

Appendix D: Tabulated Water Quality Monitoring Data

Upper Salem River Watershed Restoration & Protection Plan
DATA REPORT

Upper Salem River Watershed Restoration & Protection Plan DATA REPORT

		Flow Rate	pH	Dissolved Oxygen	Temperature	Fecal Coliform	E. coli	Total Kjeldahl Nitrogen	Ammonia Nitrogen as N	Nitrite-N	Nitrate-N	TN	Ortho Phosphate Dissolved	Total Phosphorus	TSS
Date	Station ID	cfs	S.U.	mg/L	deg C	col/100 ml	col/100 ml	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
6/8/2007	S1	0.71	6.34	5.33	27.50	ND		ND	0.13	0.01	4.79	5.43	ND	0.04	5.00
6/15/2007	S1	1.02	6.20	7.43	18.00	10		ND	ND	0.01	4.76	5.32	ND	0.04	6.00
6/20/2007	S1	0.64	5.99	6.68	20.30	60									
6/27/2007	S1	0.67	5.97	5.93	24.80	200									
6/28/2007	S1	0.81	6.20	5.66	24.30	280									
7/2/2007	S1	0.44	6.18	6.50	24.90	1,200		1.00	0.18	0.10	5.58	6.86	ND	0.03	6.30
7/6/2007	S1	0.80	6.37	6.19	23.10	310	60								
7/11/2007	S1	0.68	5.56	7.09	25.00	30	30								
7/18/2007	S1	0.59	6.28	5.78	28.10	120	10	ND	ND	0.10	2.74	3.39	0.02	0.02	6.00
7/25/2007	S1	0.73	6.04	6.40	21.60	800	50								
7/26/2007	S1	0.59	7.27	7.04	22.60	200	200								
8/1/2007	S1	0.31	6.76	5.84	20.40	400	300	ND	ND	0.10	5.23	5.88	0.05	0.02	4.30
8/10/2007	S1	0.65	6.07	6.38	23.20	200	200								
8/16/2007	S1	0.53	6.47	6.60	23.90	100	400	ND	ND	0.10	5.54	6.19	0.01	0.03	5.70
8/22/2007	S1	0.59	5.99	7.53	18.30	300	100								
8/29/2007	S1	0.18	7.03	6.74	21.70	600	ND								
9/13/2007	S1	0.27	5.83	7.55	19.40	200	ND	ND	ND	0.10	5.20	5.85	0.01	0.02	4.70
9/26/2007	S1	0.34	6.47	6.07	23.50	ND	ND	ND	ND	ND	4.82	5.38	0.01	ND	3.00
10/10/2007	S1	0.41	6.07	6.69	21.00	2,700	3,500	ND	0.80	ND	4.11	5.42	ND	0.03	4.70
10/10/2007	S1	0.36	5.93	6.78	20.20	1,300	900	ND	ND	ND	4.18	4.74	ND	0.02	3.30
10/11/2007	S1	0.29	6.23	8.31	14.80	900	2,400	ND	ND	0.10	4.41	5.06	ND	0.03	2.00
10/24/2007	S1	0.32	6.13	6.32	18.00	2,400	1,300	ND	ND	0.10	4.47	5.12	0.01	0.04	11.50
10/24/2007	S1	0.57	6.00	6.47	17.40	1,500	1,200	ND	ND	0.10	4.54	5.19	0.01	0.05	12.50
10/24/2007	S1	0.40	6.17	6.59	19.50	2,700	500	ND	ND	0.10	4.16	4.81	0.01	0.03	5.00
11/7/2007	S1	0.27	6.30	8.70	10.70	100	ND	1.26	ND	0.10	4.83	6.24	ND	0.02	ND
12/12/2007	S1	0.28	6.03	7.99	11.20	ND	ND	ND	ND	0.10	4.43	5.08	ND	0.02	ND
12/20/2007	S1	0.41	6.22	9.60	6.70	10	ND	ND	ND	0.10	4.90	5.55	0.01	0.02	3.00
1/9/2008	S1	0.58	6.20	8.35	13.60	ND	ND	ND	ND	ND	4.40	4.96	ND	0.03	6.00
1/25/2008	S1	0.43	6.17	11.89	2.40	ND	ND	ND	ND	ND	5.59	6.15	ND	0.03	2.70
2/8/2008	S1	0.64	6.24	11.20	8.40	ND	ND	ND	0.10	ND	4.16	4.77	ND	0.02	3.30
2/27/2008	S1	0.57	5.75	10.60	6.50	ND	ND	0.70	ND	ND	5.28	6.04	ND	0.02	2.00
3/6/2008	S1	0.53	5.97	9.36	11.10	ND	ND	0.30	ND	ND	4.94	5.30	ND	0.16	3.00
3/13/2008	S1	0.77	5.92	8.68	10.30	ND	ND	ND	ND	0.10	5.16	5.81	ND	0.03	3.50
4/11/2008	S1	0.52	6.22	9.80	18.20	ND	100	ND	ND	ND	4.10	4.66	ND	0.03	8.40
4/24/2008	S1	0.52	6.34	7.80	22.10	200	ND	ND	ND	0.10	4.61	5.26	0.01	0.02	4.00
5/7/2008	S1	0.54	6.26	6.49	27.20	ND	ND	ND	ND	0.10	4.53	5.18	ND	0.03	9.50
5/28/2008	S1	0.70	6.09	7.86	16.80	100	200	ND	ND	ND	4.56	5.12	ND	0.04	4.70
6/12/2008	S1	0.67	7.15	5.98	25.00	ND	ND	ND	0.10	ND	4.62	5.23	ND	0.04	8.00
6/27/2008	S1	0.54	6.44	5.40	28.10	ND	ND	ND	ND	0.03	4.76	5.34	0.04	0.09	6.40
7/11/2008	S1	0.57	6.00	6.36	23.40	300	100	ND	0.10	ND	5.09	5.70	0.06	0.03	6.00
7/30/2008	S1	0.47	5.83	6.74	22.30	100	ND	ND	0.10	0.10	4.90	5.60	ND	0.03	5.50
8/13/2008	S1	0.41	6.50	5.95	23.20	100	ND	ND	ND	0.10	4.81	5.46	ND	0.02	5.00
8/28/2008	S1	0.37	6.70	6.89	19.80	ND	ND	ND	ND	0.10	5.08	5.73	ND	0.02	2.80
9/11/2008	S1	0.48	6.36	7.17	20.40	100	100	ND	0.10	0.05	4.70	5.35	ND	0.01	8.00
9/26/2008	S1	0.65	7.32	6.34	15.90	ND	ND	1.01	ND	ND	4.84	5.91	ND	0.06	4.00
10/9/2008	S1	0.59	6.17	7.34	19.30	100	200	1.08	ND	0.10	4.92	6.15	ND	0.02	2.00
10/31/2008	S1	0.65	5.80	7.55	11.40	ND	ND	ND	ND	ND	4.71	5.27	ND	0.01	2.40
11/19/2008	S1	0.35	6.45	9.63	6.20	ND	ND	ND	ND	0.10	4.47	5.12	ND	0.01	2.00
11/25/2008	S1	0.59	6.18	7.76	7.90	100	ND	ND	ND	ND	3.28	3.84	0.01	0.03	ND
12/5/2008	S1	0.45	6.25	9.24	6.50	100	ND	ND	ND	ND	4.71	5.27	0.05	0.01	ND
12/17/2008	S1	1.43	5.94	9.10	6.70	100	700	ND	ND	ND	2.63	3.19	ND	0.07	20.00
1/22/2009	S1	0.97	6.23	9.87	6.90	ND	ND	ND	ND	0.10	5.47	6.12	ND	0.01	ND
1/30/2009	S1	0.81	6.00	10.93	3.90	ND	ND	ND	ND	ND	4.70	5.26	0.39	0.02	ND
2/19/2009	S1	0.87	5.78	9.57	7.80	ND	ND	ND	ND	ND	4.89	5.45	ND	0.01	2.00
2/26/2009	S1	0.68	5.45	10.19	7.60	ND	ND	ND	ND	ND	5.20	5.76	0.01	0.02	3.60
3/13/2009	S1	0.60	6.17	10.73	8.20	ND	ND	ND	0.10	ND	5.12	5.73	0.19	0.02	ND
3/24/2009	S1	0.40	6.07	10.92	7.90	ND	ND	ND	ND	0.10	5.29	5.94	ND	0.02	2.40
4/8/2009	S1	0.68	6.43	10.35	9.10	ND	ND	1.77	ND	ND	4.88	6.71	ND	0.03	3.00
4/23/2009	S1	0.67	6.14	9.26	14.50	100	ND	ND	ND	0.10	4.55	5.20	ND	0.02	2.80
5/7/2009	S1	1.94	6.23	7.77	17.20	1,200	1,400	ND	ND	ND	2.85	3.41	ND	0.13	12.50
5/20/2009	S1	0.61	6.51	7.19	21.30	100	ND	ND	ND	0.10	4.72	5.37	ND	0.02	3.60
6/3/2009	S1	0.54	6.19	6.96	21.00	ND	1,000	ND	ND	0.10	4.10	4.75	ND	0.03	4.80
6/16/2009	S1	0.63	6.23	7.39	18.50	500	200	1.42	ND	0.10	4.41	5.98	0.01	0.03	5.00
6/17/2009	S1	0.58	6.68	7.75	18.50	700	700	ND	0.10	ND	4.51	5.12	ND	0.03	8.50
n*		64.00	64.00	64.00	64.00	64	58	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00
min*		0.18	5.45	5.33	2.40	5	5	0.30	0.05	0.01	2.63	3.19	0.01	0.01	1.00
mean*		0.59	6.23	7.76	16.96	123	101	0.58	0.07	0.05	4.63	5.35	0.03	0.03	4.77
max*		1.94	7.32	11.89	28.10	2,700	3,500	1.77	0.80	0.10	5.59	6.86	0.39	0.16	20.00
std. dev.*		0.26	0.35	1.66	6.98	607	614	0.26	0.10	0.04	0.63	0.72	0.06	0.03	3.54

"ND = not detected" indicates the concentration of the analytical tested was below the laboratory reporting limits

* = for the calculation of summary statistics of ND, half of the detection limit is applied

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		Flow Rate	pH	Dissolved Oxygen	Temperature	Fecal Coliform	E. coli	Total Kjeldahl Nitrogen	Ammonia Nitrogen as N	Nitrite-N	Nitrate-N	TN	Ortho Phosphate Dissolved	Total Phosphorus	TSS
Date	Station ID	cfs	S.U.	mg/L	deg C	col/100 ml	col/100 ml	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
6/8/2007	S2	2.33	7.26	6.20	29.10	ND		0.16	1.50	0.02	1.05	2.73	ND	0.10	12.70
6/15/2007	S2	2.29	7.30	7.62	21.10	160		1.10	0.25	0.03	0.63	2.01	ND	0.11	18.70
6/20/2007	S2	2.57	9.05	8.49	24.10	2,400									
6/27/2007	S2	2.39	8.66	6.71	30.40	110									
6/28/2007	S2	3.01	8.55	6.82	30.40	170									
7/2/2007	S2	1.94	7.86	7.70	24.60	1,500		1.26	1.10	0.10	ND	2.71	ND	0.10	15.30
7/6/2007	S2	6.34	8.79	8.09	26.30	70	30								
7/11/2007	S2	1.51	8.03	6.30	32.50	130	600								
7/18/2007	S2	1.19	8.38	5.35	28.90	600	420	2.63	0.14	0.10	ND	3.12	0.01	0.14	18.50
7/25/2007	S2	1.13	7.96	4.47	29.50	ND	ND								
7/26/2007	S2	1.73	7.26	4.93	27.90	200	ND								
8/1/2007	S2	1.58	8.38	4.62	28.70	1,100	1,200	1.79	0.18	0.10	ND	2.32	0.01	0.03	16.00
8/10/2007	S2	2.55	8.53	5.06	28.00	100	100								
8/16/2007	S2	1.38	8.43	4.33	25.50	100	600	3.65	0.24	0.10	ND	4.24	0.01	0.19	21.50
8/22/2007	S2	2.91	6.95	6.27	19.60	ND	ND								
8/29/2007	S2	1.56	8.70	4.53	26.50	100	ND								
9/13/2007	S2	1.33	7.47	3.77	26.00	200	200	ND	0.55	0.10	0.50	1.65	ND	0.07	6.00
9/26/2007	S2	1.48	7.24	4.94	27.30	ND	200	1.32	0.20	0.05	ND	1.82	0.01	0.08	8.00
10/10/2007	S2	4.71	7.19	6.77	23.10	400	300	1.25	0.14	0.02	ND	1.66	ND	0.10	10.30
10/10/2007	S2	4.30	7.24	6.68	23.50	300	600	1.20	0.15	ND	ND	1.61	ND	0.09	11.00
10/11/2007	S2	3.21	7.07	7.40	17.30	300	100	1.21	0.22	0.10	ND	1.78	ND	0.09	10.70
10/24/2007	S2	1.34	6.87	5.82	18.80	200	ND	1.23	0.40	0.10	0.56	2.29	0.01	0.05	4.50
10/24/2007	S2	1.65	7.11	6.14	18.20	ND	ND	1.12	0.40	0.10	0.57	2.19	0.01	0.06	7.50
10/24/2007	S2	2.21	7.08	6.33	21.40	ND	ND	1.36	0.36	0.10	0.55	2.37	0.01	0.06	8.00
11/7/2007	S2	2.01	7.20	9.15	10.20	ND	ND	1.15	ND	0.10	1.24	2.54	ND	0.04	6.00
12/12/2007	S2	1.83	7.00	10.21	9.00	ND	ND	1.34	0.34	0.10	2.24	4.02	ND	0.04	3.50
12/20/2007	S2	1.99	6.93	11.72	6.00	20	ND	ND	0.25	0.10	2.59	3.44	0.01	0.04	6.00
1/9/2008	S2	1.89	6.94	9.91	11.50	ND	ND	ND	0.33	0.04	2.95	3.82	ND	0.07	7.30
1/25/2008	S2	1.60	6.98	14.06	2.50	ND	ND	1.54	0.23	ND	3.63	5.41	ND	0.12	32.00
2/8/2008	S2	2.24	6.69	12.83	7.90	ND	ND	1.43	0.23	0.03	2.98	4.67	ND	0.05	7.30
2/27/2008	S2	1.86	6.84	12.71	4.70	ND	ND	1.70	ND	0.03	3.74	5.52	ND	0.10	16.00
3/6/2008	S2	2.45	6.87	10.69	11.90	ND	ND	1.04	0.13	0.03	3.62	4.82	ND	0.04	4.00
3/13/2008	S2	3.34	7.32	11.03	10.70	ND	ND	1.03	0.24	0.10	2.98	4.35	ND	0.07	12.00
4/11/2008	S2	2.55	6.94	8.96	19.80	ND	ND	ND	0.05	0.03	2.35	2.93	ND	0.04	7.20
4/24/2008	S2	1.86	7.22	8.29	23.10	ND	ND	ND	0.05	0.10	1.53	2.18	0.01	0.06	4.80
5/7/2008	S2	2.09	7.31	8.17	24.50	200	ND	ND	0.05	0.10	1.17	1.82	ND	0.06	7.00
5/28/2008	S2	5.25	7.79	9.25	19.50	300	100	1.03	0.13	0.04	1.15	2.35	ND	0.05	5.30
6/12/2008	S2	1.60	8.99	7.59	29.90	ND	ND	3.14	0.05	0.04	ND	3.48	ND	0.16	30.00
6/27/2008	S2	1.37	8.13	5.85	32.00	ND	ND	1.44	0.11	0.10	ND	1.90	0.13	0.16	16.00
7/11/2008	S2	1.36	7.42	5.81	29.90	ND	300	1.48	ND	ND	ND	1.79	0.15	0.09	15.00
7/30/2008	S2	1.15	7.67	5.44	29.90	3,000	600	1.67	0.11	0.10	ND	2.13	ND	0.17	19.00
8/13/2008	S2	1.10	7.79	5.94	28.00	1,000	400	2.25	0.12	0.10	ND	2.72	ND	0.15	21.00
8/28/2008	S2	1.16	7.20	5.96	23.30	300	400	1.42	0.19	0.10	ND	1.96	ND	0.11	14.80
9/11/2008	S2	1.28	7.29	6.06	24.30	ND	ND	1.14	0.32	0.10	ND	1.81	ND	0.07	32.00
9/26/2008	S2	1.51	7.38	6.27	18.50	ND	100	1.78	ND	0.08	ND	2.16	0.06	0.18	28.00
10/9/2008	S2	1.58	7.33	7.14	22.30	ND	200	1.40	ND	0.10	ND	1.80	ND	0.08	12.50
10/31/2008	S2	1.41	6.94	7.95	13.20	ND	ND	ND	0.03	0.03	0.87	1.45	ND	0.05	4.80
11/19/2008	S2	1.24	7.71	13.47	4.90	200	ND	ND	0.43	0.10	1.37	2.40	ND	0.04	4.40
11/25/2008	S2	4.26	7.27	10.88	5.70	ND	ND	0.50	0.44	0.05	1.43	2.42	0.02	0.05	3.20
12/5/2008	S2	1.60	7.51	11.33	6.10	400	ND	ND	0.32	0.05	1.87	2.74	ND	0.05	3.50
12/17/2008	S2	6.94	7.02	11.42	6.00	100	ND	ND	0.04	0.04	2.13	2.72	ND	0.07	12.00
1/22/2009	S2	2.08	6.75	11.00	4.70	ND	ND	1.27	0.25	0.10	3.13	4.75	ND	0.06	10.40
1/30/2009	S2	2.35	6.35	10.55	3.50	400	100	3.00	0.48	0.04	3.43	6.95	0.07	0.14	6.00
2/19/2009	S2	2.41	7.59	12.42	5.70	ND	100	1.26	0.40	0.06	2.97	4.69	ND	0.09	27.50
2/26/2009	S2	1.76	6.22	13.01	7.60	ND	100	2.00	0.45	ND	2.81	5.27	0.01	0.09	7.60
3/13/2009	S2	1.25	7.04	11.92	9.00	ND	200	1.71	0.37	0.05	2.50	4.63	ND	0.09	7.60
3/24/2009	S2	1.87	7.37	12.63	7.80	ND	ND	1.23	0.39	0.10	2.54	4.26	ND	0.08	8.80
4/8/2009	S2	1.66	7.45	11.42	9.60	300	100	ND	0.11	0.04	2.08	2.73	ND	0.06	12.00
4/23/2009	S2	2.08	6.97	8.66	17.60	ND	100	ND	0.14	0.10	1.76	2.50	ND	0.04	7.20
5/7/2009	S2	8.89	6.98	8.77	18.90	300	600	ND	0.10	0.03	1.20	1.83	ND	0.07	7.00
5/20/2009	S2	1.68	7.93	8.01	24.20	200	ND	1.06	0.10	0.05	1.02	2.23	ND	0.05	5.60
6/3/2009	S2	2.00	7.08	8.19	24.30	500	500	ND	0.14	0.10	0.81	1.55	ND	0.05	6.80
6/16/2009	S2	1.45	7.72	8.25	21.70	ND	ND	1.30	0.10	0.10	0.72	2.22	0.01	0.06	12.50
6/17/2009	S2	1.55	7.48	8.33	20.90	ND	200	1.22	0.11	ND	0.58	1.92	ND	0.05	14.70
n*		64.00	64.00	64.00	64.00	64	58	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00
min*		1.10	6.22	3.77	2.50	5	5	0.16	0.05	0.01	0.25	1.45	0.01	0.03	3.20
mean*		2.28	7.47	8.23	19.05	112	96	1.24	0.25	0.07	1.36	2.91	0.03	0.08	11.80
max*		8.89	9.05	14.06	32.50	3,000	1,200	3.65	1.50	0.10	3.74	6.95	0.15	0.19	32.00
std. dev.*		1.44	0.63	2.68	8.99	517	223	0.72	0.25	0.04	1.14	1.27	0.02	0.04	7.55

"ND = not detected" indicates the concentration of the analytical tested was below the laboratory reporting limits

* = for the calculation of summary statistics of ND, half of the detection limit is applied

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		Flow Rate	pH	Dissolved Oxygen	Temperature	Fecal Coliform	E. coli	Total Kjeldahl Nitrogen	Ammonia Nitrogen as N	Nitrite-N	Nitrate-N	TN	Ortho Phosphate Dissolved	Total Phosphorus	TSS
Date	Station ID	cfs	S.U.	mg/L	deg C	col/100 ml	col/100 ml	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
6/8/2007	S3	3.84	6.87	5.87	24.60	ND		1.17	0.10	0.03	1.87	3.17	ND	0.09	10.30
6/15/2007	S3	3.86	7.14	7.67	19.50	120		0.50	ND	0.03	1.68	2.26	ND	0.11	16.30
6/20/2007	S3	4.36	8.35	7.30	23.30	430									
6/27/2007	S3	3.16	8.50	6.25	27.30	200									
6/28/2007	S3	3.70	8.63	6.80	26.70	330									
7/2/2007	S3	2.30	7.18	7.29	20.80	270		1.27	0.18	0.10	1.08	2.63	ND	0.11	16.00
7/6/2007	S3	9.34	7.57	8.10	23.60	380	110								
7/11/2007	S3	2.32	7.73	4.25	29.40	120	20								
7/18/2007	S3	1.45	7.87	4.62	26.30	350	290	1.86	0.13	0.10	ND	2.34	0.02	0.15	10.30
7/25/2007	S3	1.32	7.42	4.25	24.80	100	1,000								
7/26/2007	S3	2.05	7.43	5.12	25.20	800	1,200								
8/1/2007	S3	1.03	6.97	4.43	26.30	1,200	400	1.42	0.54	0.10	ND	2.31	0.10	0.21	10.70
8/10/2007	S3	3.97	7.20	3.65	27.10	300	ND								
8/16/2007	S3	1.87	7.07	3.15	26.20	100	2,000	1.93	0.49	0.10	ND	2.77	0.05	0.12	ND
8/22/2007	S3	4.97	7.06	6.49	18.50	100	100								
8/29/2007	S3	4.16	6.99	3.26	23.50	200	300								
9/13/2007	S3	1.01	7.34	8.94	20.70	600	100	ND	0.33	0.10	2.33	3.26	ND	0.10	3.30
9/26/2007	S3	1.25	7.17	5.03	25.30	300	400	1.38	0.18	0.03	0.75	2.34	0.05	0.08	12.00
10/10/2007	S3	8.14	6.90	5.93	22.50	14,000	13,000	1.64	0.43	ND	0.58	2.66	ND	0.15	21.70
10/10/2007	S3	6.30	6.92	5.83	22.60	19,000	9,000	1.19	0.27	ND	0.57	2.04	ND	0.12	27.30
10/11/2007	S3	6.04	7.18	7.40	17.80	1,900	900	1.01	0.30	0.10	0.90	2.31	ND	0.12	15.30
10/24/2007	S3	2.29	6.47	6.69	19.60	3,700	2,100	1.23	0.95	0.10	1.38	3.66	0.02	0.10	12.00
10/24/2007	S3	2.71	6.72	6.64	19.60	5,300	3,600	1.78	0.51	0.10	1.33	3.72	0.01	0.08	12.00
10/24/2007	S3	2.58	6.86	6.76	20.00	3,400	1,600	1.42	0.51	0.10	1.38	3.41	0.01	0.08	3.50
11/7/2007	S3	2.24	7.27	10.27	8.90	200	200	0.50	0.26	0.10	1.99	2.85	ND	0.05	3.00
12/12/2007	S3	3.14	6.93	10.42	10.40	ND	ND	1.06	0.12	0.10	2.89	4.17	ND	0.06	5.00
12/20/2007	S3	3.29	6.97	12.78	4.30	70	180	ND	0.13	0.10	2.71	3.44	ND	0.06	7.30
1/9/2008	S3	4.37	7.55	10.30	11.30	ND	ND	ND	0.11	0.02	3.92	4.55	ND	0.06	8.00
1/25/2008	S3	3.65	7.10	13.87	0.30	ND	ND	ND	ND	0.01	3.88	4.44	ND	0.05	3.30
2/8/2008	S3	4.21	6.72	13.42	6.80	ND	ND	ND	ND	ND	1.63	2.19	ND	0.06	6.70
2/27/2008	S3	5.70	7.02	13.01	4.60	ND	100	1.30	ND	ND	4.06	5.42	ND	0.03	8.50
3/6/2008	S3	5.84	6.81	11.94	9.80	100	ND	0.90	ND	ND	4.10	5.06	ND	0.06	7.00
3/13/2008	S3	5.70	6.91	10.69	9.90	ND	ND	1.01	ND	0.10	2.94	4.10	ND	0.06	8.70
4/11/2008	S3	4.49	7.04	9.62	19.50	ND	200	ND	ND	ND	2.57	3.13	ND	0.04	11.20
4/24/2008	S3	4.03	6.92	7.94	21.30	100	200	1.00	0.22	0.10	2.25	3.57	ND	0.06	7.20
5/7/2008	S3	3.23	6.94	8.39	19.90	300	200	ND	0.18	0.10	2.17	2.95	ND	0.06	8.50
5/28/2008	S3	9.61	7.10	8.85	18.30	1,200	600	1.66	ND	0.03	1.88	3.62	ND	0.16	20.00
6/12/2008	S3	2.65	7.14	5.39	26.50	800	300	1.51	0.16	0.04	1.11	2.82	ND	0.08	10.00
6/27/2008	S3	2.27	7.10	3.58	26.90	100	18,000	1.27	0.43	ND	0.60	2.31	ND	0.10	6.80
7/11/2008	S3	2.52	7.16	3.99	27.20	100	700	1.65	0.25	0.09	ND	2.24	ND	0.11	6.50
7/30/2008	S3	1.76	7.25	5.10	26.70	5,000	7,000	1.17	0.13	0.10	ND	1.65	ND	0.11	9.00
8/13/2008	S3	1.81	7.22	6.17	23.30	3,000	9,000	1.71	0.11	0.10	ND	2.17	ND	0.11	12.00
8/28/2008	S3	0.85	7.10	5.51	22.20	ND	ND	3.13	0.15	0.10	ND	3.63	ND	0.16	17.20
9/11/2008	S3	3.12	7.17	6.80	21.80	300	100	1.55	0.15	0.10	ND	1.83	ND	0.10	10.00
9/26/2008	S3	1.52	7.07	7.20	18.30	400	400	1.29	0.45	0.04	0.92	2.70	ND	0.10	16.00
10/9/2008	S3	2.41	7.00	6.55	21.70	200	100	1.69	0.10	0.10	1.18	3.07	ND	0.09	12.50
10/31/2008	S3	2.01	7.10	10.13	9.30	ND	ND	1.07	ND	0.03	1.54	2.69	ND	0.07	8.40
11/19/2008	S3	2.95	7.57	12.31	3.20	200	700	ND	0.25	0.10	1.72	2.57	ND	0.06	3.60
11/25/2008	S3	10.28	7.39	11.07	5.40	700	1,800	ND	0.25	0.03	2.04	2.82	0.02	0.05	6.80
12/5/2008	S3	2.50	7.41	12.36	4.00	ND	ND	ND	0.18	0.03	2.49	3.20	ND	0.06	6.50
12/17/2008	S3	19.06	6.72	11.77	5.10	1,800	2,700	ND	ND	0.03	2.22	2.80	0.06	0.15	18.00
1/22/2009	S3	3.46	6.65	13.42	2.70	ND	100	ND	0.15	0.10	4.25	5.00	ND	0.05	7.60
1/30/2009	S3	5.86	6.43	13.21	1.50	300	300	1.79	0.15	ND	4.10	6.05	0.06	0.05	2.00
2/19/2009	S3	5.96	6.94	12.41	5.10	ND	ND	ND	0.11	0.03	3.69	4.33	ND	0.04	8.00
2/26/2009	S3	3.79	6.37	12.97	8.30	300	300	ND	ND	0.03	3.82	4.40	ND	0.03	3.60
3/13/2009	S3	3.43	7.20	13.48	6.30	ND	ND	1.05	ND	0.03	2.50	3.63	ND	0.06	11.20
3/24/2009	S3	2.65	7.35	12.60	6.70	100	200	1.26	ND	0.10	3.44	4.85	ND	0.07	14.00
4/8/2009	S3	4.56	7.16	11.32	10.20	ND	100	ND	ND	ND	2.37	2.93	ND	0.08	20.50
4/23/2009	S3	7.43	7.09	10.42	12.30	200	200	ND	ND	0.10	1.91	2.56	ND	0.08	18.00
5/7/2009	S3	26.34	6.37	8.02	17.90	5,900	5,000	1.15	0.27	0.04	1.50	2.96	ND	0.16	20.00
5/20/2009	S3	3.34	6.87	7.84	19.10	200	100	1.09	0.14	0.06	2.08	3.37	ND	0.08	9.60
6/3/2009	S3	3.43	6.75	7.66	22.20	800	300	ND	ND	0.10	1.55	2.20	ND	0.06	10.00
6/16/2009	S3	3.59	7.00	7.40	20.90	1,100	1,000	1.37	0.13	0.10	1.53	3.13	0.01	0.08	10.50
6/17/2009	S3	3.25	7.26	7.77	19.80	400	500	ND	0.12	0.03	1.60	2.25	ND	0.07	9.30
n*		64.00	64.00	64.00	64.00	64	58	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00
min*		0.85	6.37	3.15	0.30	5	20	0.50	0.05	0.01	0.03	1.65	0.01	0.03	1.00
mean*		4.32	7.14	8.28	17.20	270	323	1.07	0.19	0.06	1.87	3.19	0.03	0.09	10.44
max*		26.34	8.63	13.87	29.40	19,000	18,000	3.13	0.95	0.10	4.25	6.05	0.10	0.21	27.30
std. dev.*		3.96	0.42	3.11	8.35	3,087	3,349	0.55	0.17	0.04	1.20	0.97	0.01	0.04	5.55

"ND = not detected" indicates the concentration of the analytical tested was below the laboratory reporting limits

* = for the calculation of summary statistics of ND, half of the detection limit is applied

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		Flow Rate	pH	Dissolved Oxygen	Temperature	Fecal Coliform	E. coli	Total Kjeldahl Nitrogen	Ammonia Nitrogen as N	Nitrite-N	Nitrate-N	TN	Ortho Phosphate Dissolved	Total Phosphorus	TSS
Date	Station ID	cfs	S.U.	mg/L	deg C	col/100 ml	col/100 ml	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
6/8/2007	S4	0.75	6.82	5.76	28.10	ND		1.05	1.15	0.05	4.70	6.95	ND	0.04	2.67
6/15/2007	S4	0.68	6.94	7.71	21.20	150		ND	ND	0.05	5.35	5.95	ND	0.04	3.70
6/20/2007	S4	1.11	8.07	9.08	22.20	230									
6/27/2007	S4	0.34	7.12	7.01	27.80	200									
6/28/2007	S4	0.46	7.49	7.14	28.00	440									
7/2/2007	S4	0.38	6.51	6.78	26.50	900		1.04	0.12	ND	5.36	6.62	ND	0.03	4.00
7/6/2007	S4	0.89	7.03	7.70	24.60	360	ND								
7/11/2007	S4	0.34	5.93	7.03	30.20	520	ND								
7/18/2007	S4	0.32	6.66	4.77	28.00	600	600	1.29	0.20	0.14	2.45	4.08	ND	0.03	ND
7/25/2007	S4	0.37	6.85	6.00	26.20	400	3,800								
7/26/2007	S4	0.35	7.26	6.33	26.10	400	500								
8/1/2007	S4	0.35	7.13	5.46	27.7	5,700	5,100	1.06	0.19	ND	3.18	4.53	ND	0.06	4.70
8/10/2007	S4	0.47	6.95	6.25	27.20	300	100								
8/16/2007	S4	0.19	6.95	6.20	25.00	ND	ND	1.23	0.11	ND	2.72	4.16	ND	0.07	4.00
8/22/2007	S4	0.58	6.75	7.54	18.50	500	ND								
8/29/2007	S4	0.38	6.81	6.19	25.20	200	ND								
9/13/2007	S4	0.23	6.88	5.71	25.30	1,200	ND	ND	0.31	ND	3.01	3.92	ND	0.11	15.30
9/26/2007	S4	0.25	6.93	4.99	26.90	60,000	200,000	1.48	ND	0.02	3.56	5.11	ND	0.04	9.30
10/10/2007	S4	0.76	6.82	6.88	22.30	5,400	5,600	1.02	0.14	0.03	3.25	4.44	ND	0.08	16.00
10/10/2007	S4	0.74	6.87	6.96	24.50	7,000	9,000	1.19	0.16	0.03	3.26	4.64	ND	0.08	10.50
10/11/2007	S4	0.65	6.94	7.49	16.60	4,200	3,100	1.09	0.16	ND	3.44	4.79	ND	0.07	12.70
10/24/2007	S4	0.21	6.49	6.15	19.20	2,000	400	1.29	ND	ND	4.46	5.90	ND	0.04	6.00
10/24/2007	S4	0.33	6.75	7.36	18.30	6,000	8,000	ND	ND	ND	4.35	5.00	ND	0.06	14.00
10/24/2007	S4	1.08	7.10	7.90	21.60	5,700	3,400	1.00	ND	ND	4.53	5.68	ND	0.04	12.00
11/7/2007	S4	0.38	7.20	10.23	10.30	300	200	1.24	ND	ND	4.57	5.96	ND	0.05	9.33
12/12/2007	S4	0.38	6.44	10.39	11.10	ND	ND	1.36	0.28	ND	2.26	4.00	ND	0.04	3.50
12/20/2007	S4	0.73	7.05	11.35	5.60	ND	ND	ND	ND	ND	4.21	4.86	ND	0.09	7.00
1/9/2008	S4	0.73	6.94	9.22	13.20	ND	ND	ND	ND	ND	4.76	5.32	ND	0.04	4.00
1/25/2008	S4	0.69	6.56	13.82	3.50	ND	ND	ND	ND	ND	5.58	6.14	ND	0.04	3.30
2/8/2008	S4	0.79	6.43	13.21	7.50	ND	ND	1.17	ND	ND	4.58	5.81	ND	0.04	10.00
2/27/2008	S4	0.57	6.67	13.75	4.70	ND	100	0.65	ND	ND	5.53	6.24	ND	0.03	3.00
3/6/2008	S4	0.64	6.67	11.23	13.00	ND	ND	1.15	ND	ND	5.41	6.62	ND	0.03	4.00
3/13/2008	S4	1.05	6.48	10.17	11.20	200	ND	ND	0.10	ND	4.01	4.71	ND	0.07	6.50
4/1/2008	S4	0.97	6.74	9.88	20.20	ND	1,000	ND	ND	ND	4.75	5.31	ND	0.03	ND
4/24/2008	S4	0.46	7.13	8.18	25.40	100	ND	1.06	ND	ND	5.17	6.38	ND	0.02	ND
5/7/2008	S4	0.36	6.89	7.15	26.10	ND	100	ND	ND	ND	4.89	5.54	ND	0.03	4.50
5/28/2008	S4	0.84	6.95	8.63	20.4	100	200	1.20	ND	0.03	5.04	6.32	ND	0.03	3.30
6/12/2008	S4	0.69	7.44	6.81	25.10	ND	100	3.15	ND	0.03	0.25	3.48	ND	0.17	26.00
6/27/2008	S4	0.36	6.97	6.12	26.40	100	ND	1.42	0.11	0.08	ND	1.86	0.06	0.12	19.20
7/1/2008	S4	0.16	6.91	5.38	32.60	200	100	1.29	0.10	0.10	3.29	4.78	0.11	0.04	4.50
7/30/2008	S4	0.31	6.75	5.26	29.60	700	400	1.20	0.14	ND	ND	1.69	ND	0.09	7.00
8/13/2008	S4	0.37	6.89	5.93	27.50	600	100	1.26	ND	ND	2.08	3.49	ND	0.08	4.50
8/28/2008	S4	0.14	7.12	5.49	22.10	200	1,000	1.16	0.19	ND	2.29	3.74	ND	0.09	3.20
9/11/2008	S4	0.29	6.74	5.83	23.70	1,000	700	1.44	0.15	ND	2.00	3.69	ND	0.10	4.00
9/26/2008	S4	0.33	7.33	5.65	17.90	2,000	1,000	ND	ND	0.04	3.27	3.86	0.06	0.11	4.00
10/9/2008	S4	0.32	7.06	7.08	22.20	100	ND	ND	ND	ND	3.97	4.62	ND	0.04	2.50
10/31/2008	S4	0.28	7.16	9.96	12.10	ND	ND	1.32	0.33	0.03	0.87	2.55	ND	0.04	4.00
11/19/2008	S4	0.32	7.51	11.63	5.70	100	ND	0.50	0.32	ND	1.41	2.33	ND	0.04	2.80
11/25/2008	S4	0.77	7.22	10.71	5.60	ND	ND	ND	0.45	0.05	1.43	2.43	0.01	0.05	4.40
12/5/2008	S4	0.25	7.24	11.72	6.70	ND	ND	1.10	0.39	0.05	1.91	3.45	ND	0.05	4.00
12/17/2008	S4	1.26	6.41	11.33	5.80	600	ND	ND	ND	0.04	2.15	2.74	ND	0.07	18.00
1/22/2009	S4	0.98	7.34	12.78	3.90	ND	ND	ND	0.05	ND	7.16	7.81	ND	0.03	9.60
1/30/2009	S4	0.87	6.01	12.82	2.40	ND	100	1.75	0.14	ND	4.91	6.81	0.07	0.05	2.00
2/19/2009	S4	0.90	7.32	11.96	4.90	ND	100	1.57	0.39	0.06	3.05	5.07	ND	0.08	11.50
2/26/2009	S4	0.53	5.84	12.90	7.90	ND	100	ND	ND	ND	6.30	6.86	ND	0.02	2.40
3/13/2009	S4	0.59	6.71	11.35	9.10	ND	ND	1.13	ND	ND	5.54	6.73	ND	0.03	2.00
3/24/2009	S4	0.33	7.27	12.01	7.4	ND	ND	ND	0.38	ND	2.59	3.57	ND	0.08	10.00
4/8/2009	S4	0.72	6.82	11.49	9.90	200	100	1.05	ND	ND	3.67	4.78	ND	0.06	9.40
4/23/2009	S4	1.04	6.83	10.64	14.60	400	400	ND	ND	ND	2.63	3.28	ND	0.09	6.80
5/7/2009	S4	5.23	6.06	8.03	18.60	17,000	21,000	1.59	0.14	0.03	1.67	3.43	0.14	0.30	29.50
5/20/2009	S4	0.36	6.79	7.65	26.60	100	900	1.16	0.13	0.05	4.87	6.21	ND	0.04	4.00
6/3/2009	S4	0.38	6.54	6.78	24.20	1,000	1,500	1.08	ND	ND	4.52	5.75	ND	0.03	6.00
6/16/2009	S4	0.40	6.60	7.89	20.70	900	700	1.65	0.17	ND	3.35	5.27	0.01	0.07	10.70
6/17/2009	S4	0.41	6.71	7.74	20.60	100	1,000	1.13	ND	ND	0.58	1.77	ND	0.05	11.00
n*		64.00	64.00	64.00	64.00	64	58	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00
min*		0.14	5.84	4.77	2.40	5	5	0.50	0.05	0.01	0.25	0.01	0.01	0.02	1.00
mean*		0.61	6.87	8.45	18.64	261	213	1.02	0.15	0.06	3.53	4.69	0.09	0.06	7.39
max*		5.23	8.07	13.82	32.60	60,000	200,000	3.15	1.15	0.14	7.16	7.81	3.43	0.30	29.50
std. dev.*		0.65	0.38	2.56	8.57	7,808	26,297	0.48	0.18	0.04	1.64	1.61	0.46	0.04	6.02

"ND = not detected" indicates the concentration of the analytical tested was below the laboratory reporting limits

* = for the calculation of summary statistics of ND, half of the detection limit is applied

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		Flow Rate	pH	Dissolved Oxygen	Temperature	Fecal Coliform	E. coli	Total Kjeldahl Nitrogen	Ammonia Nitrogen as N	Nitrite-N	Nitrate-N	TN	Ortho Phosphate Dissolved	Total Phosphorus	TSS
Date	Station ID	cfs	S.U.	mg/L	deg C	col/100 ml	col/100 ml	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
6/8/2007	S5	0.10	6.10	6.49	29.10	ND		1.76	0.16	0.05	8.73	10.75	0.25	0.19	24.30
6/15/2007	S5	0.27	6.11	8.17	20.70	900		2.18	0.25	0.04	8.87	11.34	0.25	0.47	113.00
6/20/2007	S5	0.45	5.93	7.77	21.00	900									
6/27/2007	S5	0.35	5.96	6.25	25.50	1,000									
6/28/2007	S5	0.30	6.03	3.04	25.40	1,500									
7/2/2007	S5	0.35	5.58	7.57	22.00	ND		1.30	0.12	ND	9.55	11.07	ND	0.06	3.30
7/6/2007	S5	0.41	5.92	6.91	24.50	600	ND								
7/11/2007	S5	0.27	5.40	6.98	26.40	600	600								
7/18/2007	S5	0.27	6.03	6.42	25.90	600	600	1.81	0.18	ND	8.77	10.86	0.01	0.07	8.70
7/25/2007	S5	0.27	5.98	7.73	24.30	1,500	1,000								
7/26/2007	S5	0.27	7.27	7.53	23.80	1,600	3,600								
8/1/2007	S5	0.15	6.20	5.72	25.10	500	200	1.89	0.42	ND	9.27	11.68	0.04	0.22	47.00
8/10/2007	S5	0.26	5.94	7.38	24.50	ND	100								
8/16/2007	S5	0.22	5.94	7.34	23.70	200	300	1.58	0.18	ND	9.89	11.75	0.02	0.19	31.50
8/22/2007	S5	0.43	5.98	8.16	18.00	4,400	800								
8/29/2007	S5	0.17	5.89	8.23	23.80	5,800	100								
9/13/2007	S5	0.14	6.00	8.38	23.60	18,000	8,100	1.15	ND	ND	9.76	11.06	ND	0.06	13.30
9/26/2007	S5	0.10	6.00	5.08	26.40	2,300	1,300	2.92	0.19	0.04	9.25	12.40	0.01	0.19	35.00
10/10/2007	S5	0.39	5.83	6.80	21.40	12,000	43,000	2.25	0.27	0.03	7.61	10.16	0.08	0.14	15.00
10/10/2007	S5	0.23	6.02	8.15	23.20	8,000	15,000	1.50	0.13	0.02	7.75	9.40	0.06	0.14	20.70
10/11/2007	S5	0.23	6.16	7.49	16.60	16,000	16,800	1.26	0.15	ND	8.01	9.52	0.07	0.12	10.00
10/24/2007	S5	0.49	6.42	8.36	17.40	6,000	8,000	1.16	ND	ND	8.03	9.34	0.05	0.13	17.50
10/24/2007	S5	0.49	6.31	8.19	17.53	6,000	8,000	3.03	0.36	ND	9.51	13.00	0.65	0.44	141.00
10/24/2007	S5	0.44	6.30	10.70	18.67	6,000	8,000	2.20	0.38	ND	7.31	9.99	0.22	0.40	40.50
11/7/2007	S5	0.18	6.38	10.42	10.90	39,000	28,000	2.16	0.19	ND	9.39	11.84	ND	0.48	214.00
12/12/2007	S5	0.22	6.25	10.69	11.30	ND	ND	ND	ND	ND	9.45	10.10	ND	0.04	4.00
12/20/2007	S5	0.18	6.36	10.92	7.90	320	ND	1.32	0.12	ND	9.88	11.42	ND	0.14	39.00
1/9/2008	S5	0.24	6.25	10.04	14.30	ND	1,200	1.38	0.14	0.02	8.92	10.46	ND	0.11	25.30
1/25/2008	S5	0.20	6.11	14.55	3.00	ND	ND	ND	ND	ND	10.70	11.26	0.08	0.04	3.30
2/8/2008	S5	0.27	6.26	12.85	7.30	ND	ND	1.32	ND	ND	8.71	10.09	ND	0.04	ND
2/27/2008	S5	0.19	6.07	11.96	5.70	ND	ND	0.65	ND	ND	8.85	9.56	ND	0.04	4.00
3/6/2008	S5	0.22	6.40	11.25	11.90	100	ND	1.18	0.10	ND	8.56	9.85	ND	0.06	7.00
3/13/2008	S5	0.23	6.65	10.16	10.70	ND	ND	ND	ND	ND	8.35	9.00	ND	0.05	4.50
4/11/2008	S5	0.19	6.08	12.49	17.50	2,000	600	ND	ND	ND	7.71	8.27	ND	0.03	ND
4/24/2008	S5	0.14	6.11	6.12	19.80	900	5,000	1.33	ND	ND	9.04	10.52	ND	0.08	15.60
5/7/2008	S5	0.16	6.22	9.79	22.00	5,000	9,000	ND	ND	ND	9.40	10.05	ND	0.06	10.00
5/28/2008	S5	0.32	6.35	9.64	18.40	7,000	17,000	1.17	ND	0.03	8.57	9.82	ND	0.10	5.30
6/12/2008	S5	0.14	5.86	6.63	24.30	32,000	36,000	1.99	0.40	0.06	8.55	11.00	ND	0.14	19.00
6/27/2008	S5	0.10	7.17	5.33	28.90	ND	ND	1.47	0.11	0.05	0.25	1.88	ND	0.13	20.40
7/11/2008	S5	0.08	6.03	9.14	26.40	34,000	1,900	1.41	0.12	0.05	9.98	11.56	ND	0.10	27.50
7/30/2008	S5	0.12	5.88	7.11	25.50	18,000	41,000	3.92	0.36	ND	9.82	14.20	ND	0.45	105.00
8/13/2008	S5	0.12	6.04	8.67	22.60	11,000	32,000	1.51	0.10	ND	9.91	11.62	ND	0.07	11.50
8/28/2008	S5	0.15	6.33	9.78	20.30	1,000	6,000	ND	ND	ND	10.20	10.85	ND	0.05	4.00
9/11/2008	S5	0.21	5.98	9.25	20.80	3,000	2,000	ND	ND	ND	9.40	10.05	ND	0.05	6.00
9/26/2008	S5	0.15	7.13	6.69	17.30	1,200	5,000	ND	ND	0.03	9.91	10.49	ND	0.07	8.70
10/9/2008	S5	0.17	5.90	9.73	20.70	29,000	38,000	1.83	0.24	ND	9.96	12.13	0.59	0.37	68.00
10/31/2008	S5	0.17	6.04	10.12	13.10	ND	15,000	2.43	0.03	0.04	9.84	12.34	ND	0.24	44.80
11/19/2008	S5	0.21	6.91	12.74	6.50	900	10,000	ND	0.12	ND	8.99	9.71	ND	0.07	7.60
11/25/2008	S5	0.35	6.27	10.86	7.20	ND	ND	1.20	0.25	0.03	5.96	7.44	0.12	0.22	31.20
12/5/2008	S5	0.22	6.50	12.70	6.20	800	1,400	ND	ND	0.02	8.97	9.54	ND	0.06	12.00
12/17/2008	S5	0.69	6.28	11.40	6.10	4,700	4,200	1.12	0.24	0.03	4.23	5.62	0.20	0.36	50.00
1/22/2009	S5	0.21	5.99	11.26	5.00	ND	100	ND	ND	ND	9.70	10.35	ND	0.03	4.00
1/30/2009	S5	0.32	5.70	11.72	3.10	200	200	1.65	0.19	ND	7.75	9.60	ND	0.09	ND
2/19/2009	S5	0.29	5.84	12.12	6.50	ND	ND	ND	ND	0.01	8.52	9.08	ND	0.02	2.00
2/26/2009	S5	0.22	5.56	12.36	7.90	ND	ND	ND	ND	ND	8.40	8.96	ND	0.02	3.60
3/13/2009	S5	0.21	6.26	12.16	7.40	ND	ND	ND	ND	ND	9.23	9.79	ND	0.02	ND
3/24/2009	S5	0.19	5.95	11.82	8.90	ND	ND	1.08	ND	0.10	9.43	10.66	ND	0.03	4.80
4/8/2009	S5	0.25	7.10	10.24	11.70	3,900	3,600	3.99	0.11	0.03	8.82	12.95	ND	0.97	506.00
4/23/2009	S5	0.36	6.52	10.23	13.00	3,000	400	ND	ND	ND	7.33	7.98	ND	0.06	4.00
5/7/2009	S5	0.94	6.84	7.89	18.40	6,000	60,000	3.76	0.65	0.04	3.90	8.35	0.22	0.58	106.00
5/20/2009	S5	0.26	5.73	9.77	20.40	3,700	5,100	1.08	ND	0.03	8.66	9.82	ND	0.05	2.40
6/3/2009	S5	0.23	5.82	9.10	20.60	11,000	6,000	1.01	ND	ND	8.17	9.33	ND	0.06	2.80
6/16/2009	S5	0.23	6.06	9.62	18.20	3,400	2,600	1.22	ND	ND	8.03	9.40	ND	0.52	5.50
6/17/2009	S5	0.24	6.54	9.84	18.70	2,500	2,500	1.25	ND	0.01	8.88	10.19	ND	0.04	2.50
n*		64.00	64.00	64.00	64.00	64	58	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00
min*		0.08	5.40	3.04	3.00	5	5	0.50	0.03	0.01	0.25	1.88	0.01	0.02	1.00
mean*		0.26	6.17	9.13	17.42	888	1,097	1.41	0.14	0.06	8.57	10.17	0.07	0.16	35.48
max*		0.94	7.27	14.55	29.10	39,000	60,000	3.99	0.65	0.10	10.70	14.20	0.65	0.97	506.00
std. dev.*		0.14	0.38	2.30	7.33	8,629	13,158	0.89	0.13	0.04	1.71	1.86	0.13	0.19	76.68

"ND = not detected" indicates the concentration of the analytical tested was below the laboratory reporting limits

* = for the calculation of summary statistics of ND, half of the detection limit is applied

"NA = not measured due to a barrier provided by private owner

Upper Salem River Watershed Restoration & Protection Plan DATA REPORT

Date	Station ID	Flow Rate cfs	pH S.U.	Dissolved Oxygen mg/L	Temperature deg C	Fecal Coliform col/100 ml	E. coli col/100 ml	Total Kjeldahl Nitrogen (mg/L)	Ammonia Nitrogen as N (mg/L)	Nitrite-N (mg/L)	Nitrate-N (mg/L)	TN (mg/L)	Ortho Phosphate Dissolved (mg/L)	Total Phosphorus (mg/L)	TSS (mg/L)	
6/8/2007	S6	1.19	7.18	6.85	23.60	ND		1.26	ND	0.02	7.82	9.15	ND	0.03	ND	
6/15/2007	S6	1.06	7.18	8.60	18.40	360		1.42	ND	ND	7.80	9.28	ND	0.03	2.70	
6/20/2007	S6	1.06	6.89	8.15	20.30	180										
6/27/2007	S6	0.89	6.57	7.42	23.30	320										
6/28/2007	S6	0.74	6.76	7.48	23.80	1,200										
7/2/2007	S6	0.79	6.80	8.60	19.30	700		0.91	0.14	ND	8.75	9.90	ND	0.03	2.30	
7/6/2007	S6	1.37	6.92	7.62	22.60	140	ND									
7/11/2007	S6	0.87	6.13	8.54	24.60	600	600									
7/18/2007	S6	0.77	7.06	6.71	24.30	600	600	ND	ND	ND	7.90	8.55	0.01	0.04	3.70	
7/25/2007	S6	0.78	6.93	7.40	23.30	5,800	400									
7/26/2007	S6	0.78	7.27	7.53	23.10	400	800									
8/1/2007	S6	0.74	6.76	7.50	21.70	1,100	400	1.08	ND	ND	ND	8.14	9.37	ND	0.06	4.00
8/10/2007	S6	0.73	6.73	7.19	23.80	1,400	1,800									
8/16/2007	S6	0.65	6.89	7.33	23.70	2,300	ND	ND	ND	ND	7.54	8.19	0.01	0.04	4.50	
8/22/2007	S6	0.88	6.93	8.11	18.10	1,200	900									
8/29/2007	S6	0.70	6.84	7.46	22.40	800	600									
9/13/2007	S6	0.52	7.13	7.30	23.40	800	700	ND	ND	ND	8.55	9.20	ND	0.03	ND	
9/26/2007	S6	0.54	7.25	6.13	24.10	500	200	ND	ND	0.02	8.32	8.89	ND	0.03	10.70	
10/10/2007	S6	1.02	7.34	7.55	19.30	8,000	27,000	1.19	0.13	0.03	5.02	6.37	0.12	0.18	7.00	
10/10/2007	S6	0.89	6.64	7.34	21.80	9,000	38,000	ND	ND	ND	5.60	6.16	0.08	0.12	9.70	
10/11/2007	S6	1.25	7.04	8.34	16.30	5,400	49,000	ND	ND	ND	5.14	5.79	0.13	0.18	8.00	
10/24/2007	S6	0.98	6.98	9.08	17.90	3,400	2,400	ND	ND	ND	7.39	8.04	0.02	0.06	11.50	
10/24/2007	S6	0.94	7.02	8.64	17.93	6,000	4,800	1.05	ND	ND	8.11	9.31	0.02	0.07	13.50	
10/24/2007	S6	1.42	6.86	9.33	18.30	6,000	8,000	1.63	ND	ND	8.13	9.91	0.08	0.07	14.50	
11/7/2007	S6	0.76	7.31	10.97	9.30	100	300	ND	ND	ND	7.89	8.54	ND	0.01	ND	
12/12/2007	S6	1.23	6.97	10.42	9.40	ND	ND	1.01	ND	ND	7.23	8.39	ND	0.03	ND	
12/20/2007	S6	0.99	6.98	11.82	6.80	20	40	ND	ND	ND	7.71	8.36	ND	0.03	2.50	
1/9/2008	S6	1.03	7.10	9.54	13.60	600	200	ND	ND	ND	7.36	7.92	ND	0.04	4.00	
1/25/2008	S6	0.90	7.11	14.37	1.10	ND	ND	ND	ND	ND	7.95	8.51	ND	0.03	ND	
2/8/2008	S6	1.20	6.59	12.94	6.80	ND	ND	ND	ND	ND	5.10	5.66	ND	0.03	2.70	
2/27/2008	S6	1.60	6.77	12.17	4.90	100	ND	0.60	ND	ND	6.48	7.14	ND	0.03	3.50	
3/6/2008	S6	1.45	6.70	10.84	11.50	200	ND	0.78	0.11	ND	6.75	7.65	ND	0.03	5.00	
3/13/2008	S6	1.47	6.84	10.01	9.80	ND	ND	ND	ND	ND	6.67	7.32	ND	0.04	4.70	
4/11/2008	S6	1.07	6.80	10.62	17.10	ND	ND	ND	ND	ND	5.93	6.49	ND	0.05	3.60	
4/24/2008	S6	0.75	6.99	9.33	19.40	200	500	1.02	ND	ND	7.20	8.37	ND	0.01	ND	
5/7/2008	S6	0.60	6.94	8.17	22.30	100	200	ND	ND	ND	8.05	8.70	ND	0.03	ND	
5/28/2008	S6	1.48	6.87	7.79	20.10	14,000	69,000	1.62	ND	0.02	5.75	7.44	ND	0.12	6.00	
6/12/2008	S6	0.59	6.94	7.83	23.70	11,000	10,000	2.15	ND	0.05	7.49	9.74	ND	0.05	8.00	
6/27/2008	S6	0.54	7.09	7.48	24.90	900	8,000	0.50	ND	0.02	8.29	8.86	0.01	0.06	10.00	
7/11/2008	S6	0.51	7.11	6.92	26.30	1,400	23,000	1.28	ND	ND	8.76	10.10	ND	0.04	5.50	
7/30/2008	S6	0.64	6.95	7.36	24.60	5,000	2,000	1.07	ND	ND	8.22	9.44	ND	0.06	8.00	
8/13/2008	S6	0.50	7.12	7.91	21.70	3,000	3,000	1.25	ND	ND	8.18	9.58	ND	0.04	4.00	
8/28/2008	S6	0.39	7.27	8.32	20.40	900	1,500	ND	ND	ND	8.69	9.34	ND	0.05	6.40	
9/11/2008	S6	0.40	8.03	7.02	20.10	2,900	3,000	1.04	ND	ND	7.50	8.69	ND	0.05	8.00	
9/26/2008	S6	0.28	7.04	8.95	16.20	2,000	200	1.02	ND	ND	8.01	9.09	0.11	0.13	7.30	
10/9/2008	S6	0.44	7.08	7.73	20.50	800	1,500	1.22	ND	ND	8.36	9.73	ND	0.05	5.20	
10/31/2008	S6	0.38	7.05	9.04	12.60	ND	ND	1.04	0.26	0.02	7.96	9.28	ND	0.04	4.40	
11/19/2008	S6	0.70	7.34	11.56	6.30	500	100	ND	ND	ND	6.90	7.55	ND	0.02	ND	
11/25/2008	S6	1.60	6.82	10.80	6.50	9,000	14,000	1.12	0.15	0.03	3.79	5.09	0.11	0.18	8.00	
12/5/2008	S6	0.75	7.37	13.03	4.80	600	500	ND	ND	ND	6.94	7.50	ND	0.03	3.50	
12/17/2008	S6	3.95	6.39	11.65	5.50	2,100	5,200	ND	ND	0.03	2.77	3.35	0.10	0.23	32.00	
1/22/2009	S6	0.71	7.45	12.36	3.40	ND	100	ND	ND	ND	7.94	8.59	ND	0.02	3.20	
1/30/2009	S6	1.43	6.31	12.71	1.90	200	ND	1.64	0.11	ND	6.06	7.82	ND	0.07	ND	
2/19/2009	S6	1.20	7.26	11.90	5.70	100	100	1.22	0.12	0.03	6.18	7.55	ND	0.03	3.00	
2/26/2009	S6	0.74	6.29	12.35	7.80	ND	ND	1.24	0.33	ND	6.88	8.46	ND	0.02	4.40	
3/13/2009	S6	0.70	6.99	12.71	6.20	ND	ND	1.04	ND	0.01	7.38	8.48	ND	0.02	3.20	
3/24/2009	S6	0.53	6.90	12.53	7.80	ND	ND	1.18	ND	ND	7.85	9.18	ND	0.01	2.00	
4/8/2009	S6	0.97	7.01	10.33	11.70	ND	100	1.00	ND	ND	6.28	7.34	ND	0.04	3.50	
4/23/2009	S6	1.69	7.02	10.34	12.90	1,000	100	ND	ND	ND	5.11	5.76	ND	0.07	11.30	
5/7/2009	S6	5.68	6.41	7.91	18.70	38,000	41,000	2.10	0.27	0.04	2.59	5.00	0.09	0.31	57.00	
5/20/2009	S6	1.02	6.92	9.38	18.30	400	400	1.00	ND	ND	7.36	8.42	ND	0.05	3.20	
6/3/2009	S6	0.81	6.75	7.81	20.90	1,000	1,500	ND	ND	ND	6.66	7.31	ND	0.05	8.40	
6/16/2009	S6	0.83	6.93	8.81	18.90	2,000	700	1.20	0.11	ND	6.65	8.06	0.02	0.05	8.50	
6/17/2009	S6	0.89	7.25	9.05	18.00	600	900	ND	ND	0.01	7.43	7.99	ND	0.04	6.00	
n*		64.00	64.00	64.00	64.00	64	58	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00	
min*		0.28	6.13	6.13	1.10	5	5	0.50	0.05	0.01	2.59	3.35	0.01	0.01	1.00	
mean*		1.01	6.96	9.20	16.46	554	560	0.90	0.07	0.06	7.05	8.07	0.03	0.06	6.61	
max*		5.68	8.03	14.37	26.30	38,000	69,000	2.15	0.33	0.10	8.76	10.10	0.13	0.31	57.00	
std. dev.*		0.78	0.30	2.01	7.13	5,394	13,412	0.44	0.06	0.04	1.40	1.42	0.03	0.06	8.58	

"ND = not detected" indicates the concentration of the analytical tested was below the laboratory reporting limits

* = for the calculation of summary statistics of ND, half of the detection limit is applied

Upper Salem River Watershed Restoration & Protection Plan DATA REPORT

Date	Station ID	Flow Rate cfs	pH S.U.	Dissolved Oxygen mg/L	Temperature deg C	Fecal Coliform col/100 ml	E. coli col/100 ml	Total Kjeldahl Nitrogen (mg/L)	Ammonia Nitrogen as N (mg/L)	Nitrite-N (mg/L)	Nitrate-N (mg/L)	TN (mg/L)	Ortho Phosphate Dissolved (mg/L)	Total Phosphorus (mg/L)	TSS (mg/L)
6/8/2007	S7	2.17	6.99	7.63	23.10	700		1.43	ND	0.03	8.99	10.50	ND	0.04	5.67
6/15/2007	S7	1.74	7.27	8.91	18.60	2,600		1.42	0.11	0.02	9.49	11.04	ND	0.05	13.30
6/20/2007	S7	2.66	6.89	8.43	20.70	1,000									
6/27/2007	S7	1.61	6.72	8.24	25.10	1,200									
6/28/2007	S7	1.85	6.93	8.32	25.40	900									
7/2/2007	S7	0.99	7.03	9.02	20.80	450		1.22	0.28	ND	9.50	11.10	ND	0.02	6.70
7/6/2007	S7	2.84	6.75	8.10	23.60	600	ND								
7/11/2007	S7	0.93	6.90	8.20	27.40	600	80								
7/18/2007	S7	1.33	7.27	7.18	25.70	600	600	1.63	ND	0.03	10.40	12.11	ND	ND	13.70
7/25/2007	S7	1.23	7.15	8.41	24.00	18,000	3,700								
7/26/2007	S7	1.17	7.26	5.24	25.40	4,300	4,200								
8/1/2007	S7	0.95	6.34	7.84	27.10	6,000	13,000	1.65	0.16	ND	9.87	11.78	1.02	0.88	13.30
8/10/2007	S7	1.74	7.03	7.92	25.20	ND	ND								
8/16/2007	S7	0.84	7.45	8.83	26.00	ND	100	1.84	ND	ND	8.70	10.69	ND	0.04	6.50
8/22/2007	S7	1.62	7.22	8.14	18.60	2,800	4,100								
8/29/2007	S7	1.03	7.04	8.63	22.50	3,000	3,200								
9/13/2007	S7	0.78	7.34	8.94	20.70	3,600	1,100	ND	0.17	ND	12.00	12.77	ND	0.03	8.00
9/26/2007	S7	0.90	7.31	8.03	23.40	12,000	3,700	ND	ND	0.03	11.30	11.88	0.01	0.07	16.00
10/10/2007	S7	1.83	6.54	6.91	20.50	11,000	20,000	1.23	ND	0.02	6.25	7.55	ND	0.07	15.70
10/10/2007	S7	1.69	6.59	6.84	21.70	8,000	11,000	1.38	ND	0.02	6.65	8.10	ND	0.06	18.00
10/11/2007	S7	1.47	7.26	8.92	16.90	5,800	400	1.01	ND	ND	7.17	8.38	ND	0.15	32.70
10/24/2007	S7	1.69	7.07	8.74	18.33	6,000	8,000	1.51	ND	ND	9.11	10.77	0.02	0.07	19.00
10/24/2007	S7	1.54	7.11	9.20	18.35	6,000	5,700	1.28	0.11	ND	10.50	11.99	0.02	0.01	29.50
10/24/2007	S7	1.73	6.92	9.89	19.38	6,000	8,000	1.93	0.13	ND	10.50	12.66	0.06	0.17	42.50
11/7/2007	S7	1.35	7.30	11.79	8.50	2,600	1,400	ND	ND	ND	8.86	9.51	ND	0.01	3.50
12/12/2007	S7	1.26	6.79	10.75	10.40	400	200	1.34	0.13	ND	7.69	9.26	ND	0.03	4.30
12/20/2007	S7	1.31	6.97	12.78	4.30	90	150	1.03	ND	ND	7.73	8.91	ND	0.03	5.30
1/9/2008	S7	1.66	7.15	10.16	12.60	100	900	ND	ND	ND	8.71	9.27	ND	0.03	3.30
1/25/2008	S7	1.77	6.87	15.47	-0.80	ND	ND	ND	ND	ND	10.50	11.06	ND	0.03	8.00
2/8/2008	S7	1.93	6.63	13.13	6.40	ND	ND	ND	ND	ND	7.03	7.59	ND	0.03	3.30
2/27/2008	S7	2.89	6.81	12.25	4.70	ND	ND	0.60	ND	ND	7.24	7.90	ND	0.02	ND
3/6/2008	S7	2.59	6.76	12.76	7.50	500	100	0.93	ND	ND	6.27	7.26	ND	0.04	6.00
3/13/2008	S7	2.43	6.65	12.06	6.00	ND	ND	1.03	ND	ND	7.19	8.37	ND	0.03	2.70
4/11/2008	S7	1.07	6.92	10.38	17.30	300	100	ND	ND	ND	6.39	6.95	ND	0.03	4.00
4/24/2008	S7	1.32	7.20	10.01	17.30	2,000	2,000	1.02	ND	ND	7.89	9.06	ND	0.02	2.00
5/7/2008	S7	1.06	7.15	10.46	18.40	4,000	3,000	1.00	ND	ND	8.46	9.61	ND	0.03	3.00
5/28/2008	S7	1.63	7.02	10.40	15.20	4,000	5,000	1.40	ND	0.02	7.05	8.52	ND	0.06	4.70
6/12/2008	S7	0.65	7.21	8.66	24.90	28,000	20,000	2.02	0.11	0.05	8.41	10.59	ND	0.05	12.00
6/27/2008	S7	0.86	7.72	9.14	26.40	1,400	4,000	1.05	ND	ND	9.58	10.69	ND	0.09	5.20
7/11/2008	S7	0.71	7.58	8.80	25.20	1,200	1,600	1.48	ND	0.03	9.54	11.10	ND	0.04	13.00
7/30/2008	S7	0.87	7.12	8.02	25.80	4,000	4,000	1.12	ND	ND	8.58	9.85	ND	0.06	4.50
8/13/2008	S7	0.90	7.25	8.40	23.00	8,000	3,000	1.37	ND	ND	8.47	9.99	ND	0.04	9.00
8/28/2008	S7	0.67	7.33	8.64	21.40	6,000	5,300	1.91	0.11	ND	11.30	13.42	ND	0.08	42.00
9/11/2008	S7	1.00	7.27	9.12	20.20	500	4,000	1.12	ND	ND	7.60	8.87	ND	0.04	8.00
9/26/2008	S7	0.95	7.42	8.65	18.50	1,100	4,000	1.00	ND	ND	9.76	10.82	0.06	0.05	10.70
10/9/2008	S7	0.79	7.27	9.08	18.40	800	1,500	ND	ND	ND	9.89	10.54	ND	0.03	5.00
10/31/2008	S7	0.64	7.09	10.97	8.50	300	200	1.15	0.11	ND	10.10	11.37	ND	0.02	3.20
11/19/2008	S7	0.88	7.57	12.52	1.90	300	900	ND	0.05	ND	7.80	8.45	ND	0.03	4.40
11/25/2008	S7	4.05	7.47	11.29	6.60	15,000	2,600	1.10	0.05	0.03	4.31	5.54	0.06	0.14	12.40
12/5/2008	S7	1.16	7.15	13.10	4.30	100	ND	ND	0.05	ND	7.75	8.31	ND	0.03	6.50
12/17/2008	S7	10.76	6.20	10.39	5.50	5,800	3,000	1.04	0.51	0.03	3.11	4.69	0.08	0.17	36.00
1/22/2009	S7	1.18	6.56	12.53	1.40	100	100	ND	0.11	ND	9.53	10.24	ND	0.02	5.20
1/30/2009	S7	2.44	6.26	12.93	0.50	1,000	100	1.09	0.12	ND	6.60	7.82	ND	0.05	8.70
2/19/2009	S7	2.10	6.67	11.76	5.10	ND	ND	ND	ND	ND	6.96	7.52	ND	0.02	3.50
2/26/2009	S7	1.71	6.25	12.60	8.60	ND	ND	ND	ND	ND	8.31	8.87	ND	0.02	2.80
3/13/2009	S7	1.44	7.37	13.42	4.80	200	300	1.03	ND	ND	8.60	9.69	ND	0.02	2.00
3/24/2009	S7	0.97	6.82	13.87	4.60	ND	100	1.22	ND	ND	8.79	10.16	ND	0.02	2.40
4/8/2009	S7	1.83	7.09	11.39	8.80	100	100	ND	ND	ND	6.32	6.88	ND	0.03	5.00
4/23/2009	S7	2.41	7.07	10.82	11.80	800	500	ND	ND	ND	4.97	5.62	ND	0.06	11.30
5/7/2009	S7	1.34	6.22	8.44	17.50	15,000	11,000	1.34	0.12	0.05	2.02	3.53	0.08	0.26	49.00
5/20/2009	S7	1.62	6.84	9.86	19.40	900	1,300	1.13	ND	0.03	8.29	9.50	ND	0.04	7.20
6/3/2009	S7	1.60	6.64	8.92	20.90	2,600	2,800	ND	ND	ND	8.23	8.88	ND	0.04	6.80
6/16/2009	S7	1.34	7.03	9.13	19.40	1,800	2,500	1.47	ND	ND	7.33	9.00	0.02	0.05	11.30
6/17/2009	S7	1.55	7.31	7.63	19.20	1,800	2,100	1.39	ND	0.03	8.26	9.73	ND	0.04	6.00
n*		63.00	64.00	64.00	64.00	64	58	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00
min*		0.64	6.20	5.24	-0.80	50	5	0.50	0.05	0.01	2.02	3.53	0.01	0.01	1.00
mean*		1.64	7.01	9.83	16.23	973	804	1.05	0.08	0.06	8.18	9.38	0.04	0.07	10.83
max*		10.76	7.72	15.47	27.40	28,000	20,000	2.02	0.51	0.10	12.00	13.42	1.02	0.88	49.00
std. dev.*		1.33	0.34	2.05	8.18	5,093	4,394	0.44	0.07	0.04	1.92	2.03	0.14	0.12	11.03

"ND = not detected" indicates the concentration of the analytical tested was below the laboratory reporting limits

* = for the calculation of summary statistics of ND, half of the detection limit is applied

Upper Salem River Watershed Restoration & Protection Plan DATA REPORT

Date	Station ID	Flow Rate cfs	pH S.U.	Dissolved Oxygen mg/L	Temperature deg C	Fecal Coliform col/100 ml	E. coli col/100 ml	Total Kjeldahl Nitrogen (mg/L)	Ammonia Nitrogen as N (mg/L)	Nitrite-N (mg/L)	Nitrate-N (mg/L)	TN (mg/L)	Ortho Phosphate Dissolved (mg/L)	Total Phosphorus (mg/L)	TSS (mg/L)
6/8/2007	S8	7.63	6.99	6.03	24.80	1,000		1.34	0.20	0.08	3.43	5.05	0.05	0.17	37.70
6/15/2007	S8	6.83	7.19	7.71	19.30	260		ND	ND	0.05	3.24	3.84	ND	0.12	20.00
6/20/2007	S8	6.79	7.12	6.56	23.10	240									
6/27/2007	S8	5.493	6.63	4.94	27.10	290									
6/28/2007	S8	6.349	6.78	4.76	28.30	530									
7/2/2007	S8	4.58	6.99	6.30	20.90	120		1.29	0.21	ND	2.80	4.40	ND	0.16	20.00
7/6/2007	S8	19.59	6.84	7.35	24.50	480	ND								
7/11/2007	S8	3.99	6.64	3.90	29.80	330	420								
7/18/2007	S8	3.52	7.05	4.30	27.20	380	270	1.60	0.24	ND	1.54	3.48	0.05	0.25	21.30
7/25/2007	S8	2.83	6.99	4.56	25.30	300	800								
7/26/2007	S8	2.58	7.26	5.66	26.00	700	400								
8/1/2007	S8	3.02	7.29	4.62	26.80	3,000	500	1.31	0.34	ND	0.86	2.61	0.06	0.18	19.00
8/10/2007	S8	6.06	6.79	2.91	26.40	800	100								
8/16/2007	S8	3.08	6.91	3.32	27.90	200	100	1.79	0.34	ND	1.28	3.51	0.07	0.15	2.50
8/22/2007	S8	11.10	6.96	6.96	18.00	1,800	ND								
8/29/2007	S8	3.91	6.87	4.63	24.30	1,100	200								
9/13/2007	S8	2.59	7.22	5.54	21.80	100	100	1.04	0.56	ND	0.64	2.34	0.05	0.14	9.00
9/26/2007	S8	2.04	7.34	4.30	24.30	300	100	ND	ND	0.04	2.87	3.46	ND	0.13	22.70
10/10/2007	S8	15.72	6.68	5.84	21.40	2,400	23,000	1.74	0.53	0.06	1.91	4.24	0.05	0.26	57.50
10/10/2007	S8	11.35	6.69	5.86	21.70	4,100	31,000	1.57	0.49	0.05	1.68	3.79	ND	0.28	57.00
10/11/2007	S8	9.56	7.34	7.22	18.70	1,300	1,600	1.32	0.33	ND	2.61	4.36	ND	0.19	32.70
10/24/2007	S8	3.16	7.06	6.74	20.18	2,400	300	ND	ND	ND	3.33	3.98	0.01	0.09	14.00
10/24/2007	S8	3.52	7.02	6.69	20.07	400	700	1.52	0.13	ND	3.38	5.13	0.02	0.10	19.50
10/24/2007	S8	3.41	6.34	7.62	20.19	3,000	3,200	1.65	0.15	ND	3.41	5.31	0.01	0.09	19.00
11/7/2007	S8	5.20	7.54	10.59	8.80	2,600	1,200	ND	0.21	ND	4.36	5.17	ND	0.08	19.00
12/12/2007	S8	8.80	6.75	10.40	10.00	ND	100	ND	ND	ND	4.52	5.17	ND	0.06	8.50
12/20/2007	S8	8.57	7.07	12.22	4.60	10	60	1.18	0.17	ND	ND	1.70	ND	0.09	16.00
1/9/2008	S8	8.699	7.33	9.36	12.70	ND	200	1.02	0.10	0.02	4.94	6.08	ND	0.06	11.30
1/25/2008	S8	7.537	6.94	14.92	0.20	ND	ND	ND	ND	ND	5.09	5.65	ND	0.05	5.30
2/8/2008	S8	10.516	6.80	12.66	6.30	ND	ND	1.03	0.21	0.02	4.28	5.54	ND	0.12	26.00
2/27/2008	S8	9.49	7.11	11.75	4.70	ND	ND	0.70	0.10	0.02	5.06	5.88	ND	0.08	19.00
3/6/2008	S8	15.16	7.01	11.85	8.10	100	100	1.13	0.19	0.03	4.70	6.05	ND	0.14	31.00
3/13/2008	S8	12.34	7.10	11.74	6.50	200	ND	1.28	0.17	ND	3.87	5.42	ND	0.10	19.30
4/11/2008	S8	1.60	6.98	9.72	18.60	ND	ND	1.54	0.12	0.02	3.48	5.16	ND	0.15	20.40
4/24/2008	S8	5.83	6.93	8.42	19.90	1,000	2,000	1.13	ND	ND	3.80	5.08	ND	0.09	25.20
5/7/2008	S8	5.34	7.07	8.04	20.20	500	1,000	1.30	0.15	ND	3.32	4.87	ND	0.12	28.00
5/28/2008	S8	14.63	7.17	8.91	17.40	15,000	20,000	1.67	0.13	0.07	2.89	4.76	ND	0.17	38.70
6/12/2008	S8	4.70	6.92	5.02	26.80	24,000	10,000	1.40	0.26	0.08	2.03	3.77	0.05	0.18	38.00
6/27/2008	S8	2.53	7.09	4.14	28.10	2,000	1,000	1.62	0.34	0.03	1.16	3.15	0.01	0.21	14.40
7/11/2008	S8	3.17	7.20	3.93	26.50	ND	600	1.75	0.36	0.10	0.99	3.20	ND	0.23	16.00
7/30/2008	S8	3.37	6.86	4.17	26.30	1,000	400	2.03	0.36	ND	1.29	3.78	0.05	0.23	27.00
8/13/2008	S8	3.58	6.98	5.29	23.40	1,000	200	2.02	0.35	ND	1.39	3.86	ND	0.17	24.00
8/28/2008	S8	1.96	7.15	4.68	22.50	ND	ND	1.09	0.37	ND	1.79	3.35	0.06	0.18	20.80
9/11/2008	S8	4.38	7.18	6.87	21.40	4,400	8,000	1.01	0.19	ND	1.40	2.70	ND	0.13	18.00
9/26/2008	S8	2.24	7.01	6.54	17.50	ND	ND	1.92	0.23	0.04	2.64	4.83	ND	0.14	21.30
10/9/2008	S8	2.26	7.14	6.88	18.60	700	400	1.06	0.15	ND	2.91	4.22	ND	0.10	14.50
10/31/2008	S8	3.62	6.97	9.57	8.60	400	100	1.28	0.50	0.03	2.91	4.72	ND	0.07	7.60
11/19/2008	S8	4.98	7.92	12.60	2.00	1,100	900	ND	0.20	ND	3.14	3.94	ND	0.09	7.20
11/25/2008	S8	19.85	7.38	11.60	6.00	12,000	18,000	1.26	0.30	0.05	3.60	5.21	0.09	0.70	28.80
12/5/2008	S8	6.52	7.24	12.80	3.80	800	300	1.18	0.14	0.03	4.46	5.81	ND	0.08	11.50
12/17/2008	S8	50.32	6.71	12.47	5.70	24,000	5,400	1.32	0.21	0.07	2.17	3.77	0.19	0.40	56.00
1/22/2009	S8	7.16	7.59	12.39	3.80	100	200	1.05	0.20	ND	6.27	7.62	ND	0.07	11.60
1/30/2009	S8	8.38	6.35	12.95	0.90	ND	1,000	2.54	0.46	0.03	4.10	7.13	ND	0.20	14.00
2/19/2009	S8	8.05	7.29	11.70	5.80	100	ND	1.02	0.20	0.03	4.75	6.00	ND	0.06	8.50
2/26/2009	S8	6.77	6.29	11.59	8.70	100	ND	2.21	0.36	0.04	5.03	7.64	ND	0.09	12.40
3/13/2009	S8	6.51	7.64	12.24	5.00	800	500	1.67	0.39	0.05	2.50	4.61	ND	0.12	19.50
3/24/2009	S8	5.07	7.42	12.23	5.10	600	100	1.88	0.55	ND	4.28	6.81	ND	0.15	18.40
4/8/2009	S8	10.16	7.07	10.61	10.80	300	200	1.28	0.15	0.03	3.26	4.72	ND	0.13	22.70
4/23/2009	S8	17.28	6.93	9.49	13.40	900	1,000	ND	0.12	ND	2.72	3.44	ND	0.16	23.30
5/7/2009	S8	80.10	6.35	7.95	18.10	31,000	41,000	2.14	0.24	0.07	1.38	3.83	0.18	0.44	70.00
5/20/2009	S8	6.34	6.79	7.08	20.50	1,600	900	1.18	0.14	0.08	3.49	4.89	ND	0.12	26.80
6/3/2009	S8	5.53	6.83	5.48	23.10	1,100	1,400	1.17	0.21	2.36	2.88	6.62	ND	0.18	35.20
6/16/2009	S8	6.68	7.02	7.33	20.40	1,100	500	1.76	0.22	ND	2.88	4.96	0.04	0.16	28.00
6/17/2009	S8	6.49	7.31	7.63	19.20	1,000	1,400	1.01	0.22	0.06	3.24	4.53	ND	0.14	24.00
n*		64.00	64.00	64.00	64.00	64	58	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00
min*		1.60	6.29	2.91	0.20	10	5	0.50	0.05	0.01	0.25	1.70	0.01	0.05	2.50
mean*		8.60	7.02	7.97	17.16	520	424	1.30	0.24	0.11	3.00	4.65	0.04	0.16	22.95
max*		80.10	7.92	14.92	29.80	31,000	41,000	2.54	0.56	2.36	6.27	7.64	0.19	0.70	70.00
std. dev.*		11.40	0.31	3.11	8.56	5,915	7,894	0.49	0.14	0.31	1.34	1.27	0.03	0.11	13.53

"ND = not detected" indicates the concentration of the analytical tested was below the laboratory reporting limits

* = for the calculation of summary statistics of ND, half of the detection limit is applied

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		Flow Rate	pH	Dissolved Oxygen	Temperature	Fecal Coliform	E. coli	Total Kjeldahl Nitrogen	Ammonia Nitrogen as N	Nitrite-N	Nitrate-N	TN	Ortho Phosphate Dissolved	Total Phosphorus	TSS
Date	Station ID	cfs	S.U.	mg/L	deg C	col/100 ml	col/100 ml	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
6/8/2007	S9	10.16	6.80	6.51	23.70	ND		1.36	0.41	0.07	2.74	4.58	0.07	0.26	22.30
6/15/2007	S9	9.45	7.18	7.97	18.40	1,000		ND	ND	0.04	2.90	3.49	ND	0.16	26.30
6/20/2007	S9	9.02	6.57	6.60	22.70	11,000									
6/27/2007	S9	6.78	6.54	6.09	26.20	900									
6/28/2007	S9	9.10	6.59	6.13	27.50	1,000									
7/2/2007	S9	7.44	7.41	7.14	22.80	20		1.38	0.29	ND	2.38	4.15	0.06	0.19	19.00
7/6/2007	S9	28.62	6.73	7.45	25.80	600	ND								
7/11/2007	S9	5.98	6.53	5.55	29.30	600	600								
7/18/2007	S9	6.30	6.75	5.35	27.00	370	400	2.07	0.38	ND	0.89	3.44	0.08	0.35	32.00
7/25/2007	S9	4.14	6.64	5.97	25.40	ND	ND								
7/26/2007	S9	3.59	7.26	5.35	25.70	300	100								
8/1/2007	S9	7.45	7.28	5.72	28.20	ND	100	1.17	0.31	ND	1.32	2.90	0.11	0.33	10.30
8/10/2007	S9	5.49	6.77	5.47	25.90	500	ND								
8/16/2007	S9	3.56	7.15	5.36	27.10	100	ND	1.97	0.51	ND	0.86	3.44	0.08	0.24	31.70
8/22/2007	S9	16.18	6.98	7.96	17.70	3,000	4,900								
8/29/2007	S9	3.36	6.98	6.26	24.30	1,900	3,600								
9/13/2007	S9	4.47	7.65	6.89	22.30	300	1,400	ND	0.31	ND	1.94	2.85	0.06	0.16	18.30
9/26/2007	S9	2.72	7.24	6.24	23.20	1,200	500	ND	0.16	0.08	1.87	2.61	ND	0.17	36.30
10/10/2007	S9	26.00	6.57	6.06	21.40	8,000	13,000	1.55	0.55	0.09	1.82	4.01	0.06	0.28	53.00
10/10/2007	S9	32.55	6.81	6.27	22.50	7,000	40,000	1.25	0.59	0.08	1.95	3.87	0.06	0.31	46.50
10/11/2007	S9	14.56	7.41	7.87	18.50	11,000	700	1.92	0.38	ND	1.52	3.92	0.11	0.36	41.30
10/24/2007	S9	4.31	7.34	6.55	19.80	2,500	2,000	1.53	0.40	ND	1.85	3.88	0.03	0.19	40.00
10/24/2007	S9	6.16	7.25	6.47	19.60	2,100	1,900	1.59	0.31	ND	1.87	3.87	ND	0.20	29.50
10/24/2007	S9	5.85	7.58	6.89	20.00	1,500	700	1.16	0.27	ND	1.84	3.37	0.03	0.21	25.50
11/7/2007	S9	8.69	7.72	9.70	8.80	1,200	1,100	1.40	0.29	ND	3.97	5.76	ND	0.15	32.00
12/12/2007	S9	9.36	6.67	10.38	10.20	2,700	2,000	ND	ND	ND	4.22	4.87	ND	0.11	20.70
12/20/2007	S9	16.08	6.93	11.90	3.90	60	90	ND	0.16	ND	4.47	5.23	ND	0.11	14.00
1/9/2008	S9	13.59	7.52	9.33	12.30	600	300	1.25	ND	0.03	4.09	5.42	ND	0.14	32.70
1/25/2008	S9	13.81	6.55	14.21	0.30	ND	ND	ND	0.13	ND	4.98	5.62	ND	0.07	12.00
2/8/2008	S9	17.20	6.66	12.53	6.30	ND	ND	ND	0.30	0.03	3.71	4.54	ND	0.13	12.00
2/27/2008	S9	16.69	6.93	11.92	4.60	100	300	1.50	ND	0.03	4.91	6.49	ND	0.11	12.00
3/6/2008	S9	22.71	7.06	11.32	8.40	200	ND	1.74	0.25	0.04	3.68	5.71	ND	0.20	32.00
3/13/2008	S9	15.12	6.81	10.83	7.40	200	100	ND	0.18	ND	3.76	4.54	ND	0.10	13.30
4/11/2008	S9	15.69	6.69	8.63	17.40	1,000	400	1.01	0.23	0.03	3.14	4.41	ND	0.23	42.80
4/24/2008	S9	8.82	6.40	7.88	19.40	700	3,000	1.52	0.27	ND	2.68	4.57	0.05	0.23	40.40
5/7/2008	S9	8.87	7.04	7.58	20.20	600	1,000	1.69	0.53	ND	2.54	4.86	ND	0.24	33.00
5/28/2008	S9	16.83	6.74	8.30	18.10	6,000	28,000	1.58	0.31	0.09	2.75	4.73	0.07	0.30	38.70
6/12/2008	S9	7.18	7.17	6.28	26.50	11,000	21,000	2.17	0.72	0.09	1.19	4.17	0.17	0.49	26.00
6/27/2008	S9	4.90	7.12	6.00	27.20	400	800	1.61	0.60	ND	0.68	2.90	0.01	0.17	21.20
7/11/2008	S9	3.76	7.22	6.37	25.80	22,000	18,000	2.36	0.60	0.12	0.56	3.64	ND	0.40	17.00
7/30/2008	S9	7.32	6.94	5.92	26.00	3,500	7,000	2.51	0.67	ND	0.79	4.07	0.10	0.46	32.50
8/13/2008	S9	7.48	7.09	6.23	22.90	2,400	3,000	1.88	0.60	ND	1.12	3.70	0.09	0.30	29.00
8/28/2008	S9	3.99	7.15	6.13	23.90	200	1,000	2.24	0.79	ND	1.09	4.22	0.11	0.31	26.40
9/11/2008	S9	6.80	7.11	6.87	21.90	5,000	3,000	1.35	0.46	ND	1.10	3.01	0.07	0.24	34.00
9/26/2008	S9	3.96	7.14	7.86	17.10	900	500	1.94	0.53	ND	1.95	4.43	ND	0.19	24.70
10/9/2008	S9	6.19	7.15	6.67	19.60	4,200	1,700	1.46	0.45	ND	2.57	4.58	ND	0.17	27.00
10/31/2008	S9	5.52	6.86	8.10	10.40	1,800	700	1.47	0.19	0.04	2.45	4.15	ND	0.16	32.40
11/19/2008	S9	8.41	8.03	11.56	3.10	300	600	1.11	0.22	2.89	0.10	4.32	ND	0.11	14.40
11/25/2008	S9	15.71	7.53	11.20	6.20	15,000	20,000	1.56	0.44	0.04	2.63	4.67	0.19	0.33	23.20
12/5/2008	S9	6.73	6.79	11.97	4.00	700	100	1.05	0.24	0.04	4.16	5.49	0.03	0.18	44.00
12/17/2008	S9	87.45	6.22	11.89	5.60	18,000	8,000	1.53	0.05	0.07	2.39	4.04	0.21	0.49	70.00
1/22/2009	S9	11.40	7.43	12.28	1.40	1,400	1,700	1.45	0.41	ND	6.04	8.00	ND	0.15	23.20
1/30/2009	S9	21.35	6.21	12.74	0.40	200	400	2.20	0.45	0.04	3.96	6.65	ND	0.22	20.00
2/19/2009	S9	19.43	6.92	10.47	5.80	ND	100	1.66	0.48	0.07	4.53	6.74	ND	0.19	30.00
2/26/2009	S9	9.94	6.35	11.23	8.70	100	ND	1.88	0.46	0.04	4.99	7.37	ND	0.09	12.00
3/13/2009	S9	13.01	7.11	11.35	5.10	1,300	1,400	1.38	0.47	0.07	2.50	4.42	ND	0.17	18.00
3/24/2009	S9	9.71	7.08	11.88	4.00	ND	100	1.79	0.54	ND	3.68	6.11	ND	0.16	13.60
4/8/2009	S9	16.66	7.16	10.85	9.50	500	500	1.29	0.19	0.04	2.54	4.06	ND	0.15	22.70
4/23/2009	S9	28.75	6.89	10.04	13.50	1,300	1,400	ND	0.19	ND	2.41	3.20	0.07	0.21	32.00
5/7/2009	S9	130.00	6.39	7.95	18.10	6,000	6,000	2.21	0.31	0.08	1.19	3.79	0.25	0.66	89.50
5/20/2009	S9	10.59	6.73	8.28	21.10	2,700	1,600	1.31	0.28	0.09	2.76	4.44	0.07	0.22	24.00
6/3/2009	S9	9.52	6.78	6.59	24.30	2,800	4,300	1.32	0.55	ND	1.37	3.34	0.09	0.33	36.40
6/16/2009	S9	12.28	7.01	7.80	21.50	3,400	2,800	1.78	0.37	ND	2.35	4.60	0.10	0.29	47.30
6/17/2009	S9	11.43	7.37	7.98	19.70	2,400	2,200	1.35	0.38	0.07	2.28	4.08	0.10	0.23	34.00
n*		64.00	64.00	64.00	64.00	64	58	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00
min*		2.72	6.21	5.35	0.30	5	5	0.50	0.05	0.01	0.10	2.61	0.01	0.07	10.30
mean*		14.00	6.98	8.30	17.12	806	791	1.43	0.36	0.13	2.56	4.47	0.06	0.23	29.48
max*		130.00	8.03	14.21	29.30	22,000	40,000	2.51	0.79	2.89	6.04	8.00	0.25	0.66	89.50
std. dev.*		18.79	0.37	2.40	8.57	4,441	7,496	0.53	0.18	0.38	1.34	1.15	0.05	0.11	14.45

"ND = not detected" indicates the concentration of the analytical tested was below the laboratory reporting limits

* = for the calculation of summary statistics of ND, half of the detection limit is applied

Upper Salem River Watershed Restoration & Protection Plan DATA REPORT

		Flow Rate	pH	Dissolved Oxygen	Temperature	Fecal Coliform	E. coli	Total Kjeldahl Nitrogen	Ammonia Nitrogen as N	Nitrite-N	Nitrate-N	TN	Ortho Phosphate Dissolved	Total Phosphorus	TSS
Date	Station ID	cfs	S.U.	mg/L	deg C	col/100 ml	col/100 ml	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
6/8/2007	S10	12.00	7.51	7.07	25.70	800		1.37	0.24	0.08	1.99	3.68	0.05	0.23	16.30
6/15/2007	S10	10.00	7.18	9.29	18.90	30		ND	0.50	0.06	1.63	2.24	ND	0.18	27.70
6/20/2007	S10	7.00	6.55	8.45	24.30	180									
6/27/2007	S10	7.00	6.19	6.17	26.40	40									
6/28/2007	S10	7.00	7.16	6.97	29.20	160									
7/2/2007	S10	5.40	7.63	7.53	22.60	20		1.56	0.16	ND	0.89	2.71	0.06	0.23	20.00
7/6/2007	S10	23.00	6.92	7.70	26.00	100	80								
7/11/2007	S10	5.40	6.38	6.90	27.90	70	80								
7/18/2007	S10	2.10	6.83	5.77	26.10	100	120	1.76	0.14	ND	ND	2.25	0.08	0.31	28.00
7/25/2007	S10	2.10	6.78	5.21	26.90	3,800	4,500								
7/26/2007	S10	2.10	7.26	5.35	25.70	200	100								
8/1/2007	S10	5.40	6.88	6.45	26.40	100	ND	1.48	0.25	ND	ND	2.08	0.07	0.26	31.70
8/10/2007	S10	4.10	6.94	5.51	27.70	600	ND								
8/16/2007	S10	1.30	7.54	5.43	28.10	50	ND	1.65	0.16	ND	ND	2.16	0.06	0.25	20.50
8/22/2007	S10	14.00	7.10	8.29	17.30	600	600								
8/29/2007	S10	3.00	8.03	7.56	26.00	400	300								
9/13/2007	S10	2.90	7.94	7.60	23.60	100	100	ND	0.69	ND	ND	1.54	0.02	0.13	20.70
9/26/2007	S10	2.10	7.89	7.48	24.90	50	ND	ND	0.15	0.07	0.63	1.35	0.01	0.13	17.30
10/10/2007	S10	21.00	7.36	7.07	22.90	1,200	800	1.23	0.13	0.06	0.54	1.96	ND	0.15	14.00
10/10/2007	S10	21.00	7.37	6.67	23.30	500	ND	1.07	0.14	0.08	0.72	2.01	ND	0.11	15.70
10/11/2007	S10	12.00	7.92	8.37	19.60	300	ND	1.79	0.35	ND	1.31	3.55	ND	0.15	26.00
10/24/2007	S10	7.00	7.64	6.64	20.20	200	500	1.19	0.11	ND	1.22	2.62	0.01	0.09	12.50
10/24/2007	S10	8.80	8.31	6.97	20.00	400	100	1.42	0.15	ND	1.14	2.81	0.01	0.13	27.00
10/24/2007	S10	7.00	8.60	7.70	20.60	200	ND	1.47	0.13	ND	1.14	2.84	ND	0.15	22.00
11/7/2007	S10	8.80	8.03	10.54	10.20	800	200	1.11	0.38	ND	2.54	4.13	ND	0.11	17.00
12/12/2007	S10	8.80	6.27	10.58	9.90	100	200	ND	ND	ND	3.67	4.32	ND	0.10	11.00
12/20/2007	S10	8.80	6.30	11.82	6.70	570	600	ND	0.20	ND	3.61	4.41	ND	0.13	13.30
1/9/2008	S10	8.80	7.34	9.82	12.10	ND	400	ND	0.25	0.03	4.32	5.10	ND	0.13	13.30
1/25/2008	S10	8.80	6.18	12.49	6.20	ND	ND	ND	0.10	ND	4.85	5.46	ND	0.08	9.00
2/8/2008	S10	12.00	6.27	11.61	8.40	ND	ND	ND	ND	0.04	4.37	4.96	ND	0.16	28.00
2/27/2008	S10	16.00	7.09	12.42	4.60	ND	ND	1.70	ND	ND	4.26	6.02	0.07	0.17	18.00
3/6/2008	S10	21.00	7.13	11.15	8.80	800	200	1.46	0.26	0.05	3.69	5.46	ND	0.25	40.00
3/13/2008	S10	14.00	6.72	9.98	10.80	200	ND	1.01	0.20	ND	3.03	4.34	0.08	0.20	21.30
4/11/2008	S10	12.00	6.65	9.87	17.60	ND	ND	ND	ND	0.03	2.86	3.44	ND	0.13	19.60
4/24/2008	S10	7.00	7.82	9.22	21.40	ND	ND	1.23	ND	ND	1.38	2.76	ND	0.14	20.00
5/7/2008	S10	5.40	7.43	8.52	22.90	ND	ND	1.01	ND	ND	1.47	2.63	ND	0.15	19.00
5/28/2008	S10	12.00	6.81	8.31	17.90	21,000	27,000	1.68	0.28	0.09	2.61	4.66	0.07	0.30	37.30
6/12/2008	S10	5.40	7.90	8.73	26.10	60,000	80,000	1.91	ND	0.04	ND	2.25	ND	0.20	12.00
6/27/2008	S10	3.00	7.16	7.74	26.60	100	1,000	1.09	0.23	ND	ND	1.58	ND	0.27	16.80
7/11/2008	S10	3.00	7.61	8.25	23.90	ND	ND	2.70	ND	ND	ND	3.01	ND	0.30	21.30
7/30/2008	S10	4.10	8.10	8.16	24.90	300	1,000	2.20	ND	ND	ND	2.60	ND	0.31	30.00
8/13/2008	S10	4.10	7.32	8.32	23.50	200	1,000	1.78	0.32	ND	0.80	3.00	ND	0.20	32.00
8/28/2008	S10	0.77	7.65	7.78	24.10	ND	ND	1.84	ND	ND	ND	2.24	ND	0.22	29.00
9/11/2008	S10	4.10	7.34	8.37	22.50	100	300	1.40	0.35	ND	0.50	2.35	ND	0.17	16.00
9/26/2008	S10	0.77	7.19	8.47	17.50	400	1,000	1.46	ND	ND	20.70	22.22	ND	0.18	26.70
10/9/2008	S10	4.10	8.42	9.64	18.10	100	ND	1.39	ND	ND	0.68	2.22	ND	0.14	20.00
10/31/2008	S10	4.10	7.05	10.67	8.20	2,100	800	ND	ND	0.04	1.95	2.54	ND	0.14	16.80
11/19/2008	S10	7.00	7.91	10.35	8.10	200	700	1.15	0.32	1.86	0.10	3.43	0.09	0.23	16.80
11/25/2008	S10	14.00	8.00	12.88	4.40	100	ND	1.18	0.36	0.05	2.77	4.36	0.04	0.12	8.80
12/5/2008	S10	7.00	6.39	10.57	8.10	600	400	1.30	0.28	0.05	2.83	4.46	ND	0.18	22.50
12/17/2008	S10	88.00	6.03	11.67	6.30	2,400	11,000	1.93	0.31	0.01	2.76	5.01	0.17	0.40	52.00
1/22/2009	S10	5.40	6.16	12.27	2.90	ND	100	1.31	0.38	ND	5.32	7.11	0.17	0.26	13.60
1/30/2009	S10	16.00	6.05	12.26	4.20	600	200	2.59	0.47	0.04	3.42	6.52	ND	0.51	11.30
2/19/2009	S10	14.00	6.76	10.21	9.10	ND	100	1.70	0.48	0.06	3.71	5.95	0.23	0.33	15.50
2/26/2009	S10	7.00	6.36	10.17	9.10	100	100	1.83	0.50	0.06	4.30	6.69	ND	0.13	13.20
3/13/2009	S10	8.80	6.90	11.04	8.10	ND	ND	1.79	0.40	0.07	2.50	4.76	ND	0.37	25.50
3/24/2009	S10	8.80	7.05	9.86	12.10	ND	ND	1.37	0.28	ND	3.19	4.94	0.17	0.34	24.80
4/8/2009	S10	16.00	6.81	9.45	12.00	400	100	1.72	0.21	0.05	2.40	4.38	0.22	0.39	34.00
4/23/2009	S10	26.00	6.59	9.66	12.10	1,700	2,200	1.06	0.20	ND	2.01	3.37	0.26	0.48	45.50
5/7/2009	S10	144.00	6.21	8.33	17.60	6,000	6,000	2.16	0.36	0.08	1.21	3.81	0.47	0.87	96.00
5/20/2009	S10	8.80	6.92	8.30	21.70	400	200	1.13	0.19	0.09	2.05	3.46	0.24	0.25	20.40
6/3/2009	S10	8.80	6.67	6.70	24.50	2,400	3,100	1.30	0.49	ND	1.39	3.28	0.09	0.31	37.20
6/16/2009	S10	10.00	6.84	8.53	21.80	900	500	2.40	0.34	ND	1.91	4.75	0.08	0.28	30.00
6/17/2009	S10	8.80	6.94	8.44	21.60	4,800	2,700	1.34	0.39	0.07	2.24	4.04	0.10	0.22	29.00
n*		64.00	64.00	64.00	64.00	64	58	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00
min*		0.77	6.03	5.21	2.90	20	50	0.05	0.05	0.01	0.10	1.35	0.01	0.08	8.80
mean*		12.00	7.13	8.77	18.08	243	241	1.35	0.23	0.14	2.28	4.00	0.07	0.23	23.76
max*		144.00	8.60	12.88	29.20	60,000	80,000	2.70	0.69	2.01	20.70	22.22	0.47	0.87	96.00
std. dev.*		20.27	0.64	1.96	7.79	7,891	11,043	0.57	0.15	0.36	2.94	2.90	0.08	0.13	13.57

"ND = not detected" indicates the concentration of the analytical tested was below the laboratory reporting limits

* = for the calculation of summary statistics of ND, half of the detection limit is applied