.0	310	15.3	2.69	8.01	15.0	20.0		
10/11/2007	10:47	0.8	2.8	2.8	1090	18.85		8.05	12.8	11.1		

05/21/2008		3.1	0.0	0.0	960							
05/29/2008	10:04	3.2	0.0	0.0	400	7.93	0.75	8.04	14.5	18		
06/04/2008	10:46	3.0	0.5	0.5	5,650	7.18	2.12	7.78	15	12.2	8.87	
06/11/2008	10:42	101.4	0.0	0.8	100	137.9	8.7	7.3	20.5	15.9	6.55	
06/18/2008	10:40	9.8	1.5	1.5	5760	21.8	2.97	7.69	19	21.2	8.61	
06/25/2008	10:37	3.5	0.3	0.3	100	20.5	2.34	7.83	20.7	21.2	8.39	
07/02/2008	9:53	2.4	0.0	0.0	310	16.25	1.83	7.89	22.3	23.6	8.18	
07/09/2008	10:13	5.3	0.0	16.3	1890	22.5	1.79	7.85	22.8	20	7.9	
07/16/2008	10:21	2.6	0.8	0.8	630	18.4	2.95	7.81	24	27.2	8.08	0.17
07/23/2008	10:02	1.2	0.0	0.0	8,390	18.1	1.57	7.97	22.3	20.8	8.3	
07/30/2008	10:03	0.5	0.0	0.0	17,250	13.6	1.06	7.96	24.2	26	6.55	
08/06/2008	10:36	2.0	0.0	12.2	2,720	17	0.65	7.96	24.5	25	7.85	
08/13/2008	10:08	0.7	4.8	4.8	15,050	15.4	1.53	7.86	21.1	22.1	6.97	
08/20/2008	10:01	0.4	0.0	0.0	9880	6	0.62	8.01	22	22.6	6.67	
08/27/2008	9:52	0.2	0.0	0.0	410	13.96	1.05	7.75	21	21.8	6.13	
09/04/2008	10:40	0.3	9.7	11.4	23590	20.5	3.37	7.64	18.5	16.1	7.44	
09/09/2008	11:20	1.5	0.0	5.8	630	26	2.86	7.7	17.2	17.5	9.2	
09/18/2008	11:10	2.2	0.0	0.0	520	17.38	2.66	7.78	17.7	21	9.33	
09/23/2008	10:13	0.5	0.0	0.3	1460	12.4	1.67	7.95	19.5	22.2	8.8	
09/30/2008	9:57	0.3	5.3	5.3	2160	11.8	1.31	7.78	16.7	16.1	6.98	
10/07/2008	9:58	0.2	0.0	5.1	410	4.9	0.6	7.99	14.1	15.2	7.38	0.1

MEAN					3342	23.8	1.9	7.9	20.5	22.0	7.8	0.1
SD					5253	27.5	1.6	0.2	3.4	4.7	1.0	0.0
MEDIAN					1090	16.9	1.6	8.0	21.1	22.2	7.9	0.1
MAX					23590	137.9	8.7	8.3	26.1	31.7	9.3	0.2
MIN					50	4.9	0.3	7.3	12.8	11.1	6.1	0.1

Key C = Specific Conductance
DO = Dissolved Oxygen
P = Phosphates

Island Park footbridge behind Racine Lutheran- West Bank

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	DO (mg/l)	P (mg/l)
06/06/2007	10:10	8.3	0.3	24.9	980				17.8	18.9		
06/13/2007	10:12	1.4	0.0	0.0	310	8.78	0.90	8.2	23.9	26.1		
06/20/2007	10:16	10.3	0.0	62.2	6,440	107.7	2.75	7.56	21.7	24.4		
06/27/2007	10:09	1.3	0.0	0.0	1460	28.1	1.40	8.03	26.1	29.4		
07/05/2007	10:12	0.7	0.0	0.0	520	19	0.46	8.07	22.8	25.0		
07/11/2007	10:27	0.4	15.5	17.0	10140	8.2	1.13	7.83	21.7	23.3		
07/18/2007	10:10	0.5	0.0	18.8	5300	8.5	1.52	7.76	22.8	28.3		
07/25/2007	10:12	0.3	0.0	0.0	50	9.3	0.74	7.84	21.7	24.4		
08/01/2007	10:16	0.6	0.0	0.0	2030	6.49	0.31	8.1	25.6	29.4		
08/08/2007	10:04	4.2	0.0	17.0	630	31.5	2.09	7.9	23.9	25.6		
08/15/2007	10:10	0.9	6.1	11.9	740	22.1	1.02	8.08	22.8	22.8		
08/22/2007	10:14	42.2	14.0	14.5	630	61.9	4.99	7.57	18.3	25.6		
08/29/2007	10:05	13.8	0.0	0.0	200	13.31	2.51	7.78	20.0	26.7		
09/06/2007	10:18	2.8	0.3	0.3	50	11.5	2.22	7.93	22.8	25.6		
09/13/2007	10:01	2.8	0.0	0.0	520	15.4	0.00	7.95	16.1	19.4		
10/11/2007	10:58	0.8	2.8	2.8	2780	10.4		7.66	12.8	11.1		

05/21/2008		3.1	0.0	0.0	2,755							
05/29/2008	10:12	3.2	0.0	0.0	630	7.19	0.74	7.99	14	17.4		
06/04/2008	10:53	3.0	0.5	0.5	3,010	7.48	2.17	7.78	15	12.6	7.63	
06/11/2008	10:52	101.4	0.0	0.8	200	108	8.9	7.28	19.4	15.9	7.65	
06/18/2008	10:53	9.8	1.5	1.5	1210	18.8	2.89	7.7	18.8	21.8	8.51	
06/25/2008	10:48	3.5	0.3	0.3	630	26.9	2.39	7.86	20.6	21	8.24	
07/02/2008	10:01	2.4	0.0	0.0	100	15.57	1.78	7.92	22	24	8.24	
07/09/2008	10:21	5.3	0.0	16.3	740	20.1	1.73	7.88	22.5	19.5	7.81	
07/16/2008	10:30	2.6	0.8	0.8	730	24.2	2.65	7.78	23.8	26.8	7.97	0.12
07/23/2008	10:10	1.2	0.0	0.0	8,670	17.9	1.5	7.99	22	20.5	8.28	
07/30/2008	10:11	0.5	0.0	0.0	410	15.3	0.88	7.96	24.2	26.8	6.03	
08/06/2008	10:44	2.0	0.0	12.2	860	16.9	0.6	7.97	24.5	26	7.88	
08/13/2008	10:12	0.7	4.8	4.8	2,780	15.1	1.46	7.87	20.8	21.5	7.16	
08/20/2008	10:12	0.4	0.0	0.0	3500	5.1	0.65	8.02	22.1	24	7.04	
08/27/2008	10:01	0.2	0.0	0.0	740	10.38	1.12	7.8	20.8	22	6.13	
09/04/2008	10:51	0.3	9.7	11.4	10540	14.3	6.07	7.54	18.5	16.1	7.85	
09/09/2008	11:33	1.5	0.0	5.8	520	25.7	2.79	7.69	17	18.5	9.15	
09/18/2008	11:20	2.2	0.0	0.0	200	18.12	2.41	7.76	17.4	20	9.24	
09/23/2008	10:27	0.5	0.0	0.3	200	6.5	1.68	7.95	19	22.2	8.48	
09/30/2008	10:05	0.3	5.3	5.3	2650	10.3	1.34	7.78	16.6	16.3	7.2	
10/07/2008	10:05	0.2	0.0	5.1	630	8.2	0.77	8.06	14.2	15.6	7.59	0.1

MEAN	2013	21.5	2.0	7.9	20.4	22.1	7.8	0.1
SD	2763	23.9	1.7	0.2	3.4	4.6	0.8	0.0
MEDIAN	740	15.3	1.5	7.9	21.2	22.5	7.9	0.1
MAX	10540	108.0	8.90	8.20	26.11	29.44	9.24	0.12
MIN	50	5.10	0.00	7.28	12.78	11.11	6.03	0.10

Key C = Specific Conductance
DO = Dissolved Oxygen
P = Phosphates

Island Park footbridge behind Racine Lutheran - Middle of Bridge

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	P (mg/l)
06/06/2007	14:18	8.3	0.3	24.9	310				17.2	18.9	
06/13/2007	10:15	1.4	0.0	0.0	310	9	0.93	8.25	24.4	26.1	
06/20/2007	10:19	10.3	0.0	62.2	5,200	96.8	2.89	7.39	21.7	24.4	
06/27/2007	10:13	1.3	0.0	0.0	520	26.6	1.43	8.08	26.7	29.4	
07/05/2007	10:15	0.7	0.0	0.0	1090	17.3	0.89	8.11	22.8	25.0	
07/11/2007	10:30	0.4	15.5	17.0	34480	8.3	1.06	7.89	21.7	23.3	
07/18/2007	10:13	0.5	0.0	18.8	5210	11.8	2.13	7.72	22.8	28.3	
07/25/2007	10:16	0.3	0.0	0.0	50	4.5	0.88	7.76	21.7	24.4	
08/01/2007	10:18	0.6	0.0	0.0	1990	7.3	0.4	8.11	26.1	29.4	
08/08/2007	10:06	4.2	0.0	17.0	620	34.9	2.09	7.9	23.9	25.6	
08/15/2007	10:08	0.9	6.1	11.9	630	20.4	0.82	8.02	22.8	22.8	
08/22/2007	10:17	42.2	14.0	14.5	410	71.5	5.04	7.58	18.3	25.6	
08/29/2007	10:08	13.8	0.0	0.0	50	10.64	2.52	7.79	20.0	26.7	
09/06/2007	10:14	2.8	0.3	0.3	100	12.3	2.45	8.03	22.2	25.6	
09/13/2007	10:02	2.8	0.0	0.0	310	14.3	2.23	7.96	16.1	19.4	
10/11/2007	10:56	0.8	2.8	2.8	200	11.2		7.56	12.8	11.1	

05/21/2008		3.1	0.0	0.0	121						
05/29/2008	10:14	3.2	0.0	0.0	310	8.46	0.7	8.02	14.2	17.4	
06/04/2008	10:55	3.0	0.5	0.5	1,730	7.51	2.1	7.81	14.9	12.6	
06/11/2008	10:54	101.4	0.0	0.8	200	125.9	7.47	7.3	19.2	15.9	
06/18/2008	10:58	9.8	1.5	1.5	1870	19.7	3.04	7.73	19	21.8	
06/25/2008	10:52	3.5	0.3	0.3	410	22.2	2.42	7.86	20.2	21	
07/02/2008	10:05	2.4	0.0	0.0	100	16.45	1.79	7.92	22	24	
07/09/2008	10:22	5.3	0.0	16.3	740	18.8	1.78	7.87	22	19.5	
07/16/2008	10:30	2.6	0.8	0.8	410	20.6	2.75	7.84	24.5	27	0.2
07/23/2008	10:12	1.2	0.0	0.0	5,710	18	1.51	8.01	21.4	20.5	
07/30/2008	10:13	0.5	0.0	0.0	200	14.3	1.02	7.97	23.9	26.8	
08/06/2008	10:45	2.0	0.0	12.2	520	19.1	0.68	8.02	25	26	
08/13/2008	10:15	0.7	4.8	4.8	13,960	12.9	1.58	7.4	20.3	21.5	
08/20/2008	10:14	0.4	0.0	0.0	4350	4.9	0.74	8.01	21.6	24	
08/27/2008	10:03	0.2	0.0	0.0	730	10.54	1.18	7.8	20.8	22	
09/04/2008	10:57	0.3	9.7	11.4	6770	19.6	3.36	7.67	18	16.1	
09/09/2008	11:35	1.5	0.0	5.8	100	24.3	2.95	7.72	17	18.8	
09/18/2008	11:27	2.2	0.0	0.0	100	18.33	2.69	7.78	18	20	
09/23/2008	10:32	0.5	0.0	0.3	200	11.6	1.22	7.97	18.4	22.2	
09/30/2008	10:08	0.3	5.3	5.3	9590	14.6	1.35	7.78	16	16.3	
10/07/2008	10:07	0.2	0.0	5.1	410	8.2	0.51	8.03	14.1	15.6	0.1

MEAN		2703	22.1	2.0	7.8	20.3	22.1	0.2
SD		6174	25.3	1.4	0.2	3.5	4.6	0.1
MEDIAN		410	14.6	1.7	7.9	21.1	22.5	0.2
MAX		34480	125.90	7.47	8.25	26.67	29.44	0.20
MIN		50	4.50	0.40	7.30	12.78	11.11	0.10
Key	C = Specific Conductance							
	DO = Dissolved Oxygen							
	P = Phosphates							

Island Park footbridge behind Racine Lutheran - East Bank

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	P (mg/l)
06/06/2007	10:25	8.3	0.3	24.9	740				17.8	18.9	
06/13/2007	10:18	1.4	0.0	0.0	50	8.54	1.00	8.23	24.4	26.1	
06/20/2007	10:22	10.3	0.0	62.2	4,570	115	2.93	7.54	21.7	24.4	
06/27/2007	10:17	1.3	0.0	0.0	100	26.3	1.50	8.02	26.1	29.4	
07/05/2007	10:18	0.7	0.0	0.0	3590	17.8	0.82	8.08	22.8	25.0	
07/11/2007	10:33	0.4	15.5	17.0	24890	8.11	1.21	7.93	21.7	23.3	
07/18/2007	10:15	0.5	0.0	18.8	5650	14.2	2.27	7.76	23.3	28.3	
07/25/2007	10:19	0.3	0.0	0.0	1460	12.78	0.64	7.86	21.7	24.4	
08/01/2007	10:20	0.6	0.0	0.0	1730	7.48	0.29	8.12	26.1	29.4	
08/08/2007	10:08	4.2	0.0	17.0	310	28.1	2.22	7.89	23.9	25.6	
08/15/2007	10:05	0.9	6.1	11.9	310	20.2	0.82	8	22.2	22.8	
08/22/2007	10:21	42.2	14.0	14.5	2590	70.3	4.88	7.53	18.9	25.6	
08/29/2007	10:11	13.8	0.0	0.0	310	11.67	2.43	7.81	19.4	26.7	
09/06/2007	10:15	2.8	0.3	0.3	300	13.8	2.10	7.98	22.2	25.6	
09/13/2007	10:06	2.8	0.0	0.0	23590	0.92	2.45	8	16.1	19.4	
10/11/2007	10:54	0.8	2.8	2.8	410	10.4		7.64	12.8	11.1	

05/21/2008		3.1	0.0	0.0	132						
05/29/2008	10:16	3.2	0.0	0.0	100	8.36	0.87	8.04	14	17.4	
06/04/2008	10:57	3.0	0.5	0.5	2,280	8.07	2.16	7.83	15.2	12.6	
06/11/2008	10:56	101.4	0.0	0.8	100	115.2	7.39	7.29	19.4	15.9	
06/18/2008	11:00	9.8	1.5	1.5	730	20.8	3.12	7.7	18.7	21.8	
06/25/2008	10:54	3.5	0.3	0.3	100	20.7	2.34	7.87	20	21	
07/02/2008	10:04	2.4	0.0	0.0	200	16.17	1.82	7.92	21.5	24	
07/09/2008	10:31	5.3	0.0	16.3	980	20.1	1.73	7.88	22.6	19.5	
07/16/2008	10:34	2.6	0.8	0.8	100	16.9	2.98	7.85	24	26.8	0.2
07/23/2008	10:13	1.2	0.0	0.0	3,050	18	1.62	8	21.9	20.5	
07/30/2008	10:11	0.5	0.0	0.0	100	14.2	1.09	7.98	24	26.8	
08/06/2008	10:48	2.0	0.0	12.2	200	10	0.63	8.02	24.2	26	
08/13/2008	10:12	0.7	4.8	4.8	14,390	14.5	1.48	7.92	21	21.5	
08/20/2008	10:12	0.4	0.0	0.0	3320	4.8	0.75	7.99	22	24	
08/27/2008	10:01	0.2	0.0	0.0	740	10.34	1.2	7.8	19.9	22	
09/04/2008	10:58	0.3	9.7	11.4	10810	17.6	3.39	7.66	18	16.1	
09/09/2008	11:41	1.5	0.0	5.8	410	24.9	410	7.98	16.9	18.5	
09/18/2008	11:29	2.2	0.0	0.0	200	17.68	2.91	7.81	17.2	20	
09/23/2008	10:27	0.5	0.0	0.3	100	11.5	1.26	7.98	19	22.2	
09/30/2008	10:05	0.3	5.3	5.3	2750	11.6	1.32	7.84	16.4	16.3	
10/07/2008	10:06	0.2	0.0	5.1	410	8.3	0.56	8.04	16	15.6	0.1

MEAN					3022	21.6	13.9	7.9	20.4	22.1	0.2
SD					5954	25.9	70.0	0.2	3.4	4.6	0.1
MEDIAN					410	14.2	1.7	7.9	21.3	22.5	0.2
MAX					24890	115.20	410.00	8.23	26.11	29.44	0.20
MIN					50	0.92	0.29	7.29	12.78	11.11	0.10

Key C = Specific Conductance
DO = Dissolved Oxygen
P = Phosphates

OF, Glenn St. behind Racine Lutheran HS, West Bank

Date	Time	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°F)	Air Temp. (°F)	Cu (µg/L)	Phenols (µg/L)	D (mg/L)	Cl (mg/L)
07/25/2007	10:22	0.0	0.0	54,750	0.62	0.48	8.12	20.6	24.4	0	0	0.250	0
08/01/2007	10:22	0.0	0.0	32550	0.6	0.22	8.1	22.8	29.4	0	0	0.125	0
08/08/2007	10:10	0.0	17.0	2,180	0.4	0.42	7.98	19.4	25.6	0	0	0.125	0
08/15/2007	10:12	6.1	11.9	129965	0.29	0.1	8.02	18.3	22.8	0	0	0.250	0
08/29/2007	10:14	0.0	0.0	50	4.53	0.87	7.73	18.9	26.7	0	0	0.125	0
09/06/2007	10:16	0.3	0.3	1200	0.27	0.26	7.97	20.0	25.6	0	0	0.100	0
09/13/2007	10:04	0.0	0.0	19560	21.6	2.29	7.94	17.2	19.4	0	0	0.250	0
10/11/2007	10:54	2.8	2.8	46110	1.3		7.84	12.8	11.1	0	0	0.250	0
10/16/2007	10:10	19.3	31.0	6380	2.48	5.48	7.57		15.0		0		0

05/21/2008		0.0	0.0	15,531									
05/29/2008	10:19	0.0	0.0	12230	0.69	0.06	7.88	10	17.4	0.125	0	0.1	
06/04/2008	10:59	0.5	0.5	68,670	0.42	0.76	7.85	10.2	12.6	0.125	0	0.05	
06/11/2008		0.0	0.8	UNABLE TO TAKE SAMPLE									
06/18/2008	11:05	1.5	1.5	620	1.21	1.09	7.61	14.7	21.8	0.125	0	0.1	
06/25/2008	10:57	0.3	0.3	51720	1	1.5	7.81	15	21	0.125	0	0.2	
07/02/2008	10:07	0.0	0.0	20460	0.04	1.06	7.86	15.6	24	0.125	0.05	0.175	
07/09/2008	10:32	0.0	16.3	1710	0.5	0.93	7.87	16	19.5	0.2	0	0.1	
07/16/2008	10:34	0.8	0.8	51630	0.6	1.21	7.76	17	26.8	0.25	0	0.2	
07/23/2008	10:10	0.0	0.0	1,950	0.53	1.29	7.86	17.1	20.5	0.125	0		
07/30/2008	10:16	0.0	0.0	980	0.95	1.51	7.82	16.9	26.8	0.125	0		
08/06/2008	10:48	0.0	12.2	141,360	0.4	0.7	7.87	18.7	26	0.4	0		
08/13/2008	10:17	4.8	4.8	1,210	5.6	5.88	7.47	18.2	22	0.25	0		
08/20/2008	10:15	0.0	0.0	4640	0.5	1.61	8	19	22	0.2	0		
08/27/2008	10:04	0.0	0.0	198,628	0.77	1.14	7.89	18	22	0.125	0		
09/04/2008	10:53	9.7	11.4	13170	8.5	0.01	7.05	18	16.1	0.125	0		
09/09/2008	11:37	0.0	5.8	9910	0.82	1.78	7.8	18	18.5	0.2	0		
09/18/2008	11:24	0.0	0.0	7890	0.01	0.99	7.82	18.3	20	0	0		
09/23/2008	10:30	0.0	0.3	4400	0.7	0.55	7.95	18.8	22.2	0.125	0		
09/30/2008	10:07	5.3	5.3	16070	0.83	1.94	7.86	16.8	16.3	0.125	0		
10/07/2008	10:08	0.0	5.1	29870	0.22	1.14	8.05	15.2	15.6	0.125	0		

MEAN		32599.8	2.0	1.3	7.8	17.1	21.1	0.166	0.002	0.132		
SD		48003.0	4.3	1.4	0.2	2.8	4.6	0.078	0.009	0.059		
MEDIAN		13170.0	0.6	0.5	8.0	19.2	24.4	0.125	0.000	0.100		
MAX		198,628.00	21.60	5.88	8.12	22.78	29.44	0.400	0.050	0.200		
MIN		50.00	0.01	0.01	7.05	10.00	11.11	0.000	0.000	0.050		

Key C = Specific Conductance
DO = Dissolved Oxygen
P = Phosphates

OF, Leudtke and Rupert

Date	Time	PPT-24 (in.)	PPT-24 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	Cu (µg/L)	Phenols (µg/L)	D (mg/L)	Cl (mg/L)
05/31/2007	11:14	0.0	0.0	50				11.7	22.8				
06/06/2007	14:30	0.3	24.9	410				17.8	18.3				
06/13/2007	10:27	0.0	0.0	1,210	0.29	0.02	7.8	15.0	23.9	0	0	0.250	0
06/20/2007	10:28	0.0	62.2	3790	115.6	2.34	7.69	20.0	25.0	0	0	0.375	0
06/27/2007	10:23	0.0	0.0	8620	0.46	0.01	7.72	16.1	30.0	0	0	0.250	0
07/05/2007	10:23	0.0	0.0	5470	0.57	0.01	7.81	17.2	25.0	0	0	0.250	0
07/11/2007	10:42	15.5	17.0	7030	0.4	0.04	8.05	17.2	23.3	0	0	0.125	0
07/18/2007	10:22	0.0	18.8	6370	0.6	0.01	7.98	18.9	29.4	0	0	0.125	0
07/25/2007	10:27	0.0	0.0	12910	0.52	0.01	7.99	19.4	24.4	0	0	0.125	0
08/01/2007	10:29	0.0	0.0	27230	0.96	0.01	8.02	20.6	30.6	0	0	0.375	0
08/08/2007	10:16	0.0	17.0	24950	18.5	0.17	7.85	21.1	25.0	0	0	0.125	0
08/15/2007	10:16	6.1	11.9	2430	23.2	0.83	7.92	21.7	22.8				
08/29/2007	10:20	0.0	0.0	100	8.26	2.21	7.78	18.3	26.7	0	0	0.125	0
09/06/2007	10:25	0.3	0.3	720	0.22	0.01	7.95	18.3	25.6	0	0	0.120	0
09/13/2007	10:10	0.0	0.0	860	16.8	2.42	7.93	15.0	20.6	0	0	0.250	0
10/16/2007	10:05	19.3	31.0	141360	2.75	0.09	7.76		15.0		0	0.120	0

05/21/2008		0.0	0.0										
05/29/2008	10:25	0.0	0.0	100	0.31	0.03	7.83	10.2	17.4	0	0	0	
06/04/2008	11:06	0.5	0.5	410	0.82	0.08	7.75	11.4	12.8	0.125	0	0	
06/11/2008		0.0	0.8		UNABLE TO TAKE SAMPLE								
06/18/2008		1.5	1.5		UNABLE TO TAKE SAMPLE								
06/25/2008	11:04	0.3	0.3	1710	1.5	0.1	7.81	15.6	21.3	0	0	0.15	
07/02/2008	10:15	0.0	0.0	15000	0.73	0.08	7.84	14.6	23	0.125	0.05	0	
07/09/2008		0.0	16.3		UNABLE TO TAKE SAMPLE								
07/16/2008	10:42	0.8	0.8	29090	16.9	0.27	7.75	21	27	0.125	0	0.15	
07/23/2008	10:20	0.0	0.0	1,210	1.58	0.11	7.84	16.1	21.8	0.25	0		
07/30/2008	10:25	0.0	0.0	27,550	1.14	0.11	7.82	12.1	27.8	0.125	0		
08/06/2008	10:54	0.0	12.2	2,590	0.6	0.04	7.81	18	26	0.125	0		
08/13/2008	10:23	4.8	4.8	43,520	6.8	1.32	7.66	18	24		0		
08/20/2008	10:26	0.0	0.0	9600	1.78	0.05	7.97	19	22	0.2	0		
08/27/2008	10:12	0.0	0.0	3,990	1.6	0.03	7.9	18.3	22.5	0.25	0		
09/04/2008	11:07	9.7	11.4	15530	7.8	0.01	7.07	17.9	16.1	0.2	0		
09/09/2008	11:44	0.0	5.8	980	0.73	0.07	7.84	17.9	18.8	0.05	0		
09/18/2008	11:33	0.0	0.0	3130	0.39	0.05	7.7	18	18.8	0.125	0		
09/23/2008	10:36	0.0	0.3	2000	0.9	0.03	7.84	18	22.2	0.125	0		
09/30/2008	10:16	5.3	5.3	9600	0.62	0.1	7.87	16.8	16.3	0.1	0		
10/07/2008	10:01	0.0	0.0	19350	2.9	0.07	8.04	14.7	15.6	0.125	0		
		MEAN		12996.1	7.6	0.3	7.8	17.1	22.5	0.161	0.002	0.104	
		SD		25448.0	21.0	0.7	0.2	2.9	4.5	0.091	0.009	0.081	
		MEDIAN		3990.0	1.0	0.1	7.8	17.9	22.8	0.125	0.000	0.120	
		MAX		141,360	115.60	2.42	8.05	21.67	30.56	0.375	0.050	0.250	
		MIN		50.00	0.22	0.01	7.07	10.20	12.80	0.000	0.000	0.000	

Key C = Specific Conductance
DO = Dissolved Oxygen
P = Phosphates

Island Park Bridge to Liberty St. - West Bank

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmho s/cm)	pH	H2O Temp. (°F)	Air Temp. (°F)	DO (mg/l)	P (mg/l)
06/13/2007	10:58	1.4	0.0	0.0	50	8.28	0.67	8.32	23.9	25.6		
06/20/2007	10:55	10.3	0.0	62.2	5470	108.8	3.57	7.7	21.7	28.3		
06/27/2007	11:02	1.3	0.0	0.0	310	27.2	1.74	8.07	26.1	30.0		
07/05/2007	10:51	0.7	0.0	0.0	860	16.24	1.02	8.26	22.8	25.6		
07/11/2007	11:20	0.4	15.5	17.0	1100	16.26	0.66	8.22	23.9	23.9		
07/18/2007	10:58	0.5	0.0	18.8	1750	12.3	0.41	8.18	25.0	29.4		
07/25/2007	11:02	0.3	0.0	0.0	840	10.48	0.62	8.08	22.8	26.7		
08/01/2007	11:05	0.6	0.0	0.0	310	5.37	0.46	8.4	26.1	31.7		
08/08/2007	10:52	4.2	0.0	17.0	850	28.8	1.64	7.93	23.9	25.0		
08/15/2007	10:56	0.9	6.1	11.9	1100	25.8	0.81	8.05	22.2	22.2		
08/22/2007	10:52	42.2	14.0	14.5	740	71.2	4.37	7.61	19.4	27.8		
08/29/2007	10:49	13.8	0.0	0.0	100	10.91	1.93	7.79	21.1	26.7		
09/06/2007	10:50	2.8	0.3	0.3	50	12.1	1.89	8.01	21.7	26.7		
09/13/2007	10:30	2.8	0.0	0.0	410	16.5	2.09	7.81	15.6	21.1		
10/11/2007	12:15	0.8	2.8	2.8	410	11.3		8	12.2	11.1		

05/21/2008		3.1	0.0	0.0	73							
05/29/2008	10:58	3.2	0.0	0.0	310	8.57	0.69	8.15	15	18.1		
06/04/2008	11:45	3.0	0.5	0.5	520	7.65	1.71	7.85	16	13.2	8.89	
06/11/2008	11:54	101.4	0.0	0.8	100	125.2	7.64	7.31	20.4	15.5	7.7	
06/18/2008	11:49	9.8	1.5	1.5	520	20.1	3.09	7.75	19.3	21	8.64	
06/25/2008	11:40	3.5	0.3	0.3	740	29.7	1.9	7.91	20.8	21.8	8.35	
07/02/2008	10:52	2.4	0.0	0.0	100	19.9	1.62	7.99	22.3	26	8.55	
07/09/2008	11:00	5.3	0.0	16.3	410	22.1	1.83	7.91	22.9	21	8.16	
07/16/2008	11:07	2.6	0.8	0.8	300	24.2	2.06	7.85	24.3	27	8.45	0.18
07/23/2008	10:46	1.2	0.0	0.0	630	18.3	1.28	8.11	22.4	23.5	9.78	
07/30/2008	10:54	0.5	0.0	0.0	740	15.7	0.75	8.02	24.4	28	6.99	
08/06/2008	11:19	2.0	0.0	12.2	1,850	15.9	0.61	8.1	25.2	27.1	8.5	
08/13/2008	10:50	0.7	4.8	4.8	11,780	14.6	1.28	7.98	21.3	23.3	8.24	
08/20/2008	10:54	0.4	0.0	0.0	2160	6.04	0.28	8.08	22.3	23	8.2	
08/27/2008	10:34	0.2	0.0	0.0	410	10.08	0.62	7.82	21.4	23	6.6	
09/04/2008	11:43	0.3	9.7	11.4	2400	22.5	0.01	7.08	18.3	16.1	7.42	
09/09/2008	12:25	1.5	0.0	5.8	100	22.8	2.32	7.87	18.3	19.1	10.1	
09/18/2008	12:10	2.2	0.0	0.0	410	19.33	2.23	7.83	18	21	9.47	
09/23/2008	11:05	0.5	0.0	0.3	100	7.2	0.94	7.99	20.2	22.7	10.45	
09/30/2008	10:38	0.3	5.3	5.3	1990	15.6	1.35	7.92	16.5	17	8.27	
10/07/2008	10:39	0.2	0.0	5.1	310	12.4	0.45	8.04	16.2	14.8	7.44	0.1

MEAN	1119.5	23	1.6	7.9	21.0	23.0	8.4	0.1
SD	2090.7	26	1.4	0.3	3.4	5.0	1.0	0.1
MEDIAN	465.0	16	1.3	8.0	21.7	23.3	8.4	0.1
MAX	11,780.00	125	7.64	8.40	26.11	31.67	10.45	0.18
MIN	50.00	5	0.01	7.08	12.22	11.11	6.60	0.10
Key	C = Specific Conductance DO = Dissolved Oxygen P = Phosphates							

Island Park Bridge to Liberty St. - Middle of Bridge

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	P (mg/l)
06/13/2007	11:01	1.4	0.0	0.0	50	8.4	0.86	8.32	23.9	25.6	
06/20/2007	10:57	10.3	0.0	62.2	2950	100.4	3.42	7.72	21.7	28.3	
06/27/2007	10:59	1.3	0.0	0.0	200	25.8	1.81	8.09	26.1	30.0	
07/05/2007	10:54	0.7	0.0	0.0	1100	15.84	1.02	8.24	22.8	25.6	
07/11/2007	11:23	0.4	15.5	17.0	850	16.23	0.68	8.16	23.9	23.9	
07/18/2007	11:02	0.5	0.0	18.8	1220	10.8	0.41	8.15	25.0	29.4	
07/25/2007	11:06	0.3	0.0	0.0	100	10.41	0.73	8.08	23.3	26.7	
08/01/2007	11:09	0.6	0.0	0.0	50	6.44	0.46	8.39	26.1	31.7	
08/08/2007	10:53	4.2	0.0	17.0	310	28.5	1.62	7.89	23.9	25.0	
08/15/2007	10:51	0.9	6.1	11.9	1600	20.5	0.85	8.07	21.7	22.2	
08/22/2007	10:55	42.2	14.0	14.5	1100	70.6	4.36	7.62	19.4	27.8	
08/29/2007	10:57	13.8	0.0	0.0	100	8.86	2.12	7.84	21.1	26.7	
09/06/2007	10:46	2.8	0.3	0.3	50	12.1	1.27	8.05	21.7	26.7	
09/13/2007	10:27	2.8	0.0	0.0	200	17	1.78	7.93	15.6	21.1	
10/11/2007	12:15	0.8	2.8	2.8	860	9.98		7.82	12.2	11.1	

05/21/2008		3.1	0.0	0.0	605						
05/29/2008	11:02	3.2	0.0	0.0	200	8.35	0.58	8.12	15.3	18.1	
06/04/2008	11:52	3.0	0.5	0.5	100	7.23	1.74	7.83	15.6	13.2	
06/11/2008	11:58	101.4	0.0	0.8	200	123.6	7.72	7.32	19.7	15.5	
06/18/2008	11:57	9.8	1.5	1.5	410	24.8	2.89	7.77	19.2	21	
06/25/2008	11:48	3.5	0.3	0.3	300	22.5	1.97	7.91	21	21.8	
07/02/2008	10:57	2.4	0.0	0.0	100	16.8	1.76	7.91	23	26	
07/09/2008	11:02	5.3	0.0	16.3	310	19.2	1.4	7.9	22	21	
07/16/2008	11:07	2.6	0.8	0.8	520	2.21	1.96	7.84	25	27	0.2
07/23/2008	10:46	1.2	0.0	0.0	740	17.42	1.38	8.07	22	23.5	
07/30/2008	10:56	0.5	0.0	0.0	310	13.36	0.79	8.05	24.1	28	
08/06/2008	11:20	2.0	0.0	12.2	1,180	16.1	0.64	8.09	24.9	27.1	
08/13/2008	10:52	0.7	4.8	4.8	18,420	13.5	1.04	8	20.7	23.3	
08/20/2008	10:55	0.4	0.0	0.0	5630	4.67	0.3	8.07	22	23	
08/27/2008	10:36	0.2	0.0	0.0	300	11.24	0.62	7.85	20.6	23	
09/04/2008	11:48	0.3	9.7	11.4	12810	14.3	4.58	7.6	18.3	16.1	
09/09/2008	12:30	1.5	0.0	5.8	520	25	2.2	7.8	18.2	20	
09/18/2008	12:14	2.2	0.0	0.0	520	9.49	2.07	7.85	18.1	21	
09/23/2008	11:08	0.5	0.0	0.3	900	10.1	1.1	8.03	19.2	22.7	
09/30/2008	10:41	0.3	5.3	5.3	2500	9.5	1.35	7.93	16.2	17	
10/07/2008	10:39	0.2	0.0	5.1	3230	7.7	0.47	8.06	14.2	14.8	0.1

MEAN 1681.8 21.1 1.7 8.0 20.8 23.0 0.2
SD 3669.8 25.6 1.5 0.2 3.5 5.0 0.1
MEDIAN 520.0 13.5 1.4 7.9 21.7 23.3 0.2

MAX 18,420.00 123.6 7.72 8.39 26.11 31.67 0.20
MIN 50.00 2.21 0.30 7.32 12.22 11.11 0.10
Key C = Specific Conductance
 DO = Dissolved Oxygen
 P = Phosphates

Island Park Bridge to Liberty St. - East Bank

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	P (mg/l)
06/13/2007	11:04	1.4	0.0	0.0	200	10.68	0.66	8.32	23.9	25.6	
06/20/2007	11:00	10.3	0.0	62.2	3690	102.1	3.29	7.71	21.7	28.3	
06/27/2007	10:57	1.3	0.0	0.0	520	27.1	1.8	8.08	26.7	30.0	
07/05/2007	10:57	0.7	0.0	0.0	3090	15.86	1.11	8.23	22.8	25.6	
07/11/2007	11:27	0.4	15.5	17.0	1580	12.68	0.91	8.02	22.2	23.9	
07/18/2007	11:05	0.5	0.0	18.8	5120	8.9	0.64	8.04	23.9	29.4	
07/25/2007	11:10	0.3	0.0	0.0	17230	10.53	0.85	7.69	22.8	26.7	
08/01/2007	11:14	0.6	0.0	0.0	4500	4.87	0.47	8.13	25.0	31.7	
08/08/2007	10:55	4.2	0.0	17.0	860	35.2	1.4	7.9	23.3	25.0	
08/15/2007	10:47	0.9	6.1	11.9	2400	26	0.75	8.08	22.2	22.2	
08/22/2007	10:59	42.2	14.0	14.5	850	71.9	4.38	7.61	19.4	27.8	
08/29/2007	11:01	13.8	0.0	0.0	1100	10.7	2.05	7.84	21.1	26.7	
09/06/2007	10:42	2.8	0.3	0.3	50	10.7	2.18	8.03	21.7	26.7	
09/13/2007	10:22	2.8	0.0	0.0	200		1.8		15.6	21.1	
10/11/2007	12:20	0.8	2.8	2.8	850	7.45		8.01	12.2	11.1	

05/21/2008		3.1	0.0	0.0	160						
05/29/2008	11:04	3.2	0.0	0.0	200	8.23	0.58	8.13	15	18.1	
06/04/2008	11:55	3.0	0.5	0.5	410	7.71	1.58	7.85	15.5	13.2	
06/11/2008	12:00	101.4	0.0	0.8	740	99.8	7.15	7.33	19.4	15.5	
06/18/2008	11:59	9.8	1.5	1.5	200	14.1	2.53	7.73	19	21	
06/25/2008	11:51	3.5	0.3	0.3	520	29.3	1.95	7.9	20.2	21.8	
07/02/2008	10:55	2.4	0.0	0.0	300	18.1	1.7	7.98	22	26	
07/09/2008	11:06	5.3	0.0	16.3	850	21.1	1.34	7.91	22	21	
07/16/2008	11:10	2.6	0.8	0.8	860	20.3	1.82	7.8	23.5	27	0.18
07/23/2008	10:50	1.2	0.0	0.0	1,350	17.5	1.22	8.02	21.4	23.5	
07/30/2008	10:58	0.5	0.0	0.0	520	13.88	0.63	7.95	24.2	28	
08/06/2008	11:23	2.0	0.0	12.2	4,160	50.5	2.7	7.92	22.6	27.1	
08/13/2008	10:50	0.7	4.8	4.8	26,020	12.6	1.15	7.96	20.5	23.3	
08/20/2008	10:55	0.4	0.0	0.0	4710	5.05	0.31	8.03	22	23	
08/27/2008	10:35	0.2	0.0	0.0	200	14.71	0.7	7.76	21	23	
09/04/2008	11:52	0.3	9.7	11.4	6500	17.8	3.04	7.65	18.3	16.1	
09/09/2008	12:33	1.5	0.0	5.8	200	25.2	2.14	7.76	17.2	20	
09/18/2008	12:17	2.2	0.0	0.0	300	9.49	2.2	7.83	17.5	21	
09/23/2008	11:06	0.5	0.0	0.3	1000	10	0.91	7.96	19.2	22.7	
09/30/2008	10:39	0.3	5.3	5.3	970	11.1	1.32	7.86	16	17	
10/07/2008	10:39	0.2	0.0	5.1	3231	7.7	0.47	8.06	14.2	14.8	0.1

MEAN	2657	22.6	1.7	7.9	20.4	23.0	0.1
SD	5072	24.0	1.3	0.2	3.4	5.0	0.1
MEDIAN	855	14.0	1.4	7.9	21.4	23.3	0.1
MAX	26020	102	7.15	8.32	26.67	31.67	0.18
MIN	50	4.87	0.31	7.33	12.22	11.11	0.10

Key C = Specific Conductance
 DO = Dissolved Oxygen
 P = Phosphates

Island Park Footbridge to Park View Dr. - West Bank

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmho s/cm)	pH	H2O Temp. (°F)	Air Temp. (°F)	DO (mg/l)	P (mg/l)
06/13/2007	10:54	1.4	0.0	0.0	50	9.32	0.9	8.29	24.4	27.2		
06/20/2007	10:46	10.3	0.0	62.2	4640	103.2	3.86	7.69	21.1	26.7		
06/27/2007	10:44	1.3	0.0	0.0	520	28.3	1.83	8.09	26.1	29.4		
07/05/2007	10:38	0.7	0.0	0.0	1450	17.38	0.89	8.2	22.2	25.6		
07/11/2007	11:04	0.4	15.5	17.0	520	15.55	0.57	8.15	22.8	23.9		
07/18/2007	10:45	0.5	0.0	18.8	630	12	0.79	8.14	25.0	29.4		
07/25/2007	10:48	0.3	0.0	0.0	410	10.69	0.6	8.03	22.8	26.1		
08/01/2007	10:50	0.6	0.0	0.0	100	6.67	0.39	8.31	26.1	31.7		
08/08/2007	10:45	4.2	0.0	17.0	620	24.6	1.68	7.89	23.9	25.6		
08/15/2007	10:38	0.9	6.1	11.9	1350	22.6	0.68	8.01	21.7	22.2		
08/22/2007	10:40	42.2	14.0	14.5	410	70.1	5.09	7.59	19.4	26.7		
08/29/2007	10:34	13.8	0.0	0.0	100	11.37	2.46	7.8	21.1	27.8		
09/06/2007	10:31	2.8	0.3	0.3	50	12.2	2.15	8.01	21.1	26.1		
09/13/2007	10:19	2.8	0.0	0.0	200	17	2.23	7.9	15.6	20.0		

05/21/2008		3.1	0.0	0.0	122							
05/29/2008	10:47	3.2	0.0	0.0	100	8.46	0.79	8.08	14.7	18.5		
06/04/2008	11:31	3.0	0.5	0.5	620	7.25	2.28	7.82	15.9	13	8.54	
06/11/2008	11:42	101.4	0.0	0.8	200	124	7.63	7.29	20.3	15	7.59	
06/18/2008	11:35	9.8	1.5	1.5	410	18.6	3.03	7.72	19.1	20	8.53	
06/25/2008	11:27	3.5	0.3	0.3	630	22.1	2.14	7.85	20.8	21.3	8.28	
07/02/2008	10:40	2.4	0.0	0.0	100	18.2	1.78	7.94	22.4	23.5	8.64	
07/09/2008	10:55	5.3	0.0	16.3	410	19.5	1.8	7.88	22.7	21	7.86	
07/16/2008	10:59	2.6	0.8	0.8	840	21.6	2.82	7.83	24.2	28.8	8.25	0.2
07/23/2008	10:38	1.2	0.0	0.0	860	16.31	1.58	8.03	22.2	24	8.5	
07/30/2008	10:45	0.5	0.0	0.0	310	13.88	1.02	8.01	24.8	27.5	7.12	
08/06/2008	11:11	2.0	0.0	12.2	1,600	17.8	0.56	8.03	24.8	26.8	8.3	
08/13/2008	10:41	0.7	4.8	4.8	3,450	15.4	1.65	7.9	21.1	21.4	7.21	
08/20/2008	10:46	0.4	0.0	0.0	980	4.77	0.68	8.03	22.9	24.5	7.6	
08/27/2008	10:25	0.2	0.0	0.0	520	10.24	1.04	7.83	21.7	22	7.05	
09/04/2008	11:31	0.3	9.7	11.4	7030	20.8	3.29	7.61	18.5	16.1	7.29	
09/09/2008	12:12	1.5	0.0	5.8	100	22.2	3.11	7.76	18.2	21	9.6	
09/18/2008	12:04	2.2	0.0	0.0	520	10.9	2.95	7.82	18.2	21	9.59	
09/23/2008	10:53	0.5	0.0	0.3	400	5.6	0.96	8.01	19.8	24	9.45	
09/30/2008	10:29	0.3	5.3	5.3	1990	11.9	1.44	7.9	16.7	15.8	7.72	
10/07/2008	10:32	0.2	0.0	5.1	310	10.6	0.65	8.05	14.4	14.8	7.48	0.1

MEAN 930.1 22.4 1.9 7.9 21.1 23.2 8.1
SD 1427 25.8 1.5 0.2 3.2 4.7 0.8
MEDIAN 520.0 15.9 1.7 7.9 21.4 23.9 8.3
MAX 7,030 124 7.63 8.31 26.11 31.67 9.60
MIN 50.00 4.77 0.39 7.29 14.40 13.00 7.05

Key C = Specific Conductance
 DO = Dissolved Oxygen
 P = Phosphates

Island ParkFootbridge to Park View Dr. - Middle of Bridge

Date	Time	USGS Daily Mean (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	P (mg/l)
06/13/2007	10:49	1.4	0.0	0.0	50	9.7	0.96	8.3	24.4	27.2	
06/20/2007	10:49	10.3	0.0	62.2	4950	97.3	3.42	7.71	21.7	26.7	
06/27/2007	10:47	1.3	0.0	0.0	200	27	1.42	8.12	26.7	29.4	
07/05/2007	10:41	0.7	0.0	0.0	1990	15.13	0.79	8.21	22.2	25.6	
07/11/2007	11:07	0.4	15.5	17.0	1320	14.16	0.7	8.15	22.8	23.9	
07/18/2007	10:50	0.5	0.0	18.8	630	9	0.78	8.14	25.0	29.4	
07/25/2007	10:52	0.3	0.0	0.0	1090	9.65	0.69	8.03	23.3	26.1	
08/01/2007	10:54	0.6	0.0	0.0	200	6.48	0.38	8.33	26.1	31.7	
08/08/2007	10:46	4.2	0.0	17.0	200	27.9	1.71	7.87	23.9	25.6	
08/15/2007	10:35	0.9	6.1	11.9	1220	22.2	0.78	8.04	21.7	22.2	
08/22/2007	10:43	42.2	14.0	14.5	310	70.9	4.29	7.59	19.4	26.7	
08/29/2007	10:38	13.8	0.0	0.0	310	11.14	2.43	7.84	21.1	27.8	
09/06/2007	10:34	2.8	0.3	0.3	100	12	2.35	8.03	21.7	26.1	
09/13/2007	10:17	2.8	0.0	0.0	200	16.3	2.45	7.98	15.6	20.0	

05/29/2008	10:50	3.2	0.0	0.0	310	7.87	0.89	8.13	15	18.5	
06/04/2008	11:35	3.0	0.5	0.5	410	7.24	2.39	7.84	15.3	13	
06/11/2008	11:46	101.4	0.0	0.8	520	124.5	7.68	7.31	20	15	
06/18/2008	11:39	9.8	1.5	1.5	100	19.4	3.09	7.73	19	20	
06/25/2008	11:33	3.5	0.3	0.3	1340	23	2.19	7.88	20.3	21.3	
07/02/2008	10:45	2.4	0.0	0.0	200	16.65	1.76	7.95	22	23.5	
07/09/2008	10:56	5.3	0.0	16.3	520	22.3	1.7	7.89	22.5	21	
07/16/2008	10:59	2.6	0.8	0.8	200	22.7	2.95	7.85	0.2	28.8	0.2
07/23/2008	10:38	1.2	0.0	0.0	860	16.4	1.67	8.04	21.5	24	
07/30/2008	10:46	0.5	0.0	0.0	310	13	1.21	8	24.6	27.5	
08/06/2008	11:11	2.0	0.0	12.2	1,460	17.6	0.66	8.06	25.1	26.8	
08/13/2008	10:42	0.7	4.8	4.8	5,730	14.7	1.64	7.93	20.8	21.4	
08/20/2008	10:47	0.4	0.0	0.0	630	5.39	0.59	8.06	22	24.5	
08/27/2008	10:26	0.2	0.0	0.0	520	11.3	1	7.83	22	22	
09/04/2008	11:34	0.3	9.7	11.4	4960	18.5	3.88	7.64	18.5	16.1	
09/09/2008	12:16	1.5	0.0	5.8	200	24.8	2.96	7.78	18.1	21	
09/18/2008	12:02	2.2	0.0	0.0	200	18.13	2.96	7.84	18.6	21	
09/23/2008	10:55	0.5	0.0	0.3	1000	10	1.03	8	19.6	24	
09/30/2008	10:28	0.3	5.3	5.3	1890	6.6	1.37	7.9	16.2	15.8	
10/07/2008	10:33	0.2	0.0	5.1	200	7.7	0.64	8.06	16.2	14.8	0.1

MEAN	1009.7	22.3	1.9	7.9	20.4	23.2	0.2
SD	1429.5	25.4	1.5	0.2	4.7	4.7	0.1
MEDIAN	465.0	15.7	1.7	8.0	21.6	23.9	0.2
MAX	5,730.00	125	7.68	8.33	26.67	31.67	0.20
MIN	50.00	5.39	0.38	7.31	0.20	13.00	0.10

Key C = Specific Conductance

DO = Dissolved Oxygen

P = Phosphates

Island Park Footbridge to Park View Dr. - East Bank

Date	Time	USGS Daily Mean (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	P (mg/l)
06/13/2007	10:51	1.4	0.0	0.0	310	10.06	0.95	8.26	23.9	27.2	
06/20/2007	10:52	10.3	0.0	62.2	3730	101	3.45	7.72	21.1	26.7	
06/27/2007	10:52	1.3	0.0	0.0	520	25.3	1.74	8.07	26.7	29.4	
07/05/2007	10:45	0.7	0.0	0.0	1350	16.84	0.85	8.19	22.8	25.6	
07/11/2007	11:12	0.4	15.5	17.0	2780	14.31	0.71	8.12	23.3	23.9	
07/18/2007	10:54	0.5	0.0	18.8	630	11.2	0.43	8.09	25.0	29.4	
07/25/2007	10:56	0.3	0.0	0.0	29090	11.96	0.72	7.96	23.3	26.1	
08/01/2007	10:58	0.6	0.0	0.0	300	6.69	0.35	8.27	26.1	31.7	
08/08/2007	10:48	4.2	0.0	17.0	740	34.7	1.74	7.9	23.3	25.6	
08/15/2007	10:42	0.9	6.1	11.9	1460	23.2	0.68	8.05	21.7	22.2	
08/22/2007	10:47	42.2	14.0	14.5	410	70.8	3.9	7.59	18.9	26.7	
08/29/2007	10:43	13.8	0.0	0.0	100	10.78	2.59	7.8	21.1	27.8	
09/06/2007	10:36	2.8	0.3	0.3	410	11.4	2.2	8	21.7	26.1	
09/13/2007	10:15	2.8	0.0	0.0	300	16.1	2.31	7.97	15.6	20.0	
05/29/2008	10:53	3.2	0.0	0.0	100	7.92	0.93	8.1	14.8	18.5	
06/04/2008	11:37	3.0	0.5	0.5	410	5.56	2.16	7.85	15.4	13	
06/11/2008	11:48	101.4	0.0	0.8	310	120.5	7.42	7.32	19.8	15	
06/18/2008	11:41	9.8	1.5	1.5	630	19.4	3.21	7.75	19	20	
06/25/2008	11:35	3.5	0.3	0.3	850	24.3	2.22	7.88	20.2	21.3	
07/02/2008	10:43	2.4	0.0	0.0	410	15.4	1.92	7.95	22	23.5	
07/09/2008	10:57	5.3	0.0	16.3	630	20	1.62	7.9	22	21	
07/16/2008	11:02	2.6	0.8	0.8	310	19.5	2.95	7.87	0.2	28.8	0.2
07/23/2008	10:41	1.2	0.0	0.0	1,090	16.68	1.71	8.03	21.1	24	
07/30/2008	10:46	0.5	0.0	0.0	740	13.34	1.11	7.99	24.6	27.5	
08/06/2008	11:14	2.0	0.0	12.2	840	17.3	0.61	8.04	24.9	26.8	
08/13/2008	10:44	0.7	4.8	4.8	4,640	12.5	1.58	7.94	20.8	21.4	
08/20/2008	10:50	0.4	0.0	0.0	2230	4.62	0.67	8.04	23	24.5	
08/27/2008	10:28	0.2	0.0	0.0	300	5.56	1.03	7.8	21.8	22	
09/04/2008	11:38	0.3	9.7	11.4	6970	7.24	0.01	7.3	18.5	16.1	
09/09/2008	12:19	1.5	0.0	5.8	100	24	3.02	7.76	17.2	21	
09/18/2008	12:04	2.2	0.0	0.0	520	19.1	2.93	7.81	17.8	21	
09/23/2008	10:58	0.5	0.0	0.3	900	11.9	1.12	7.99	19.9	24	
09/30/2008	10:32	0.3	5.3	5.3	2160	26.5	1.37	7.89	16.2	15.8	
10/07/2008	10:25	0.2	0.0	5.1	410	5.1	0.62	8.08	14.1	14.8	0.1

MEAN 1961.2 22.4 1.8 7.9 20.2 23.2 0.2
SD 5010.5 25.5 1.4 0.2 4.8 4.7 0.1
MEDIAN 630.0 15.8 1.6 8.0 21.1 23.9 0.2

MAX 29,090.00 120.5 7.42 8.27 26.67 31.67 0.20
MIN 100.00 4.62 0.01 7.30 0.20 13.00 0.10
 Key C = Specific Conductance
 DO = Dissolved Oxygen
 P = Phosphates

West 6th St. @ Rupert Blvd. - West Bank

Date	Time	USGS Instant (cfs)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmho s/cm)	pH	H2O Temp. (°F)	Air Temp. (°F)	DO (mg/l)	P (mg/l)
06/06/2007	15:05	8.3	0.3	24.9	1,340				18.3	19.4		
06/13/2007	10:35	1.4	0.0	0.0	310	8.38	0.94	8.24	24.4	26.7		
06/20/2007	10:35	10.3	0.0	62.2	29,090	110.1	2.96	7.61	21.7	24.4		
06/27/2007	10:30	1.3	0.0	0.0	630	25.5	1.93	8.03	26.7	30.0		
07/05/2007	10:28	0.7	0.0	0.0	1200	16.78	0.95	8.2	23.3	25.6		
07/11/2007	10:52	0.4	15.5	17.0	2280	13.98	0.82	8.15	22.8	23.9		
07/18/2007	10:29	0.5	0.0	18.8	1210	0.5	0.81	8.15	24.4	28.3		
07/25/2007	10:36	0.3	0.0	0.0	630	11.24	0.65	8.07	22.2	26.1		
08/01/2007	10:37	0.6	0.0	0.0	300	6.6	0.26	8.3	25.6	31.7		
08/08/2007	10:23	4.2	0.0	17.0	740	28.3	1.71	7.96	23.9	26.1		
08/15/2007	10:34	0.9	6.1	11.9	310	24	0.84	7.96	22.2	22.8		
08/22/2007	10:30	42.2	14.0	14.5	1210	67	4.18	7.54	19.4	25.0		
08/29/2007	10:25	13.8	0.0	0.0	100	11.2	2.24	7.83	21.1	27.2		
09/06/2007	11:01	2.8	0.3	0.3	840	10.3	1.84	8	21.7	26.7		
09/13/2007	10:35	2.8	0.0	0.0	860	16	2.32	7.98	15.0	20.0		
10/11/2007	12:10	0.8	2.8	2.8	300	15.39		7.94	12.2	11.1		

05/21/2008		3.1	0.0	0.0	247							
05/29/2008	10:32	3.2	0.0	0.0	200	8.69	0.91	8.01	14	18.3		
06/04/2008	11:14	3.0	0.5	0.5	520	8.15	2.2	7.82	15.7	12.8	8.18	
06/11/2008	11:19	101.4	0.0	0.8	520	119	7.2	7.28	20.3	16	7.02	
06/18/2008	11:19	9.8	1.5	1.5	2280	18	3.01	7.74	18.9	20.2	8.57	
06/25/2008	11:13	3.5	0.3	0.3	1710	25.6	2.28	7.92	20.6	20.7	8.57	
07/02/2008	10:24	2.4	0.0	0.0	410	15.76	1.62	7.99	22.4	24.8	9.17	
07/09/2008	10:42	5.3	0.0	16.3	1100	21.2	1.7	7.91	22.8	20.1	7.98	
07/16/2008	10:48	2.6	0.8	0.8	730	16.6	3.13	7.87	24	27	8.24	0.2
07/23/2008	10:27	1.2	0.0	0.0	1,850	16.99	1.55	8.04	21.6	21	8.74	
07/30/2008	10:33	0.5	0.0	0.0	2,010	15.48	1.14	7.98	25	27.3	7.11	
08/06/2008	11:03	2.0	0.0	12.2	970	16.7	0.65	8.03	24.8	25.8	8.57	
08/13/2008	10:32	0.7	4.8	4.8	5,650	15	1.43	7.93	20.7	22	7.64	
08/20/2008	10:33	0.4	0.0	0.0	3180	4.88	0.68	8.1	22.8	22.6	7.62	
08/27/2008	10:20	0.2	0.0	0.0	520	9.43	1.12	7.88	21.1	22.2	6.81	
09/04/2008	11:16	0.3	9.7	11.4	15530	16.5	3.66	7.57	18.5	16.1	7.26	
09/09/2008	11:58	1.5	0.0	5.8	200	25.4	3.02	7.75	17.5	16.8	9.35	
09/18/2008	11:44	2.2	0.0	0.0	860	17.46	2.82	7.82	17.8	20	9.8	
09/23/2008	10:43	0.5	0.0	0.3	800	10.1	1.07	7.99	19.6	20.8	9.05	
09/30/2008	10:22	0.3	5.3	5.3	6690	13.19	1.52	7.9	16.7	14	7.8	
10/07/2008	10:22	0.2	0.0	5.1	520	10	0.63	8.07	14.4	15.6	7.53	0.1

MEAN 1632 22.0 1.9 7.9 20.7 22.2 8.2
SD 2765 25.5 1.4 0.2 3.5 4.9 0.8
MEDIAN 820 15.8 1.6 8.0 21.4 22.4 8.2

MAX 15530 119 7.20 8.30 26.67 31.67 9.80
MIN 100 0.50 0.26 7.28 12.22 11.11 6.81
Key C = Specific Conductance
 DO = Dissolved Oxygen
 P = Phosphates

West 6th St. @ Rupert Blvd.- Middle of Bridge

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°F)	Air Temp. (°F)	P (mg/l)
06/06/2007	15:00	8.3	0.3	24.9	1,090				17.8	19.4	
06/13/2007	10:39	1.4	0.0	0.0	310	8.7	0.86	8.3	24.4	26.7	
06/20/2007	10:39	10.3	0.0	62.2	4,020	109.8	3.01	7.63	22.2	24.4	
06/27/2007	10:36	1.3	0.0	0.0	200	29.1	1.58	8.02	26.7	30.0	
07/05/2007	10:33	0.7	0.0	0.0	310	15.38	0.96	8.19	22.8	25.6	
07/11/2007	10:57	0.4	15.5	17.0	1460	14.27	0.84	8.16	22.8	23.9	
07/18/2007	10:35	0.5	0.0	18.8	410	10	0.9	8.14	25.0	28.3	
07/25/2007	10:41	0.3	0.0	0.0	1850	9.73	0.61	8.09	22.8	26.1	
08/01/2007	10:42	0.6	0.0	0.0	310	6.28	0.36	8.3	25.6	31.7	
08/08/2007	10:38	4.2	0.0	17.0	310	31.6	1.72	7.92	23.9	26.1	
08/15/2007	10:30	0.9	6.1	11.9	200	24.3	0.62	7.79	22.2	22.8	
08/22/2007	10:34	42.2	14.0	14.5	840	63.6	4.96	7.61	19.4	25.0	
08/29/2007	10:29	13.8	0.0	0.0	100	11.23	2.47	7.83	21.1	27.2	
09/06/2007	10:56	2.8	0.3	0.3	100	12.1	2.04	8.06	22.2	26.7	
09/13/2007	10:40	2.8	0.0	0.0	100	19	2.27	7.93	16.1	20.0	
10/11/2007	12:12	0.8	2.8	2.8	100	15.34		7.97	12.2	11.1	

05/21/2008		3.1	0.0	0.0	161						
05/29/2008	10:37	3.2	0.0	0.0	200	8.06	0.77	8.07	15	18.3	
06/04/2008	11:20	3.0	0.5	0.5	410	7.4	2.36	7.84	15.2	12.8	
06/11/2008	11:26	101.4	0.0	0.8	520	119.9	7.75	7.28	19.5	16	
06/18/2008	11:24	9.8	1.5	1.5	100	17.9	3.11	7.73	18.8	20.2	
06/25/2008	11:18	3.5	0.3	0.3	850	25.8	2.48	7.89	20	20.7	
07/02/2008	10:32	2.4	0.0	0.0	100	15.83	1.77	7.96	22	24.8	
07/09/2008	10:48	5.3	0.0	16.3	740	17.5	1.74	7.89	22.7	20.1	
07/16/2008	10:48	2.6	0.8	0.8	410	20.4	2.95	7.77	26.1	27	0.15
07/23/2008	10:28	1.2	0.0	0.0	970	16.43	1.62	8.02	21.5	21.5	
07/30/2008	10:36	0.5	0.0	0.0	410	12.58	1.11	7.99	24.5	29.8	
08/06/2008	11:05	2.0	0.0	12.2	1,580	17.6	0.65	8.03	25	25.8	
08/13/2008	10:36	0.7	4.8	4.8	3,050	15.4	1.76	7.91	21	22	
08/20/2008	10:35	0.4	0.0	0.0	1870	4.78	0.8	8.08	22.9	22.6	
08/27/2008	10:21	0.2	0.0	0.0	520	6.64	1.18	7.84	21	22.2	
09/04/2008	11:22	0.3	9.7	11.4	7120	18.4	3.41	7.62	18	16.1	
09/09/2008	12:03	1.5	0.0	5.8	200	24.7	2.86	7.78	17.9	20	
09/18/2008	11:50	2.2	0.0	0.0	740	17.52	2.98	7.82	18.1	20	
09/23/2008	10:44	0.5	0.0	0.3	1100	11.6	0.97	7	19.3	22	
09/30/2008	10:23	0.3	5.3	5.3	1830	9.9	1.49	7.9	16.7	14	
10/07/2008	10:23	0.2	0.0	5.1	630	4.9	0.74	8.08	14.2	15.6	0.1

MEAN	951.9	22.1	1.9	7.9	20.7	22.4	0.1
SD	1350.2	25.5	1.5	0.3	3.6	4.9	0.0
MEDIAN	410.0	15.4	1.7	7.9	21.3	22.4	0.1
MAX	7,120	120	7.75	8.30	26.67	31.67	0.15
MIN	100.00	4.78	0.36	7.00	12.22	11.11	0.10

Key C = Specific Conductance
 DO = Dissolved Oxygen
 P = Phosphates

Riverside Dr. at Cedar Bend Footbridge - West Bank

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°F)	Air Temp. (°F)	P (mg/l)
06/11/2007	9:46	2.0	0.0	0.0	100	7.6	1.93	8.01	22.8	25.6	
06/18/2007	8:50	0.8	0.0	0.0	410	8.72	0.8	8.67	25.6	27.8	
06/25/2007	8:48	1.9	0.0	0.0	410	24.1	1.92	7.95	21.7	24.4	
07/02/2007	8:58	0.8	0.0	0.0	630	21.1	1.12	8.09	20.0	21.7	
07/09/2007	8:45	0.5	0.0	0.0	310	11.35	0.87	8.43	25.6	28.9	
07/16/2007	8:53	0.4	0.0	0.0	520	6.93	1.17	8.37	22.2	22.8	
07/23/2007	9:00	0.3	0.0	0.0	100	9.98	0.89	7.93	22.8	25.0	
07/30/2007	9:05	0.9	0.0	0.0	410	7.97	0.68	8.43	23.9	26.7	
08/06/2007	8:44	1.5	0.0	44.7	740	25.9	1.21	7.7	22.2	21.7	
08/13/2007	8:54	0.9	0.0	4.1	310	16.4	1.2	8.03	21.7	24.4	
08/20/2007	8:59	39.9	54.6	158.8	6240	160.9	5.63	7.49	18.3	20.6	
08/27/2007	8:49	31.4	0.0	0.0	410	18.13	3.84	7.63	19.4	18.3	
09/04/2007	8:48	3.3	0.0	0.0	50	9.52	2.75	7.84	20.6	23.9	
09/11/2007	9:01	2.4	16.0	16.0	410	19.5	1.23	7.77	17.2	12.8	
10/09/2007	12:10	0.9	0.0	0.0	200	8.98		8.01	17.8	20.6	

05/19/2008		3.1	0.0	0.0	520						
05/27/2008	9:33	3.3	31.2	31.2	850	9.8	0.79	7.93	13	6.2	
06/02/2008	10:56	5.3	trace	0.0	100	8.77	2.38	7.76	20	24.8	
06/09/2008	9:02	123.5	45.7	97.8	3050	289	0	6.28	20	22.5	
06/16/2008	9:02	25.6	0.0	1.5	200	18.12	4.57	7.41	20	20.7	
06/23/2008	8:55	4.1	0.5	3.0	200	20.7	2.51	7.81	19.1	19.4	
06/30/2008	9:08	3.7	2.8	8.4	100	15.25	2.07	7.88	21.1	21.5	
07/07/2008	8:55	1.4	0.5	0.5	410	14.2	1.78	7.84	22.1	23	
07/14/2008	9:07	7.6	0.0	0.3	310	26.5	2.2	7.74	21.8	25	0.18
07/21/2008	9:05	1.4	0.0	3.6	100	16.22	1.83	7.83	24	23.8	
07/28/2008	8:50	0.7	0.0	0.0	100	11.66	1.18	7.9	22.6	25.5	
08/04/2008	9:17	0.7	26.2	26.2	16,580	25.6	3.21	7.69	22	23.6	
08/11/2008	8:51	0.6	0.0	0.0	200	8.37	1.93	7.98	21	22.5	
08/18/2008	8:56	0.6	0.0	0.0	2,530	4.82	0.8	7.85	23	25.2	
08/25/2008	9:17	0.3	0.0	0.0	200	5.36	1.58	7.87	20	21	
09/02/2008	8:50	0.2	0.0	0.0	100	7.3	1.27	7.81	22.8	23	
09/08/2008	8:54	2.2	1.3	1.3	410	18.3	3.61	7.66	19	18	
09/15/2008	8:56	8.8	17.3	31.0	1850	28.4	1.77	7.78	17	15	
09/22/2008	9:15	0.6	0.3	0.3	100	9.1	1.6	7.95	19	21	
09/29/2008	8:45	0.4	0.0	0.0	1100	9.8	1.37	7.96	17	18	
10/06/2008	8:50	0.3	5.1	5.1	2,950	8.9	0.82	7.85	13.0	18	

MEAN	1200.3	26.1	1.8	7.9	20.5	21.8	0.2
SD	2903.0	52.5	1.2	0.4	2.9	4.4	
MEDIAN	410.0	11.7	1.6	7.9	21.0	22.5	0.2
MAX	16,580	289	5.63	8.67	25.56	28.89	0.18
MIN	50	5	0.00	6.28	13.00	6.20	0.18

Key C = Specific Conductance
 DO = Dissolved Oxygen
 P = Phosphates

Riverside Dr. at Cedar Bend Footbridge - Middle of Bridge

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°F)	Air Temp. (°F)	P (mg/l)
05/31/2007	11:32		0	0	50				21.7	22.8	
06/11/2007	9:41	2.0	0.0	0.0	50	7	1.87	8.08	22.2	25.6	
06/18/2007	9:07	0.8	0.0	0.0	730	8.14	0.84	8.03	25.0	27.8	
06/25/2007	8:53	1.9	0.0	0.0	720	27.7	1.82	8.01	21.1	24.4	
07/02/2007	8:55	0.8	0.0	0.0	200	20.7	1.29	8.13	20.0	21.7	
07/09/2007	8:50	0.5	0.0	0.0	410	16.36	0.7	8.11	25.0	28.9	
07/16/2007	8:56	0.4	0.0	0.0	980	6.19	1.16	8.28	22.8	22.8	
07/23/2007	9:04	0.3	0.0	0.0	100	10.09	0.91	8.18	22.8	25.0	
07/30/2007	9:10	0.9	0.0	0.0	860	8.12	0.64	8.29	22.8	26.7	
08/06/2007	8:39	1.5	0.0	44.7	1100	28.9	1.29	7.81	21.7	21.7	
08/13/2007	8:57	0.9	0.0	4.1	310	18	1.31	8.08	21.7	24.4	
08/20/2007	9:04	39.9	54.6	158.8	6830	153.8	5.82	7.6	18.9	20.6	
08/27/2007	8:53	31.4	0.0	0.0	200	17.71	3.79	7.79	19.4	18.3	
09/04/2007	8:52	3.3	0.0	0.0	100	10.2	3.0	8	20.6	23.9	
09/11/2007	8:55	2.4	16.0	16.0	310	18.9	1.3	7.93	16.7	12.8	
10/09/2007	12:12	0.9	0.0	0.0	100	8.7		7.98	17.8	20.6	

05/19/2008		3.1	0.0	0.0	100						
05/27/2008	9:37	3.3	31.2	31.2	410	9.86	1.07	8.01	13.1	6.2	
06/02/2008	11:00	5.3	trace	0.0	100	8.45	2.24	7.75	18.8	24.8	
06/09/2008	9:07	123.5	45.7	97.8	2160	285	0	6.85	19.6	22.5	
06/16/2008	9:06	25.6	0.0	1.5	200	16.96	4.44	7.44	19.6	20.7	
06/23/2008	8:58	4.1	0.5	3.0	100	18.5	2.57	7.79	19	19.4	
06/30/2008	9:12	3.7	2.8	8.4	740	19.52	2.21	7.84	20.3	21.5	
07/07/2008	8:59	1.4	0.5	0.5	100	14.18	2.02	7.87	22	23	
07/14/2008	9:12	7.6	0.0	0.3	100	24.2	2.27	7.75	21.2	25	0.15
07/21/2008	9:09	1.4	0.0	3.6	410	13.12	1.86	7.88	23.1	23.8	
07/28/2008	8:54	0.7	0.0	0.0	200	11.2	1.12	7.9	22.4	25.5	
08/04/2008	9:29	0.7	26.2	26.2	12,460	29.7	2.26	7.78	22.2	23.6	
08/11/2008	8:56	0.6	0.0	0.0	200	7.88	2.11	7.87	20.2	22.5	
08/18/2008	9:00	0.6	0.0	0.0	740	4.24	0.84	7.87	22.7	25.2	
08/25/2008	9:19	0.3	0.0	0.0	520	5.7	1.45	7.86	19.9	21	
09/02/2008	8:53	0.2	0.0	0.0	1100	7.98	1.33	7.85	22.3	23.2	
09/08/2008	9:05	2.2	1.3	1.3	630	19.2	3.45	7.65	18.5	18	
09/15/2008	8:59	8.8	17.3	31.0	1090	27.3	1.66	7.72	17	15	
09/22/2008	9:15	0.6	0.3	0.3	410	9.2	1.78	7.95	19	21	
09/29/2008	8:48	0.4	0.0	0.0	520	9.1	1.4	7.95	17	18	
10/06/2008	8:58	0.3	5.1	5.1	2,180	9.1	0.8	7.88	12.8	18	

MEAN 1014.1 26.0 1.8 7.9 20.3 21.8 0.2
SD 2253.5 51.4 1.2 0.3 2.7 4.3
MEDIAN 410.0 13.1 1.6 7.9 20.4 22.6 0.2

MAX 12,460 285 5.82 8.29 25.00 28.89 0.15
MIN 50.00 4.24 0.00 6.85 12.80 6.20 0.15
Key C = Specific Conductance
 DO = Dissolved Oxygen
 P = Phosphates

Riverside Dr. at Cedar Bend Footbridge - East Bank

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	DO (mg/l)	P (mg/l)
06/11/2007	9:35	2.0	0.0	0.0	200	15.3	1.93	8.02	21.1	25.6		
06/18/2007	9:03	0.8	0.0	0.0	410	9.59	0.96	8.05	25.6	27.8		
06/25/2007	8:56	1.9	0.0	0.0	410	23.6	1.89	7.92	21.1	24.4		
07/02/2007	8:50	0.8	0.0	0.0	740	28.5	1.52	8.13	20.6	21.7		
07/09/2007	8:54	0.5	0.0	0.0	200	12.73	0.78	8.14	25.0	28.9		
07/16/2007	9:00	0.4	0.0	0.0	740	6.73	1.08	8.28	22.8	22.8		
07/23/2007	9:09	0.3	0.0	0.0	310	9.53	0.98	8.22	22.8	25.0		
07/30/2007	9:15	0.9	0.0	0.0	520	7.51	0.76	8.31	23.3	26.7		
08/06/2007	8:36	1.5	0.0	44.7	860	21.3	1.16	7.73	21.7	21.7		
08/13/2007	8:51	0.9	0.0	4.1	630	19.94	1.38	8.07	21.7	24.4		
08/20/2007	9:08	39.9	54.6	158.8	9,840	139.1	5.81	7.6	18.3	20.6		
08/27/2007	8:57	31.4	0.0	0.0	100	18.04	3.94	7.73	19.4	18.3		
09/04/2007	8:56	3.3	0.0	0.0	740	16.01	2.59	7.91	20.0	23.9		
09/11/2007	8:57	2.4	16.0	16.0	200	17.8	1.42	7.81	17.2	12.8		
10/09/2007	12:15	0.9	0.0	0.0	310	11.33		7.98	17.8	20.6		

05/19/2008		3.1	0.0	0.0	300							
05/27/2008	9:40	3.3	31.2	31.2	740	10.35	1.34	8.02	12.6	6.2		
06/02/2008	11:05	5.3	trace	0.0	100	8.98	2.32	7.76	18.8	24.8	9.15	
06/09/2008	9:12	123.5	45.7	97.8	1460	279	0	6.93	20.1	22.5	7.55	
06/16/2008	9:09	25.6	0.0	1.5	100	21	4.53	7.49	20	20.7	7.8	
06/23/2008	9:03	4.1	0.5	3.0	100	17.9	2.45	7.8	19.3	19.4	8.12	
06/30/2008	9:17	3.7	2.8	8.4	100	13.69	2.22	7.89	20.4	21.5	8.79	
07/07/2008	9:00	1.4	0.5	0.5	310	20.8	2.05	7.8	22.3	23	7.39	
07/14/2008	9:13	7.6	0.0	0.3	100	21.8	2.52	7.73	21.1	25	7.56	0.18
07/21/2008	9:10	1.4	0.0	3.6	740	16.73	1.83	7.85	23.4	23.8	6.44	
07/28/2008	8:50	0.7	0.0	0.0	310	9.68	1.27	7.95	22.3	25.5	6.02	
08/04/2008	9:17	0.7	26.2	26.2	21,870	19.9	2.57	7.78	23	23.6		
08/11/2008	8:53	0.6	0.0	0.0	310	6.26	1.79	7.94	20.2	22.5	5.4	
08/18/2008	8:57	0.6	0.0	0.0	1,600	5.18	1.09	7.82	21.7	25.2	4.35	
08/25/2008	9:17	0.3	0.0	0.0	730	4.93	1.54	7.86	18.9	21	7.22	
09/02/2008	8:57	0.2	0.0	0.0	520	5.98	1.46	7.84	22	23.2	5.03	
09/08/2008	9:12	2.2	1.3	1.3	1200	15.8	3.77	7.68	18.2	18.2	9.02	
09/15/2008	9:04	8.8	17.3	31.0	1210	24.3	1.78	7.72	17.6	15	8.17	
09/22/2008	9:18	0.6	0.3	0.3	630	10	1.73	8	19.3	21	8.09	
09/29/2008	8:45	0.4	0.0	0.0	520	13.3	1.27	7.93	1	18	6.07	
10/06/2008	8:47	0.3	5.1	5.1	1,600	11.9	0.89	7.87	13.1	18	7.8	

MEAN	1410.0	25.6	1.9	7.9	19.8	21.8	7.2	0.2				
SD	3856	49	1.2	0.2	4.3	4.4	1.4					
MEDIAN	520	15	1.6	7.9	20.4	22.5	7.6	0.2				
MAX	21870	279	5.81	8.31	25.56	28.89	9.15	0.18				
MIN	100	5	0.00	6.93	1.00	6.20	4.35	0.18				
Key	C = Specific Conductance DO = Dissolved Oxygen P = Phosphates											

OF, Washington Park Outfall #1

Date	Time	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	Cu (µg/L)	Phenols (µg/L)	D (mg/L)	Cl (mg/L)
05/31/2007	11:26	0	0	810				53	73				
06/11/2007	9:21	0.0	0.0	410	47.5	0.21	8.1	60	78	0	0	0	0
06/18/2007	8:42	0.0	0.0	520	1.91	0.01	8.16	60	82	0	0	0.125	0
06/25/2007	8:35	0.0	0.0	4570	1.05	0.02	8.11	59	75	0	0	0.125	0
07/02/2007	8:40	0.0	0.0	200	0.75	0.02	8.07	59	71	0	0	0.250	0
07/09/2007	8:36	0.0	0.0	1210	0.79	0.02	8.2	60	84	0	0	0.250	0
07/16/2007	8:43	0.0	0.0	100	1.02	0.06	8.14	60	72	0	0	0.125	0
07/23/2007	8:47	0.0	0.0	50	21.8	0.01	8.13	63	77	0	0	0.125	0
07/30/2007	8:52	0.0	0.0	1460	1.34	0.04	8.1	63	78	0	0	0.125	0
08/06/2007	8:28	0.0	44.7	5760	1.41	0.05	8.09	61	71	0	0	0.250	0
08/13/2007	8:38	0.0	4.1	1,100	0.84	0.03	8.26	63	76	0	0	0.125	0
08/20/2007	8:44	54.6	158.8	41060	13.49	1.35	7.79	66	69	0	0	0.375	0
08/27/2007	8:37	0.0	0.0	200	0.75	0.05	8.16	60	65	0	0	0.125	0
09/04/2007	8:41	0.0	0.0	3990	0.55	0.06	8.24	57	75	0	0	0.250	0
09/11/2007	8:46	16.0	16.0	1610	2.35	0.06	8.26	60	55	0	0	0.150	0
10/09/2007	12:01	0.0	0.0	3,790	0.95		8.17	60	69	0	0	0.050	0
10/16/2007	9:50	19.3	31.0	26130	6.0	6.05	7.66		59		0	0.120	0

Date	Time	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	D (mg/L)	Cl (mg/L)	P (mg/l)
05/19/2008		0.0	0.0	8,090								
05/27/2008	9:22	31.2	31.2	1416	1.03	0.01	8.17	9.4	8.5	0.125	0	0.1
06/02/2008	10:43	trace	0.0	200	0.79	0.01	8.13	11.7	24.8	0.25	0	0.15
06/09/2008		45.7	97.8		unable to take sample							
06/16/2008	8:54	0.0	1.5	1,460	1.33	0.01	7.83	13	19.8	0.125	0	0.15
06/23/2008	8:45	0.5	3.0	740	1.3	0.02	8.05	13	20	0.25	0	0.15
06/30/2008	8:55	2.8	8.4	2020	1.06	0.03	7.86	14	21.5	0.25	0	0.15
07/07/2008	8:42	0.5	0.5	100	2.04	0.02	8.04	14	23	0.2	0	0.2
07/14/2008	8:57	0.0	0.3	100	1.4	0.01	8.02	14.2	22.2	0.125	0	0.015
07/21/2008	8:50	0.0	3.6	200	0.87	0.03	8	15.2	24.3	0.25	0	
07/28/2008	8:39	0.0	0.0	840	0.75	0.02	7.85	15	26	0.125	0.05	
08/04/2008	8:51	26.2	26.2	5,370	90.3	0.01	6.88	21.7	24.1	0	0	0
08/11/2008	8:42	0.0	0.0	310	0.25	0.03	8.07	14	22.5	0.25	0	
08/18/2008	8:45	0.0	0.0	3,130	1.75	0.06	7.93	15.8	25.3	0.25	0	
08/25/2008	9:05	0.0	0.0	740	1.12	0.05	8.09	15	22.9	0.2	0	
09/02/2008	8:38	0.0	0.0	241,920	4.63	0.14	7.84	16	23	0.75	0	
09/08/2008	8:44	1.3	1.3	300	1.45	0.03	8.2	15.6	18	0.75	0	
09/15/2008	8:45	17.3	31.0	3990	1.48	0.04	8.07	16	15	0.15	0	
09/22/2008	9:10	0.3	0.3	980	0.95	0.04	8.08	11	21	0.2	0	
09/29/2008	8:37	0.0	0.0	54750	1.35	0.03	8.11	15	18	0.25	0	
10/06/2008	8:43	5.1	5.1	2010	3.3	0.79	7.93	14.8	18	0.2	0	

MEAN 11395.6 6.3 0.3 8.0 35.4 45.2 0.208 0.001 0.131
SD 40591.1 17.0 1.1 0.2 23.3 26.7 0.157 0.008 0.059
MEDIAN 1210.0 1.3 0.0 8.1 16.0 25.7 0.200 0.000 0.150
MAX 241,920 90.3 6.05 8.26 66.00 84.0 0.750 0.050 0.200
MIN 50 0.25 0.01 6.88 9.40 8.5 0.000 0.000 0.015
 Key C = Specific Conductance
 DO = Dissolved Oxygen
 P = Phosphates

OF, Washington Park Outfall #2

Date	Time	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	Cu (µg/L)	Phenols (µg/L)	D (mg/L)	Cl (mg/L)
05/31/2007	11:21	0	0	310				53	73				
06/11/2007	9:18	0.0	0.0	730	0.65	0.09	8.1	60	78	0	0	0	0
06/18/2007	8:39	0.0	0.0	8,420	1.37	0.03	8.07	59	82	0	0	0.250	0
06/25/2007	8:31	0.0	0.0	300	1.1	0.01	8.06	59	75	0	0	0.125	0
07/02/2007	8:36	0.0	0.0	1730	0.93	0.01	8.05	60	71	0	0	0.125	0
07/09/2007	8:30	0.0	0.0	630	0.81	0.01	8.16	59	84	0	0	0.250	0
07/16/2007	8:37	0.0	0.0	3680	1.12	0.02	8.11	59	72	0	0	0.250	0
07/23/2007	8:40	0.0	0.0	610	1.11	0.02	8.07	60	77	0	0	0.125	0
07/30/2007	8:45	0.0	0.0	100	1.55	0.01	8.04	61	78	0	0	0.125	0
08/06/2007	8:25	0.0	44.7	410	8.66	0.03	8.03	60	71	0	0	0.250	0
08/13/2007	8:23	0.0	4.1	200	0.68	0.01	8.24	63	76	0	0	0.250	0
08/20/2007	8:40	54.6	158.8	3840	8.43	0.81	7.76	65	69	0	0.15	0.125	0
08/27/2007	8:32	0.0	0.0	200	1.74	0.04	7.87	60	65	0	0	0.125	0
09/04/2007	8:37	0.0	0.0	520	1.63	0.04	7.87	59	75	0	0	0.250	0
09/11/2007	8:43	16.0	16.0	970	2.57	0.05	8.08	60	55	0	0	0	0
10/09/2007	12:00	0.0	0.0	9,850	0.77		7.98	60	69	0	0	0	0
10/16/2007	9:45	19.3	31.0	4870	6.72	1.72	7.76		59			0.125	0

Date	Time	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	D (mg/L)	Cl (mg/L)	P (mg/l)
05/19/2008		0.0	0.0	740								
05/27/2008	9:18	31.2	31.2	1710	1.3	0.05	7.66	10	8.5	0.125	0	0.1
06/02/2008	10:40	trace	0.0	410	0.69	0.01	7.87	12.2	24.8	0.125	0	0.15
06/09/2008		45.7	97.8									
06/16/2008		0.0	1.5									
06/23/2008	8:41	0.5	3.0	740	1.54	0.04	7.83	13.9	20	0.125	0	0.05
06/30/2008	8:49	2.8	8.4	520	1.46	0.06	7.77	14.5	21.5	0.25	0	0.1
07/07/2008	8:39	0.5	0.5	4410	2.78	0.06	7.66	15	23	0.2	0.05	0.15
07/14/2008	8:54	0.0	0.3	200	1.13	0.04	7.36	15	22.2	0.125	0	0
07/21/2008	8:48	0.0	3.6	310	1.1	0.06	7.68	15.2	24.3	0.3	0	
07/28/2008	8:36	0.0	0.0	2,880	0.08	0.04	7.61	16	26	0.2	0	
08/04/2008	8:48	26.2	26.2	7,330	20.2	0.01	5.55	21.8	24.1	0.2	0	
08/11/2008	8:39	0.0	0.0	1,460	0.81	0.03	7.88	15	22.5	0.3	0.05	
08/18/2008	8:41	0.0	0.0	740	0.99	0.06	7.58	25.8	25.3	0.1	0	
08/25/2008	9:02	0.0	0.0	1,450	0.8	0.02	7.92	15.4	22.9	0.2	0	
09/02/2008	8:33	0.0	0.0	8380	0.95	0.09	7.93	15.9	23	0.2	0	
09/09/2008	8:41	1.3	1.3	9600	0.95	0.06	8.02	16.2	17.8	0.75	0	
09/15/2008	8:40	17.3	31.0	2380	11.34	0.08	7.87	16	15	0.15	0	
09/22/2008	9:07	0.3	0.3	970	0.8	0.04	7.93	11.2	21	0.15	0	
09/29/2008	8:34	0.0	0.0	2330	0.95	0.02	8.03	15.2	18	0.25	0	
10/06/2008	8:38	5.1	5.1	2310	1.85	0.09	7.96	14.8	18	0.125	0	

MEAN				2395.8	2.6	0.1	7.8	36.4	45.9	0.184	0.003	0.092
SD				2878.5	4.0	0.3	0.4	22.6	26.7	0.127	0.012	0.058
MEDIAN				970.0	1.1	0.0	7.9	23.8	26.0	0.150	0.000	0.100
MAX				9,850.0	20.2	1.72	8.24	65.0	84.0	0.750	0.050	0.150
MIN				100.0	0.08	0.01	5.55	10.0	8.5	0.000	0.000	0.000

Key
C = Specific Conductance
DO = Dissolved Oxygen
P = Phosphates

OF, Washington Park Outfall #3

Date	Time	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	Cu (µg/L)	Phenols (µg/L)	D (mg/L)	Cl (mg/L)
05/31/2007	11:37	0	0	50				51	73				
06/11/2007	9:26	0.0	0.0	200	4.22	1.96	8	59	78	0	0	0	0
06/18/2007	8:46	0.0	0.0	100	1.33	0.70	8.05	60	82	0	0	0.06	0
06/25/2007	8:41	0.0	0.0	310	1.23	0.5	7.95	58	75	0	0	0	0
07/02/2007	8:45	0.0	0.0	50	0.67	0.65	7.99	60	71	0	0	0	0
07/09/2007	8:40	0.0	0.0	100	1.03	0.56	8.07	59	84	0	0	0	0
07/16/2007	8:47	0.0	0.0	980	1.99	0.96	8.05	60	72	0	0	0	0
07/23/2007	8:52	0.0	0.0	970	1.37	0.97	8.06	61	77	0	0	0	0
07/30/2007	8:58	0.0	0.0	1210	1.51	0.63	8.03	62	78	0	0	0	0
08/06/2007	8:31	0.0	44.7	860	1.82	0.64	7.94	59	71	0	0	0.250	0
08/13/2007	8:45	0.0	4.1	50	0.85	0.34	8.1	61	76	0	0	0	0
08/20/2007	8:50	54.6	158.8	3360	81.4	1.90	7.65	65	69	0	0	0.125	0
08/27/2007	8:43	0.0	0.0	50	13.72	2.19	7.83	65	65	0	0	0.125	0
09/04/2007	8:44	0.0	0.0	50	0.64	0.72	7.88	57	75	0	0	0.150	0
09/11/2007	8:50	16.0	16.0	200	4.23	0.18	8.06	60	55	0	0	0	0
10/09/2007	12:02	0.0	0.0	50	0.40		7.95	60	69	0	0	0	0
10/16/2007	9:55	19.3	31.0	410	1.22	0.96	7.87	59		0	0	0	0

Date	Time	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	D (mg/L)	Cl (mg/L)	P (mg/l)		
05/19/2008		0.0	0.0	200										
05/27/2008	9:26	31.2	31.2	100	0.63	0.01	7.71	8	8.5	0.125	0	0		
06/02/2008	10:49	trace	0.0	100	0.55	1.04	7.79	10.2	24.8	0	0	0		
06/09/2008		45.7	97.8	unable to take sample										
06/16/2008		0.0	1.5	unable to take sample										
06/23/2008	8:49	0.5	3.0	520	0.93	2.25	7.82	12.4	20	0	0	0		
06/30/2008	9:02	2.8	8.4	310	0.51	2.3	7.81	13.2	21.5	0	0	0		
07/07/2008	8:49	0.5	0.5	630	0.87	1.45	7.8	13.8	23	0.125	0.05	0		
07/14/2008	8:59	0.0	0.3	610	0.79	1.63	7.77	14	22.2	0	0	0.015		
07/21/2008	9:00	0.0	3.6	310	0.93	1.97	7.79	14.8	24.3	0	0	0		
07/28/2008	8:43	0.0	0.0	100	0.75	1.96	7.64	14.7	24.2	0.1	0	0		
08/04/2008	9:13	26.2	26.2	2,990	32.9	6.76	7.09	18	23.2	0.1	0	0		
08/11/2008	8:46	0.0	0.0	520	0.68	1.99	7.91	15	22.5	0	0	0		
08/18/2008	8:50	0.0	0.0	520	0.75	2.46	7.82	15.6	25	0	0	0		
08/25/2008	9:12	0.0	0.0	200	0.65	2.26	7.92	16	20	0	0	0		
09/02/2008	8:44	0.0	0.0	100	0.98	2.18	7.93	17	23	0.25	0	0		
09/08/2008	8:48	1.3	1.3	100	1.14	1.99	7.92	16	18	0.125	0	0		
09/15/2008	8:53	17.3	31.0	300	1.39	0.88	7.8	15	15	0	0	0		
09/22/2008	9:13	0.3	0.3	300	0.8	1.47	7.85	11.2	21	0	0	0		
09/29/2008	8:40	0.0	0.0	980	1.28	1.27	7.98	15.1	18	0.05	0	0		
10/06/2008	8:45	5.1	5.1	630	0.7	1.38	7.93	13.9	18	0.05	0	0		

MEAN	514.4	4.8	1.5	7.9	35.6	45.7	0.048	0.001	0.003
SD	729.5	14.7	1.2	0.2	23.3	26.8	0.073	0.009	0.006
MEDIAN	300.0	1.0	1.4	7.9	17.5	25.0	0.000	0.000	0.000
MAX	3,360.00	81.40	6.76	8.10	65.00	84.00	0.250	0.050	0.015
MIN	50.00	0.40	0.01	7.09	8.00	8.50	0.000	0.000	0.000
Key	C = Specific Conductance DO = Dissolved Oxygen P = Phosphates								

Clayton Park - Boat Launch

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	DO (mg/l)	P (mg/l)
06/11/2007	10:08	2.0	0.0	0.0	200	6.2	2.01	8.36	23.9	24.4		
06/18/2007	9:25	0.8	0.0	0.0	310	6.35	0.92	8.34	26.7	29.4		
06/25/2007	9:10	1.9	0.0	0.0	970	22.5	1.90	8.04	22.8	25.0		
07/02/2007	9:10	0.8	0.0	0.0	630	15.8	1.44	8.36	21.1	22.2		
07/09/2007	9:09	0.5	0.0	0.0	3130	7.31	0.93	8.34	26.1	29.4		
07/16/2007	9:18	0.4	0.0	0.0	310	5.96	1.08	8.35	22.8	22.2		
07/23/2007	9:26	0.3	0.0	0.0	100	7.54	1.03	8.38	23.9	25.0		
07/30/2007	9:30	0.9	0.0	0.0	1890	7.64	0.7	8.46	24.4	27.2		
08/06/2007	8:56	1.5	0.0	44.7	510	23.8	1.23	7.68	22.2	22.2		
08/13/2007	9:15	0.9	0.0	4.1	310	22.3	1.22	8.05	22.2	23.9		
08/20/2007	9:19	39.9	54.6	158.8	2,590	9.37	2.03	7.27	19.4	22.2		
08/27/2007	9:10	31.4	0.0	0.0	1850	18.75	3.42	7.59	19.4	20.6		
09/04/2007	9:10	3.3	0.0	0.0	200	8.69	3.24	8.06	20.6	24.4		
09/11/2007	9:15	2.4	16.0	16.0	520	15.6	1.38	8.06	16.7	15.6		
10/09/2007	12:30	0.9	0.0	0.0	200	7.19		8.67	20.6	20.6		

05/19/2008		3.1	0.0	0.0	100							
05/29/2008	11:12	3.3	31.2	31.2	100	8.34	0.61	8.1	15.5	18.6		
06/02/2008	11:23	5.3	trace	0.0	5,120	8.84	2.5	7.29	21.4	23.2	9.81	
06/09/2008	9:32	123.5	45.7	97.8	16240	113	0	6.99	20.7	22.8	6.49	
06/16/2008	9:24	25.6	0.0	1.5	1100	21.7	4.31	7.46	22.4	21.4	7.17	
06/23/2008	9:17	4.1	0.5	3.0	100	17.1	2.7	7.85	20.7	19	9.61	
06/30/2008	9:30	3.7	2.8	8.4	410	17.27	2.1	7.91	22.5	23	8.87	
07/07/2008	9:14	1.4	0.5	0.5	1100	13.9	2.03	7.76	22.2	23.3	5.9	
07/14/2008	9:49	7.6	0.0	0.3	410	18.2	2.22	7.88	23.5	25	9.18	0.15
07/21/2008	9:24	1.4	0.0	3.6	410	37.4	2.09	7.73	23.4	20	4.57	
07/28/2008	9:05	0.7	0.0	0.0	620	11.64	1.25	8.14	24.3	25	7.5	
08/04/2008	9:42	0.7	26.2	26.2	13,760	27.4	3.96	7.57	22.4	24.3		
08/11/2008	9:10	0.6	0.0	0.0	410	7.36	2	8.19	21.8	23.4	10.91	
08/18/2008	9:13	0.6	0.0	0.0	860	6.53	1	8.07	23.7	26	8.02	
08/25/2008	9:34	0.3	0.0	0.0	630	4.66	1.34	8.24	21	20.6	10.01	
09/02/2008	9:14	0.2	0.0	0.0	100	4.93	1.52	8	23.8	25.6	7.67	
09/08/2008	9:27	2.2	1.3	1.3	410	16.1	3.45	7.65	18.9	18.8	8.95	
09/15/2008	9:18	8.8	17.3	31.0	960	19.9	1.6	7.67	19.3	15	9.66	
09/22/2008	9:30	0.6	0.3	0.3	410	8.4	1.68	8.24	20.1	21	9.76	
09/29/2008	9:03	0.4	0.0	0.0	520	9.8	1.35	8.03	17.9	18	8.04	
10/06/2008	9:15	0.3	5.1	5.1	5,730	13	1.03	7.83	13.4	18	8.16	

MEAN	1756.1	16.3	1.8	8.0	21.5	22.5	8.3	0.2				
SD	3518	18.4	1.0	0.4	2.8	3.4	1.6					
MEDIAN	515	11.6	1.6	8.0	22.2	22.8	8.5	0.2				
MAX	16240	113	4.31	8.67	26.67	29.44	10.91	0.15				
MIN	100	4.66	0.00	6.99	13.40	15.00	4.57	0.15				

Key C = Specific Conductance
 DO = Dissolved Oxygen
 P = Phosphates

Barbee Park

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	DO (mg/l)	P (mg/l)
06/11/2007	10:16	2.0	0.0	0.0	100	7.44	1.78	8.13	22.2	27.8		
06/18/2007	9:30	0.8	0.0	0.0	410	6.05	0.63	8.04	25.6	30.6		
06/25/2007	9:17	1.9	0.0	0.0	410	24.4	1.87	7.95	22.8	24.4		
07/02/2007	9:18	0.8	0.0	0.0	300	16.9	1.52	8.14	21.1	22.2		
07/09/2007	9:16	0.5	0.0	0.0	980	8.21	0.89	8.14	26.1	29.4		
07/16/2007	9:26	0.4	0.0	0.0	1090	7.65	1.04	8.3	22.8	23.3		
07/23/2007	9:37	0.3	0.0	0.0	980	9.03	0.94	8.26	23.9	25.6		
07/30/2007	9:38	0.9	0.0	0.0	310	8.99	0.63	8.2	24.4	27.2		
08/06/2007	9:01	1.5	0.0	44.7	1340	31.3	1.12	7.66	21.7	22.2		
08/13/2007	9:25	0.9	0.0	4.1	630	19.31	0.91	7.98	22.8	25.0		
08/20/2007	9:25	39.9	54.6	158.8	5,280	139.1	5.25	7.6	18.3	21.7		
08/27/2007	9:19	31.4	0.0	0.0	100	17.59	3.88	7.78	20.0	20.6		
09/04/2007	9:18	3.3	0.0	0.0	200	8.65	2.94	8.03	20.0	23.9		
09/11/2007	9:22	2.4	16.0	16.0	850	17.7	1.25	7.97	16.7	15.0		
10/09/2007	12:33	0.9	0.0	0.0	310	12.01		8.14	18.9	20.6		

05/19/2008		3.1	0.0	0.0	410							
05/27/2008	10:00	3.3	31.2	31.2	740	11.18	1.07	7.98	13	10.5		
06/02/2008	11:35	5.3	trace	0.0	100	8.88	2.58	7.8	19.8	23.8	9.08	
06/09/2008	9:39	123.5	45.7	97.8	4130	270	0	7.09	20.2	22	7.22	
06/16/2008	9:34	25.6	0.0	1.5	310	20.8	4.55	7.47	20.7	22	7.56	
06/23/2008	9:25	4.1	0.5	3.0	520	19.8	2.6	7.84	19.8	19.3	8.43	
06/30/2008	9:43	3.7	2.8	8.4	620	15.75	2.25	7.88	21.4	23.4	8.07	
07/07/2008	9:20	1.4	0.5	0.5	410	16.4	2.05	7.79	22	23.8	5.5	
07/14/2008	9:56	7.6	0.0	0.3	100	24.4	2.36	7.81	22.4	25.5	7.95	0.15
07/21/2008	9:35	1.4	0.0	3.6	630	16.1	2.04	7.83	23.6	21	5.44	
07/28/2008		0.7	0.0	0.0	Unable to take sample							
07/30/2008	11:06	0.5	0	0	860	14.35	0.83	8.24	24.9	26.9	9.44	
08/04/2008	9:49	0.7	26.2	26.2	10,710	26.1	5.04	7.74	22.3	24.2		
08/11/2008	9:17	0.6	0.0	0.0	840	19.3	1.7	8.28	21.9	23.4	7.03	
08/18/2008	9:21	0.6	0.0	0.0	1,100	4.35	0.99	8.11	23.2	27.9	8.16	
08/25/2008	9:44	0.3	0.0	0.0	200	6.47	1.31	8.28	22	22	10.12	
09/02/2008	9:23	0.2	0.0	0.0	410	4.65	1.61	8.04	24.8	26.7	7.71	
09/08/2008	9:35	2.2	1.3	1.3	100	12.7	3.47	7.59	18.4	18.2	7.49	
09/15/2008	9:36	8.8	17.3	31.0	980	22.1	1.5	7.73	18.4	15	7.47	
09/22/2008	9:03	0.6	0.3	0.3	410	8.6	1.6	8.2	19.8	21	8.47	
09/29/2008	9:09	0.4	0.0	0.0	520	10.5	1.24	8.05	18.3	18	8.28	
10/06/2008	9:20	0.3	5.1	5.1	3,130	0.4	0.76	7.91	13.1	18	8.44	

MEAN					1126	24.8	1.9	7.9	21.1	22.6	7.9	0.2
SD					1977	48.1	1.3	0.3	3.0	4.2	1.2	
MEDIAN					520	14.4	1.6	8.0	21.7	23.3	8.0	0.2
MAX					10710	270.00	5.25	8.30	26.11	30.56	10.12	0.15
MIN					100	0.40	0.00	7.09	13.00	10.50	5.44	0.15

Key C = Specific Conductance
 DO = Dissolved Oxygen
 P = Phosphates

Root River Pathway at Captain's Cove/REC Center - Boat Launch

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	DO (mg/l)	P (mg/l)
06/11/2007	10:26	2.0	0.0	0.0	300	11.6	1.91	8.16	22.8	26.7		
06/18/2007	9:37	0.8	0.0	0.0	410	6.68	0.87	8.2	26.1	30.0		
06/25/2007	9:24	1.9	0.0	0.0	740	29.9	1.99	8	22.8	24.4		
07/02/2007	9:26	0.8	0.0	0.0	1090	17.1	1.86	8.48	21.7	22.8		
07/09/2007	9:25	0.5	0.0	0.0	1090	8.32	0.87	8.25	26.1	29.4		
07/16/2007	9:33	0.4	0.0	0.0	200	9.66	1.18	8.39	23.9	23.3		
07/23/2007	9:43	0.3	0.0	0.0	100	8.91	1.05	8.52	25.0	25.6		
07/30/2007	9:43	0.9	0.0	0.0	630	8.07	0.67	8.33	25.0	27.2		
08/06/2007	9:06	1.5	0.0	44.7	1350	28.9	1.04	7.75	21.1	22.8		
08/13/2007	9:42	0.9	0.0	4.1	740	16	1.16	8.09	22.8	25.6		
08/20/2007	9:32	39.9	54.6	158.8	5,730	150.4	5.6	7.63	18.3	22.8		
08/27/2007	9:25	31.4	0.0	0.0	100	17.9	3.9	7.79	19.4	20.6		
09/04/2007	9:22	3.3	0.0	0.0	1,600	11.57	2.92	8.03	19.4	23.3		
09/11/2007	9:28	2.4	16.0	16.0	200	15.3	1.38	7.99	16.7	15.0		
10/09/2007	12:40	0.9	0.0	0.0	630	12.06		8.05	20.0	20.6		

05/19/2008		3.1	0.0	0.0	100							
05/27/2008	10:08	3.3	31.2	31.2	1600	12.66	1.18	8.02	13	8.5		
06/02/2008	11:43	5.3	trace	0.0	200	10.1	2.56	7.83	20.2	24.8	9.35	
06/09/2008	9:47	123.5	45.7	97.8	1530	298	0	7.11	20.2	21.4	7.36	
06/16/2008	9:44	25.6	0.0	1.5	310	21.9	4.5	7.55	20.9	22.5	7.88	
06/23/2008	9:34	4.1	0.5	3.0	200	16.1	2.71	7.85	20.2	18	8.65	
06/30/2008	9:53	3.7	2.8	8.4	100	14.34	2.18	7.9	21.6	22.8	8.04	
07/07/2008	9:27	1.4	0.5	0.5	410	16.6	2.25	7.81	22.1	22.8	5.36	
07/14/2008	10:06	7.6	0.0	0.3	630	26.9	2.53	7.77	22.5	27.1	7.83	0.12
07/21/2008	9:43	1.4	0.0	3.6	520	16.6	2.13	7.85	23.7	20	5.68	
07/28/2008	9:20	0.7	0.0	0.0	850	11.88	1.33	8.21	24.4	26.1	11.3	
08/04/2008	9:54	0.7	26.2	26.2	12,740	25.5	2.93	7.91	22.6	23		
08/11/2008	9:27	0.6	0.0	0.0	100	5.1	1.13	8.32	22	22.4	11.4	
08/18/2008	9:30	0.6	0.0	0.0	410	4.71	1.09	8.17	23.5	27.8	9.2	
08/25/2008	9:59	0.3	0.0	0.0	740	4.53	1.46	8.32	22.2	21.2	10.75	
09/02/2008	9:34	0.2	0.0	0.0	300	6.11	1.35	8.14	25.4	26.6	8.38	
09/08/2008	9:42	2.2	1.3	1.3	200	16.8	3.65	7.6	18.3	18.2	7.24	
09/15/2008	9:44	8.8	17.3	31.0	970	26.8	1.66	7.77	18	15		
09/22/2008	9:44	0.6	0.3	0.3	100	6.3	1.64	8.21	19.9	21.5	9.16	
09/29/2008	9:15	0.4	0.0	0.0	630	12.2	1.28	8.11	18.5	18	8.74	
10/06/2008	9:25	0.3	5.1	5.1	2,530	9.3	0.73	7.93	13.1	18	8.83	

MEAN 1113.3 26.1 1.9 8.0 21.2 22.4 8.5 0.1
SD 2235 53.1 1.2 0.3 3.2 4.4 1.7
MEDIAN 575 12.7 1.6 8.0 21.7 22.8 8.7 0.1

MAX C = Specific Conductance 5.60 8.52 26.11 30.00 11.40 0.12
MIN DO = Dissolved Oxygen 0.00 7.11 13.00 8.50 5.36 0.12
 P = Phosphates

Root River Pathway at Captain's Cove/REC - Last Painted Pier Footings

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	DO (mg/l)	P (mg/l)
06/18/2007	9:40	0.8	0.0	0.0	200	5.64	0.91	8.36	26.7	30.0		
06/25/2007	9:26	1.9	0.0	0.0	850	23.3	2.04	8.4	23.3	24.4		
07/02/2007	9:31	0.8	0.0	0.0	1420	20.2	1.64	8.63	22.2	22.8		
07/09/2007	9:28	0.5	0.0	0.0	2780	9.49	0.88	8.51	26.7	29.4		
07/16/2007	9:36	0.4	0.0	0.0	3050	60.9	1.11	8.14	23.9	23.3		
07/23/2007	9:46	0.3	0.0	0.0	310	8.77	0.89	8.58	26.1	25.6		
07/30/2007	9:48	0.9	0.0	0.0	850	13.4	0.71	8.66	25.6	27.2		
08/06/2007	9:09	1.5	0.0	44.7	410	23.9	1.17	7.72	21.1	22.8		
08/13/2007	9:43	0.9	0.0	4.1	310	18.2	1.2	8.08	22.8	25.6		
08/20/2007	9:35	39.9	54.6	158.8	5980	122.1	5.61	7.61	18.3	22.8		
08/27/2007	9:27	31.4	0.0	0.0	100	18.73	3.95	7.75	19.4	20.6		
09/04/2007	9:26	3.3	0.0	0.0	200	10.47	2.77	8.02	19.4	23.3		
09/11/2007	9:32	2.4	16.0	16.0	300	15.4	1.38	8.01	16.7	15.0		
10/09/2007	12:45	0.9	0.0	0.0	980	10.23		7.89	20.6	20.6		

05/27/2008	10:11	3.3	31.2	31.2	520	16.33	1.2	8.18	14	8.5		
06/02/2008	11:49	5.3	trace	0.0	310	9.27	2.48	7.98	21.1	24.8	11.52	
06/09/2008	9:51	123.5	45.7	97.8	3130	277	0	7.2	20.3	21.4	7.42	
06/16/2008	9:49	25.6	0.0	1.5	100	14.6	4.26	7.57	20.6	22.5	7.8	
06/23/2008	9:42	4.1	0.5	3.0	100	18.5	2.78	7.83	20.2	18	8.08	
06/30/2008	9:57	3.7	2.8	8.4	100	15.31	2.09	7.89	21.4	22.8	7.68	
07/07/2008	9:30	1.4	0.5	0.5	740	16.4	1.91	7.79	22.2	22.8	5.36	
07/14/2008	10:08	7.6	0.0	0.3	200	26.7	2.22	7.78	22.3	27	7.7	0.15
07/21/2008	9:46	1.4	0.0	3.6	840	30.5	1.96	7.85	24.1	20	5.45	
07/28/2008	9:23	0.7	0.0	0.0	520	11.86	1.38	8.16	25	26.1	12.59	
08/04/2008	9:57	0.7	26.2	26.2	10,920	24.7	2.45	7.88	23	23		
08/11/2008	9:31	0.6	0.0	0.0	310	6.5	1.72	8.35	22	22.4	11.03	
08/18/2008	9:34	0.6	0.0	0.0	520	19.8	0.98	8.2	24	27.8	9.17	
08/25/2008	10:02	0.3	0.0	0.0	200	6.02	1.32	8.29	23.4	21.2	10.34	
09/02/2008	9:37	0.2	0.0	0.0	310	5.39	1.54	8.13	25.6	26.4	8.08	
09/08/2008	9:45	2.2	1.3	1.3	310	16	3.42	7.57	18.7	18.2	7.07	
09/15/2008	9:40	8.8	17.3	31.0	200	25.9	1.72	7.69	18	18		
09/22/2008	9:46	0.6	0.3	0.3	520	9.6	1.64	8.19	20.2	21.5	9.93	
09/29/2008	9:17	0.4	0.0	0.0	1100	11.5	1.28	8.15	18.8	18	8.97	
10/06/2008	9:27	0.3	5.1	5.1	1,830	8	0.62	7.92	13.1	18	9.13	

MEAN	1191.8	27.4	1.9	8.0	21.5	22.4	8.7	0.2
SD	2103	48.8	1.2	0.3	3.3	4.3	2.0	
MEDIAN	465	15.7	1.6	8.0	21.7	22.8	8.1	0.2
MAX	10920	277	5.61	8.66	26.67	30.00	12.59	0.15
MIN	100	5.39	0.00	7.20	13.10	8.50	5.36	0.15

Key C = Specific Conductance
DO = Dissolved Oxygen
P = Phosphates

Root River Pathway at Captain's Cove/REC -Under Sixth St. Bridge/Gospel Lighthouse

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	DO (mg/l)	P (mg/l)
06/18/2007	9:43	0.8	0.0	0.0	310	6.52	1.01	8.11	25.6	30.0		
06/25/2007	9:29	1.9	0.0	0.0	410	27.5	1.91	7.9	22.8	24.4		
07/02/2007	9:37	0.8	0.0	0.0	410	17.6	1.59	8.33	21.1	22.8		
07/09/2007	9:31	0.5	0.0	0.0	1610	11.13	0.85	8.31	26.1	29.4		
07/16/2007	9:40	0.4	0.0	0.0	310	11.3	1.02	8.43	23.9	23.3		
07/23/2007	9:50	0.3	0.0	0.0	50	10.13	0.77	8.42	24.4	25.6		
07/30/2007	9:52	0.9	0.0	0.0	860	7.16	0.65	8.32	23.9	27.2		
08/06/2007	9:11	1.5	0.0	44.7	1830	24.9	1.14	7.68	22.2	22.8		
08/13/2007	9:48	0.9	0.0	4.1	740	15.6	1.11	8.01	22.8	25.6		
08/20/2007	9:38	39.9	54.6	158.8	7710	147.7	5.36	7.68	17.8	22.8		
08/27/2007	9:30	31.4	0.0	0.0	100	18.41	3.83	7.8	19.4	20.6		
09/04/2007	9:30	3.3	0.0	0.0	100	8.29	2.86	7.99	19.4	23.3		
09/11/2007	9:35	2.4	16.0	16.0	960	16.1	1.38	7.95	16.1	15.0		
10/09/2007	12:50	0.9	0.0	0.0	970	84.5		7.48	19.4	20.6		

05/27/2008	10:13	3.3	31.2	31.2	630	12.34	1.25	8.13	14	8.5		
06/02/2008	11:55	5.3	trace	0.0	100	9.87	2.5	7.8	19.6	24.8	8.88	
06/09/2008		123.5	45.7	97.8	Unable to take sample							
06/16/2008	9:57	25.6	0.0	1.5	200	18.2	4.02	7.58	20.6	22.5	7.85	
06/23/2008	9:46	4.1	0.5	3.0	200	19.8	2.56	7.86	20	18	8.16	
06/30/2008	10:03	3.7	2.8	8.4	600	17.66	2.05	7.91	21.5	22.8	7.66	
07/07/2008	9:34	1.4	0.5	0.5	850	17.4	2	7.85	22.6	22.8	5.3	
07/14/2008	10:13	7.6	0.0	0.3	200	24.8	2.21	7.76	22.2	25.8	7.67	0.15
07/21/2008	9:50	1.4	0.0	3.6	200	16	2.02	7.96	24.3	19.8	5.9	
07/28/2008	9:27	0.7	0.0	0.0	200	14.23	1.37	8.16	24.7	25	13.28	
08/04/2008	9:57	0.7	26.2	26.2	10,430	22.5	2.9	7.94	23.2	23		
08/11/2008	9:34	0.6	0.0	0.0	100	4.68	1.51	8.43	22.6	22.4	11.18	
08/18/2008	9:37	0.6	0.0	0.0	200	5.7	1.22	8.17	23.8	26	8.5	
08/25/2008	10:05	0.3	0.0	0.0	200	5.54	1.45	8.3	23.1	20.1	10.58	
09/02/2008	9:43	0.2	0.0	0.0	100	5.06	1.42	8.11	25.4	26.3	7.86	
09/08/2008	9:49	2.2	1.3	1.3	630	16.5	3.48	7.58	18.6	18.2	7.29	
09/15/2008	9:52	8.8	17.3	31.0	960	23.5	1.73	7.8	18	18		
09/22/2008	9:49	0.6	0.3	0.3	100	5.7	1.7	8.2	20.3	21.5	11.2	
09/29/2008	9:21	0.4	0.0	0.0	520	17.5	1.25	8.26	19.1	18	9.56	
10/06/2008	9:30	0.3	5.1	5.1	960	9.8	0.75	7.95	13.3	18	9.25	

MEAN 1022.7 20.4 1.9 8.0 21.3 22.3 8.8 0.2
SD 2148 26.7 1.1 0.3 3.2 4.2 2.1
MEDIAN 410 16.0 1.6 8.0 22.2 22.8 8.3 0.2

MAX 10,430 147.7 5.36 8.43 26.11 30.00 13.28 0.15
MIN 50 4.68 0.65 7.48 13.30 8.50 5.30 0.15
Key C = Specific Conductance
 DO = Dissolved Oxygen
 P = Phosphates

South Marquette Street @ Root River - North Bank, West Side

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	DO (mg/l)	P (mg/l)
06/11/2007	10:46	2.0	0.0	0.0	200	4.05	1.65	8.03	22.8	27.8		
06/18/2007	9:50	0.8	0.0	0.0	100	8.99	0.73	8.11	26.7	31.1		
06/25/2007	9:39	1.9	0.0	0.0	100	19.88	1.86	7.8	21.7	24.4		
07/02/2007	9:46	0.8	0.0	0.0	200	14.3	1.65	8.26	22.2	22.8		
07/09/2007	9:40	0.5	0.0	0.0	520	14.33	1.09	8.3	25.6	29.4		
07/16/2007	9:53	0.4	0.0	0.0	200	19.9	1.04	8.45	24.4	23.3		
07/23/2007	10:02	0.3	0.0	0.0	100	10.18	0.75	8.36	24.4	27.2		
07/30/2007	10:02	0.9	0.0	0.0	410	7.26	0.62	8.39	26.1	28.3		
08/06/2007	9:19	1.5	0.0	44.7	980	15.2	2.50	7.6	22.8	22.8		
08/13/2007	9:57	0.9	0.0	4.1	520	16.81	1.04	8.06	23.3	26.1		
08/20/2007	9:48	39.9	54.6	158.8	7940	148.2	5.54	7.62	18.3	22.8		
08/27/2007	9:42	31.4	0.0	0.0	100	18.06	3.83	7.74	19.4	21.1		
09/04/2007	9:41	3.3	0.0	0.0	200	8.72	2.74	7.98	20.0	23.9		
09/11/2007	9:50	2.4	16.0	16.0	980	17.4	1.38	7.88	16.7	17.8		
10/09/2007	13:01	0.9	0.0	0.0	980	11.12		7.8	20.0	20.6		

05/19/2008		3.1	0.0	0.0	100							
05/27/2008	10:22	3.3	31.2	31.2	1430	9.94	1.47	8.15	15	9		
06/02/2008	12:05	5.3	trace	0.0	100	9.43	2.59	7.71	18.9	23.7	7.78	
06/09/2008	10:11	123.5	45.7	97.8	2160	241	0	7.16	20.1	22.3	7.44	
06/16/2008	10:11	25.6	0.0	1.5	310	22.7	4.75	7.56	20.6	22	7.76	
06/23/2008	9:55	4.1	0.5	3.0	200	15.6	2.49	7.82	20.1	19.2	7.42	
06/30/2008	10:14	3.7	2.8	8.4	100	15.06	2.39	7.87	21.2	22.4	6.89	
07/07/2008	9:46	1.4	0.5	0.5	410	17.3	2.1	7.9	23.6	24	6.2	
07/14/2008	10:24	7.6	0.0	0.3	310	27.4	2.49	7.78	22.2	27	7.58	0.15
07/21/2008	9:58	1.4	0.0	3.6	980	18.5	2.21	7.99	25.3	19.2	7.24	
07/28/2008	9:42	0.7	0.0	0.0	200	18.3	1.22	8.2	25.2	26.6	12.2	
08/04/2008	10:07	0.7	26.2	26.2	4,100	27.6	1.73	8.03	23.2	24.2		
08/11/2008	9:47	0.6	0.0	0.0	100	2.44	1.19	8.44	22.8	22	11.94	
08/18/2008	9:49	0.6	0.0	0.0	100	5.71	1.36	8.16	23.6	27.7	7.91	
08/25/2008	10:16	0.3	0.0	0.0	100	5.87	1.51	8.21	23.6	22.3	9.67	
09/02/2008	9:54	0.2	0.0	0.0	100	4.25	1.43	7.97	25.5	27.5	5.56	
09/08/2008	10:00	2.2	1.3	1.3	200	13.6	3.52	7.6	18.9	18.6	6.73	
09/15/2008	10:00	8.8	17.3	31.0	740	18.5	1.52	7.71	18.2	18	8.17	
09/22/2008	9:59	0.6	0.3	0.3	100	7.6	1.7	8.12	20.9	22.2	11.66	
09/29/2008	9:30	0.4	0.0	0.0	300	17.2	1.37	8.22	19.6	18	9.65	
10/06/2008	9:40	0.3	5.1	5.1	100	5.8	0.64	7.82	13.5	18	8.38	

MEAN					715.8	23.9	1.9	8.0	21.6	23.0	8.3	0.2
SD					1455	44.5	1.2	0.3	3.1	4.3	1.9	
MEDIAN					200	15.1	1.6	8.0	22.2	22.8	7.8	0.2
MAX					7,940.00	241	5.54	8.45	26.67	31.11	12.20	0.15
MIN					100.00	2.44	0.00	7.16	13.50	9.00	5.56	0.15
Key	C = Specific Conductance DO = Dissolved Oxygen P = Phosphates											

South Marquette Street @ Root River - Middle of Bridge, West Side

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	P (mg/l)
06/11/2007	10:52	2.0	0.0	0.0	410	5.97	1.78	8.01	23.3	27.8	
06/18/2007	10:07	0.8	0.0	0.0	50	6.36	0.65	8.71	26.7	31.1	
06/25/2007	9:43	1.9	0.0	0.0	310	20.4	1.85	7.73	21.7	24.4	
07/02/2007	9:52	0.8	0.0	0.0	100	12.2	1.26	8.23	21.7	22.8	
07/09/2007	9:45	0.5	0.0	0.0	100	15.03	1.08	8.26	25.6	29.4	
07/16/2007	9:58	0.4	0.0	0.0	100	16.1	0.76	8.48	23.9	23.3	
07/23/2007	10:07	0.3	0.0	0.0	50	7.96	0.60	8.41	25.0	27.2	
07/30/2007	10:07	0.9	0.0	0.0	410	14.66	0.68	8.47	26.1	28.3	
08/06/2007	9:22	1.5	0.0	44.7	1560	20.9	2.16	7.66	22.2	22.8	
08/13/2007	10:01	0.9	0.0	4.1	740	14.68	1.23	8.1	23.3	26.1	
08/20/2007	9:53	39.9	54.6	158.8	7230	121.1	4.99	7.6	17.8	22.8	
08/27/2007	9:46	31.4	0.0	0.0	100	18.02	3.69	7.79	20.0	21.1	
09/04/2007	9:45	3.3	0.0	0.0	50	8.48	2.33	8.04	18.3	23.9	
09/11/2007	9:54	2.4	16.0	16.0	740	17.8	1.34	7.93	16.1	17.8	
10/09/2007	13:05	0.9	0.0	0.0	300	10.8		7.45	20.0	20.6	

05/19/2008		3.1	0.0	0.0	100						
05/27/2008	10:27	3.3	31.2	31.2	630	9.47	1.41	8.18	14.7	9	
06/02/2008	12:14	5.3	trace	0.0	100	9.34	2.46	7.75	19.5	23.7	
06/09/2008	10:18	123.5	45.7	97.8	2160	280	0	7.15	20	22.3	
06/16/2008	10:19	25.6	0.0	1.5	310	17.5	4.55	7.56	20	22	
06/23/2008	10:02	4.1	0.5	3.0	100	13.9	2.52	7.82	19.5	19.2	
06/30/2008	10:22	3.7	2.8	8.4	200	15.32	2.01	7.87	21	22.4	
07/07/2008	9:51	1.4	0.5	0.5	100	16.1	2.09	7.91	22.6	24	
07/14/2008	10:29	7.6	0.0	0.3	300	23.8	2.49	7.78	23	27.6	0.1
07/21/2008	10:00	1.4	0.0	3.6	740	21.7	1.92	8.03	24.3	19.2	
07/28/2008	9:43	0.7	0.0	0.0	300	15.82	1.44	8.26	24	26.4	
08/04/2008	10:08	0.7	26.2	26.2	22,820	26.5	1.96	8	23.2	24.2	
08/11/2008	9:48	0.6	0.0	0.0	200	5.03	1.27	8.45	21.8	22	
08/18/2008	9:50	0.6	0.0	0.0	100	5.02	1.03	8.16	24.1	27.7	
08/25/2008	10:17	0.3	0.0	0.0	200	6.1	1.15	8.2	22.7	22.3	
09/02/2008	10:01	0.2	0.0	0.0	200	5.44	1.02	8.04	26	27.5	
09/08/2008	10:03	2.2	1.3	1.3	970	19.1	3.15	7.56	18.6	18.6	
09/15/2008	9:56	8.8	17.3	31.0	1220	29.2	1.68	7.8	18	18	
09/22/2008	10:00	0.6	0.3	0.3	100	5.6	1.78	8.18	21	22.2	
09/29/2008	9:30	0.4	0.0	0.0	310	10.2	1.06	8.24	19.1	18	
10/06/2008	9:40	0.3	5.1	5.1	410	8.2	0.69	7.89	13.5	18	

MEAN					1217.2	24.4	1.8	8.0	21.4	23.0	0.1
SD					3900.9	48.5	1.1	0.3	3.2	4.3	
MEDIAN					300.0	14.7	1.6	8.0	21.7	22.8	0.1
MAX					22,820	280.00	4.99	8.71	26.67	31.11	0.10
MIN					50.00	5.02	0.00	7.15	13.50	9.00	0.10
Key	C = Specific Conductance DO = Dissolved Oxygen P = Phosphates										

5th St. Yacht Club - Pier, North Bank of Root River

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	DO (mg/l)	P (mg/l)
06/11/2007	11:01	2.0	0.0	0.0	50	4.3	1.83	7.99	21.7	26.1		
06/18/2007	10:14	0.8	0.0	0.0	410	7.61	1.02	8.11	26.7	30.0		
06/25/2007	9:50	1.9	0.0	0.0	50	21.6	1.58	7.86	22.2	24.4		
07/02/2007	9:58	0.8	0.0	0.0	100	15.8	1.18	8.21	22.2	22.8		
07/09/2007	9:53	0.5	0.0	0.0	100	15.11	1.26	8.24	26.1	30.0		
07/16/2007	10:04	0.4	0.0	0.0	410	13.8	0.75	8.46	23.9	23.3		
07/23/2007	10:15	0.3	0.0	0.0	100	11.23	0.72	8.45	25.0	27.2		
07/30/2007	10:14	0.9	0.0	0.0	410	19.15	0.73	8.45	26.1	28.3		
08/06/2007	9:28	1.5	0.0	44.7	1690	26.8	2.35	7.63	22.2	22.8		
08/13/2007	10:05	0.9	0.0	4.1	1210	17.08	1.07	8.02	23.3	26.1		
08/20/2007	9:58	39.9	54.6	158.8	8600	145.4	5.23	7.62	18.3	22.8		
08/27/2007	9:52	31.4	0.0	0.0	410	18.53	3.74	7.75	19.4	21.1		
09/04/2007	9:51	3.3	0.0	0.0	410	8.05	2.38	7.98	18.9	23.9		
09/11/2007	10:03	2.4	16.0	16.0	520	16.6	1.50	7.9	16.7	17.8		
10/09/2007	13:11	0.9	0.0	0.0	310	8.66		7.77	20.0	20.6		

05/19/2008		3.1	0.0	0.0	100							
05/27/2008	10:34	3.3	31.2	31.2	1080	8.87	0.98	8.11	15	9.5		
06/02/2008	12:22	5.3	trace	0.0	100	9.51	2.58	7.73	18.9	22.8	8.03	
06/09/2008	10:23	123.5	45.7	97.8	2530	276	0	7.16	20.1	21.7	7.55	
06/16/2008	10:25	25.6	0.0	1.5	200	19.8	4.67	7.56	20.5	21.7	7.84	
06/23/2008	10:10	4.1	0.5	3.0	100	13.7	2.46	7.79	20	19	7.35	
06/30/2008	10:28	3.7	2.8	8.4	300	15.91	2.1	7.88	21.4	20.6	7.05	
07/07/2008	9:56	1.4	0.5	0.5	410	15.8	2.08	7.99	23.9	22	7.41	
07/14/2008	10:36	7.6	0.0	0.3	200	23	2.5	7.78	21.9	25.8	7.43	0.15
07/21/2008	10:06	1.4	0.0	3.6	840	16.6	1.94	8.01	25.5	21.1	7.03	
07/28/2008	9:47	0.7	0.0	0.0	100	12.36	0.98	8.23	24.6	26	11.06	
08/04/2008	10:14	0.7	26.2	26.2	3,590	23.2	1.25	8.06	24	25.3		
08/11/2008	9:54	0.6	0.0	0.0	100	5.9	1.05	8.43	23	22.3	11.35	
08/18/2008	10:00	0.6	0.0	0.0	410	5.19	1.09	8.15	23.9	27	8.1	
08/25/2008	10:26	0.3	0.0	0.0	100	6.47	0.9	8.24	24	22.5	9.6	
09/02/2008	10:08	0.2	0.0	0.0	200	5.08	1.29	7.93	25.9	26.6	5.88	
09/08/2008	10:10	2.2	1.3	1.3	410	12.3	3.23	7.61	18.9	18.2	6.79	
09/15/2008	10:04	8.8	17.3	31.0	310	22.4	1.55	7.75	17	18		
09/22/2008	10:05	0.6	0.3	0.3	100	9.2	1.78	8.15	22	22	11.06	
09/29/2008	9:38	0.4	0.0	0.0	200	16.5	1.17	8.17	19	19	9.14	
10/06/2008	9:46	0.3	5.1	5.1	200	6.5	0.84	7.76	13.6	18	7.31	

MEAN 25.0 1.8 8.0 21.6 22.8 8.2 0.2
SD 49.4 1.1 0.3 3.3 4.0 1.6
MEDIAN 15.1 1.4 8.0 22.0 22.8 7.6 0.2

MAX 276 5.23 8.46 26.67 30.00 11.35 0.15
MIN 4.30 0.00 7.16 13.60 9.50 5.88 0.15
 Key C = Specific Conductance
 DO = Dissolved Oxygen
 P = Phosphates

Pier West of Water St. OF, in Azarian directly across from 5th St. Yacht Club

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	DO (mg/l)	P (mg/l)
06/11/2007	12:11	2.0	0.0	0.0	2090	5.4	1.93	8	22.2	27.2		
06/18/2007	11:05	0.8	0.0	0.0	410	8.56	0.96	8.16	26.7	30.0		
06/25/2007	10:50	1.9	0.0	0.0	300	24.9	1.80	7.9	22.8	25.6		
07/02/2007	10:57	0.8	0.0	0.0	310	13.2	1.35	8.25	21.7	22.8		
07/09/2007	10:51	0.5	0.0	0.0	50	16.31	1.18	8.31	26.1	32.2		
07/16/2007	11:07	0.4	0.0	0.0	100	15.6	0.91	8.46	22.2	22.2		
07/23/2007	11:03	0.3	0.0	0.0	50	12.1	0.58	8.47	25.0	27.8		
07/30/2007	11:09	0.9	0.0	0.0	100	18.64	0.49	8.43	26.1	28.3		
08/06/2007	10:19	1.5	0.0	44.7	2400	22.9	1.74	7.63	22.8	22.8		
08/13/2007	10:52	0.9	0.0	4.1	1350	19.47	1.27	8.05	24.4	26.7		
08/20/2007	10:44	39.9	54.6	158.8	7380	136.6	5.04	7.68	18.3	22.8		
08/27/2007	10:42	31.4	0.0	0.0	50	18.09	3.00	7.78	19.4	21.1		
09/04/2007	10:44	3.3	0.0	0.0	11980	18.76	0.84	7.95	18.3	25.0		
09/11/2007	10:52	2.4	16.0	16.0	630	22.7	1.47	7.92	16.7	18.3		
10/09/2007	14:24	0.9	0.0	0.0	510	12.16	7.76		20.6			

05/19/2008		3.1	0.0	0.0	100							
05/27/2008	11:26	3.3	31.2	31.2	630	8.84	0.93	8.13	14.5	8		
06/02/2008	1:33	5.3	trace	0.0	100	9.74	2.24	7.77	19	22	7.8	
06/09/2008	11:24	123.5	45.7	97.8	2260	243	0	7.14	20.1	22.5	7.6	
06/16/2008	11:27	25.6	0.0	1.5	410	19.8	3.59	7.6	20.5	20.1	7.67	
06/23/2008	11:15	4.1	0.5	3.0	100	14.7	2.71	7.84	19.9	20.2	7.67	
06/30/2008	11:42	3.7	2.8	8.4	300	16.7	1.71	7.85	21.5	21.8	7.39	
07/07/2008	10:57	1.4	0.5	0.5	100	16.7	1.53	7.96	19	23	6.62	
07/14/2008	11:31	7.6	0.0	0.3	410	23.5	1.92	7.79	22	25.2	7.5	0.2
07/21/2008	10:58	1.4	0.0	3.6	740	16.6	2.13	8.04	25.4	21	7.8	
07/28/2008	10:49	0.7	0.0	0.0	100	11.4	1.11	8.3	25.6	25	12.5	
08/04/2008	11:07	0.7	26.2	26.2	12,740	26.1	2.4	8.02	25	27.2		
08/11/2008	10:47	0.6	0.0	0.0	100	5.86	1.16	8.44	23.2	22	11.52	
08/18/2008	10:48	0.6	0.0	0.0	310	6.55	1.14	8.21	24	27.4	8.28	
08/25/2008	11:13	0.3	0.0	0.0	100	7.56	1	8.25	24	20	9.73	
09/02/2008	11:42	0.2	0.0	0.0	100	6	1.43	7.96	26.3	27.3	6.08	
09/08/2008	11:13	2.2	1.3	1.3	310	14.46	3.46	7.62	18.8	18	6.79	
09/15/2008	11:00	8.8	17.3	31.0	1100	21.1	1.45	7.77	18	18	7.67	
09/22/2008	10:51	0.6	0.3	0.3	410	11.9	0.45	7.96	21.1	23.2	11.68	
09/29/2008	10:24	0.4	0.0	0.0	100	15.2	1.14	8.16	19	20	9.41	
10/06/2008	10:27	0.3	5.1	5.1	410	7	0.67	7.84	13.4	15.5	8.05	

MEAN 24.8 1.6 8.0 21.6 22.9 8.4 0.2
SD 43.6 1.0 0.3 3.4 4.5 1.8
MEDIAN 15.6 1.4 8.0 21.8 22.8 7.7 0.2

MAX 243.00 5.04 8.47 26.67 32.22 12.50 0.20
MIN 5.40 0.00 7.14 13.40 8.00 6.08 0.20
Key C = Specific Conductance
DO = Dissolved Oxygen
P = Phosphates

OF WaterSt. RR36. West

2008 data only

Date	Time	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	Detergents (mg/l)	Cl (mg/l)	Phosphates
05/27/2008	11:22	0	1.23	310	9.45	0.03	7.94	11	8	0.125	0	0.2
06/02/2008	11:26	trace	0	410	2.86	0.13	7.91	15	22	0.125	0.2	0.2
06/09/2008		1.8	3.85		UNABLE TO TAKE SAMPLE							
06/16/2008	11:21	0	0.06	2620	23.5	0.06	7.96	15.5	20.1	0.125	0.1	0.2
06/23/2008	11:07	0.02	0.12	1310	18.7	0.38	7.87	17	20.2	0.125	0.15	0.2
06/30/2008	11:35	0.11	0.33	11000	48.4	0.17	7.81	17.1	21.8	0.125	0	0.2
07/07/2008	10:49	0.02	0.02	51720	142.6	0.68	7.82	19	23.5	0.2	0	0.2
07/14/2008	11:27	0	0.01	310	10.2	0.12	7.9	18.5	24.8	0.125	0.2	0.3
07/21/2008	10:53	0	0.14	241920	70.7	0.28	7.85	19.2	21	0.25	0.05	
07/28/2008	10:43	0	0	5,120	76	2.14	7.94	20.2	25	0.125	0.1	
08/04/2008	11:03	1.03	1.03	3,310	39.7	7.63	7.5	22	27.2	0.125	0.05	
08/11/2008	10:42	0	0	16,640	125.7	2.26	7.9	21.7	22	0.125	0.2	
08/18/2008		0	0		UNABLE TO TAKE SAMPLE							
08/25/2008	11:08	0	0	740	4.78	2.17	7.8	22.3	20	0.125	0.25	
09/02/2008	11:34	0	0	100	6.76	2.87	7.83	22.9	27.3	0.05	0.2	
09/08/2008	11:04	0.05	0.05	2780	99.8	0.43	7.71	19.8	18	0.2	0.1	
09/15/2008	10:50	0.68	1.22	5040	32.9	0.02	7.99	18	18	0.15	0	
09/22/2008	10:46	0.01	0.01	410	13.3	0.3	7.92	21	23.2	0.2	0.2	
09/29/2008	10:24	0	0	3680	88.3	0.3	7.98	19	20	0.2	0.1	
10/06/2008	10:27	0.2	0.2	92080	4.6	0.11	7.85	17.0	15.5	0.25	0	
		MEAN		24417	45.5	1.1	7.9	18.7	21.0	0.153	0.106	0.214
		SD		59131	44.6	1.9	0.1	3.0	4.5	0.052	0.087	0.038
		MEDIAN		3045	28.2	0.3	7.9	19.0	21.4	0.125	0.100	0.200
		MAX		241920	142.60	7.63	7.99	22.90	27.30	0.250	0.250	0.300
		MIN		100	2.86	0.02	7.50	11.00	8.00	0.050	0.000	0.200

OF, Water St. RR36, 2 East

Date	Time	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	Turbidity (NTU)	Conductivity (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	Cu (µg/L)	Phenols (µg/L)	D (mg/L)	Cl (mg/L)
05/31/2007	11:46	0	0	810				15.6	21.7				
06/11/2007	12:08	0	0	310	4.62	0.88	8.05	18.3	27.2	0	0	0	0
06/18/2007	11:01	0	0	4720	9.06	0.68	7.92	20.6	30.0	0	0	0.125	0.15
06/25/2007	10:47	0	0	1220	12.62	0.24	7.91	19.4	25.6	0	0	0.375	0.1
07/02/2007	10:53	0	0	6200	61.8	0.21	7.99	18.3	22.8	0	0	0	0.1
07/09/2007	10:46	0	0	1600	21.1	1.14	7.95	21.1	32.2	0	0	0.375	0
07/16/2007	11:02	0	0	1750	51.9	1.54	7.93	20.6	22.2	0	0	0.250	0
07/23/2007	10:59	0	0	1870	14.7	1.3	7.91	22.8	27.8	0	0	0.375	0
07/30/2007	11:04	0	0	8600	56.1	1.0	7.88	23.3	28.3	0	0	0	0
08/06/2007	10:16	0	1.76	2460	33.1	0.23	7.71	20.6	22.8	0	0	0.375	0
08/13/2007	10:55	0	0.16	2590	31.4	0.28	8.11	21.7	26.7	0	0	0.250	0
08/20/2007	10:40	2.15	6.25	1560	8.29	0.04	7.74	19.4	22.8	0	0	0.250	0
08/27/2007	10:37	0	0	3990	12.49	0.11	7.93	20.6	21.1	0	0	0.250	0.15
09/04/2007	10:40	0	0	520	8.94	2.43	8.05	16.7	25.0	0	0	0.125	0
09/11/2007	10:47	0.69	0.7	27550	69.4	0.08	8.02	18.3	18.3	0	0	0.250	0
10/09/2007	14:21	0	0	2780	8.22		7.87		20.6	0	0	0.250	0
10/16/2007	10:50	0.76	1.22	6130	12.1	3.86	7.47		15.0	0	0	0.250	0

Date	Time	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	Turbidity (NTU)	Conductivity (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	D (mg/L)	Cl (mg/L)	P (mg/l)
05/19/2008		0	0	4040								
05/27/2008	11:22	1.23	1.23	310	9.45	0.03	7.94	11	8	0.125	0	0.2
06/02/2008	1:29	trace	0	410	2.91	0.05	7.92	14.5	22		0.15	0.25
06/09/2008		1.8	3.85									
06/16/2008	11:23	0	0.06	2400	18.2	0.04	7.96	15.4	20.1	0.125	0.15	0
06/23/2008	11:10	0.02	0.12	2030	20.3	0.54	7.88	16.8	20.2	0.125	0.15	0.2
06/30/2008	11:38	0.11	0.33	46110	83.4	0.27	7.77	17	21.8	0.125	0	0.2
07/07/2008	10:51	0.02	0.02	21430	138.3	0.59	7.8	19	23.5	0.125	0	0.2
07/14/2008	11:29	0	0.01	1090	11.5	0.12	7.87	18.5	24.8	0.125	0.2	0.1
07/21/2008	10:54	0	0.14	173287	63.1	0.25	7.86	19	21	0.125	0	
07/28/2008	10:45	0	0	3730	62.9	1.28	7.88	20.2	25	0.2	0	
08/04/2008	11:05	1.03	1.03	1,730	33.2	6.47	7.46	22	27.2	0.2	0.1	
08/11/2008	10:44	0	0	13,740	83.6	1.45	7.87	20.8	22	0.125	0.2	
08/18/2008												
08/25/2008	11:10	0	0	3,360	14.79	1.83	7.77	22	20	0.125	0.25	
09/02/2008	11:37	0	0	300	12.72	2.95	7.83	22.7	27.3	0.2	0.2	
09/09/2008	11:07	0.05	0.05	3280	107.8	0.56	7.82	19.7	18	0.125	0.1	
09/15/2008	10:54	0.68	1.22	7060	38.4	0.02	7.98	18	18	0.15	0	
09/22/2008	10:49	0.01	0.01	2100	12.7	0.31	7.92	21.1	23.2	0.05	0	
09/29/2008	10:26	0	0	4460	135	0.27	8.01	19	20	0.25	0.1	
10/06/2008	10:29	0.2	0.2	68670	12.7	0.11	7.86	17.0	15.5	0.125	0	

MEAN				12061.0	37.6	0.9	7.9	19.1	22.5	0.180	0.062	0.164
SD				30893.3	37.0	1.3	0.1	2.7	4.6	0.104	0.081	0.085
MEDIAN				2685.0	19.3	0.3	7.9	19.4	22.2	0.125	0.000	0.200
MAX				173,287.00	138.30	6.47	8.11	23.33	32.22	0.375	0.250	0.250
MIN				300.00	2.91	0.02	7.46	11.00	8.00	0.000	0.000	0.000
Key	C = Specific Conductance DO = Dissolved Oxygen P = Phosphates											

Azarian Marina - Sampling Point #2, Upstream

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	P (mg/l)
06/11/2007	11:59	2.0	0.0	0.0	200	7.05	1.79	8.06	23.9	26.1	
06/18/2007	10:56	0.8	0.0	0.0	100	6.88	0.94	8.18	26.7	30.0	
06/25/2007	10:40	1.9	0.0	0.0	200	20.6	1.86	7.85	22.8	25.6	
07/02/2007	10:47	0.8	0.0	0.0	50	11.28	1.37	8.07	22.2	22.2	
07/09/2007	10:39	0.5	0.0	0.0	100	17.46	1.66	8.26	23.3	31.7	
07/16/2007	10:51	0.4	0.0	0.0	100	24.1	1.21	8.31	23.3	22.2	
07/23/2007	10:54	0.3	0.0	0.0	100	22.7	0.72	8.12	25.6	28.3	
07/30/2007	10:56	0.9	0.0	0.0	310	13.06	0.46	8.28	26.7	28.9	
08/06/2007	10:06	1.5	0.0	44.7	1600	22.2	3.76	7.57	22.8	23.9	
08/13/2007	10:45	0.9	0.0	4.1	730	15.52	1.01	8	24.4	26.7	
08/20/2007	10:33	39.9	54.6	158.8	7940	149.1	5.21	7.62	18.3	21.1	
08/27/2007	10:29	31.4	0.0	0.0	200	19.37	3.09	7.78	19.4	21.7	
09/04/2007	10:34	3.3	0.0	0.0	100	9.83	2.34	7.98	17.8	25.0	
09/11/2007	10:41	2.4	16.0	16.0	1730	15.2	2.00	7.83	16.7	18.9	
10/09/2007	14:13	0.9	0.0	0.0	410	29.8		7.74		20.6	

05/19/2008		3.1	0.0	0.0	100						
05/27/2008	11:16	3.3	31.2	31.2	1990	12.08	1.45	7.91	16.5	10.5	
06/02/2008	1:17	5.3	trace	0.0	100	9.63	2.76	7.68	18.8	21.7	
06/09/2008	11:17	123.5	45.7	97.8	2950	273	0	7.16	20	22.3	
06/16/2008	11:12	25.6	0.0	1.5	410	14.8	3.65	7.57	20	19.9	
06/23/2008	11:00	4.1	0.5	3.0	2030	12.2	2.68	7.83	20.9	20.6	
06/30/2008	11:27	3.7	2.8	8.4	100	16.78	1.85	7.89	21.8	21	
07/07/2008	10:40	1.4	0.5	0.5	100	13.9	1.77	8.01	23.2	22.8	
07/14/2008	11:18	7.6	0.0	0.3	310	25.5	2.1	7.78	22	23.2	0.15
07/21/2008	10:45	1.4	0.0	3.6	100	12.5	2.3	7.99	24	20	
07/28/2008	10:36	0.7	0.0	0.0	100	10.45	1.07	8.38	25.3	25	
08/04/2008	11:00	0.7	26.2	26.2	4,260	25	1.71	8.12	23	27.2	
08/11/2008	10:36	0.6	0.0	0.0	100	6.9	0.98	8.42	23	22.8	
08/18/2008	10:39	0.6	0.0	0.0	100	7.12	1.31	8.23	24.2	28	
08/25/2008	11:01	0.3	0.0	0.0	100	7.13	0.84	8.28	23.2	21.3	
09/02/2008	11:26	0.2	0.0	0.0	100	3.6	1.26	7.89	26.2	27.3	
09/08/2008	10:57	2.2	1.3	1.3	520	10.23	3.46	7.63	19.2	18	
09/15/2008	10:45	8.8	17.3	31.0	410	18.26	1.41	7.73	18.1	18	
09/22/2008	10:40	0.6	0.3	0.3	100	3.4	1.92	7.96	20.6	22	
09/29/2008	10:17	0.4	0.0	0.0	100	22	1.47	7.95	20.4	20	
10/06/2008	10:21	0.3	5.1	5.1	100	3.3	0.93	7.65	14.0	15.5	

MEAN	779.2	25.2	1.8	7.9	21.7	22.9	0.2
SD	1544.3	49.3	1.1	0.3	3.1	4.3	
MEDIAN	100.0	13.9	1.7	8.0	22.5	22.2	0.2
MAX	7,940	273.0	5.21	8.42	26.67	31.67	0.15
MIN	50.00	0.43	0.00	7.16	14.00	10.50	0.15

Key C = Specific Conductance
 DO = Dissolved Oxygen
 P = Phosphates

Azarian Marina - Sampling Point #1, Downstream

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmho/s/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	DO (mg/l)	P (mg/l)
06/11/2007	11:52	2.0	0.0	0.0	50	10.3	2.36	7.98	23.3	27.2		
06/18/2007	10:50	0.8	0.0	0.0	50	3.7	1.41	7.78	26.1	29.4		
06/25/2007	10:32	1.9	0.0	0.0	100	13.72	2.02	7.81	23.9	25.6		
07/02/2007	10:41	0.8	0.0	0.0	50	8.86	1.68	8.01	21.7	22.2		
07/09/2007	10:33	0.5	0.0	0.0	100	9.82	2.32	8.17	23.9	31.7		
07/16/2007	10:43	0.4	0.0	0.0	50	8.1	1.92	8.07	23.9	22.2		
07/23/2007	10:48	0.3	0.0	0.0	50	4.46	1.22	7.88	25.6	28.3		
07/30/2007	10:48	0.9	0.0	0.0	50	6.15	1.06	8.06	26.1	28.9		
08/06/2007	9:58	1.5	0.0	44.7	1320	14.96	3.97	7.52	23.9	23.9		
08/13/2007	10:38	0.9	0.0	4.1	630	9.72	1.43	7.86	23.3	26.7		
08/20/2007	10:28	39.9	54.6	158.8	7330	129.6	4.96	7.64	18.9	21.1		
08/27/2007	10:23	31.4	0.0	0.0	200	13.45	3.37	7.76	20.6	21.7		
09/04/2007	10:26	3.3	0.0	0.0	50	5.86	2.82	7.92	18.3	25.0		
09/11/2007	10:35	2.4	16.0	16.0	970	10.4	2.94	7.84	17.2	18.9		
10/09/2007	14:07	0.9	0.0	0.0	200	14.84		7.8		20.6		

05/19/2008		3.1	0.0	0.0								
05/27/2008	11:11	3.3	31.2	31.2	12740	9.82	2.67	7.57	16	10.3		
06/02/2008	1:11	5.3	trace	0.0	100	9.56	2.81	7.67	18.5	22.3	7.6	
06/09/2008	11:11	123.5	45.7	97.8	2950	328	0	7.15	20.2	22.5	7.68	
06/16/2008	11:07	25.6	0.0	1.5	310	17.8	3.93	7.56	20	20.3	7.58	
06/23/2008	10:51	4.1	0.5	3.0	100	11.2	2.73	7.81	20.5	20.6	7.23	
06/30/2008	11:18	3.7	2.8	8.4	410	10.55	2.23	7.84	21.6	21	6.48	
07/07/2008	10:35	1.4	0.5	0.5	100	9.8	1.74	7.95	23.3	22.8	8.21	
07/14/2008	11:14	7.6	0.0	0.3	310	19	2.07	7.77	21.8	25.3	7.15	0.2
07/21/2008	10:40	1.4	0.0	3.6	310	9.5	2.86	7.93	23.8	21	7.2	
07/28/2008	10:29	0.7	0.0	0.0	100	8.65	1.81	8.21	23.2	25	11.48	
08/04/2008	10:50	0.7	26.2	26.2	1,830	23.9	1.24	8.13	26	25		
08/11/2008	10:31	0.6	0.0	0.0	100	4.45	1.34	8.29	23.9	22.3	9.42	
08/18/2008	10:35	0.6	0.0	0.0	200	5.74	1.81	8.15	24.6	27	8.85	
08/25/2008	10:56	0.3	0.0	0.0	100	4.05	1.19	8.15	24.4	21.3	8.03	
09/02/2008	10:56	0.2	0.0	0.0	100	2.4	1.58	7.76	25.7	27.2	4.86	
09/08/2008	10:49	2.2	1.3	1.3	410	8.44	3.16	7.59	19.7	18	7.35	
09/15/2008	10:40	8.8	17.3	31.0	310	10.16	1.4	7.7	18	18		
09/22/2008	10:36	0.6	0.3	0.3	100	1.9	2.68	7.81	20.6	22	6.85	
09/29/2008	10:13	0.4	0.0	0.0	200	25.7	1.6	7.87	20.6	20	9.11	
10/06/2008	10:15	0.3	5.1	5.1	100	2.8	1.08	7.6	14.4	15.5	5.14	

MEAN	917	22	2.2	7.8	21.9	22.9	7.7	0.2				
SD	2442	57	1.0	0.2	3.0	4.2	1.6					
MEDIAN	100	10	2.0	7.8	22.5	22.3	7.6	0.2				
MAX	12740	328	4.96	8.29	26.11	31.67	11.48	0.20				
MIN	50	2	0.00	7.15	14.40	10.30	4.86	0.20				
Key	C = Specific Conductance DO = Dissolved Oxygen P = Phosphates											

East Bank of Root River across from Harbor Light Yacht Club at State St. Bridge

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	P (mg/l)
06/11/2007	11:42	2.0	0.0	0.0	50	4.5	2.07	7.96	23.9	27.8	
06/18/2007	10:44	0.8	0.0	0.0	50	5.06	1.33	7.88	26.1	29.4	
06/25/2007	10:25	1.9	0.0	0.0	200	20.4	2.00	7.83	24.4	25.6	
07/02/2007	10:34	0.8	0.0	0.0	50	18.5	0.62	7.78	22.2	22.2	
07/09/2007	10:25	0.5	0.0	0.0	100	11.75	2.42	8.18	23.9	31.7	
07/16/2007	10:37	0.4	0.0	0.0	50	6.6	2.15	8	22.2	22.2	
07/23/2007	10:40	0.3	0.0	0.0	50	4.08	1.13	7.84	25.0	28.3	
07/30/2007	10:43	0.9	0.0	0.0	50	9.26	0.97	8.01	26.1	28.9	
08/06/2007	9:53	1.5	0.0	44.7	740	12.65	4.83	7.34	22.8	23.9	
08/13/2007	10:32	0.9	0.0	4.1	410	14.15	1.18	7.89	23.3	26.7	
08/20/2007	10:23	39.9	54.6	158.8	7890	152.5	5.14	7.62	18.3	21.1	
08/27/2007	10:18	31.4	0.0	0.0	100	16.59	3.46	7.75	19.4	21.7	
09/04/2007	10:21	3.3	0.0	0.0	50	8.99	2.16	7.98	18.3	25.0	
09/11/2007	10:31	2.4	16.0	16.0	2400	14.5	2.80	7.76	17.8	18.9	
10/09/2007	14:00	0.9	0.0	0.0	50	13.68		7.75		20.6	

05/19/2008		3.1	0.0	0.0	100						
05/27/2008	11:05	3.3	31.2	31.2	30760	9.83	2.18	7.44	16	10.2	
06/02/2008	1:04	5.3	trace	0.0	100	8.84	2.7	7.66	18.2	22.1	
06/09/2008	11:01	123.5	45.7	97.8	2990	272	0	7.11	20	22.5	
06/16/2008	11:01	25.6	0.0	1.5	100	17.3	3.98	7.57	20.1	20.3	
06/23/2008	10:47	4.1	0.5	3.0	100	9.8	2.54	7.78	20.8	20	
06/30/2008	11:13	3.7	2.8	8.4	100	15.2	2.02	7.88	22	21	
07/07/2008	10:27	1.4	0.5	0.5	100	8.7	1.78	7.89	23	23	
07/14/2008	11:03	7.6	0.0	0.3	100	18.9	2	7.78	22	24	0.15
07/21/2008	10:33	1.4	0.0	3.6	520	8.6	3.01	7.86	22.5	21	
07/28/2008	10:23	0.7	0.0	0.0	100	7.11	2.35	8.23	23.2	24	
08/04/2008	10:44	0.7	26.2	26.2	740	26.3	1.28	8.11	26	25	
08/11/2008	10:23	0.6	0.0	0.0	100	5.7	0.81	8.28	23.5	22.5	
08/18/2008	10:30	0.6	0.0	0.0	100	6.63	1.48	8.02	24.8	28	
08/25/2008	10:53	0.3	0.0	0.0	100	3.12	0.96	7.96	23.2	21.7	
09/02/2008	10:49	0.2	0.0	0.0	100	2.68	1.18	7.76	26.2	26.8	
09/08/2008	10:43	2.2	1.3	1.3	300	7.34	3.17	7.59	19.1	18	
09/15/2008	10:37	8.8	17.3	31.0	200	11.67	1.38	7.7	18.1	18	
09/22/2008	10:31	0.6	0.3	0.3	100	3.6	1.88	7.85	20.6	22	
09/29/2008	10:09	0.4	0.0	0.0	400	16.9	1.52	7.81	20	20	
10/06/2008	10:13	0.3	5.1	5.1	100	5.2	1.51	7.54	15.4	16.7	

MEAN	1376.4	22.2	2.1	7.8	21.7	22.9	0.2
SD	5229.0	49.9	1.1	0.2	3.0	4.2	
MEDIAN	100.0	9.8	2.0	7.8	22.2	22.2	0.2
MAX	30,760.00	272.0	5.14	8.28	26.20	31.67	0.15
MIN	50.00	2.68	0.00	7.11	15.40	10.20	0.15

Key C = Specific Conductance
 DO = Dissolved Oxygen
 P = Phosphates

Main St. Bridge - North Bank, West Side

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	P (mg/l)
06/11/2007	11:28	2.0	0.0	0.0	200	3.72	2.18	8	23.3	26.1	
06/18/2007	10:25	0.8	0.0	0.0	200	6.85	1.45	7.8	23.9	30.0	
06/25/2007	10:02	1.9	0.0	0.0	50	17.2	2.18	7.8	23.9	25.0	
07/02/2007	10:12	0.8	0.0	0.0	100	6.06	1.64	7.91	22.2	22.8	
07/09/2007	10:03	0.5	0.0	0.0	100	4.93	3.55	8.14	21.7	31.1	
07/16/2007	10:11	0.4	0.0	0.0	100	4.8	2.24	7.93	21.7	22.8	
07/23/2007	10:23	0.3	0.0	0.0	1350	2.23	2.49	7.72	23.3	26.1	
07/30/2007	10:22	0.9	0.0	0.0	100	3.96	1.27	7.92	25.0	27.8	
08/06/2007	9:35	1.5	0.0	44.7	1090	8.2	3.72	7.39	21.1	22.2	
08/13/2007	10:15	0.9	0.0	4.1	100	7.08	1.66	7.77	23.3	26.7	
08/20/2007	10:07	39.9	54.6	158.8	5370	136.3	4.98	7.61	18.3	22.8	
08/27/2007	9:59	31.4	0.0	0.0	100	17.36	3.49	7.74	19.4	20.6	
09/04/2007	10:02	3.3	0.0	0.0	50	11.19	2.42	7.91	18.9	24.4	
09/11/2007	10:11	2.4	16.0	16.0	1320	17.7	2.13	7.75	17.2	18.3	
10/09/2007	13:24	0.9	0.0	0.0	310	20.6		7.44	16.7	20.6	

05/19/2008		3.1	0.0	0.0	100						
05/27/2008	10:45	3.3	31.2	31.2	31300	12.53	2.96	7.49	15	10	
06/02/2008	12:35	5.3	trace	0.0	100	7.89	2.64	7.62	18	22	
06/09/2008	10:36	123.5	45.7	97.8	2650	322	0	7.15	20	20.5	
06/16/2008	10:35	25.6	0.0	1.5	100	15.7	4.13	7.54	20	20	
06/23/2008	10:24	4.1	0.5	3.0	100	12.3	2.95	7.77	20.2	20.5	
06/30/2008	10:40	3.7	2.8	8.4	200	10.67	2.73	7.88	21.5	22.3	
07/07/2008	10:05	1.4	0.5	0.5	100	8	2.61	7.84	21	22	
07/14/2008	10:45	7.6	0.0	0.3	200	18.5	2.67	7.76	22.5	26.5	0.2
07/21/2008	10:15	1.4	0.0	3.6	100	7.7	3.75	7.85	20.2	19.1	
07/28/2008	9:58	0.7	0.0	0.0	100	5.65	2.87	8.12	21.9	28.2	
08/04/2008	10:20	0.7	26.2	26.2	2,090	15.6	2.32	7.98	25.1	25	
08/11/2008	10:02	0.6	0.0	0.0	100	6.46	1.34	8.17	23.1	23	
08/18/2008	10:05	0.6	0.0	0.0	200	4.65	2.1	7.88	23.6	24.8	
08/25/2008	10:33	0.3	0.0	0.0	100	2.6	2.05	7.78	23	20	
09/02/2008	10:21	0.2	0.0	0.0	100	2.44	1.44	7.65	25.1	26	
09/08/2008	10:19	2.2	1.3	1.3	100	5.94	2.23	7.59	18.9	17.6	
09/15/2008	10:15	8.8	17.3	31.0	840	15.9	1.49	7.75	18.2	18	
09/22/2008	10:11	0.6	0.3	0.3	100	2.7	2.23	7.71	20.5	21.2	
09/29/2008	9:48	0.4	0.0	0.0	100	9	1.7	7.73	19.8	19	
10/06/2008	9:52	0.3	5.1	5.1	410	5.3	2.63	7.55	15.0	16.7	

MEAN	1381.4	21.7	2.4	7.8	20.9	22.6	0.2
SD	5230.0	56.7	1.0	0.2	2.7	4.2	
MEDIAN	100.0	7.9	2.3	7.8	21.1	22.3	0.2
MAX	31,300.00	322.0	4.98	8.17	25.10	31.11	0.20
MIN	50.00	2.23	0.00	7.15	15.00	10.00	0.20
Key	C = Specific Conductance						
	DO = Dissolved Oxygen						
	P = Phosphates						

Main St. Bridge - Middle of Bridge, West Side

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	P (mg/l)
06/11/2007	11:21	2.0	0.0	0.0	100	7.7	2.07	8.02	23.3	26.1	
06/18/2007	10:29	0.8	0.0	0.0	200	8.64	1.71	7.83	24.4	30.0	
06/25/2007	10:08	1.9	0.0	0.0	50	17.7	2.15	7.76	23.9	25.0	
07/02/2007	10:18	0.8	0.0	0.0	300	8.22	1.60	7.88	21.7	22.8	
07/09/2007	10:08	0.5	0.0	0.0	50	9.13	4.02	8.12	21.1	31.1	
07/16/2007	10:16	0.4	0.0	0.0	100	6.4	2.48	7.92	21.1	22.8	
07/23/2007	10:28	0.3	0.0	0.0	50	3.21	2.63	7.7	22.8	26.1	
07/30/2007	10:24	0.9	0.0	0.0	50	5.25	1.34	7.92	25.0	27.8	
08/06/2007	9:40	1.5	0.0	44.7	1460	9.96	4.13	7.37	21.7	22.2	
08/13/2007	10:19	0.9	0.0	4.1	200	9.21	1.43	7.71	23.3	26.7	
08/20/2007	10:11	39.9	54.6	158.8	6690	118.2	5.23	7.64	18.3	22.8	
08/27/2007	10:03	31.4	0.0	0.0	300	17.31	3.60	7.76	19.4	20.6	
09/04/2007	10:03	3.3	0.0	0.0	310	12.52	2.54	7.94	18.3	24.4	
09/11/2007	10:17	2.4	16.0	16.0	2160	26.8	2.06	7.77	16.7	18.3	
10/09/2007	13:36	0.9	0.0	0.0	50	11.86		7.73	16.7	20.6	

05/19/2008		3.1	0.0	0.0	100						
05/27/2008	10:49	3.3	31.2	31.2	32550	13.16	2.94	7.51	15	10	
06/02/2008	12:40	5.3	trace	0.0	100	10.61	2.82	7.63	18	22	
06/09/2008	10:41	123.5	45.7	97.8	2280	317	0	7.13	19.8	20.5	
06/16/2008	10:40	25.6	0.0	1.5	200	17.8	4.26	7.55	19.8	20	
06/23/2008	10:28	4.1	0.5	3.0	200	13.8	2.87	7.8	20.1	20.5	
06/30/2008	10:54	3.7	2.8	8.4	520	12.78	2.63	7.87	20.8	22.3	
07/07/2008	10:09	1.4	0.5	0.5	100	9.1	2.77	7.83	21.2	22	
07/14/2008	10:49	7.6	0.0	0.3	410	19.5	2.68	7.73	21	26.5	0.2
07/21/2008	10:19	1.4	0.0	3.6	100	8	3.69	7.83	20.2	19.1	
07/28/2008	10:05	0.7	0.0	0.0	100	7.12	3.16	8.12	22	28.2	
08/04/2008	10:25	0.7	26.2	26.2	100	19.3	1.88	8.04	25	25	
08/11/2008	10:06	0.6	0.0	0.0	100	11.5	1.05	8.2	23.2	23	
08/18/2008	10:10	0.6	0.0	0.0	200	6.23	1.94	7.91	24	24.8	
08/25/2008	10:37	0.3	0.0	0.0	100	3.37	2.48	7.78	22.2	20	
09/02/2008	10:26	0.2	0.0	0.0	100	2.05	1.31	7.64	25	26	
09/08/2008	10:24	2.2	1.3	1.3	100	6.68	2.49	7.61	18.8	17.6	
09/15/2008	10:20	8.8	17.3	31.0	410	16.9	1.44	7.73	18	18	
09/22/2008	10:17	0.6	0.3	0.3	100	6.2	2.42	7.62	20.5	21.2	
09/29/2008	9:50	0.4	0.0	0.0	100	13.5	1.8	7.71	19.6	19	
10/06/2008	9:57	0.3	5.1	5.1	100	6.1	2.98	7.55	14.5	16.7	

MEAN	1392.8	22.7	2.5	7.8	20.8	22.6	0.2
SD	5471.1	54.6	1.0	0.2	2.8	4.2	
MEDIAN	100.0	10.0	2.5	7.8	21.0	22.3	0.2
MAX	32,550.00	317.0	5.23	8.20	25.00	31.11	0.20
MIN	50.00	2.05	0.00	7.13	14.50	10.00	0.20
Key	C = Specific Conductance						
	DO = Dissolved Oxygen						
	P = Phosphates						

Main St. Bridge - South Bank, West Side

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmhos/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	P (mg/l)
06/11/2007	11:16	2.0	0.0	0.0	50	4.98	2.38	7.98	23.9	26.1	
06/18/2007	10:35	0.8	0.0	0.0	100	11.65	1.39	8.72	25.0	30.0	
06/25/2007	10:14	1.9	0.0	0.0	100	16.46	2.13	7.81	24.4	25.0	
07/02/2007	10:25	0.8	0.0	0.0	100	8.75	2.09	7.88	22.2	22.8	
07/09/2007	10:11	0.5	0.0	0.0	50	5.03	4.83	8.11	20.6	31.1	
07/16/2007	10:20	0.4	0.0	0.0	50	7.1	3.57	7.84	20.6	22.8	
07/23/2007	10:32	0.3	0.0	0.0	100	2.86	3.08	7.68	22.8	26.1	
07/30/2007	10:31	0.9	0.0	0.0	100	5.12	1.48	7.9	25.0	27.8	
08/06/2007	9:43	1.5	0.0	44.7	1090	7.96	3.62	7.34	21.1	22.2	
08/13/2007	10:22	0.9	0.0	4.1	410	8.68	1.88	7.7	23.9	26.7	
08/20/2007	10:14	39.9	54.6	158.8	4710	101.6	5.08	7.64	18.3	22.8	
08/27/2007	10:07	31.4	0.0	0.0	100	16.77	3.54	7.73	19.4	20.6	
09/04/2007	10:12	3.3	0.0	0.0	50	14.22	2.74	7.94	18.9	24.4	
09/11/2007	10:23	2.4	16.0	16.0	1480	22.2	2.34	7.74	17.2	18.3	
10/09/2007	13:38	0.9	0.0	0.0	50	9.72		7.68	16.7	20.6	

05/19/2008		3.1	0.0	0.0	100						
05/27/2008	10:52	3.3	31.2	31.2	23820	13.53	2.86	7.48	14.8	10	
06/02/2008	12:44	5.3	trace	0.0	100	10.62	2.92	7.63	18.3	22	
06/09/2008	10:45	123.5	45.7	97.8	2950	265	0	7.15	19.8	20.5	
06/16/2008	10:45	25.6	0.0	1.5	100	19.4	4.27	7.52	20	20	
06/23/2008	10:31	4.1	0.5	3.0	100	13.6	2.97	7.79	20.3	20.5	
06/30/2008	10:57	3.7	2.8	8.4	300	12.29	2.94	7.89	20.7	22.3	
07/07/2008	10:13	1.4	0.5	0.5	100	18.9	3.28	7.77	20.5	22	
07/14/2008	10:53	7.6	0.0	0.3	100	20.6	2.63	7.76	22	26.5	0.2
07/21/2008	10:22	1.4	0.0	3.6	630	9.5	3.99	7.81	20.6	19.1	
07/28/2008	10:08	0.7	0.0	0.0	100	5.16	3.36	8.08	22	28.2	
08/04/2008	10:29	0.7	26.2	26.2	520	19.6	1.58	8.02	24.8	25	
08/11/2008	10:09	0.6	0.0	0.0	100	11.78	1.16	8.13	22.3	22	
08/18/2008	10:14	0.6	0.0	0.0	100	5.82	2.05	7.85	23	24.8	
08/25/2008	10:39	0.3	0.0	0.0	100	3.62	2.56	7.78	22.7	20	
09/02/2008	10:30	0.2	0.0	0.0	100	2.98	1.35	7.64	24.9	26	
09/08/2008	10:27	2.2	1.3	1.3	100	6.37	2.34	7.58	18.2	17.6	
09/15/2008	10:25	8.8	17.3	31.0	620	14	1.43	7.72	18	18	
09/22/2008	10:20	0.6	0.3	0.3	100	3.9	2.47	7.6	20.2	21.2	
09/29/2008	9:53	0.4	0.0	0.0	100	10.7	1.76	7.68	19.6	20	
10/06/2008	10:00	0.3	5.1	5.1	100	6.6	3.55	7.59	14.5	16.7	

MEAN	1080.0	20.5	2.6	7.8	20.8	22.6	0.2			
SD	4004.3	45.6	1.1	0.3	2.8	4.1				
MEDIAN	100.0	10.6	2.6	7.8	20.6	22.2	0.2			

MAX	23,820.00	265.0	5.08	8.72	25.00	31.11	0.20			
MIN	50.00	2.86	0.00	7.15	14.50	10.00	0.20			

Key C = Specific Conductance
 DO = Dissolved Oxygen
 P = Phosphates

Chartroom - From on North Bank

Date	Time	USGS Instant (m3/s)	PPT-24 (mm)	PPT-48 (mm)	E. Coli (MPN/100 mL)	T (NTU)	C (µmho/s/cm)	pH	H2O Temp. (°C)	Air Temp. (°C)	DO (mg/l)	P (mg/l)
05/31/2007	12:00		0	0	31				18.9	21.7		
06/05/2007	13:03	280	24.64	36.83	1722				16.7	10.6		
06/12/2007	12:49		0	0	20				20.6	19.4		
06/19/2007	12:44		62.23	62.23	3968				26.7	22.8		
06/26/2007	12:38		0	0	74				27.8	25.6		
07/03/2007	13:01		0	0	52				24.4	23.3		
07/10/2007	12:38		1.524	1.524	84				24.4	31.1		
07/24/2007	13:17		0	0	20				20.6	23.9		
07/31/2007	12:48		0	0	30				24.4	27.8		
08/07/2007	12:41		17.02	17.02	546				23.9	26.1		
08/14/2007	12:29		5.842	5.842	448				22.8	25.0		
08/21/2007	12:44		0.508	55.12	1850				16.1	20.0		
08/28/2007	12:44		0	0	2187				16.7	26.7		

06/02/2008	12:51	5.3	trace	0.0	100	10.57	2.73	7.62	18.8	21.4	6.89	
06/09/2008	10:53	123.5	45.7	97.8	3270	289	0	7.14	20.1	22	7.3	
06/16/2008	10:53	25.6	0.0	1.5	200	18.7	4.19	7.55	20.4	20.7	7.65	
06/23/2008	10:37	4.1	0.5	3.0	100	13.6	3.11	7.82	21.8	21	7.5	
06/30/2008	11:03	3.7	2.8	8.4	200	12.65	3.05	7.9	21.7	22.5	7.93	
07/07/2008	10:19	1.4	0.5	0.5	100	8.5	3.17	7.79	20.7	26	7.42	
07/14/2008	11:00	7.6	0.0	0.3	100	16.2	2.68	7.74	21.9	24.2	7.2	0.18
07/21/2008	10:27	1.4	0.0	3.6	100	6.6	4.25	7.81	19.9	20	7.9	
07/28/2008	10:15	0.7	0.0	0.0	100	4.7	3.41	8.12	21.6	25.1	11.2	
08/04/2008	10:36	0.7	26.2	26.2	1,220	16.9	2.36	8	24.8	25		
08/11/2008	10:17	0.6	0.0	0.0	100	7.33	1.82	8.13	23.9	22.5	7.95	
08/18/2008	10:20	0.6	0.0	0.0	100	5.45	2.72	7.84	23.7	28.2	6.05	
08/25/2008	10:45	0.3	0.0	0.0	100	3.49	2.63	7.79	23.1	21	6.5	
09/02/2008	10:37	0.2	0.0	0.0	100	2.72	2.12	7.64	24.9	25.8	5.33	
09/08/2008	10:27	2.2	1.3	1.3	100	6.37	2.34	7.58	18.2	17.6		
09/15/2008	10:25	8.8	17.3	31.0	620	14	1.43	7.72	18	18		
09/22/2008	10:20	0.6	0.3	0.3	100	3.6	2.9	7.61	20.4	21.2		
09/29/2008	10:00	0.4	0.0	0.0	100	12.1	2.13	7.65	19.9	20	6.91	
10/06/2008	10:06	0.3	5.1	5.1		5	3.99	7.6	15.2	16.7	7.32	

MEAN	576	24	2.7	7.7	21.3	22.6	7.4	0.2
SD	999	64	1.0	0.2	3.1	3.9	1.3	
MEDIAN	100	9	2.7	7.7	21.2	22.5	7.3	0.2
MAX	3968	289	4.25	8.13	27.78	31.11	11.20	0.18
MIN	20	3	0.00	7.14	15.20	10.56	5.33	0.18

Key C = Specific Conductance
DO = Dissolved Oxygen
P = Phosphates