

Appendix C – Clear Creek and Standley Lake Water Quality Monitoring Data

Clear Creek and Standley Lake Water Quality Monitoring Data for 2011

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Table 1: Upper Basin Grab Sample Data							
Sample Date	Location ID	Carbon, Total Organic (mg/L)	Conductivity (Specific) (μ S/cm)	Nitrogen, Ammonia (Salicylate) (mg/L)	Nitrogen, Nitrate+Nitrite (mg/L)	Nitrogen, Total Nitrogen (mg/L)	Oxygen, Dissolved (mg/L)
02/07/11	CC 3A, Georgetown WWTP		539	13.8	0.07	16.4	6.4
02/07/11	CC 12A, Idaho Springs WWTP		372	2.6	0.53	5.9	5.2
02/07/11	CC 13B, BH/CC WWTP		1085	0.03	3.1	4.4	6.6
02/07/11	CC 15A, Eisenhower T. WWTP		1445	3.1	< 0.01	5	3.7
02/07/11	CC 26	2.7	354	0.03	0.67	0.9	8.3
02/07/11	CC 40	1.1	374	0.06	0.55	0.71	9.5
02/07/11	CC 50	1.7	826	0.01	0.63	0.74	7.5
02/07/11	CC 60	1.8	432	0.02	0.54	0.75	9.3
04/05/11	CC 7A, CCC WWTP		951	0.27	11.5	12.7	S 2.6
04/05/11	CC 12A, Idaho Springs WWTP		633	19.4	< 0.01	23.2	S 1
04/05/11	CC 13B, BH/CC WWTP		1092	0.15	3.3	4.5	5.2
04/05/11	CC 15A, Eisenhower T. WWTP		2523	3.9	< 0.01	4.2	S 1
04/05/11	CC 26		381	< 0.01	0.47	0.56	S 1.5
04/05/11	CC 40		442	0.07	0.37	0.55	S 3.1
04/05/11	CC 50		586	0.01	0.34	0.46	S 1
04/05/11	CC 60		433	0.02	0.32	0.57	S 1
05/25/11	CC Duplicate					0.42	
05/25/11	CC Spike					0.6	
05/26/11	CC 1A, Loveland WWTP		3270	0.02	2.9	4.5	7.6
05/26/11	CC 3A, Georgetown WWTP		438	0.02	3.7	7.8	9
05/26/11	CC 7A, CCC WWTP		837	0.54	9.4	12.7	8.2
05/26/11	CC 8A, St. Mary's WWTP		147	0.02	1.7	3.4	7.7
05/26/11	CC 12A, Idaho Springs WWTP		578	14.4	0.02	18.3	
05/26/11	CC 13B, BH/CC WWTP		1125	0.07	5.9	7.2	5.9
05/26/11	CC 15A, Eisenhower T. WWTP		4320	3.4	0.35	5.6	< 1
05/26/11	CC 05	4.9	187	< 0.01	0.12	0.3	8.3
05/26/11	CC 15		412	< 0.01	0.49	0.68	9
05/26/11	CC 20	2.5	279	< 0.01	0.26	0.44	8.9
05/26/11	CC 25		304	< 0.01	0.17	0.4	8.8
05/26/11	CC 26	2.7	187	< 0.01	0.21	0.4	8.2
05/26/11	CC 30		113	< 0.01	0.08	0.5	9.1
05/26/11	CC 34		176	< 0.01	0.19	0.4	9.8
05/26/11	CC 35	3.5	54	< 0.01	0.04	0.27	8.2
05/26/11	CC 40	3.1	270	< 0.01	0.18	0.41	9.1
05/26/11	CC 44		104	0.03	0.09	0.58	8.7
05/26/11	CC 45	4.4	169	< 0.01	0.13	0.41	8.4
05/26/11	CC 50	3.7	219	< 0.01	0.21	0.52	8.3
05/26/11	CC 52	3	187	< 0.01	0.11	0.35	8.6
05/26/11	CC 53	2.5	370	0.02	0.26	0.52	7.7
05/26/11	CC 60	3.5	256	0.01	0.19	0.46	8.7
06/15/11	CC 3A, Georgetown WWTP		360	0.05	2.8	4	6
06/15/11	CC 7A, CCC WWTP		648	0.24	3	4.6	4.4
06/15/11	CC 12A, Idaho Springs WWTP		457	12.6	0.04	16.3	6.1
06/15/11	CC 13B, BH/CC WWTP		914	0.1	3.9	5.1	4.8
06/15/11	CC 15A, Eisenhower T. WWTP		931	0.92	0.38	2.2	3.3
07/11/11	CC 13B, BH/CC WWTP		934	0.09	4.3	5.7	3.7
07/11/11	CC 15A, Eisenhower T. WWTP		387	0.02	0.68	1.8	4.1
08/16/11	CC 3A, Georgetown WWTP		346	3.5	3	8.2	5.1
08/16/11	CC 7A, CCC WWTP		812	0.02	15.6	17.9	4
08/16/11	CC 13B, BH/CC WWTP		885	0.09	3.2	4.8	5.2
08/16/11	CC 15A, Eisenhower T. WWTP		401	0.13	1.33	1.9	3.3
10/12/11	CC 1A, Loveland WWTP		378	0.08	4	6.3	9.2
10/12/11	CC 3A, Georgetown WWTP		1050	0.08	24.8	30.8	6.7
10/12/11	CC 7A, CCC WWTP		2040	0.11	8.9		7
10/12/11	CC 8A, St. Mary's WWTP		222	2.1	2.3	7.8	< 1
10/12/11	CC 12A, Idaho Springs WWTP		436	0.24	0.14		7.5
10/12/11	CC 13B, BH/CC WWTP		943	0.06	3.3	3.5	4.6
10/12/11	CC 05	< 1	108	< 0.01	0.2	0.32	S 5
10/12/11	CC 10		96	< 0.01	0.11	0.17	S 2.7
10/12/11	CC 15		594	0.16	0.81	1.08	9.4

< indicates a value below the detection limit.

S indicates a suspect value.

Blank cell indicates no result.

Table 1: Upper Basin Grab Sample Data							
Sample Date	Location ID	Carbon, Total Organic	Conductivity (Specific)	Nitrogen, Ammonia (Salicylate)	Nitrogen, Nitrate+Nitrite	Nitrogen, Total Nitrogen	Oxygen, Dissolved
		(mg/L)	(µS/cm)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
10/12/11	CC 20	< 1	343	0.02	0.42	0.5	9.9
10/12/11	CC 25		108	< 0.01	0.15	0.34	7.5
10/12/11	CC 26	1.1	169	< 0.01	0.25	0.43	S 5.2
10/12/11	CC 30		43	0.03	0.07	0.3	11.9
10/12/11	CC 34		143	< 0.01	0.22	0.34	S 6
10/12/11	CC 35	1.9	59	< 0.01	0.06	0.21	S 5.8
10/12/11	CC 40	1.4	192	< 0.01	0.16	0.23	9.7
10/12/11	CC 44		102	< 0.01	< 0.01	0.11	9.4
10/12/11	CC 45	2.4	398	0.03	0.02	0.19	9
10/12/11	CC 50	2	505	< 0.01	0.18	0.38	8.8
10/12/11	CC 52	3	278	< 0.01	0.1	0.28	S 6.4
10/12/11	CC 53	1.8	665	0.02	0.19	0.41	S 3.1
10/12/11	CC 60	< 1	219	< 0.01	0.15	0.28	9.7
10/12/11	CC Duplicate					0.1	
10/12/11	CC Spike					0.24	
10/12/11	CC Spike						
12/01/11	CC 3A, Georgetown WWTP		S 176	0.16	7.7	9	12.4
12/01/11	CC 7A, CCC WWTP		S 89	0.06	28	32.6	10.4
12/01/11	CC 13B, BH/CC WWTP		S 102	0.05	2.3	3.1	10.8
12/05/11	CC 15A, Eisenhower T. WWTP		S 128	1.2	3.2	5.1	9.8
12/05/11	CC 26	< 1	151	0.02	0.45	0.64	10.4
12/05/11	CC 40	< 1	186	0.01	0.45	0.45	12.2
12/05/11	CC 50	1.1	S 89	0.02	0.58		12.3
12/05/11	CC 60	< 1	S 49	0.01	0.47	0.71	11.6

< indicates a value below the detection limit.
 S indicates a suspect value.
 Blank cell indicates no result.

Table 1: Upper Basin Grab Sample Data							
Sample Date	Location ID	pH	Phosphorus, Dissolved	Phosphorus, Total	Solids, Total Suspended	Temperature	Turbidity
		(su)	(mg/L)	(mg/L)	(mg/L)	(°C)	(NTU)
02/07/11	CC 3A, Georgetown WWTP	7.4	1.777	1.805		3.7	5.2
02/07/11	CC 12A, Idaho Springs WWTP	6.7	0.508	0.78	8	10	6.1
02/07/11	CC 13B, BH/CC WWTP	7.6	0.01	0.131	4	14.1	2.3
02/07/11	CC 15A, Eisenhower T. WWTP	6.6	0.351	1.676	16	10.1	19.7
02/07/11	CC 26	7	0.0034	0.0085	4	1.8	1.5
02/07/11	CC 40	6.7	0.01	0.016	< 1	1.6	1
02/07/11	CC 50	8.3	< 0.0025	0.017	20	3	41
02/07/11	CC 60	8	0.0052	0.0108	2	1.9	1.1
04/05/11	CC 7A, CCC WWTP	6.9	0.197	0.377	6	8.8	1.6
04/05/11	CC 12A, Idaho Springs WWTP	7.2	0.559	0.701	14	10.9	5.7
04/05/11	CC 13B, BH/CC WWTP	7.4	0.049	0.126	6	16.7	1.3
04/05/11	CC 15A, Eisenhower T. WWTP	6.8	0.212	0.626	9	11.3	3.2
04/05/11	CC 26	6.8	0.0055	0.0138	1	3	< 1
04/05/11	CC 40	s 5.7	0.0052	0.0143	3	3.6	< 1
04/05/11	CC 50	7.1	< 0.0025	0.0135	9	5.4	12.6
04/05/11	CC 60	7.2	< 0.0025	0.011	3	5.9	2.3
05/25/11	CC Duplicate						
05/25/11	CC Spike						
05/26/11	CC 1A, Loveland WWTP	7	0.0392	0.098	5	7.8	2.6
05/26/11	CC 3A, Georgetown WWTP	7.3	0.0279	0.162	3	7.1	1.6
05/26/11	CC 7A, CCC WWTP	7.2	0.32	0.759	18	12.7	5.2
05/26/11	CC 8A, St. Mary's WWTP	6.4	0.122	0.446	21		9.9
05/26/11	CC 12A, Idaho Springs WWTP	7.6	0.1097	0.249	6	13.2	6.3
05/26/11	CC 13B, BH/CC WWTP	7.6	0.104	0.157	4	8.3	< 1
05/26/11	CC 15A, Eisenhower T. WWTP	6.6	0.162	0.249	11	11.7	8
05/26/11	CC 05	7.2	0.0036	0.0076	3	2.5	2.6
05/26/11	CC 15	7.1	0.0063	0.0098	1	4.3	4.1
05/26/11	CC 20	7.2	0.0041	0.0076	7	5	5.4
05/26/11	CC 25	7.2	0.0044	0.0127	1	7.6	4.6
05/26/11	CC 26	7.3	< 0.0025	0.009	1	6.2	2.8
05/26/11	CC 30	7.3	0.0036	0.0259	28	4.7	9.9
05/26/11	CC 34	9	0.0049	0.011	9	7.1	6.1
05/26/11	CC 35	8.7	0.0077	0.0166	5	5.6	12.4
05/26/11	CC 40	7.3	0.0047	S 0.144	12	6.9	7.4
05/26/11	CC 44	7.4	0.0065	0.02	12	5	10.2
05/26/11	CC 45	7.1	0.0075	0.0227	17	6.5	11.8
05/26/11	CC 50	7.3	0.0139	0.034	26	8.8	21.6
05/26/11	CC 52	9	0.0052	0.0139	12	9.6	13.2
05/26/11	CC 53	8.6	0.0044	0.0149	13	11.4	14.9
05/26/11	CC 60	7.8	0.0039	0.0186	19	10.2	11.5
06/15/11	CC 3A, Georgetown WWTP	7	0.037	0.109	6	8.7	3.2
06/15/11	CC 7A, CCC WWTP	6.7	0.353	0.522	8	15.5	2.6
06/15/11	CC 12A, Idaho Springs WWTP	7.4	1.019	1.163	15	15	5.5
06/15/11	CC 13B, BH/CC WWTP	7	0.064	0.114	4	19.6	5.8
06/15/11	CC 15A, Eisenhower T. WWTP	7	0.131	0.188	4	12.2	< 1
07/11/11	CC 13B, BH/CC WWTP	7.4	0.124	0.176	5	22.8	1
07/11/11	CC 15A, Eisenhower T. WWTP	7.2	0.069	0.093	5	13.1	< 1
08/16/11	CC 3A, Georgetown WWTP	6.6	0.155	0.319	8	18.4	2.3
08/16/11	CC 7A, CCC WWTP	7.5	0.0066	0.127	5	14	< 1
08/16/11	CC 13B, BH/CC WWTP	7.5	0.145	0.176	4	22.1	< 1
08/16/11	CC 15A, Eisenhower T. WWTP	6.8	0.136	0.14	2	11.4	< 1
10/12/11	CC 1A, Loveland WWTP	7.1	0.0421	0.076	2	12	< 1
10/12/11	CC 3A, Georgetown WWTP	7.2	1.812	2.06	< 1	10	4.7
10/12/11	CC 7A, CCC WWTP	7.2	0.435	0.565	4	12.8	5.6
10/12/11	CC 8A, St. Mary's WWTP	6.7	0.073	0.333	3	11	8.7
10/12/11	CC 12A, Idaho Springs WWTP	7.1	0.828	0.982	1		4.2
10/12/11	CC 13B, BH/CC WWTP	7.2	0.063	0.108	1		1.2
10/12/11	CC 05	7.9	< 0.0025	0.0058	< 1	2.6	3.8
10/12/11	CC 10	8	0.0028	0.0038	< 1	5.6	1.8
10/12/11	CC 15	7.7	0.0027	0.0058	< 1	2.6	< 1

< indicates a value below the detection limit.

S indicates a suspect value.

Blank cell indicates no result.

Table 1: Upper Basin Grab Sample Data							
Sample Date	Location ID	pH	Phosphorus, Dissolved	Phosphorus, Total	Solids, Total Suspended	Temperature	Turbidity
		(su)	(mg/L)	(mg/L)	(mg/L)	(°C)	(NTU)
10/12/11	CC 20	7.7	0.0042	0.005	2	2.6	1.2
10/12/11	CC 25	8.5	0.0039	0.0063	< 1	5.7	2.4
10/12/11	CC 26	7.7	0.0036	0.0058	< 1	3.8	2.3
10/12/11	CC 30	7.6	0.0039	0.0095	< 1	3.8	4.1
10/12/11	CC 34	7.4	0.0035	0.0063	< 1	5.4	3.1
10/12/11	CC 35	8	0.0042	0.0082	< 1	3.4	1.8
10/12/11	CC 40	7.8	0.0039	0.0087	< 1	4.7	1.5
10/12/11	CC 44	7.7	0.0047	0.0075	< 1	4.1	1.9
10/12/11	CC 45	6.8	0.0063	0.0102	29	5.8	35.7
10/12/11	CC 50	7	0.0039	0.0223	17	9.1	43.2
10/12/11	CC 52	8.1	0.0082	0.0248	4	6.9	6
10/12/11	CC 53	8.1	0.0044	0.0141	< 1	8.2	3.1
10/12/11	CC 60	7.6	0.0031	0.0171	< 1	7.4	1.6
10/12/11	CC Duplicate			0.0054			
10/12/11	CC Spike						
10/12/11	CC Spike			0.169			
12/01/11	CC 3A, Georgetown WWTP	7.3	0.0339	0.109	7	< 1	1.8
12/01/11	CC 7A, CCC WWTP	7.2	1.449	1.843	16	< 1	4.2
12/01/11	CC 13B, BH/CC WWTP	7.2	0.0161	0.066	6	< 1	2.9
12/05/11	CC 15A, Eisenhower T. WWTP	7.3	0.419	0.434	7	2	1.1
12/05/11	CC 26	7.1	< 0.0025	0.0044	5	< 1	1.9
12/05/11	CC 40	7.4	0.0037	0.0078	4	< 1	4.8
12/05/11	CC 50	7.2	0.0026	0.0054	9	< 1	10.1
12/05/11	CC 60	7.2	< 0.0025	0.0051	4	< 1	1.3

< indicates a value below the detection limit.
S indicates a suspect value.
Blank cell indicates no result.

Table 2: Upper Basin Auto-Sampler Data										
Sample Date	Location ID	Arsenic, Dissolved ICP/MS	Arsenic, Total, ICP/MS	Cadmium, Dissolved	Cadmium, Total	Carbon, Total Organic	Chromium, Dissolved, ICP/MS	Chromium, Total, ICP/MS	Conductivity (Specific)	Copper, Dissolved
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(µS/cm)	(mg/L)
04/18/11	CC AS 50 Event	< 0.015	< 0.015	0.001	0.0012	4.1			436	0.007
04/23/11	CC AS 26	< 0.015	< 0.015	< 0.001	< 0.001	1.6			381	0.007
04/23/11	CC AS 49	< 0.015	< 0.015	< 0.001	< 0.001	1.6			393	0.006
04/23/11	CC AS 50	< 0.015	< 0.015	0.001	0.002	2			409	0.006
04/24/11	CC AS 26	< 0.015	< 0.015	< 0.001	< 0.001	1.7			389	< 0.006
04/24/11	CC AS 49	< 0.015	< 0.015	< 0.001	< 0.001	1.5			395	< 0.006
04/24/11	CC AS 50	< 0.015		< 0.001		1.9			405	0.006
04/24/11	CC AS 59	< 0.015	< 0.015	< 0.001	< 0.001	1.9			393	< 0.006
04/25/11	CC AS 59	< 0.015	< 0.015	< 0.001	< 0.001	1.5			382	< 0.006
05/18/11	CC AS 50 Event	< 0.015	0.016	< 0.001	0.009	4.7			231	0.007
05/30/11	CC AS 26	< 0.015	< 0.015	< 0.001	< 0.001	3.9			233	0.009
05/31/11	CC AS 26	< 0.015	< 0.015	< 0.001	< 0.001	4			181	0.009
05/31/11	CC AS 49	< 0.015	< 0.015	< 0.001	0.002	3.9			220	0.008
05/31/11	CC AS 50	< 0.015	< 0.015	< 0.001	0.003	3.9			145	0.012
05/31/11	CC AS 59	< 0.015	< 0.015	< 0.001	0.002	3.8			208	0.008
06/01/11	CC AS 49	< 0.015	< 0.015	< 0.001	0.001	4			198	0.009
06/01/11	CC AS 50	< 0.015	< 0.015	< 0.001	0.003	3.6			135	0.009
06/01/11	CC AS 59	< 0.015	< 0.015	< 0.001	0.002	4.1			189	0.013
06/26/11	CC AS 26	< 0.015	0.025	< 0.001	< 0.001	2.7			90	0.007
06/26/11	CC AS 49	0.015	0.016	< 0.001	< 0.001	2.4			116	< 0.006
06/26/11	CC AS 50	< 0.015	0.015	< 0.001	< 0.001	2.9			107	0.013
06/26/11	CC AS 59	0.02	0.027	< 0.001	< 0.001	3			91	< 0.006
06/27/11	CC AS 26	< 0.015	< 0.015	< 0.001	0.003	2.6			87	< 0.006
06/27/11	CC AS 49		< 0.015	< 0.001	< 0.001	2.6			85	< 0.006
06/27/11	CC AS 50	< 0.015	0.016	< 0.001	< 0.001	2.9			110	0.013
06/27/11	CC AS 59	< 0.015	< 0.015	< 0.001	< 0.001	2.7			87	< 0.006
07/07/11	CC AS 50 Event	< 0.015	0.03	0.002	0.01	4			197	0.014
07/08/11	CC AS 49 Event	< 0.015	< 0.015	< 0.001	0.003	2.9			89	< 0.006
07/09/11	CC AS 50 Event	< 0.015	< 0.015	0.008	0.012	2.9			230	0.02
07/11/11	CC AS 49 Event	< 0.015	< 0.015	< 0.001	0.001	3.2			79	0.006
07/11/11	CC AS 50 Event	< 0.015	< 0.015	< 0.001	0.006	4.5			144	0.012
07/13/11	CC AS 50 Event	< 0.015	0.027	< 0.001	0.027	4.4			180	0.009
07/14/11	CC AS 49 Event	< 0.015	< 0.015	< 0.001	0.004	2.3			92	< 0.006
07/24/11	CC AS 26			< 0.001	< 0.001	1.6			102	< 0.006
07/24/11	CC AS 49			< 0.001	< 0.001	1.6				< 0.006
07/24/11	CC AS 50			< 0.001	< 0.001	2.4				0.007
07/24/11	CC AS 59			< 0.001	< 0.001	2.2			102	< 0.006
07/25/11	CC AS 26			< 0.01	< 0.01	1.5			98	0.007
07/25/11	CC AS 49			< 0.001	< 0.001	1.9				< 0.006
07/25/11	CC AS 50			< 0.001	0.001	2.1				0.007
07/25/11	CC AS 59			< 0.001	< 0.001	1.5			104	< 0.006
07/26/11	CC AS 49 Event	< 0.015	0.016	< 0.001	0.004	1.9			147	< 0.006
07/26/11	CC AS 50 Event	< 0.015	< 0.015	< 0.001	0.01	2.1			221	0.007
07/27/11	CC AS 49 Event	0.017	0.026	< 0.001	0.003	1.3			130	< 0.006
07/27/11	CC AS 50 Event	< 0.015	0.28	0.0019	0.06	6.8			329	0.012
08/03/11	CC AS 49 Event	< 0.015	< 0.015	< 0.001	0.002	1.6			130	< 0.006
08/28/11	CC AS 26	< 0.015	< 0.015	< 0.001	< 0.001	1.4			263	0.007
08/29/11	CC AS 26	< 0.015	< 0.015	< 0.001	< 0.001	1.2			186	0.007
08/29/11	CC AS 49	< 0.015	< 0.015	< 0.001	< 0.001	1.5			176	< 0.006
08/29/11	CC AS 50	< 0.015	< 0.015	< 0.001	< 0.001	2			457	0.006
08/29/11	CC AS 59	< 0.015	< 0.015	< 0.001	< 0.001	1.8			166	< 0.006
08/30/11	CC AS 49	< 0.015	< 0.015	< 0.001	< 0.001	1.2			172	< 0.006

< indicates a value below the detection limit.
 S indicates a suspect value.
 Blank cell indicates no result.

Table 2: Upper Basin Auto-Sampler Data

Sample Date	Location ID	Arsenic, Dissolved ICP/MS (mg/L)	Arsenic, Total, ICP/MS (mg/L)	Cadmium, Dissolved (mg/L)	Cadmium, Total (mg/L)	Carbon, Total Organic (mg/L)	Chromium, Dissolved, ICP/MS (mg/L)	Chromium, Total, ICP/MS (mg/L)	Conductivity (Specific) (µS/cm)	Copper, Dissolved (mg/L)
08/30/11	CC AS 50	< 0.015	< 0.015	0.001	0.002	1.8			445	0.006
08/30/11	CC AS 59	< 0.015	< 0.015	< 0.001	< 0.001	1.5			169	< 0.006
09/07/11	CC AS 59 Event	< 0.015	0.024	0.001	0.004	1.4			185	< 0.006
09/27/11	CC AS 26	< 0.015	< 0.015	< 0.001	< 0.001	1.2	< 0.0018	< 0.0018	270	0.0065
09/27/11	CC AS 49	< 0.015	< 0.015	< 0.001	< 0.001	1	< 0.0018	< 0.0018	223	< 0.006
09/27/11	CC AS 50	< 0.015	< 0.015	0.0014	0.002	1.9	< 0.0018	< 0.0018	568	0.007
09/28/11	CC AS 26	< 0.015	< 0.015	< 0.001	< 0.001	1.6	< 0.0018	< 0.0018	140	< 0.006
09/28/11	CC AS 49	< 0.015	< 0.015	< 0.001	< 0.001	1.2	< 0.0018	< 0.0018	194	< 0.006
09/28/11	CC AS 50	0.015	0.015	0.0014	0.002	1.7	< 0.0018	< 0.0018	576	0.0075
09/28/11	CC AS 59	< 0.015	< 0.015	< 0.001	< 0.001	1.6	< 0.0018	< 0.0018	201	< 0.006
09/29/11	CC AS 59	< 0.015	< 0.015	< 0.001	< 0.001	1	< 0.0018	< 0.0018	208	< 0.006
10/22/11	CC AS 26	< 0.015	< 0.015	< 0.001	< 0.001	1.3	< 0.0018	< 0.0018	260	< 0.006
10/22/11	CC AS 49	< 0.015	< 0.015	< 0.001	< 0.001	1.4	< 0.0018	< 0.0018	221	< 0.006
10/22/11	CC AS 50	< 0.015	< 0.015	< 0.001	0.0015	2.5	< 0.0018	< 0.0018	600	0.006
10/23/11	CC AS 26	< 0.015	< 0.015	< 0.001	< 0.001	2.4	< 0.0018	< 0.0018	228	< 0.006
10/23/11	CC AS 49	< 0.015	< 0.015	< 0.001	< 0.001	1	< 0.0018	< 0.0018	224	< 0.006
10/23/11	CC AS 50	< 0.015	< 0.015	< 0.001	0.0016	2	< 0.0018	< 0.0018	608	0.006
10/23/11	CC AS 59	< 0.015	< 0.015	< 0.001	< 0.001	1.4	< 0.0018	< 0.0018	240	< 0.006
10/24/11	CC AS 59	< 0.015	< 0.015	< 0.001	< 0.001	1	< 0.0018	< 0.0018	246	< 0.006

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 S indicates a suspect value.
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Table 2: Upper Basin Auto-Sampler Data

Sample Date	Location ID	Copper, Total (mg/L)	Iron, Dissolved (mg/L)	Iron, Total (mg/L)	Lead, Dissolved (mg/L)	Lead, Total (mg/L)	Manganese, Dissolved (mg/L)	Manganese, Total (mg/L)	Nitrate, IC (mg/L)	Nitrogen, Ammonia (Salicylate) (mg/L)	Nitrogen, Nitrate+Nitrite (mg/L)
04/18/11	CC AS 50 Event	0.3	0.024	25	< 0.01	0.13	0.76	1.6		0.02	0.35
04/23/11	CC AS 26	0.009	0.009	0.26	< 0.01	< 0.01	0.11	0.11		< 0.01	0.3
04/23/11	CC AS 49	0.009	0.005	0.15	< 0.01	< 0.01	0.16	0.19		0.05	0.23
04/23/11	CC AS 50	0.037	0.02	2.9	< 0.01	< 0.01	0.79	0.83		< 0.01	0.44
04/24/11	CC AS 26	0.008	0.007	0.11	< 0.01	< 0.01	0.11	0.12		0.01	0.3
04/24/11	CC AS 49	0.01	0.005	0.15	< 0.01	< 0.01	0.17	0.2		0.05	0.23
04/24/11	CC AS 50		0.019		< 0.01		0.79			< 0.01	0.45
04/24/11	CC AS 59	0.011	< 0.005	0.43	< 0.01	< 0.01	0.14	0.19		0.02	0.23
04/25/11	CC AS 59	0.011	< 0.005	0.47	< 0.01	< 0.01	0.15	0.2		0.02	0.26
05/18/11	CC AS 50 Event	0.225	0.24	22.5	< 0.01	0.14	0.38	1.06		0.04	0.24
05/30/11	CC AS 26	0.013	0.095	0.355	< 0.01	< 0.01	0.16	0.15		< 0.01	0.16
05/31/11	CC AS 26	0.013	0.085	0.38	< 0.01	< 0.01	0.18	0.18		0.01	0.17
05/31/11	CC AS 49	0.033	0.065	1.88	< 0.01	0.012	0.12	0.53		0.02	0.17
05/31/11	CC AS 50	0.067	0.3	6	< 0.01	0.031	0.22	0.63		< 0.01	0.14
05/31/11	CC AS 59	0.041	0.091	2.7	< 0.01	0.018	0.067	0.53		0.02	0.15
06/01/11	CC AS 49	0.021	0.073	0.94	< 0.01	< 0.01	0.17	0.3		0.03	0.15
06/01/11	CC AS 50	0.048	0.12	3.8	< 0.01	0.017	0.11	0.41		< 0.01	0.11
06/01/11	CC AS 59	0.031	0.35	1.8	< 0.01	0.011	0.24	0.34		0.01	0.14
06/26/11	CC AS 26	0.008	0.052	0.285	< 0.01	< 0.01	0.036	0.064		< 0.01	0.12
06/26/11	CC AS 49	0.01	0.046	1.15	< 0.01	< 0.01	0.036	0.23		< 0.01	0.11
06/26/11	CC AS 50	0.019	0.6	1.34	< 0.01	< 0.01	0.2	0.23		< 0.01	0.07
06/26/11	CC AS 59	0.014	0.092	1.58	< 0.01	< 0.01	0.042	0.27		< 0.01	0.11
06/27/11	CC AS 26	0.007	0.047	0.254	< 0.01	< 0.01	0.036	0.058		< 0.01	0.13
06/27/11	CC AS 49	0.012	0.05	1.21	< 0.01	< 0.01	0.038	0.25		< 0.01	0.11
06/27/11	CC AS 50	0.021	0.65	1.3	< 0.01	< 0.01	0.21	0.23		< 0.01	0.08
06/27/11	CC AS 59	0.01	0.087	1.15	< 0.01	< 0.01	0.052	0.22		< 0.01	0.11
07/07/11	CC AS 50 Event	0.4	0.37	30.3	< 0.01	0.29	0.34	1.17		< 0.01	0.18
07/08/11	CC AS 49 Event	0.051	0.069	9.8	< 0.01	0.094	0.01	0.85		< 0.01	0.12
07/09/11	CC AS 50 Event	0.33	0.22	15	< 0.01	0.22	1.36	1.5		< 0.01	0.16
07/11/11	CC AS 49 Event	0.017	0.093	8.9	< 0.01	0.012	0.04	0.21		< 0.01	0.12
07/11/11	CC AS 50 Event	0.15	0.33	20.2	< 0.01	0.1	0.33	0.9		< 0.01	0.1
07/13/11	CC AS 50 Event	0.36	0.74	126.4	< 0.01	0.086	0.032	4		< 0.01	0.13
07/14/11	CC AS 49 Event	0.11	0.14	18.9	< 0.01	0.29	0.014	1.1		< 0.01	0.11
07/24/11	CC AS 26	0.008	0.016	0.135	< 0.01	< 0.01	0.011	0.07		< 0.01	0.12
07/24/11	CC AS 49	< 0.006	0.031	0.32	< 0.01	< 0.01	0.03	0.08		< 0.01	0.1
07/24/11	CC AS 50	0.024	0.19	1.9	< 0.01	< 0.01	0.45	0.45		< 0.01	0.15
07/24/11	CC AS 59	0.008	0.05	1.2	< 0.01	< 0.01	0.025	0.13		0.02	0.09
07/25/11	CC AS 26	0.01	0.013	0.16	< 0.01	< 0.01	0.006	0.07		< 0.01	0.12
07/25/11	CC AS 49	< 0.006	0.033	0.26	< 0.01	< 0.01	0.04	0.077		< 0.01	0.11
07/25/11	CC AS 50	0.023	0.12	1.75	< 0.01	< 0.01	0.42	0.51		< 0.01	0.17
07/25/11	CC AS 59	0.006	0.04	0.44	< 0.01	< 0.01	0.01	0.092		< 0.01	0.11
07/26/11	CC AS 49 Event	0.05	0.11	24.7	< 0.01	0.022	0.02	0.59		< 0.01	0.14
07/26/11	CC AS 50 Event	0.18	0.075	53.3	< 0.01	0.07	0.13	1.63		< 0.01	0.24
07/27/11	CC AS 49 Event	0.076	0.05	11.4	< 0.01	0.3	0.15	0.41		< 0.01	0.11
07/27/11	CC AS 50 Event	2.4	0.026	148.5	< 0.01	3.6	1.4	5.2		0.06	0.39
08/03/11	CC AS 49 Event	0.039	0.048	8.9	< 0.01	0.062	0.046	0.33		< 0.01	0.12
08/28/11	CC AS 26	0.009	0.042	0.11	< 0.01	< 0.01	0.062	0.065		< 0.01	0.15
08/29/11	CC AS 26	0.009	0.044	0.13	0.01	0.01	0.062	0.07		< 0.01	0.15
08/29/11	CC AS 49	0.006	0.034	0.33	< 0.01	< 0.01	0.03	0.088		< 0.01	0.13
08/29/11	CC AS 50	0.036	0.011	3.64	< 0.01	< 0.01	1.15	1.18		< 0.01	0.53
08/29/11	CC AS 59	0.006	0.026	0.3	< 0.01	< 0.01	0.041	0.085		< 0.01	0.12
08/30/11	CC AS 49	< 0.006	0.035	0.21	< 0.01	< 0.01	0.055	0.081		< 0.01	0.13

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Table 2: Upper Basin Auto-Sampler Data											
Sample Date	Location ID	Copper, Total	Iron, Dissolved	Iron, Total	Lead, Dissolved	Lead, Total	Manganese, Dissolved	Manganese, Total	Nitrate, IC	Nitrogen, Ammonia (Salicylate)	Nitrogen, Nitrate+Nitrite
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
08/30/11	CC AS 50	0.04	0.011	3.5	< 0.01	< 0.01	1.22	1.22		< 0.01	0.39
08/30/11	CC AS 59	0.006	0.024	0.27	< 0.01	< 0.01	0.06	0.08		< 0.01	0.12
09/07/11	CC AS 59 Event	0.095	0.065	13.4	< 0.01	0.26	0.15	0.49	S 0.3	< 0.01	0.13
09/27/11	CC AS 26	0.0095	0.03	0.12	< 0.01	< 0.01	0.063	0.064		< 0.01	0.21
09/27/11	CC AS 49	< 0.006	0.02	0.164	< 0.01	< 0.01	0.06	0.074		< 0.01	0.14
09/27/11	CC AS 50	0.017	0.013	1.16	< 0.01	< 0.01	1.32	1.34		< 0.01	0.8
09/28/11	CC AS 26	0.008	0.028	0.123	< 0.01	< 0.01	0.065	0.068		< 0.01	0.21
09/28/11	CC AS 49	0.007	0.019	0.21	< 0.01	< 0.01	0.07	0.1		0.02	0.15
09/28/11	CC AS 50	0.019	0.017	1.29	< 0.01	< 0.01	1.39	1.41		< 0.01	0.82
09/28/11	CC AS 59	0.006	0.012	0.3	< 0.01	< 0.01	0.081	0.081		0.01	0.14
09/29/11	CC AS 59	0.0066	0.015	0.32	< 0.01	< 0.01	0.052	0.087		< 0.01	0.14
10/22/11	CC AS 26	0.006	< 0.005	0.054	< 0.01	< 0.01	0.002	0.025		< 0.01	0.31
10/22/11	CC AS 49	< 0.006	0.005	0.04	< 0.01	< 0.01	< 0.001	0.036		< 0.01	0.24
10/22/11	CC AS 50	0.013	0.005	0.7	< 0.01	< 0.01	0.98	1.16		< 0.01	0.68
10/23/11	CC AS 26	< 0.006	0.005	0.021	< 0.01	< 0.01	< 0.001	0.023		0.01	0.3
10/23/11	CC AS 49	< 0.006	< 0.005	0.042	< 0.01	< 0.01	< 0.001	0.047		< 0.01	0.21
10/23/11	CC AS 50	0.014	< 0.005	0.87	< 0.01	< 0.01	1.1	1.17		0.01	0.82
10/23/11	CC AS 59	< 0.006	< 0.005	0.06	< 0.01	< 0.01	0.04	0.034		0.02	0.18
10/24/11	CC AS 59	< 0.006	< 0.005	0.06	< 0.01	< 0.01	0.005	0.046		0.02	0.19

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Table 2: Upper Basin Auto-Sampler Data									
Sample Date	Location ID	Nitrogen, Nitrite (mg/L)	Nitrogen, Total Kjeldahl (mg/L)	Nitrogen, Total Nitrogen (mg/L)	Oxygen, Dissolved (mg/L)	pH (su)	Phosphorus, Dissolved (mg/L)	Phosphorus, Total (mg/L)	Phosphorus, Total (Golden) (mg/L)
04/18/11	CC AS 50 Event			1.2		7.4	0.044	0.119	
04/23/11	CC AS 26			0.46		7.9	0.0171	0.045	
04/23/11	CC AS 49			0.49		7.7	< 0.0025	0.0085	
04/23/11	CC AS 50			0.66		7.6	< 0.0025	0.013	
04/24/11	CC AS 26			0.47		8	0.0119	0.0203	
04/24/11	CC AS 49			0.52		7.8	< 0.0025	0.0106	
04/24/11	CC AS 50			0.74		7.6	< 0.0025	0.0127	
04/24/11	CC AS 59			0.45		7.7	< 0.0025	0.012	S 0.12
04/25/11	CC AS 59			0.51		7.8	< 0.0025	0.0069	S 0.11
05/18/11	CC AS 50 Event			1.4		7.2	0.0093	0.105	
05/30/11	CC AS 26			0.44		7.5	0.0052	0.0154	
05/31/11	CC AS 26			0.45		7.6	0.0039	0.0142	
05/31/11	CC AS 49			0.55		7.3	0.0031	0.0338	
05/31/11	CC AS 50			0.5		7.4	0.0078	0.0664	
05/31/11	CC AS 59			0.6		7.5	0.0062	0.0595	S 0.27
06/01/11	CC AS 49			0.5		7.6	0.0059	0.0249	
06/01/11	CC AS 50			0.46		7.2	0.0093	0.0538	
06/01/11	CC AS 59			0.53		7.5	0.0057	0.0378	S 0.2
06/26/11	CC AS 26			0.38		7.1	0.0752	0.166	
06/26/11	CC AS 49			0.32		7.3	0.0048	0.0211	
06/26/11	CC AS 50			0.25		7.5	0.005	0.0149	
06/26/11	CC AS 59			0.34		7.4	0.0053	0.0432	S 0.3
06/27/11	CC AS 26			0.28		7.5	0.0523	0.159	
06/27/11	CC AS 49			0.29		7.4	0.0061	0.0242	
06/27/11	CC AS 50			0.3		7.5	0.0084	0.0106	
06/27/11	CC AS 59			0.36		7.3	0.0076	0.0299	S 0.27
07/07/11	CC AS 50 Event			1.7		7.3	0.0614	0.453	
07/08/11	CC AS 49 Event			1.2		6.7	0.0121	0.154	
07/09/11	CC AS 50 Event			1.2		7.1	0.0052	0.136	
07/11/11	CC AS 49 Event			1.5		7.2	0.0117	0.154	
07/11/11	CC AS 50 Event			1.5		7.2	0.0173	0.191	
07/13/11	CC AS 50 Event			3		8.1	0.0298	2.071	
07/14/11	CC AS 49 Event			1.1		7.3	0.0083	0.17	
07/24/11	CC AS 26			0.27		7.6	0.0053	0.0146	
07/24/11	CC AS 49			0.19		7.6	0.0028	0.0096	
07/24/11	CC AS 50			0.33		7.8	0.0053	0.0089	
07/24/11	CC AS 59			0.26		7.6	< 0.0025	0.0172	
07/25/11	CC AS 26			0.35		7.5	0.0088	0.0218	
07/25/11	CC AS 49			0.23		7.6	0.0027	0.0089	
07/25/11	CC AS 50			0.27		7.7	< 0.0025	0.0081	
07/25/11	CC AS 59			0.22		7.7	< 0.0025	0.012	
07/26/11	CC AS 49 Event			1.8		6.8	0.0078	0.271	
07/26/11	CC AS 50 Event			3.8		7.7	0.008	0.767	
07/27/11	CC AS 49 Event			1.6		6.7	0.055	0.109	
07/27/11	CC AS 50 Event			4.2		7.2	0.0038	1.351	
08/03/11	CC AS 49 Event			2.2		6.7	0.0077	0.077	
08/28/11	CC AS 26			0.25		7.9	0.0052	0.0082	
08/29/11	CC AS 26			0.34		7.8	0.0035	0.0082	
08/29/11	CC AS 49			0.26		7	0.0042	0.0078	
08/29/11	CC AS 50			0.87		6.6	0.0035	0.0111	
08/29/11	CC AS 59			0.29		7.8	0.0027	0.0102	S 0.12
08/30/11	CC AS 49			0.27		7.1	0.0027	0.0109	

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Table 2: Upper Basin Auto-Sampler Data									
Sample Date	Location ID	Nitrogen, Nitrite (mg/L)	Nitrogen, Total Kjeldahl (mg/L)	Nitrogen, Total Nitrogen (mg/L)	Oxygen, Dissolved (mg/L)	pH (su)	Phosphorus, Dissolved (mg/L)	Phosphorus, Total (mg/L)	Phosphorus, Total (Golden) (mg/L)
08/30/11	CC AS 50			0.68		7	< 0.0025	0.0164	
08/30/11	CC AS 59			0.32		7.8	0.003	0.0082	S 0.12
09/07/11	CC AS 59 Event	< 0.02	1	1.8		7.6	0.0042	0.092	S 0.31
09/27/11	CC AS 26			0.33		8	0.0069	0.0103	
09/27/11	CC AS 49			0.34		7.4	0.0058	0.0095	
09/27/11	CC AS 50			1.1		7.7	0.0066	0.0222	
09/28/11	CC AS 26			0.44		7.7	0.0135	0.018	
09/28/11	CC AS 49			0.4		7.8	0.0063	0.013	
09/28/11	CC AS 50			1.2		7.8	0.0063	0.0125	
09/28/11	CC AS 59			0.29		7.8	0.0063	0.0125	S 0.16
09/29/11	CC AS 59			0.28		7.8	0.0066	0.0108	S 0.22
10/22/11	CC AS 26			0.39		7.3	0.005	0.0053	
10/22/11	CC AS 49			0.27		7.3	0.0031	0.0095	
10/22/11	CC AS 50			0.89		7	0.0036	0.0076	
10/23/11	CC AS 26			0.35		6.7	0.0096	0.011	
10/23/11	CC AS 49			0.38		7.4	0.0044	0.0083	
10/23/11	CC AS 50			1		7.3	0.0039	0.0098	
10/23/11	CC AS 59		0.2	0.24		7.7	0.0044	0.0048	S 0.13
10/24/11	CC AS 59		0.1	0.26		7.8	0.0046	0.0048	S 0.13

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Table 2: Upper Basin Auto-Sampler Data									
Sample Date	Location ID	Phosphorus, Total (SGS)	Selenium, Dissolved ICP/MS	Selenium, Total, ICP/MS	Solids, Total Suspended	Temperature	Turbidity	Zinc, Dissolved	Zinc, Total
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	°C	(NTU)	(mg/L)	(mg/L)
04/18/11	CC AS 50 Event		< 0.011	< 0.011	144	10.8	164	0.25	1.25
04/23/11	CC AS 26		< 0.011	< 0.011	5	8.6	5	< 0.005	< 0.005
04/23/11	CC AS 49		< 0.011	< 0.011	6	9.4	1.9	0.014	0.032
04/23/11	CC AS 50		< 0.011	< 0.011	17	8.2	13.9	0.28	0.4
04/24/11	CC AS 26		< 0.011	< 0.011	4	8.3	1.4	< 0.005	< 0.005
04/24/11	CC AS 49		< 0.011	< 0.011	< 1	7.9	1.8	0.022	0.054
04/24/11	CC AS 50		< 0.011		16	9.6	14.1	0.28	
04/24/11	CC AS 59		< 0.011	< 0.011	10	10.5	3.5	< 0.005	0.04
04/25/11	CC AS 59		< 0.011	0.011	11	10.1	3.8	0.008	0.06
05/18/11	CC AS 50 Event		< 0.011	< 0.011	216	6.3	215	0.025	0.74
05/30/11	CC AS 26		< 0.011	< 0.011	10	18.2	6	< 0.005	0.034
05/31/11	CC AS 26		< 0.011	< 0.011	3	14.4	6.9	< 0.005	0.015
05/31/11	CC AS 49		< 0.011	< 0.011	40	18.8	20.4	0.024	0.25
05/31/11	CC AS 50		< 0.011	< 0.011	108	17.3	43.1	0.1	0.33
05/31/11	CC AS 59		< 0.011	< 0.011	56	18.3	28.2	< 0.005	0.28
06/01/11	CC AS 49		< 0.011	< 0.011	16		11.2	0.006	0.12
06/01/11	CC AS 50		< 0.011	< 0.011	28	18.1	33.6	< 0.005	0.24
06/01/11	CC AS 59		< 0.011	< 0.011	33		18.3	0.13	0.165
06/26/11	CC AS 26		< 0.011	< 0.011	1	16.7	4.9		
06/26/11	CC AS 49		< 0.011	< 0.011	26	19.4	19.7		
06/26/11	CC AS 50		< 0.011	< 0.011	10	18.4	9.2		
06/26/11	CC AS 59		0.011	0.011	47	21	22.8		
06/27/11	CC AS 26		< 0.011	< 0.011	2	15.7	5.6		
06/27/11	CC AS 49		< 0.011	< 0.011	29	18.2	21.9		
06/27/11	CC AS 50		< 0.011	< 0.011	9	18.2	6.7		
06/27/11	CC AS 59		< 0.011	< 0.011	26	19.9	18.4		
07/07/11	CC AS 50 Event		0.011	0.011	430		425	0.37	1.38
07/08/11	CC AS 49 Event		< 0.011	< 0.011	200		148	0.023	0.3
07/09/11	CC AS 50 Event		0.011	0.011	89		232	1.5	2.16
07/11/11	CC AS 49 Event	S 0.4	< 0.011	< 0.011	274		206	0.033	0.089
07/11/11	CC AS 50 Event	S 0.51	< 0.011	< 0.011	378		326	0.14	0.67
07/13/11	CC AS 50 Event	3.3	< 0.011	< 0.011	2382		1270	0.029	0.89
07/14/11	CC AS 49 Event	S 0.32	< 0.011	< 0.011	458		198	0.016	0.39
07/24/11	CC AS 26				7	21	2.2	0.026	0.04
07/24/11	CC AS 49				8		7.1	0.038	0.059
07/24/11	CC AS 50				4		4.4	0.14	0.22
07/24/11	CC AS 59				23		8.6	0.033	0.07
07/25/11	CC AS 26				2	19.6	1.8	0.03	0.047
07/25/11	CC AS 49				3		4.5	0.041	0.059
07/25/11	CC AS 50				6		3.8	0.12	0.23
07/25/11	CC AS 59				7		6.8	0.034	0.06
07/26/11	CC AS 49 Event	0.32	< 0.011	< 0.011	S 3		276	0.008	0.18
07/26/11	CC AS 50 Event	S 1.3	0.011	< 0.011	S 6		547	0.022	0.58
07/27/11	CC AS 49 Event	0.16	< 0.011	< 0.011	140		162	0.036	0.24
07/27/11	CC AS 50 Event	S 3.9	< 0.011	< 0.011	2230		2286	1.7	6.1
08/03/11	CC AS 49 Event		< 0.011	< 0.011	127		127	0.024	0.17
08/28/11	CC AS 26		< 0.011	< 0.011	1		1.7	0.049	0.05
08/29/11	CC AS 26		< 0.011	< 0.011	2		1.3	0.045	0.05
08/29/11	CC AS 49		< 0.011	< 0.011	4		5.9	0.052	0.082
08/29/11	CC AS 50		< 0.011	< 0.011	13		19.4	0.29	0.55
08/29/11	CC AS 59		< 0.011	< 0.011	7		3.2	0.052	0.081
08/30/11	CC AS 49		< 0.011	< 0.011	2		3.7	0.066	0.09

< indicates a value below the detection limit.
 S indicates a suspect value.
 Blank cell indicates no result.

Table 2: Upper Basin Auto-Sampler Data

Sample Date	Location ID	Phosphorus, Total (SGS) (mg/L)	Selenium, Dissolved ICP/MS (mg/L)	Selenium, Total, ICP/MS (mg/L)	Solids, Total Suspended (mg/L)	Temperature °C	Turbidity (NTU)	Zinc, Dissolved (mg/L)	Zinc, Total (mg/L)
08/30/11	CC AS 50		< 0.011	< 0.011	15		21.6	0.39	0.63
08/30/11	CC AS 59		< 0.011	< 0.011	5		2.7	0.06	0.082
09/07/11	CC AS 59 Event		< 0.011	< 0.011	134		141	0.078	0.44
09/27/11	CC AS 26		< 0.011	< 0.011	< 1		2.3	0.034	0.041
09/27/11	CC AS 49		< 0.011	< 0.011	< 1		3.1	0.06	0.075
09/27/11	CC AS 50		< 0.011	< 0.011	3		10.4	0.47	0.56
09/28/11	CC AS 26		< 0.011	< 0.011	< 1		1.3	0.033	0.042
09/28/11	CC AS 49		< 0.011	< 0.011	3		4	0.061	0.09
09/28/11	CC AS 50		< 0.011	< 0.011	2		9.5	0.068	0.08
09/28/11	CC AS 59		< 0.011	< 0.011	3		3.4	0.068	0.08
09/29/11	CC AS 59		< 0.011	< 0.011	2		3.9	0.059	0.087
10/22/11	CC AS 26		< 0.011	< 0.011	< 1		< 1	0.033	0.042
10/22/11	CC AS 49		< 0.011	< 0.011	2		1.8	0.05	0.07
10/22/11	CC AS 50		0.011	0.011	< 1		8	0.4	0.51
10/23/11	CC AS 26		< 0.011	< 0.011	< 1		< 1	0.035	0.043
10/23/11	CC AS 49		< 0.011	< 0.011	2		2	0.043	0.077
10/23/11	CC AS 50		< 0.011	< 0.011	< 1		7.6	0.41	0.51
10/23/11	CC AS 59		< 0.011	< 0.011	3		1.1	0.064	0.07
10/24/11	CC AS 59		< 0.011	< 0.011	1		1.1	0.05	0.075

< indicates a value below the detection limit.
 S indicates a suspect value.
 Blank cell indicates no result.

Table 3: Canal Zone Grab Sample Data									
Sample Date	Location ID	Arsenic, Dissolved ICP/MS	Arsenic, Total, ICP/MS	Barium, Dissolved, ICP/MS	Beryllium, Dissolved, ICP/MS	Cadmium, Dissolved, ICP/MS	Carbon, Total Organic	Chloride	Chromium, Dissolved, ICP/MS
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
01/05/11	Trib 02						1.5		
01/05/11	Trib 03						1.4		
01/05/11	Trib 04						1.5		
01/05/11	Trib 24						2.4		
02/09/11	Trib 02						1.3		
02/09/11	Trib 03						1.4		
02/09/11	Trib 04						1.2		
02/09/11	Trib 24						2		
03/02/11	Trib 01	< 0.001	< 0.001	0.046	< 0.001	0.00063	1	35	< 0.001
03/02/11	Trib 02	< 0.001	< 0.001	0.049	< 0.001	0.00061	1.1	36	< 0.001
03/02/11	Trib 03	< 0.001	< 0.001	0.044	< 0.001	< 0.0005	1.3	34	< 0.001
03/02/11	Trib 04	< 0.001	0.0016	0.048	< 0.001	< 0.0005	1.1	35	< 0.001
03/02/11	Trib 22a	< 0.001	< 0.001	0.061	< 0.001	< 0.0005	2	66	< 0.001
03/02/11	Trib 22d	< 0.001	< 0.001	0.06	< 0.001	< 0.0005	2.6	71	< 0.001
03/02/11	Trib 24	< 0.001	< 0.001	0.05	< 0.001	< 0.0005	2.2	31	< 0.001
03/30/11	Croke, #1@ T-3						1.1		
03/30/11	Croke, #10-DS of Kipling						1.1		
03/30/11	Croke, #11-DS of W. 74th PL						1.2		
03/30/11	Croke, #12@ T-4						1.2		
03/30/11	Croke, #2-DS of Headgate						< 1		
03/30/11	Croke, #3-DS 52nd and Indiana						1		
03/30/11	Croke, #4-DS Sewer Crash Site						< 1		
03/30/11	Croke, #5-DS CR5 @ 72nd						1.2		
03/30/11	Croke, #6-DS Equestrian Center						1		
03/30/11	Croke, #8-DS of Alkire						1.2		
03/30/11	Croke, #9-DS of 76th & Simms						1.4		
04/06/11	Trib 01						2.2		
04/06/11	Trib 02						1.2		
04/06/11	Trib 03						2.3		
04/06/11	Trib 11						1.7		
04/06/11	Trib 24						1.7		
05/04/11	Trib 01						1.8		
05/04/11	Trib 02						2		
05/04/11	Trib 03						2.5		
05/04/11	Trib 11						2.1		
05/04/11	Trib 24						1.9		
06/01/11	Trib 01	< 0.001	< 0.001	0.023	< 0.001	0.00053	4	34	0.0015
06/01/11	Trib 02	< 0.001	< 0.001	0.023	< 0.001	0.00052	3.8	17	0.0014
06/01/11	Trib 03	< 0.001	< 0.001	0.023	< 0.001	< 0.0005	3.8	17	0.0014
06/01/11	Trib 04	0.0012	0.0016	0.029	< 0.001	< 0.0005	3.5	19	0.0014
06/01/11	Trib 11	< 0.001	< 0.001	0.024	< 0.001	< 0.0005	3.6	17	0.0014
06/01/11	Trib 22a	< 0.001	< 0.001	0.04	< 0.001	< 0.0005	5.1	36	0.0032
06/01/11	Trib 22d	< 0.001	< 0.001	0.042	< 0.001	< 0.0005	5.7	37	0.0033
06/01/11	Trib 24	< 0.001	< 0.001	0.05	< 0.001	< 0.0005	1.7	27	0.0014
06/01/11	Trib 27 (New Church Ditch Inlet)	< 0.001	< 0.001	0.027	< 0.001	< 0.0005	3.6	18	0.0014
07/06/11	Trib 01						2.2		
07/06/11	Trib 02						2.4		
07/06/11	Trib 03						2.2		

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Table 3: Canal Zone Grab Sample Data									
Sample Date	Location ID	Arsenic, Dissolved ICP/MS	Arsenic, Total, ICP/MS	Barium, Dissolved, ICP/MS	Beryllium, Dissolved, ICP/MS	Cadmium, Dissolved, ICP/MS	Carbon, Total Organic	Chloride	Chromium, Dissolved, ICP/MS
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
07/06/11	Trib 11						2.1		
07/06/11	Trib 24						2		
07/06/11	Trib 27 (New Church Ditch Inlet)						3.2		
07/06/11	Trib 03 (Coors Discharge)								
08/03/11	Trib 01						1.8		
08/03/11	Trib 02						3.8		
08/03/11	Trib 03						1.8		
08/03/11	Trib 11						1.6		
08/03/11	Trib 24						2.2		
08/03/11	Trib 27 (New Church Ditch Inlet)						1.4		
09/14/11	Trib 01	< 0.001	< 0.001	0.029	< 0.001	< 0.0005	1	14	< 0.001
09/14/11	Trib 02	< 0.001	< 0.001	0.031	< 0.001	< 0.0005	1	12	< 0.001
09/14/11	Trib 03	< 0.001	< 0.001	0.036	< 0.001	< 0.0005	1.3	17	< 0.001
09/14/11	Trib 11	< 0.001	< 0.001	0.032	< 0.001	< 0.0005	1.1	13	< 0.001
09/14/11	Trib 24	< 0.001	< 0.001	0.043	< 0.001	< 0.0005	2.3	19	< 0.001
09/14/11	Trib 27 (New Church Ditch Inlet)	< 0.001	< 0.001	0.033	< 0.001	< 0.0005	1.1	12	< 0.001
10/05/11	Trib 01						1.1		
10/05/11	Trib 02						1.1		
10/05/11	Trib 03						1.2		
10/05/11	Trib 11						1.2		
10/05/11	Trib 22d						3.2		
10/05/11	Trib 24						1.6		
11/02/11	LDC (81st Ave)						3.5		
11/03/11	Trib 01						< 1		
11/03/11	Trib 02						< 1		
11/03/11	Trib 03						< 1		
11/03/11	Trib 04						2.7		
11/03/11	Trib 24						1.6		
12/07/11	Trib 01	< 0.001	< 0.001	0.05	< 0.001	0.00081	1.1	37	< 0.001
12/07/11	Trib 02	< 0.001	< 0.001	0.048	< 0.001	0.00058	1.2	33	< 0.001
12/07/11	Trib 03	< 0.001	< 0.001	0.048	< 0.001	< 0.0005	1.7	36	< 0.001
12/07/11	Trib 04	< 0.001	0.002	0.054	< 0.001	< 0.0005	1.2	36	< 0.001
12/07/11	Trib 22d	< 0.001	< 0.001	0.054	< 0.001	< 0.0005	2.7	55	< 0.001
12/07/11	Trib 24	< 0.001	< 0.001	0.038	< 0.001	< 0.0005	1.9	25	< 0.001

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Table 3: Canal Zone Grab Sample Data							
Sample Date	Location ID	Coliform, E-coli, Colilert	Conductivity (Specific) (µS/cm)	Copper, Dissolved, ICP/MS (mg/L)	Gross Alpha (mg/L)	Gross Alpha (+- Precision) (mg/L)	Gross Beta (mg/L)
01/05/11	Trib 02	39	437				
01/05/11	Trib 03	223	457				
01/05/11	Trib 04	60	485				
01/05/11	Trib 24	10	303				
02/09/11	Trib 02	33	368				
02/09/11	Trib 03	62	376				
02/09/11	Trib 04	48	419				
02/09/11	Trib 24	4	282				
03/02/11	Trib 01	2	425	0.0041	1.6	1.8	4.5
03/02/11	Trib 02	5	445	0.0048	2.9	2.4	3
03/02/11	Trib 03	28	435	0.0039	3.2	2.3	2.4
03/02/11	Trib 04	15	435	< 0.002	2.8	2.2	2.4
03/02/11	Trib 22a	< 1	348	< 0.002	0.7	1.7	1.1
03/02/11	Trib 22d	4	458	< 0.002	4.5	2.7	1.9
03/02/11	Trib 24	< 1	350	0.0032	2.4	2.1	0.4
03/30/11	Croke, #1@ T-3		428				
03/30/11	Croke, #10-DS of Kipling		438				
03/30/11	Croke, #11-DS of W. 74th PL		441				
03/30/11	Croke, #12@ T-4		442				
03/30/11	Croke, #2-DS of Headgate		428				
03/30/11	Croke, #3-DS 52nd and Indiana		421				
03/30/11	Croke, #4-DS Sewer Crash Site		424				
03/30/11	Croke, #5-DS CR5 @ 72nd		428				
03/30/11	Croke, #6-DS Equestrian Center		428				
03/30/11	Croke, #8-DS of Alkire		446				
03/30/11	Croke, #9-DS of 76th & Simms		435				
04/06/11	Trib 01	< 1	417				
04/06/11	Trib 02	19	431				
04/06/11	Trib 03	36	479				
04/06/11	Trib 11	236	439				
04/06/11	Trib 24	1	323				
05/04/11	Trib 01	< 1	408				
05/04/11	Trib 02	13	414				
05/04/11	Trib 03	20	464				
05/04/11	Trib 11	28	416				
05/04/11	Trib 24	< 1	331				
06/01/11	Trib 01	9	188	0.0094	2.1	1.9	5
06/01/11	Trib 02	6	186	0.0085	3.7	2	1.6
06/01/11	Trib 03	23	189	0.0084	1.9	1.8	2.1
06/01/11	Trib 04	488	231	0.005	1.4	1.4	0
06/01/11	Trib 11	75	198	0.0075	2	2.1	4.8
06/01/11	Trib 22a	50	232	< 0.002	2.3	1.9	1.6
06/01/11	Trib 22d	43	277	< 0.002	2.8	1.8	0.5
06/01/11	Trib 24	2	338	0.0034	3	1.9	1.6
06/01/11	Trib 27 (New Church Ditch Inlet)	173	206	0.0085	0.2	1.6	2.7
07/06/11	Trib 01	16	52				
07/06/11	Trib 02	79	84				
07/06/11	Trib 03	39	83				

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Table 3: Canal Zone Grab Sample Data							
Sample Date	Location ID	Coliform, E-coli, Colilert	Conductivity (Specific) (μ S/cm)	Copper, Dissolved, ICP/MS (mg/L)	Gross Alpha (mg/L)	Gross Alpha (+- Precision) (mg/L)	Gross Beta (mg/L)
07/06/11	Trib 11	140	78				
07/06/11	Trib 24	2	316				
07/06/11	Trib 27 (New Church Ditch Inlet)	194	91				
07/06/11	Trib 03 (Coors Discharge)						
08/03/11	Trib 01	387	116				
08/03/11	Trib 02	617	113				
08/03/11	Trib 03	208	116				
08/03/11	Trib 11	101	134				
08/03/11	Trib 24	2	290				
08/03/11	Trib 27 (New Church Ditch Inlet)	613	127				
09/14/11	Trib 01	11	225	0.0026	0.9	1.7	0
09/14/11	Trib 02	24	230	0.0041	0.2	1.5	1.7
09/14/11	Trib 03	161	266	0.003	0.7	1.9	0
09/14/11	Trib 11	218	234	0.0023	0	1.8	0
09/14/11	Trib 24	121	277	< 0.002	1.5	1.7	3.8
09/14/11	Trib 27 (New Church Ditch Inlet)	189	227	0.0023	0.7	1.6	0
10/05/11	Trib 01	9	229				
10/05/11	Trib 02	15	232				
10/05/11	Trib 03	138	246				
10/05/11	Trib 11	172	234				
10/05/11	Trib 22d	2419	70				
10/05/11	Trib 24	45	242				
11/02/11	LDC (81st Ave)						
11/03/11	Trib 01	1	312				
11/03/11	Trib 02	70	315				
11/03/11	Trib 03	91	344				
11/03/11	Trib 04	1046	388				
11/03/11	Trib 24	20	245				
12/07/11	Trib 01	< 1	469	0.0048			
12/07/11	Trib 02	50	452	0.0045			
12/07/11	Trib 03	58	469	0.0038			
12/07/11	Trib 04	47	472	< 0.002			
12/07/11	Trib 22d	12	468	< 0.002			
12/07/11	Trib 24	9	262	< 0.002			

< indicates a value below the detection limit.

S indicates a suspect value.

Blank cell indicates no result.

Table 3: Canal Zone Grab Sample Data							
Sample Date	Location ID	Gross Beta (+/- Precision) (mg/L)	Hardness, Total (mg/L)	Iron, Dissolved (mg/L)	Iron, Total (mg/L)	Lead, Dissolved, ICP/MS (mg/L)	Manganese, Dissolved, ICP/MS (mg/L)
01/05/11	Trib 02						
01/05/11	Trib 03						
01/05/11	Trib 04			< 0.02	0.88		0.069
01/05/11	Trib 24			< 0.02	0.054		0.0026
02/09/11	Trib 02			< 0.02	0.069		0.098
02/09/11	Trib 03			< 0.02	0.12		0.057
02/09/11	Trib 04			< 0.02	1.2		0.0075
02/09/11	Trib 24			< 0.02	0.032		< 0.002
03/02/11	Trib 01	2.4		< 0.02	0.32	< 0.0005	0.19
03/02/11	Trib 02	2.4		< 0.02	0.3	< 0.0005	0.17
03/02/11	Trib 03	2.3		< 0.02	0.3	< 0.0005	0.12
03/02/11	Trib 04	2.3		< 0.02	0.61	< 0.0005	0.076
03/02/11	Trib 22a	2.1		0.021	0.084	< 0.0005	0.025
03/02/11	Trib 22d	2.3		0.023	0.22	< 0.0005	0.057
03/02/11	Trib 24	2		< 0.02	0.057	< 0.0005	0.028
03/30/11	Croke, #1@ T-3						
03/30/11	Croke, #10-DS of Kipling						
03/30/11	Croke, #11-DS of W. 74th PL						
03/30/11	Croke, #12@ T-4						
03/30/11	Croke, #2-DS of Headgate						
03/30/11	Croke, #3-DS 52nd and Indiana						
03/30/11	Croke, #4-DS Sewer Crash Site						
03/30/11	Croke, #5-DS CR5 @ 72nd						
03/30/11	Croke, #6-DS Equestrian Center						
03/30/11	Croke, #8-DS of Alkire						
03/30/11	Croke, #9-DS of 76th & Simms						
04/06/11	Trib 01			< 0.02	0.23		0.17
04/06/11	Trib 02			< 0.02	0.22		0.13
04/06/11	Trib 03			0.03	0.16		0.24
04/06/11	Trib 11			< 0.02	0.2		0.0069
04/06/11	Trib 24			< 0.02	0.077		< 0.002
05/04/11	Trib 01			< 0.02	0.34		0.17
05/04/11	Trib 02			< 0.02	0.59		0.16
05/04/11	Trib 03			0.058	0.28		0.18
05/04/11	Trib 11			0.022	0.14		0.032
05/04/11	Trib 24			< 0.02	0.098		< 0.002
06/01/11	Trib 01	2.2	96	0.19	1.9	0.00067	0.1
06/01/11	Trib 02	2.2	96	0.17	1.9	0.00058	0.088
06/01/11	Trib 03	2	92	0.17	1.5	0.00061	0.058
06/01/11	Trib 04	2	152	0.19	1.8	0.0014	0.0034
06/01/11	Trib 11	2.5	104	0.18	1.4	0.00068	0.0082
06/01/11	Trib 22a	2.1	92	0.12	0.43	< 0.0005	0.0063
06/01/11	Trib 22d	2	104	0.14	0.31	< 0.0005	0.015
06/01/11	Trib 24	2.2	144	< 0.02	0.32	< 0.0005	0.0029
06/01/11	Trib 27 (New Church Ditch Inlet)	2.2	104	0.16	0.64	0.00059	0.024
07/06/11	Trib 01			0.084	1.3		0.033
07/06/11	Trib 02			0.082	1.5		0.036
07/06/11	Trib 03			0.084	1.5		0.036

< indicates a value below the detection limit.

S indicates a suspect value.

Blank cell indicates no result.

Table 3: Canal Zone Grab Sample Data							
Sample Date	Location ID	Gross Beta (+/- Precision) (mg/L)	Hardness, Total (mg/L)	Iron, Dissolved (mg/L)	Iron, Total (mg/L)	Lead, Dissolved, ICP/MS (mg/L)	Manganese, Dissolved, ICP/MS (mg/L)
07/06/11	Trib 11			0.089	1.4		0.028
07/06/11	Trib 24			< 0.02	0.37		< 0.002
07/06/11	Trib 27 (New Church Ditch Inlet)			0.1	0.88		0.016
07/06/11	Trib 03 (Coors Discharge)						
08/03/11	Trib 01			0.11	2.5		0.045
08/03/11	Trib 02			0.1	2.8		0.043
08/03/11	Trib 03			0.13	3.3		0.048
08/03/11	Trib 11			0.062	0.7		0.018
08/03/11	Trib 24						
08/03/11	Trib 27 (New Church Ditch Inlet)			0.1	0.64		0.031
09/14/11	Trib 01	2.1	100	0.092	0.1	< 0.0005	0.069
09/14/11	Trib 02	2.1	92	0.035	0.19	< 0.0005	0.064
09/14/11	Trib 03	2.1	108	0.041	0.18	< 0.0005	0.23
09/14/11	Trib 11	2	116	< 0.02	0.46	< 0.0005	< 0.002
09/14/11	Trib 24	2.3	112	< 0.02	0.53	< 0.0005	0.78
09/14/11	Trib 27 (New Church Ditch Inlet)	2	108	0.042	0.1	< 0.0005	0.0099
10/05/11	Trib 01			0.022	0.17		0.058
10/05/11	Trib 02			0.027	0.13		0.052
10/05/11	Trib 03			0.022	0.12		0.036
10/05/11	Trib 11			< 0.02	0.21		< 0.002
10/05/11	Trib 22d			0.1	0.33		0.0021
10/05/11	Trib 24			< 0.02	0.071		< 0.002
11/02/11	LDC (81st Ave)						
11/03/11	Trib 01			LE	0.29		LE
11/03/11	Trib 02			LE	0.22		LE
11/03/11	Trib 03			LE	0.21		LE
11/03/11	Trib 04			LE	2		LE
11/03/11	Trib 24			LE	0.15		LE
12/07/11	Trib 01		164	< 0.02	0.084	< 0.0005	0.24
12/07/11	Trib 02		188	< 0.02	0.084	< 0.0005	0.14
12/07/11	Trib 03		196	< 0.02	0.12	< 0.0005	0.12
12/07/11	Trib 04		172	0.026	0.65	0.00067	0.24
12/07/11	Trib 22d		140	0.062	0.16	< 0.0005	0.084
12/07/11	Trib 24		120	< 0.02	0.052	< 0.0005	< 0.002

< indicates a value below the detection limit.

S indicates a suspect value.

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Table 3: Canal Zone Grab Sample Data								
Sample Date	Location ID	Manganese, Total, ICP/MS	Molybdenum, Dissolved, ICP/MS	Molybdenum, Total, ICP/MS	Nickel, Dissolved, ICP/MS	Nitrogen, Ammonia (Salicylate)	Nitrogen, Nitrate+N nitrite	Nitrogen, Total Nitrogen
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
01/05/11	Trib 02					0.03	0.62	0.75
01/05/11	Trib 03					0.03	0.64	0.79
01/05/11	Trib 04	0.14				0.05	0.66	0.92
01/05/11	Trib 24	0.016				0.02	0.02	0.27
02/09/11	Trib 02	0.1				0.01	0.57	0.68
02/09/11	Trib 03	0.1				0.03	0.59	0.75
02/09/11	Trib 04	0.21				0.04	0.55	0.82
02/09/11	Trib 24	0.016				0.03	0.05	0.42
03/02/11	Trib 01	0.23	0.0028	0.0034	< 0.005	< 0.01	0.45	0.57
03/02/11	Trib 02	0.21	0.0026	0.0033	< 0.005	< 0.01	0.42	0.54
03/02/11	Trib 03	0.16	0.0025	0.0032	< 0.005	< 0.01	0.38	0.47
03/02/11	Trib 04	0.14	0.003	0.0038	< 0.005	0.01	0.35	0.52
03/02/11	Trib 22a	0.029	< 0.002	< 0.002	< 0.005	< 0.01	0.04	0.15
03/02/11	Trib 22d	0.074	< 0.002	< 0.002	< 0.005	< 0.01	0.04	0.25
03/02/11	Trib 24	0.046	0.0035	0.0038	< 0.005	0.02	0.11	0.35
03/30/11	Croke, #1@ T-3					0.01	0.32	0.49
03/30/11	Croke, #10-DS of Kipling					0.03	0.27	0.52
03/30/11	Croke, #11-DS of W. 74th PL					0.03	0.27	0.54
03/30/11	Croke, #12@ T-4					0.01	0.25	0.46
03/30/11	Croke, #2-DS of Headgate					0.02	0.32	0.42
03/30/11	Croke, #3-DS 52nd and Indiana					0.02	0.27	0.45
03/30/11	Croke, #4-DS Sewer Crash Site					0.02	0.25	0.45
03/30/11	Croke, #5-DS CR5 @ 72nd					0.02	0.25	0.52
03/30/11	Croke, #6-DS Equestrian Center					0.03	0.24	0.45
03/30/11	Croke, #8-DS of Alkire					0.03	0.25	0.48
03/30/11	Croke, #9-DS of 76th & Simms					0.03	0.27	0.53
04/06/11	Trib 01	0.2				0.01	0.39	0.56
04/06/11	Trib 02	0.17				0.01	0.33	0.51
04/06/11	Trib 03	0.28				0.05	0.32	0.57
04/06/11	Trib 11	0.026				0.01	0.28	0.44
04/06/11	Trib 24	0.038				< 0.01	0.04	0.21
05/04/11	Trib 01	0.21				< 0.01	0.24	0.43
05/04/11	Trib 02	0.28				0.02	0.27	0.53
05/04/11	Trib 03	0.24				0.04	0.21	0.5
05/04/11	Trib 11	0.056				0.01	0.22	0.42
05/04/11	Trib 24	0.062				< 0.01	0.01	0.23
06/01/11	Trib 01	0.38	0.0024	0.0031	< 0.005	0.02	0.14	0.45
06/01/11	Trib 02	0.39	0.0025	0.003	< 0.005	< 0.01	0.14	0.45
06/01/11	Trib 03	0.42	0.003	0.003	< 0.005	< 0.01	0.14	0.44
06/01/11	Trib 04	0.16	0.0031	0.0031	< 0.005	< 0.01	0.13	0.46
06/01/11	Trib 11	0.27	0.0023	0.0023	< 0.005	< 0.01	0.12	0.45
06/01/11	Trib 22a	0.021	< 0.002	< 0.002	< 0.005	< 0.01	0.4	0.74
06/01/11	Trib 22d	0.041	< 0.002	< 0.002	< 0.005	< 0.01	0.25	0.64
06/01/11	Trib 24	0.098	0.003	0.003	< 0.005	0.01	0.08	0.35
06/01/11	Trib 27 (New Church Ditch Inlet)	0.14	0.0028	0.0028	< 0.005	< 0.01	0.07	0.35
07/06/11	Trib 01	0.24				< 0.01	0.12	0.35
07/06/11	Trib 02	0.28				< 0.01	0.11	0.35
07/06/11	Trib 03	0.27				< 0.01	0.11	0.32

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Table 3: Canal Zone Grab Sample Data								
Sample Date	Location ID	Manganese, Total, ICP/MS	Molybdenum, Dissolved, ICP/MS	Molybdenum, Total, ICP/MS	Nickel, Dissolved, ICP/MS	Nitrogen, Ammonia (Salicylate)	Nitrogen, Nitrate+N nitrite	Nitrogen, Total Nitrogen
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
07/06/11	Trib 11	0.24				< 0.01	0.13	0.34
07/06/11	Trib 24	0.12				< 0.01	0.19	0.44
07/06/11	Trib 27 (New Church Ditch Inlet)	0.12				< 0.01	0.11	0.33
07/06/11	Trib 03 (Coors Discharge)					9.7	1.9	14.1
08/03/11	Trib 01	0.18				< 0.01	0.11	0.31
08/03/11	Trib 02	0.2				< 0.01	0.11	0.29
08/03/11	Trib 03	0.2				< 0.01	0.11	0.35
08/03/11	Trib 11	0.1				< 0.01	0.08	0.23
08/03/11	Trib 24					< 0.01	0.2	0.42
08/03/11	Trib 27 (New Church Ditch Inlet)	0.1				< 0.01	0.08	0.28
09/14/11	Trib 01	0.098	0.003	0.0034	< 0.005	0.01	0.15	0.26
09/14/11	Trib 02	0.093	0.003	0.0033	< 0.005	0.01	0.16	0.29
09/14/11	Trib 03	0.27	0.003	0.003	< 0.005	0.02	0.19	0.32
09/14/11	Trib 11	< 0.063	0.0031	0.0032	< 0.005	0.01	0.11	0.32
09/14/11	Trib 24	0.9	0.0037	0.0038	< 0.005	0.13	< 0.01	0.33
09/14/11	Trib 27 (New Church Ditch Inlet)	0.023	0.0028	0.0024	< 0.005	< 0.01	0.09	0.22
10/05/11	Trib 01	0.09				< 0.01	0.16	0.29
10/05/11	Trib 02	0.087				< 0.01	0.15	0.32
10/05/11	Trib 03	0.085				< 0.01	0.15	0.29
10/05/11	Trib 11	0.04				< 0.01	0.12	0.28
10/05/11	Trib 22d	0.021				< 0.01	0.06	0.27
10/05/11	Trib 24	0.026				0.02	0.14	0.43
11/02/11	LDC (81st Ave)					< 0.01	0.24	0.59
11/03/11	Trib 01	0.29				< 0.01	0.24	0.43
11/03/11	Trib 02	0.2				< 0.01	0.25	0.46
11/03/11	Trib 03	0.18				< 0.01	0.25	0.53
11/03/11	Trib 04	0.046				< 0.01	0.13	0.56
11/03/11	Trib 24	0.046				< 0.01	0.01	0.33
12/07/11	Trib 01	0.26	0.0025	0.0025	< 0.005	< 0.01	0.45	0.54
12/07/11	Trib 02	0.18	0.0025	0.0026	< 0.005	< 0.01	0.44	0.69
12/07/11	Trib 03	0.16	0.0026	0.0026	< 0.005	0.01	0.44	0.67
12/07/11	Trib 04	0.32	0.0024	0.0024	< 0.005	0.04	0.38	0.66
12/07/11	Trib 22d	0.1	< 0.002	< 0.002	< 0.005	< 0.01	0.01	0.2
12/07/11	Trib 24	0.013	0.0029	0.003	< 0.005	< 0.01	< 0.01	0.2

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Table 3: Canal Zone Grab Sample Data									
Sample Date	Location ID	Oxygen, Dissolved	pH	Phosphorus, Dissolved	Phosphorus, Total	Selenium, Dissolved ICP/MS	Selenium, Total, ICP/MS	Silver, Dissolved, ICP/MS	Silver, Total, ICP/MS
		(mg/L)	(su)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
01/05/11	Trib 02	12.2	7.7	< 0.0025	0.0063				
01/05/11	Trib 03	10.4	7.8	0.0033	0.0116				
01/05/11	Trib 04	11.1	6.8	0.0051	0.0252				
01/05/11	Trib 24	11.1	7.4	< 0.0025	0.0075				
02/09/11	Trib 02	10.4	7.4	0.0034	0.0082				
02/09/11	Trib 03	7.1	8.4	0.0034	0.0118				
02/09/11	Trib 04	9.8	7.3	0.0072	0.0545				
02/09/11	Trib 24	9.4	8	< 0.0025	0.0077				
03/02/11	Trib 01	10.5	7.6	< 0.0025	0.0101	< 0.005	< 0.005	< 0.0005	< 0.0005
03/02/11	Trib 02	10.9	7.7	< 0.0025	0.0092	< 0.005	< 0.005	< 0.0005	< 0.0005
03/02/11	Trib 03	8.1	8.2	< 0.0025	0.0141	< 0.005	< 0.005	< 0.0005	< 0.0005
03/02/11	Trib 04	8.2	8.1	0.0059	0.0336	< 0.005	< 0.005	< 0.0005	< 0.0005
03/02/11	Trib 22a	10.7	7.6	0.0073	0.0082	< 0.005	< 0.005	< 0.0005	< 0.0005
03/02/11	Trib 22d	10.9	7.8	< 0.0025	0.0153	< 0.005	< 0.005	< 0.0005	< 0.0005
03/02/11	Trib 24	8.7	8	< 0.0025	0.007	< 0.005	< 0.005	< 0.0005	< 0.0005
03/30/11	Croke, #1@ T-3	7.7	7.8	< 0.0025	0.0093				
03/30/11	Croke, #10-DS of Kipling	7.5	8.1	0.0041	0.025				
03/30/11	Croke, #11-DS of W. 74th PL	7.7	8	0.0047	0.0288				
03/30/11	Croke, #12@ T-4	8.2	8.4	0.0047	0.0233				
03/30/11	Croke, #2-DS of Headgate	7.7	7.9	< 0.0025	0.0075				
03/30/11	Croke, #3-DS 52nd and Indiana	7.9	7.9	< 0.0025	0.0085				
03/30/11	Croke, #4-DS Sewer Crash Site	7.9	7.9	< 0.0025	0.0085				
03/30/11	Croke, #5-DS CR5 @ 72nd	7.7	7.9	< 0.0025	0.017				
03/30/11	Croke, #6-DS Equestrian Center	7.1	7.8	< 0.0025	0.02				
03/30/11	Croke, #8-DS of Alkire	8	7.9	0.0028	0.0283				
03/30/11	Croke, #9-DS of 76th & Simms	7.2	7.9	0.0038	0.0273				
04/06/11	Trib 01	9.8	7.6	0.0029	0.0083				
04/06/11	Trib 02	6.9	7.5	< 0.0025	0.0087				
04/06/11	Trib 03	6.1	7.9	0.0029	0.013				
04/06/11	Trib 11	6.7	7.8	< 0.0025	0.0113				
04/06/11	Trib 24	7	7.6	< 0.0025	0.011				
05/04/11	Trib 01	11.3	7.8	0.0029	0.0077				
05/04/11	Trib 02	6.2	7.9	0.0031	0.0177				
05/04/11	Trib 03	7.9	7.9	0.0036	0.0205				
05/04/11	Trib 11	7.6	8	< 0.0025	0.007				
05/04/11	Trib 24	7	7.9	< 0.0025	0.0115				
06/01/11	Trib 01	9.2	7.7	0.0061	0.0311	< 0.005	< 0.005	< 0.0005	< 0.0005
06/01/11	Trib 02	9.4	7.6	0.0061	0.0328	< 0.005	< 0.005	< 0.0005	< 0.0005
06/01/11	Trib 03	8.2	7.6	0.0079	0.0354	< 0.005	< 0.005	< 0.0005	< 0.0005
06/01/11	Trib 04	8.1	7.8	0.0097	0.0423	< 0.005	< 0.005	< 0.0005	< 0.0005
06/01/11	Trib 11	7.4	7.9	0.0081	0.0397	< 0.005	< 0.005	< 0.0005	< 0.0005
06/01/11	Trib 22a	9.1	7.7	0.0074	0.0156	< 0.005	< 0.005	< 0.0005	< 0.0005
06/01/11	Trib 22d	9.6	8	0.0115	0.0204	< 0.005	< 0.005	< 0.0005	< 0.0005
06/01/11	Trib 24	7.7	7.7	0.0035	0.0123	< 0.005	< 0.005	< 0.0005	< 0.0005
06/01/11	Trib 27 (New Church Ditch Inlet)	7.7	7.6	0.0063	0.0197	< 0.005	< 0.005	< 0.0005	< 0.0005
07/06/11	Trib 01	S 12.3	7.6	0.0085	0.0254				
07/06/11	Trib 02	S 14.2	7.5	0.0083	0.0273				
07/06/11	Trib 03	10.7	7.3	0.008	0.0249				

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Table 3: Canal Zone Grab Sample Data									
Sample Date	Location ID	Oxygen, Dissolved	pH	Phosphorus, Dissolved	Phosphorus, Total	Selenium, Dissolved ICP/MS	Selenium, Total, ICP/MS	Silver, Dissolved, ICP/MS	Silver, Total, ICP/MS
		(mg/L)	(su)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
07/06/11	Trib 11	S 13	7.6	0.007	0.0313				
07/06/11	Trib 24	4.8	7.1	0.0034	0.018				
07/06/11	Trib 27 (New Church Ditch Inlet)	12	7.5	0.0088	0.0249				
07/06/11	Trib 03 (Coors Discharge)								
08/03/11	Trib 01	8.1	7.2	< 0.0025	0.0381				
08/03/11	Trib 02	7.3	7.3	0.004	0.0666				
08/03/11	Trib 03	7.1	7.4	0.0073	0.042				
08/03/11	Trib 11	6.6	7.5	0.0073	0.0141				
08/03/11	Trib 24	2.4	6.9	< 0.0025	0.0145				
08/03/11	Trib 27 (New Church Ditch Inlet)	6.4	7.5	0.0053	0.0179				
09/14/11	Trib 01	7.7	7.3	0.0026	0.006	< 0.005	< 0.005	< 0.0005	< 0.0005
09/14/11	Trib 02	S 5.8	7.7	0.0032	0.007	< 0.005	< 0.005	< 0.0005	< 0.0005
09/14/11	Trib 03	S 5.9	7.7	0.004	0.009	< 0.005	< 0.005	< 0.0005	< 0.0005
09/14/11	Trib 11	S 5.7	7.8	0.0026	0.018	< 0.005	< 0.005	< 0.0005	< 0.0005
09/14/11	Trib 24	2.5	7	0.009	0.0274	< 0.005	< 0.005	< 0.0005	< 0.0005
09/14/11	Trib 27 (New Church Ditch Inlet)	6.6	7.7	0.0034	0.0078	< 0.005	< 0.005	< 0.0005	< 0.0005
10/05/11	Trib 01	8.6	7.2	0.0042	0.008				
10/05/11	Trib 02	6.2	7.6	0.0029	0.0098				
10/05/11	Trib 03	S 5.8	7.7	0.005	0.01				
10/05/11	Trib 11	S 5.8	7.5	0.0048	0.0115				
10/05/11	Trib 22d	7.8	7.7	0.0278	0.0312				
10/05/11	Trib 24	1	7	0.0092	0.0149				
11/02/11	LDC (81st Ave)			0.0181	0.079				
11/03/11	Trib 01	13.2	6.7	0.0041	0.0095				
11/03/11	Trib 02	9.2	7.6	0.0029	0.0075				
11/03/11	Trib 03	9.2	7.6	0.0029	0.0075				
11/03/11	Trib 04	9.4	7.4	0.0253	0.0703				
11/03/11	Trib 24	6.7	7.4	0.0035	0.0125				
12/07/11	Trib 01	11.6	7	0.0026	0.0056	< 0.005	< 0.005	< 0.0005	< 0.0005
12/07/11	Trib 02	9.7	7.4	0.0043	0.0093	< 0.005	< 0.005	< 0.0005	< 0.0005
12/07/11	Trib 03	9.3	7.5	0.0029	0.01	< 0.005	< 0.005	< 0.0005	< 0.0005
12/07/11	Trib 04	10.7	7.4	0.0067	0.0375	< 0.005	< 0.005	< 0.0005	< 0.0005
12/07/11	Trib 22d	10.4	7.5	0.0067	0.018	< 0.005	< 0.005	< 0.0005	< 0.0005
12/07/11	Trib 24	9.3	6.9	0.0032	0.0106	< 0.005	< 0.005	< 0.0005	< 0.0005

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Blank cell indicates no result.

Table 3: Canal Zone Grab Sample Data								
Sample Date	Location ID	Solids, Total Suspended (mg/L)	Sulfate (mg/L)	Temperature (°C)	Turbidity (NTU)	UV 254 (ABS)	Zinc, Dissolved, ICP/MS (mg/L)	Zinc, Total, ICP/MS (mg/L)
01/05/11	Trib 02	2		6.7	1.5			
01/05/11	Trib 03	5		8	2.5			
01/05/11	Trib 04	26		2.6	19.1		0.059	0.12
01/05/11	Trib 24	5		8.7	1.7		< 0.02	< 0.02
02/09/11	Trib 02	< 1		5.8	1		0.19	0.18
02/09/11	Trib 03			2.3	2.2		0.16	0.16
02/09/11	Trib 04	66		< 1	41.8	0.226	0.065	0.21
02/09/11	Trib 24	6		8.5	1.5	0.301	< 0.02	< 0.02
03/02/11	Trib 01	2	105	3.1	3.1		0.18	0.2
03/02/11	Trib 02	2	98	2.7	3.1		0.17	0.19
03/02/11	Trib 03	6	100	9.8	3.9		0.11	0.15
03/02/11	Trib 04	37	97	8.7	25.4	0.233	0.025	0.098
03/02/11	Trib 22a	2	20	4	< 1		< 0.02	< 0.02
03/02/11	Trib 22d	9	35	4.8	4.8		< 0.02	< 0.02
03/02/11	Trib 24	2	61	10.5	1.6	0.299	< 0.02	< 0.02
03/30/11	Croke, #1@ T-3	3		10.8	1.8			
03/30/11	Croke, #10-DS of Kipling	30		11.3	15.1			
03/30/11	Croke, #11-DS of W. 74th PL	33		11.4	16.9			
03/30/11	Croke, #12@ T-4	25		11.6	15.2			
03/30/11	Croke, #2-DS of Headgate	3		11.2	1.8			
03/30/11	Croke, #3-DS 52nd and Indiana	2		10.9	2.1			
03/30/11	Croke, #4-DS Sewer Crash Site	3		11	1.7			
03/30/11	Croke, #5-DS CR5 @ 72nd	11		11.2	6.2			
03/30/11	Croke, #6-DS Equestrian Center	3		11.3	7.3			
03/30/11	Croke, #8-DS of Alkire	30		11.7	14.1			
03/30/11	Croke, #9-DS of 76th & Simms	28		11.1	15.7			
04/06/11	Trib 01	< 1		8	2.6		0.15	0.17
04/06/11	Trib 02	1		15.7	2.6		0.13	0.17
04/06/11	Trib 03	< 1		13.2	2.1		0.089	0.091
04/06/11	Trib 11	1		11.6	3.9	0.327	0.065	0.065
04/06/11	Trib 24	< 1		12.8	2.6	0.291	< 0.02	< 0.02
05/04/11	Trib 01	4		8.8	3.1		0.12	0.17
05/04/11	Trib 02	7		16.4	6.2		0.11	0.21
05/04/11	Trib 03	2		12	2.4		0.07	0.086
05/04/11	Trib 11	3		14.2	2.2		0.059	0.059
05/04/11	Trib 24	6		14	4.1	0.286	< 0.02	< 0.02
06/01/11	Trib 01	30	77	10.5	12.7		0.13	0.28
06/01/11	Trib 02	30	37	9.9	13.7		0.13	0.28
06/01/11	Trib 03	31	37	12.2	13.5		0.12	0.3
06/01/11	Trib 04	49	43	15	23.2		0.037	0.14
06/01/11	Trib 11	54	39	14	22.5		0.073	0.22
06/01/11	Trib 22a	16	20	11.5	4.2		< 0.02	< 0.02
06/01/11	Trib 22d	14	27	13.3	4.2		< 0.02	< 0.02
06/01/11	Trib 24	17	58	16.5	5.4		< 0.02	< 0.02
06/01/11	Trib 27 (New Church Ditch Inlet)	21	40	14	10.7		0.16	0.64
07/06/11	Trib 01	25		14	22.4		0.046	0.11
07/06/11	Trib 02	34		12.6	23.4		0.041	0.12
07/06/11	Trib 03	36		12.7	24.6		0.047	0.12

< indicates a value below the detection limit.

S indicates a suspect value.

Blank cell indicates no result.

Table 3: Canal Zone Grab Sample Data								
Sample Date	Location ID	Solids, Total Suspended	Sulfate	Temperature	Turbidity	UV 254	Zinc, Dissolved, ICP/MS	Zinc, Total, ICP/MS
		(mg/L)	(mg/L)	(°C)	(NTU)	(ABS)	(mg/L)	(mg/L)
07/06/11	Trib 11	39		16	24.4	0.831	0.038	0.11
07/06/11	Trib 24	14		17.3	10.6	0.41	< 0.02	0.022
07/06/11	Trib 27 (New Church Ditch Inlet)	22		16.7	16.4	0.864	0.038	0.076
07/06/11	Trib 03 (Coors Discharge)	10						
08/03/11	Trib 01	39		15.5	26.2		0.054	0.1
08/03/11	Trib 02	46		14.9	31.8		0.054	0.1
08/03/11	Trib 03	51		15.5	34.7		0.051	0.12
08/03/11	Trib 11	21		17	9.3	0.472	0.059	0.061
08/03/11	Trib 24	16		17.7	8.6			
08/03/11	Trib 27 (New Church Ditch Inlet)	18		17.2	8.7		0.036	0.051
09/14/11	Trib 01	2	50	12.6	2.3		0.092	0.1
09/14/11	Trib 02	2	48	17.7	2.2		0.092	0.092
09/14/11	Trib 03	4	50	17	2.3		0.022	0.05
09/14/11	Trib 11	10	48	17	6.9	0.33	0.022	0.05
09/14/11	Trib 24	12	43	19.2	9.1	0.521	< 0.02	< 0.02
09/14/11	Trib 27 (New Church Ditch Inlet)	1	48	14.6	1.3	0.346	0.031	0.031
10/05/11	Trib 01	< 1		11.8	1.3		0.092	0.1
10/05/11	Trib 02	2		16.4	1.5		0.087	0.1
10/05/11	Trib 03	< 1		17.6	1.6		0.067	0.072
10/05/11	Trib 11	< 1		17	3.8		0.03	0.036
10/05/11	Trib 22d	1		13	4.4		< 0.02	< 0.02
10/05/11	Trib 24	< 1		19.2	3.8		< 0.02	< 0.02
11/02/11	LDC (81st Ave)	37			25.2		LE	
11/03/11	Trib 01	2		1.9	3		LE	0.23
11/03/11	Trib 02	< 1		6.7	2.3		LE	0.2
11/03/11	Trib 03	1		6.3	2.3		LE	0.18
11/03/11	Trib 04	5		3	32.3		LE	0.14
11/03/11	Trib 24	< 1		12.7	3.9	0.354	LE	< 0.02
12/07/11	Trib 01	5	113	2.9	< 1		0.25	0.25
12/07/11	Trib 02	4	105	5.4	1.2		0.18	0.2
12/07/11	Trib 03	5	100	5.9	1.7		0.15	0.17
12/07/11	Trib 04	25	93	1.6	27.1		0.05	0.12
12/07/11	Trib 22d	10	45	4.2	5.7		< 0.02	< 0.02
12/07/11	Trib 24	7	46	9.5	1.8		< 0.02	< 0.02

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S indicates a suspect value.

Blank cell indicates no result.

Table 4: Canal Zone Auto-Sampler Data								
Sample Date	Location ID	Arsenic, Dissolved ICP/MS (mg/L)	Arsenic, Total, ICP/MS (mg/L)	Cadmium, Dissolved, ICP/MS (mg/L)	Cadmium, Total, ICP/MS (mg/L)	Carbon, Total Organic (mg/L0)	Conductivity (Specific) (µS/cm)	Copper, Dissolved, ICP/MS (mg/L)
04/08/11	CC AS T11 Event					1.5	445	
04/09/11	CC AS T11 Event					1.5	433	
04/24/11	CC AS T11	< 0.001	< 0.001	< 0.0005	< 0.0005	1.7	415	0.003
04/25/11	CC AS T11	< 0.001	< 0.001	< 0.0005	< 0.0005	1.9	405	0.0034
05/18/11	CC AS T11 Event	< 0.001	0.0028	< 0.0005	0.0021	5.1	336	0.0075
05/25/11	CC AS T27 Event	< 0.001	< 0.001	< 0.0005	0.0008	3.1	294	0.009
05/31/11	CC AS T11	< 0.001	< 0.001	< 0.0005	0.0016	3.6	223	0.007
06/01/11	CC AS T11	< 0.001	< 0.001	< 0.0005	0.001	3.4	207	0.0074
06/26/11	CC AS T11	< 0.001	< 0.001	< 0.0005	0.0006	2.4	107	0.0058
06/27/11	CC AS T11	< 0.001	< 0.001	< 0.0005	0.0005	2.7	94	0.0081
07/07/11	CC AS T11 Event	< 0.001	0.0019	< 0.0005	0.001	4	129	0.0053
07/08/11	CC AS T11 Event	< 0.001	0.0035	< 0.0005	0.001	2.7	109	0.005
07/12/11	CC AS T11 Event	< 0.001	0.0057	< 0.0005	0.0009	2.8	100	0.0048
07/14/11	CC AS T11 Event	< 0.001	0.001	< 0.0005	0.0007	2.7	138	0.004
07/24/11	CC AS T11	< 0.001	< 0.001	< 0.0005	< 0.0005	1.6	116	0.0027
07/25/11	CC AS T11	< 0.001	< 0.001	< 0.0005	< 0.0005	1.3	111	0.0027
07/27/11	CC AS T11 Event	< 0.001	< 0.001	< 0.0005	0.0006	1.6	148	0.0024
07/28/11	CC AS T11 Event	< 0.001	0.012	< 0.0005	0.0012	2	163	0.0041
08/29/11	CC AS T11					1.1		
08/30/11	CC AS T11					1.4		
09/28/11	CC AS T11	< 0.001	< 0.001	< 0.0005	< 0.0005	1	217	< 0.002
09/29/11	CC AS T11	< 0.001	< 0.001	< 0.0005	< 0.0005	1.1	217	0.0021
10/23/11	CC AS T11	< 0.001	< 0.001	< 0.0005	< 0.0005	1.2	263	0.0024
10/24/11	CC AS T11	< 0.001	< 0.001	< 0.0005	< 0.0005	< 1	258	0.0027
11/03/11	CC AS T03	< 0.001	< 0.001	< 0.0005	0.00054	1	353	0.0049
11/04/11	CC AS T03	< 0.001	< 0.001	< 0.0005	0.0006	1.1	335	0.0029
11/04/11	CC AS T04	0.001	0.0032	< 0.0005	0.00082	1.8	417	0.0026
11/05/11	CC AS T03	< 0.001	< 0.001	< 0.0005	0.00056	1	337	0.0029
11/05/11	CC AS T04	< 0.001	0.0028	< 0.0005	0.00072	1.4	365	< 0.002
11/06/11	CC AS T03	< 0.001	< 0.001	< 0.0005	0.00058	< 1	330	0.0032
11/06/11	CC AS T04	< 0.001	0.0021	< 0.0005	< 0.0005	1.2	353	< 0.002
11/07/11	CC AS T04	< 0.001	0.0019	< 0.0005	0.00052	1.2	346	0.0069

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Table 4: Canal Zone Auto-Sampler Data								
Sample Date	Location ID	Copper, Total, ICP/MS (mg/L)	Iron, Dissolved (mg/L)	Iron, Total (mg/L)	Lead, Dissolved, ICP/MS (mg/L)	Lead, Total, ICP/MS (mg/L)	Manganese, Dissolved, ICP/MS (mg/L)	Manganese, Total, ICP/MS (mg/L)
04/08/11	CC AS T11 Event							
04/09/11	CC AS T11 Event							
04/24/11	CC AS T11	0.0047	< 0.02	0.11	< 0.0005	0.00056	< 0.002	0.037
04/25/11	CC AS T11	0.0048	< 0.02	0.11	< 0.0005	0.00054	< 0.002	0.041
05/18/11	CC AS T11 Event	0.0434	0.13	7	0.00053	0.026	< 0.002	0.63
05/25/11	CC AS T27 Event	0.0206	0.17	1.2	0.0006	0.0048	< 0.002	0.15
05/31/11	CC AS T11	0.0426	0.16	4.8	0.0007	0.018	0.0074	0.58
06/01/11	CC AS T11	0.0292	0.16	2.9	0.00061	0.011	0.0076	0.33
06/26/11	CC AS T11	0.0336	0.09	1.9	0.0008	0.01	0.015	0.3
06/27/11	CC AS T11	0.0378	0.082	1.7	0.0005	0.0005	0.01	0.23
07/07/11	CC AS T11 Event	0.0253	0.17	6.7	0.0007	0.023	0.0061	0.48
07/08/11	CC AS T11 Event	0.0385	0.13	7.6	0.001	0.06	0.0074	0.55
07/12/11	CC AS T11 Event	0.0427	0.1	7.7	0.0009	0.1	0.0047	0.5
07/14/11	CC AS T11 Event	0.0254	0.12	10	0.0005	0.019	0.0045	0.43
07/24/11	CC AS T11	0.0087	0.072	1.1	< 0.0005	0.0058	0.0035	0.16
07/25/11	CC AS T11	0.0073	0.069	0.88	< 0.0005	0.0048	0.0037	0.002
07/27/11	CC AS T11 Event	0.0194	0.14	14	< 0.0005	0.012	0.0035	0.36
07/28/11	CC AS T11 Event	0.0928	0.13	12	0.0014	0.2	0.0057	0.45
08/29/11	CC AS T11							
08/30/11	CC AS T11							
09/28/11	CC AS T11	0.0051	< 0.02	0.36	< 0.0005	0.0028	< 0.002	0.053
09/29/11	CC AS T11	0.0055	< 0.02	0.35	< 0.0005	0.0028	< 0.002	0.053
10/23/11	CC AS T11	0.004	< 0.02	0.17	< 0.0005	0.0011	< 0.002	0.033
10/24/11	CC AS T11	0.0041	< 0.02	0.21	< 0.0005	0.0012	< 0.002	0.04
11/03/11	CC AS T03	0.0074	0.021	0.23	< 0.0005	0.0022	0.1	0.2
11/04/11	CC AS T03	0.0069	0.024	0.28	< 0.0005	0.0016	0.13	0.21
11/04/11	CC AS T04	0.025	0.03	2.9	< 0.0005	0.025	0.0021	0.26
11/05/11	CC AS T03	0.0067	< 0.02	0.22	< 0.0005	0.0018	0.13	0.2
11/05/11	CC AS T04	0.021	0.021	2.6	< 0.0005	0.021	0.026	0.26
11/06/11	CC AS T03	0.0062	< 0.02	0.2	< 0.0005	0.0012	0.14	0.2
11/06/11	CC AS T04	0.014	0.022	1.4	< 0.0005	0.014	0.032	0.18
11/07/11	CC AS T04	0.012	< 0.02	1.2	< 0.0005	0.011	0.047	0.16

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 S indicates a suspect value.
 Blank cell indicates no result.

Table 4: Canal Zone Auto-Sampler Data								
Sample Date	Location ID	Molybdenum, Dissolved, ICP/MS (mg/L)	Molybdenum, Total, ICP/MS (mg/L)	Nitrogen, Ammonia (Salicylate) (mg/L)	Nitrogen, Nitrate+Nitrite (mg/L)	Nitrogen, Total Nitrogen (mg/L)	pH (su)	Phosphorus, Dissolved (mg/L)
04/08/11	CC AS T11 Event			0.02	0.26	0.42	8.1	< 0.0025
04/09/11	CC AS T11 Event			0.02	0.22	0.4	8.1	< 0.0025
04/24/11	CC AS T11	0.0045	0.0052	0.02	0.17	0.39	7.9	< 0.0025
04/25/11	CC AS T11	0.0037	0.0035	0.02	0.22	0.45	8	< 0.0025
05/18/11	CC AS T11 Event	0.0034	0.0038	0.07	0.3	2.1	7.9	0.0714
05/25/11	CC AS T27 Event	0.0024	0.0024	< 0.01	0.19	0.48	7.6	0.0098
05/31/11	CC AS T11	0.003	0.0023	0.01	0.16	0.59	7.9	0.008
06/01/11	CC AS T11	0.0027	0.0026	0.01	0.15	0.51	7.8	0.009
06/26/11	CC AS T11	0.0022	0.0022	< 0.01	0.11	0.3	7.2	0.0058
06/27/11	CC AS T11	< 0.002	< 0.002	0.01	0.12	0.39	7.4	0.0081
07/07/11	CC AS T11 Event	< 0.002	0.0023	0.07	0.21	1.6	7.4	0.164
07/08/11	CC AS T11 Event	< 0.002	0.003	< 0.01	0.14	1.3	7.2	0.0086
07/12/11	CC AS T11 Event	< 0.002	0.0033	< 0.01	0.13	1.3	7.5	0.0132
07/14/11	CC AS T11 Event	< 0.002	0.0023	0.02	0.16	0.99	7.6	0.0188
07/24/11	CC AS T11	< 0.002	< 0.002	< 0.01	0.09	0.26	8	< 0.0025
07/25/11	CC AS T11	< 0.002	0.002	< 0.01	0.09	0.3	7.9	0.0025
07/27/11	CC AS T11 Event	< 0.002	< 0.002	< 0.01	0.14	4.2	7.2	0.007
07/28/11	CC AS T11 Event	< 0.002	0.0025	0.02	0.14	6	7.2	0.0058
08/29/11	CC AS T11			0.02	0.09	0.36		0.0025
08/30/11	CC AS T11			0.02	0.1	0.33		0.003
09/28/11	CC AS T11	0.0025	0.003	0.01	0.11	0.29	7.7	0.0044
09/29/11	CC AS T11	0.0026	0.0031	0.01	0.11	0.37	7.9	0.0061
10/23/11	CC AS T11	0.0027	0.0029	0.01	0.14	0.41	7.5	0.0045
10/24/11	CC AS T11	0.0027	0.003	0.01	0.16	0.28	7.6	0.0044
11/03/11	CC AS T03	0.0029	0.0031	< 0.01	0.24	0.45	7.1	0.0036
11/04/11	CC AS T03	0.0027	0.0032	< 0.01	0.27	0.43	7.2	< 0.0025
11/04/11	CC AS T04	0.0029	0.0029	< 0.01	0.14	0.42	7.5	0.0072
11/05/11	CC AS T03	0.0028	0.0034	< 0.01	0.27	0.44	7.4	< 0.0025
11/05/11	CC AS T04	0.0027	0.0027	< 0.01	0.24	0.56	7.6	0.0044
11/06/11	CC AS T03	0.0029	0.0034	< 0.01	0.27	0.36	7.5	< 0.0025
11/06/11	CC AS T04	0.003	0.0032	< 0.01	0.23	0.48	7.6	0.0044
11/07/11	CC AS T04	0.0032	0.0034	< 0.01	0.23	0.43	7.6	0.0036

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 S indicates a suspect value.
 Blank cell indicates no result.

Table 4: Canal Zone Auto-Sampler Data								
Sample Date	Location ID	Phosphorus, Total (mg/L)	Phosphorus, Total (SGS) (mg/L)	Solids, Total Suspended (mg/L)	Temperature °C	Turbidity (NTU)	Zinc, Dissolved, ICP/MS (mg/L)	Zinc, Total, ICP/MS (mg/L)
04/08/11	CC AS T11 Event	0.0094	0.02	< 1	12.5	4.5		
04/09/11	CC AS T11 Event	0.0123	0.01	5	11.9	4.8		
04/24/11	CC AS T11	0.0076		11	10.1	3.5	0.032	0.055
04/25/11	CC AS T11	0.0083		12	12	3.9	0.053	0.067
05/18/11	CC AS T11 Event	0.342		107	7.9	102	0.063	0.41
05/25/11	CC AS T27 Event	0.0239	S 1.3	15	14.4	14.4	0.15	0.22
05/31/11	CC AS T11	0.0754		86	17.4	41.1	0.086	0.39
06/01/11	CC AS T11	0.0447		53	17.3	35.2	0.078	0.26
06/26/11	CC AS T11	0.0336		51	20.9	29.2	0.033	0.14
06/27/11	CC AS T11	0.0378		40	18.6	28.6	0.034	0.12
07/07/11	CC AS T11 Event	0.533		233	23.6	155	0.021	0.25
07/08/11	CC AS T11 Event	0.086		158	22.4	135	0.03	0.26
07/12/11	CC AS T11 Event	0.102	0.19	133	21.9	130	0.03	0.23
07/14/11	CC AS T11 Event	0.109	0.19	S 25	21.7	136	0.03	0.23
07/24/11	CC AS T11	0.0227		27	24.6	23.2	0.032	0.082
07/25/11	CC AS T11	0.0223		22	22.1	17.4	0.029	0.069
07/27/11	CC AS T11 Event	0.086	S 0.25	148	22.5	146	0.032	0.15
07/28/11	CC AS T11 Event	0.088		168	22.5	180	0.042	0.36
08/29/11	CC AS T11	0.0138		7				
08/30/11	CC AS T11	0.0184		17				
09/28/11	CC AS T11	0.0136		10	18	5.7	0.028	0.043
09/29/11	CC AS T11	0.0202		11	17.5	5.3	0.03	0.046
10/23/11	CC AS T11	0.0088		4	13.1	3	0.047	0.047
10/24/11	CC AS T11	0.0083		2	12.9	3.3	0.038	0.049
11/03/11	CC AS T03	0.012		3	10	2.8	0.14	0.16
11/04/11	CC AS T03	0.0115		5	9.6	2.3	0.14	0.18
11/04/11	CC AS T04	0.097		66	5.6	44.7	0.035	0.18
11/05/11	CC AS T03	0.0085		4	8.9	2.6	0.14	0.16
11/05/11	CC AS T04	0.051		59	5.3	34.6	0.046	0.16
11/06/11	CC AS T03	0.0078		1	8.6	1.7	0.14	0.16
11/06/11	CC AS T04	0.0264		40	5.3	21.1	0.052	0.12
11/07/11	CC AS T04	0.0222		28	5.8	17.2	0.061	0.11

< indicates a value below the detection limit.
 S indicates a suspect value.
 Blank cell indicates no result.

Table 5: Standley Lake Water-Quality Data											
Sample Date	Location ID	Algae (FlowCam) (units/mL)	Arsenic, Dissolved ICP/MS (mg/L)	Arsenic, Total, ICP/MS (mg/L)	Barium, Dissolved, ICP/MS (mg/L)	Barium, Total, ICP/MS (mg/L)	Beryllium, Dissolved, ICP/MS (mg/L)	Beryllium, Total, ICP/MS (mg/L)	BTEX, Benzene (mg/L)	BTEX, Ethylbenzene (mg/L)	BTEX, Toluene (mg/L)
03/10/11	SL 10-00										
03/10/11	SL 10-70										
03/10/11	SL 10-PZ	548									
03/10/11	Trib 24										
03/21/11	SL 10-00										
03/21/11	SL 10-70										
03/21/11	SL 10-PZ	305									
03/21/11	Trib 24										
04/06/11	SL 10-00										
04/06/11	SL 10-70										
04/06/11	SL 10-PZ	231									
04/06/11	SL 69-00								< 0.0005	< 0.0005	< 0.0005
04/06/11	Trib 24										
04/20/11	SL 10-00										
04/20/11	SL 10-70										
04/20/11	SL 10-PZ	221									
04/20/11	Trib 24	212									
05/02/11	SL 10-00										
05/02/11	SL 10-70										
05/02/11	SL 10-PZ	351									
05/02/11	Trib 24										
05/25/11	SL 10-00										
05/25/11	SL 10-70										
05/25/11	SL 10-PZ	138									
05/25/11	SL 69-00								< 0.0005	< 0.0005	< 0.0005
06/07/11	SL 10-00										
06/07/11	SL 10-70		< 0.001	< 0.001	0.051	0.054	< 0.001	< 0.001			
06/07/11	SL 10-PZ	115	< 0.001	< 0.001	0.044	0.047	< 0.001	< 0.001			
06/21/11	SL 10-00										
06/21/11	SL 10-70										
06/21/11	SL 10-PZ	56									
06/21/11	SL 69-00								< 0.0005	< 0.0005	0.001
07/05/11	SL 10-00										
07/05/11	SL 10-70										
07/05/11	SL 10-PZ	107									
07/05/11	Trib 24										
07/18/11	SL 10-00										
07/18/11	SL 10-70		< 0.001								
07/18/11	SL 10-PZ	62	< 0.001	< 0.001							

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 LE indicates a lab error.
 Blank cell indicates no result.

Table 5: Standley Lake Water-Quality Data											
Sample Date	Location ID	Algae (FlowCam) (units/mL)	Arsenic, Dissolved ICP/MS (mg/L)	Arsenic, Total, ICP/MS (mg/L)	Barium, Dissolved, ICP/MS (mg/L)	Barium, Total, ICP/MS (mg/L)	Beryllium, Dissolved, ICP/MS (mg/L)	Beryllium, Total, ICP/MS (mg/L)	BTEX, Benzene (mg/L)	BTEX, Ethylbenzene (mg/L)	BTEX, Toluene (mg/L)
07/18/11	SL 69-00								< 0.0005	< 0.0005	< 0.0005
08/03/11	SL 10-00										
08/03/11	SL 10-70										
08/03/11	SL 10-PZ	68									
08/03/11	Trib 24										
08/22/11	SL 10-00										
08/22/11	SL 10-70		< 0.001	< 0.001	0.035	0.049	< 0.001	< 0.001			
08/22/11	SL 10-PZ	202	< 0.001	< 0.001	0.036	0.038	< 0.001	< 0.001			
08/22/11	SL 69-00								< 0.0005	< 0.0005	0.0006
09/12/11	SL 10-00										
09/12/11	SL 10-70										
09/12/11	SL 10-PZ	251									
10/03/11	SL 10-00										
10/03/11	SL 10-70		0.0023	0.0028							
10/03/11	SL 10-PZ	389	< 0.001	< 0.001							
10/19/11	SL 10-00										
10/19/11	SL 10-70		< 0.001	0.001	0.04	0.044	< 0.001	< 0.001			
10/19/11	SL 10-PZ	198	< 0.001	0.0011	0.04	0.044	< 0.001	< 0.001			
10/19/11	SL 69-00								< 0.0005	< 0.0005	< 0.0005
10/19/11	Trib 24										
11/10/11	SL 10-00										
11/10/11	SL 10-70										
11/10/11	SL 10-PZ	443									
11/10/11	Trib 24	373									
11/29/11	SL 10-00										
11/29/11	SL 10-70										
11/29/11	SL 10-PZ	833									
11/29/11	Trib 24	908									

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 S indicates a suspect value.
 LE indicates a lab error.
 Blank cell indicates no result.

Table 5: Standley Lake Water-Quality Data										
Sample Date	Location ID	BTEX, Total Xylenes (mg/L)	Cadmium, Dissolved, ICP/MS (mg/L)	Cadmium, Total, ICP/MS (mg/L)	Carbon, Total Organic (mg/L)	Chlorophyll a (Field) (µg/L)	Chlorophyll a (Methanol) (µg/L)	Chromium, Dissolved, ICP/MS (mg/L)	Chromium, Total, ICP/MS (mg/L)	Coliform, E-coli, Colilert (count/mL)
03/10/11	SL 10-00					< 1				4
03/10/11	SL 10-70				1.9	3.8				4
03/10/11	SL 10-PZ				1.8		3.4			
03/10/11	Trib 24									
03/21/11	SL 10-00					1.2				
03/21/11	SL 10-70					4.3				
03/21/11	SL 10-PZ						3.7			
03/21/11	Trib 24									
04/06/11	SL 10-00					6.7				1
04/06/11	SL 10-70				1.9	6.5				< 1
04/06/11	SL 10-PZ				2		5.8			
04/06/11	SL 69-00	< 0.001								
04/06/11	Trib 24						3.7			
04/20/11	SL 10-00					1.7				
04/20/11	SL 10-70					6				
04/20/11	SL 10-PZ						1.3			
04/20/11	Trib 24						< 1			
05/02/11	SL 10-00					3.7				< 1
05/02/11	SL 10-70				1.8	6				< 1
05/02/11	SL 10-PZ				1.8		< 1			
05/02/11	Trib 24									
05/25/11	SL 10-00					1.8				
05/25/11	SL 10-70					2.1				
05/25/11	SL 10-PZ						1			
05/25/11	SL 69-00	< 0.001								
06/07/11	SL 10-00					1.5				< 1
06/07/11	SL 10-70		< 0.0005	< 0.0005	1.8	1.2		< 0.001	< 0.001	< 1
06/07/11	SL 10-PZ		< 0.0005	< 0.0005	2		< 1	< 0.001	< 0.001	
06/21/11	SL 10-00					1.7				
06/21/11	SL 10-70					1.9				
06/21/11	SL 10-PZ						< 1			
06/21/11	SL 69-00	< 0.001								
07/05/11	SL 10-00					2.2				1
07/05/11	SL 10-70				2.2	1.9				5
07/05/11	SL 10-PZ				2.5		1.3			
07/05/11	Trib 24									
07/18/11	SL 10-00					2				
07/18/11	SL 10-70					1.4				
07/18/11	SL 10-PZ						1.5			

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 S indicates a suspect value.
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 Blank cell indicates no result.

Table 5: Standley Lake Water-Quality Data										
Sample Date	Location ID	BTEX, Total Xylenes (mg/L)	Cadmium, Dissolved, ICP/MS (mg/L)	Cadmium, Total, ICP/MS (mg/L)	Carbon, Total Organic (mg/L)	Chlorophyll a (Field) (µg/L)	Chlorophyll a (Methanol) (µg/L)	Chromium, Dissolved, ICP/MS (mg/L)	Chromium, Total, ICP/MS (mg/L)	Coliform, E-coli, Colilert (count/mL)
07/18/11	SL 69-00	< 0.001								
08/03/11	SL 10-00					2.1				< 1
08/03/11	SL 10-70				2	1.1				2
08/03/11	SL 10-PZ				2.1		1			
08/03/11	Trib 24									
08/22/11	SL 10-00					1.2				
08/22/11	SL 10-70		< 0.0005	< 0.0005		1.4		< 0.001	< 0.001	
08/22/11	SL 10-PZ		< 0.0005	< 0.0005			2.8	< 0.001	< 0.001	
08/22/11	SL 69-00	< 0.001								
09/12/11	SL 10-00					2.6				< 1
09/12/11	SL 10-70				2.3	2				57
09/12/11	SL 10-PZ				2		1.5			
10/03/11	SL 10-00					2.5				< 1
10/03/11	SL 10-70				2.7	2				153
10/03/11	SL 10-PZ				1.8		3.8			
10/19/11	SL 10-00					3.1				
10/19/11	SL 10-70		< 0.0005	< 0.0005		4.6		< 0.001	< 0.001	
10/19/11	SL 10-PZ		< 0.0005	< 0.0005			6.1	< 0.001	< 0.001	
10/19/11	SL 69-00	< 0.001								
10/19/11	Trib 24									
11/10/11	SL 10-00					2.8				57
11/10/11	SL 10-70				1.4	6.8				23
11/10/11	SL 10-PZ				1.7		5.3			
11/10/11	Trib 24									
11/29/11	SL 10-00					4.5				
11/29/11	SL 10-70					7.2				
11/29/11	SL 10-PZ						6.5			
11/29/11	Trib 24						5.4			

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 S indicates a suspect value.
 LE indicates a lab error.
 Blank cell indicates no result.

Table 5: Standley Lake Water-Quality Data											
Sample Date	Location ID	Conductivity (Specific) (µS/cm)	Copper, Dissolved, ICP/MS (mg/L)	Copper, Total, ICP/MS (mg/L)	Gross Alpha (Pi/L)	Gross Alpha (+- Precision) (Pi/L)	Gross Beta (Pi/L)	Gross Beta (+- Precision) (Pi/L)	Hardness, Total (mg/L)	Iron, Dissolved (mg/L)	Iron, Total (mg/L)
03/10/11	SL 10-00	330			0.5	1.6	0.7	2.1			
03/10/11	SL 10-70	331			1.1	1.7	1.4	2.2	132		
03/10/11	SL 10-PZ				3.2	2.1	2.4	2.2	132		
03/10/11	Trib 24										
03/21/11	SL 10-00	329									
03/21/11	SL 10-70	208									
03/21/11	SL 10-PZ										
03/21/11	Trib 24										
04/06/11	SL 10-00	333									
04/06/11	SL 10-70	334							144		
04/06/11	SL 10-PZ								144		
04/06/11	SL 69-00										
04/06/11	Trib 24										
04/20/11	SL 10-00	337									
04/20/11	SL 10-70	337									
04/20/11	SL 10-PZ										
04/20/11	Trib 24										
05/02/11	SL 10-00	344									
05/02/11	SL 10-70	345							136		
05/02/11	SL 10-PZ								124		
05/02/11	Trib 24										
05/25/11	SL 10-00	346									
05/25/11	SL 10-70	350									
05/25/11	SL 10-PZ										
05/25/11	SL 69-00										
06/07/11	SL 10-00	269			0.8	1.7	0.3	2			
06/07/11	SL 10-70	333	< 0.002	< 0.002	0.5	1.4	0	2	136	< 0.02	0.24
06/07/11	SL 10-PZ		0.0024	0.0032	0.5	1.8	0	2.1	140	0.035	0.14
06/21/11	SL 10-00	246									
06/21/11	SL 10-70	335									
06/21/11	SL 10-PZ										
06/21/11	SL 69-00										
07/05/11	SL 10-00	268									
07/05/11	SL 10-70	326							136		
07/05/11	SL 10-PZ								112		
07/05/11	Trib 24										
07/18/11	SL 10-00	256									
07/18/11	SL 10-70	315									
07/18/11	SL 10-PZ										

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 S indicates a suspect value.
 LE indicates a lab error.
 Blank cell indicates no result.

Table 5: Standley Lake Water-Quality Data											
Sample Date	Location ID	Conductivity (Specific) (µS/cm)	Copper, Dissolved, ICP/MS (mg/L)	Copper, Total, ICP/MS (mg/L)	Gross Alpha (Pi/L)	Gross Alpha (+- Precision) (Pi/L)	Gross Beta (Pi/L)	Gross Beta (+- Precision) (Pi/L)	Hardness, Total (mg/L)	Iron, Dissolved (mg/L)	Iron, Total (mg/L)
07/18/11	SL 69-00										
08/03/11	SL 10-00	243									
08/03/11	SL 10-70	305									
08/03/11	SL 10-PZ										
08/03/11	Trib 24										
08/22/11	SL 10-00	231			1	1.2	0	2			
08/22/11	SL 10-70	292	< 0.002	0.0029	2	1.6	3.2	2.3	116	< 0.02	0.77
08/22/11	SL 10-PZ		< 0.002	0.0021	1.6	1.6	0	2	104	< 0.02	0.057
08/22/11	SL 69-00										
09/12/11	SL 10-00	231									
09/12/11	SL 10-70	300									
09/12/11	SL 10-PZ										
10/03/11	SL 10-00	231									
10/03/11	SL 10-70	296							152		
10/03/11	SL 10-PZ								144		
10/19/11	SL 10-00	232			1.2	1.8	1	2.1			
10/19/11	SL 10-70	233	< 0.002	< 0.002	1.7	2	0	2		< 0.02	0.2
10/19/11	SL 10-PZ		< 0.002	0.0025	0.7	1.7	0	2		< 0.02	0.57
10/19/11	SL 69-00										
10/19/11	Trib 24										
11/10/11	SL 10-00	239							LE		
11/10/11	SL 10-70	251							LE		
11/10/11	SL 10-PZ										
11/10/11	Trib 24										
11/29/11	SL 10-00	248									
11/29/11	SL 10-70	249									
11/29/11	SL 10-PZ										
11/29/11	Trib 24										

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 S indicates a suspect value.
 LE indicates a lab error.
 Blank cell indicates no result.

Table 5: Standley Lake Water-Quality Data										
Sample Date	Location ID	Lead, Dissolved, ICP/MS (mg/L)	Lead, Total, ICP/MS (mg/L)	Manganese, Dissolved, ICP/MS (mg/L)	Manganese, Total (mg/L)	Manganese, Total, ICP/MS (mg/L)	Mercury, Dissolved, ICP/MS (mg/L)	Mercury, Total, ICP/MS (mg/L)	Molybdenum, Dissolved, ICP/MS (mg/L)	Molybdenum, Total, ICP/MS (mg/L)
03/10/11	SL 10-00									
03/10/11	SL 10-70									
03/10/11	SL 10-PZ									
03/10/11	Trib 24									
03/21/11	SL 10-00									
03/21/11	SL 10-70									
03/21/11	SL 10-PZ									
03/21/11	Trib 24									
04/06/11	SL 10-00									
04/06/11	SL 10-70									
04/06/11	SL 10-PZ									
04/06/11	SL 69-00									
04/06/11	Trib 24									
04/20/11	SL 10-00									
04/20/11	SL 10-70									
04/20/11	SL 10-PZ									
04/20/11	Trib 24									
05/02/11	SL 10-00									
05/02/11	SL 10-70									
05/02/11	SL 10-PZ									
05/02/11	Trib 24									
05/25/11	SL 10-00									
05/25/11	SL 10-70									
05/25/11	SL 10-PZ									
05/25/11	SL 69-00									
06/07/11	SL 10-00									
06/07/11	SL 10-70	< 0.0005	0.00092	0.15		0.18		< 0.0002		
06/07/11	SL 10-PZ	< 0.0005	0.00093	0.038		0.045		< 0.0002		
06/21/11	SL 10-00									
06/21/11	SL 10-70									
06/21/11	SL 10-PZ									
06/21/11	SL 69-00									
07/05/11	SL 10-00									
07/05/11	SL 10-70									
07/05/11	SL 10-PZ									
07/05/11	Trib 24									
07/18/11	SL 10-00									
07/18/11	SL 10-70									
07/18/11	SL 10-PZ									

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 LE indicates a lab error.
 Blank cell indicates no result.

Table 5: Standley Lake Water-Quality Data										
Sample Date	Location ID	Lead, Dissolved, ICP/MS (mg/L)	Lead, Total, ICP/MS (mg/L)	Manganese, Dissolved, ICP/MS (mg/L)	Manganese, Total (mg/L)	Manganese, Total, ICP/MS (mg/L)	Mercury, Dissolved, ICP/MS (mg/L)	Mercury, Total, ICP/MS (mg/L)	Molybdenum, Dissolved, ICP/MS (mg/L)	Molybdenum, Total, ICP/MS (mg/L)
07/18/11	SL 69-00									
08/03/11	SL 10-00									
08/03/11	SL 10-70									
08/03/11	SL 10-PZ									
08/03/11	Trib 24									
08/22/11	SL 10-00									
08/22/11	SL 10-70	< 0.0005	0.00163	< 0.002		0.62				
08/22/11	SL 10-PZ	< 0.0005	< 0.0005	< 0.002		0.0099				
08/22/11	SL 69-00									
09/12/11	SL 10-00									
09/12/11	SL 10-70									
09/12/11	SL 10-PZ									
10/03/11	SL 10-00									
10/03/11	SL 10-70									
10/03/11	SL 10-PZ									
10/19/11	SL 10-00									
10/19/11	SL 10-70	< 0.0005	0.00061	< 0.002		0.026		< 0.0002	0.003	0.0034
10/19/11	SL 10-PZ	< 0.0005	0.0016	< 0.002		0.049		< 0.0002	0.0031	0.0032
10/19/11	SL 69-00									
10/19/11	Trib 24									
11/10/11	SL 10-00									
11/10/11	SL 10-70									
11/10/11	SL 10-PZ									
11/10/11	Trib 24									
11/29/11	SL 10-00									
11/29/11	SL 10-70									
11/29/11	SL 10-PZ									
11/29/11	Trib 24									

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 LE indicates a lab error.
 Blank cell indicates no result.

Table 5: Standley Lake Water-Quality Data									
Sample Date	Location ID	Nickel, Dissolved (mg/L)	Nickel, Dissolved, ICP/MS (mg/L)	Nickel, Total (mg/L)	Nickel, Total, ICP/MS (mg/L)	Nitrogen, Ammonia (Salicylate) (mg/L)	Nitrogen, Nitrate+N itrite (mg/L)	Nitrogen, Total Nitrogen (mg/L)	ORP (Oxidation Reduction) (mg/L)
03/10/11	SL 10-00								119
03/10/11	SL 10-70					0.02	0.04	0.26	140
03/10/11	SL 10-PZ					0.02	0.03	0.3	
03/10/11	Trib 24					0.01	0.05	0.27	
03/21/11	SL 10-00								60
03/21/11	SL 10-70					0.03	0.04	0.31	121
03/21/11	SL 10-PZ					0.03	0.04	0.26	
03/21/11	Trib 24					0.02	0.05	0.25	
04/06/11	SL 10-00								92
04/06/11	SL 10-70					< 0.01	0.03	0.18	102
04/06/11	SL 10-PZ					< 0.01	0.03	0.26	
04/06/11	SL 69-00								
04/06/11	Trib 24								
04/20/11	SL 10-00								35
04/20/11	SL 10-70					0.03	0.01	0.23	61
04/20/11	SL 10-PZ					0.02	0.01	0.3	
04/20/11	Trib 24								
05/02/11	SL 10-00								44.1
05/02/11	SL 10-70					0.02	< 0.01	0.27	76
05/02/11	SL 10-PZ					0.01	< 0.01	0.28	
05/02/11	Trib 24								
05/25/11	SL 10-00								112
05/25/11	SL 10-70					0.1	0.02	0.36	138
05/25/11	SL 10-PZ					0.02	0.02	0.32	
05/25/11	SL 69-00								
06/07/11	SL 10-00								64
06/07/11	SL 10-70		< 0.005		< 0.005	0.09	0.03	0.39	87
06/07/11	SL 10-PZ		< 0.005		< 0.005	0.01	0.04	0.27	
06/21/11	SL 10-00								186
06/21/11	SL 10-70					< 0.01	0.22	0.4	195
06/21/11	SL 10-PZ					0.02	0.04	0.29	
06/21/11	SL 69-00								
07/05/11	SL 10-00								148
07/05/11	SL 10-70					0.1	0.05	0.58	159
07/05/11	SL 10-PZ					< 0.01	0.02	0.28	
07/05/11	Trib 24								
07/18/11	SL 10-00								203
07/18/11	SL 10-70					0.01	0.21	0.53	225
07/18/11	SL 10-PZ					0.02	0.03	0.36	

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 S indicates a suspect value.
 LE indicates a lab error.
 Blank cell indicates no result.

Table 5: Standley Lake Water-Quality Data									
Sample Date	Location ID	Nickel, Dissolved (mg/L)	Nickel, Dissolved, ICP/MS (mg/L)	Nickel, Total (mg/L)	Nickel, Total, ICP/MS (mg/L)	Nitrogen, Ammonia (Salicylate) (mg/L)	Nitrogen, Nitrate+Nitrite (mg/L)	Nitrogen, Total Nitrogen (mg/L)	ORP (Oxidation Reduction) (mg/L)
07/18/11	SL 69-00								
08/03/11	SL 10-00								130
08/03/11	SL 10-70					0.03	0.2	0.51	157
08/03/11	SL 10-PZ					< 0.01	0.02	0.23	
08/03/11	Trib 24								
08/22/11	SL 10-00								156
08/22/11	SL 10-70		< 0.005		< 0.005	0.11	0.13	0.5	133
08/22/11	SL 10-PZ		< 0.005		< 0.005	< 0.01	< 0.01	0.26	
08/22/11	SL 69-00								
09/12/11	SL 10-00								180
09/12/11	SL 10-70					0.33	< 0.01	0.68	107
09/12/11	SL 10-PZ					< 0.01	< 0.01	0.25	
10/03/11	SL 10-00								150
10/03/11	SL 10-70					0.56	< 0.01	0.86	154
10/03/11	SL 10-PZ					< 0.01	< 0.01	0.37	
10/19/11	SL 10-00								178
10/19/11	SL 10-70		< 0.005		< 0.005	< 0.01	< 0.01	0.27	166
10/19/11	SL 10-PZ		< 0.005		< 0.005	0.02	< 0.01	0.34	
10/19/11	SL 69-00								
10/19/11	Trib 24								
11/10/11	SL 10-00								169
11/10/11	SL 10-70					< 0.01	0.02	0.27	185
11/10/11	SL 10-PZ					< 0.01	< 0.01	0.22	
11/10/11	Trib 24								
11/29/11	SL 10-00								271
11/29/11	SL 10-70					< 0.01	< 0.01	0.19	276
11/29/11	SL 10-PZ					< 0.01	< 0.01	0.25	
11/29/11	Trib 24								

< indicates a value below the detection limit.
 S indicates a suspect value.
 LE indicates a lab error.
 Blank cell indicates no result.

Table 5: Standley Lake Water-Quality Data									
Sample Date	Location ID	Oxygen, Dissolved (mg/L)	pH (su)	Phosphorus, Dissolved (mg/L)	Phosphorus, Total (mg/L)	Secchi (m)	Selenium, Total, ICP/MS (mg/L)	Silver, Dissolved, ICP/MS (mg/L)	Silver, Total, ICP/MS (mg/L)
03/10/11	SL 10-00	11.3	8.2			3.5			
03/10/11	SL 10-70	11.1	8.2	< 0.0025	0.007				
03/10/11	SL 10-PZ			< 0.0025	0.0073				
03/10/11	Trib 24								
03/21/11	SL 10-00	10.8	8			3.25			
03/21/11	SL 10-70	10.4	8	< 0.0025	0.0113				
03/21/11	SL 10-PZ			< 0.0025	0.0083				
03/21/11	Trib 24								
04/06/11	SL 10-00	10.1	8.1			1.75			
04/06/11	SL 10-70	9.8	8.1	< 0.0025	0.0128				
04/06/11	SL 10-PZ			< 0.0025	0.0125				
04/06/11	SL 69-00								
04/06/11	Trib 24								
04/20/11	SL 10-00	9.7	8.1			2.5			
04/20/11	SL 10-70	9	8	< 0.0025	0.0116				
04/20/11	SL 10-PZ			< 0.0025	0.0086				
04/20/11	Trib 24								
05/02/11	SL 10-00	9.6	8.3			3			
05/02/11	SL 10-70	8.9	8.2	< 0.0025	0.012				
05/02/11	SL 10-PZ			< 0.0025	0.0098				
05/02/11	Trib 24								
05/25/11	SL 10-00	8.9	8.5			6.8			
05/25/11	SL 10-70	6.5	8.1	0.0052	0.0166				
05/25/11	SL 10-PZ			0.0025	0.0103				
05/25/11	SL 69-00								
06/07/11	SL 10-00	8.6	8			3.5			
06/07/11	SL 10-70	6.4	7.7	0.0035	0.0128		< 0.005	< 0.0005	< 0.0005
06/07/11	SL 10-PZ			0.005	0.0147		< 0.005	< 0.0005	< 0.0005
06/21/11	SL 10-00	7.7	7.7			4.2			
06/21/11	SL 10-70	5.1	7.5	0.0034	0.0144				
06/21/11	SL 10-PZ			0.0048	0.0123				
06/21/11	SL 69-00								
07/05/11	SL 10-00	7.7	8			2.75			
07/05/11	SL 10-70	2.1	7.2	0.0038	0.023				
07/05/11	SL 10-PZ			< 0.0025	0.013				
07/05/11	Trib 24								
07/18/11	SL 10-00	7.5	8.4			4.7			
07/18/11	SL 10-70	1.2	7.2	0.006	0.0166				
07/18/11	SL 10-PZ			0.0047	0.0084				

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 Blank cell indicates no result.

Table 5: Standley Lake Water-Quality Data									
Sample Date	Location ID	Oxygen, Dissolved (mg/L)	pH (su)	Phosphorus, Dissolved (mg/L)	Phosphorus, Total (mg/L)	Secchi (m)	Selenium, Total, ICP/MS (mg/L)	Silver, Dissolved, ICP/MS (mg/L)	Silver, Total, ICP/MS (mg/L)
07/18/11	SL 69-00								
08/03/11	SL 10-00	7.4	8.4			4.75			
08/03/11	SL 10-70	< 1	6.9	0.0046	0.0147				
08/03/11	SL 10-PZ			0.0033	0.0104				
08/03/11	Trib 24								
08/22/11	SL 10-00	7.3	8.3			3.8			
08/22/11	SL 10-70	< 1	6.8	0.0039	0.0271		LE	LE	LE
08/22/11	SL 10-PZ			0.01	0.0104		LE	LE	LE
08/22/11	SL 69-00								
09/12/11	SL 10-00	7.4	7.9			4.3			
09/12/11	SL 10-70	< 1	6.8	0.0231	0.1221				
09/12/11	SL 10-PZ			0.0038	0.0115				
10/03/11	SL 10-00	7.7	7.9			4			
10/03/11	SL 10-70	< 1	7	0.0278	0.05				
10/03/11	SL 10-PZ			< 0.0025	0.0112				
10/19/11	SL 10-00	7.5	7.4			1.4			
10/19/11	SL 10-70	7.3	7.6	0.0046	0.017		< 0.005	< 0.0005	< 0.0005
10/19/11	SL 10-PZ			0.0044	0.0156		< 0.005	< 0.0005	< 0.0005
10/19/11	SL 69-00								
10/19/11	Trib 24								
11/10/11	SL 10-00	9.2	7.7			3.25			
11/10/11	SL 10-70	8.7	7.7	0.0029	0.012				
11/10/11	SL 10-PZ			0.0029	0.0085				
11/10/11	Trib 24								
11/29/11	SL 10-00	10.3	8.3			2.3			
11/29/11	SL 10-70	10.1	8.2	0.0029	0.0118				
11/29/11	SL 10-PZ			< 0.0025	0.0085				
11/29/11	Trib 24								

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 Blank cell indicates no result.

Table 5: Standley Lake Water-Quality Data									
Sample Date	Location ID	Solids, Total Suspended (mg/L)	Temperature (°C)	Turbidity (NTU)	UV 254 (ABS)	Zinc, Dissolved (mg/L)	Zinc, Dissolved, ICP/MS (mg/L)	Zinc, Total (mg/L)	Zinc, Total, ICP/MS (mg/L)
03/10/11	SL 10-00		4.1	< 1					
03/10/11	SL 10-70	2	3.8	1.1	0.312				
03/10/11	SL 10-PZ	3			0.314				
03/10/11	Trib 24				0.301				
03/21/11	SL 10-00		6.2	< 1					
03/21/11	SL 10-70		5.7	1.6	0.322				
03/21/11	SL 10-PZ				0.314				
03/21/11	Trib 24				0.299				
04/06/11	SL 10-00		7.5	2.3					
04/06/11	SL 10-70	7	7.4	3.4	0.297				
04/06/11	SL 10-PZ	7			0.306				
04/06/11	SL 69-00								
04/06/11	Trib 24				0.291				
04/20/11	SL 10-00		9.4	1.6					
04/20/11	SL 10-70		8.8	6.3	0.296				
04/20/11	SL 10-PZ				0.317				
04/20/11	Trib 24				0.292				
05/02/11	SL 10-00		10	< 1					
05/02/11	SL 10-70	11	9.3	4.3	0.298				
05/02/11	SL 10-PZ	11			0.344				
05/02/11	Trib 24				0.286				
05/25/11	SL 10-00		12.1	< 1					
05/25/11	SL 10-70		10.8	10.4					
05/25/11	SL 10-PZ								
05/25/11	SL 69-00								
06/07/11	SL 10-00		18	< 1					
06/07/11	SL 10-70	13	12.1	3		< 0.02		< 0.02	
06/07/11	SL 10-PZ	10			0.5	< 0.02		< 0.02	
06/21/11	SL 10-00		18.1	1.8					
06/21/11	SL 10-70		12.9	10.6					
06/21/11	SL 10-PZ								
06/21/11	SL 69-00								
07/05/11	SL 10-00		21.9	< 1					
07/05/11	SL 10-70	13	12.9	14.9					
07/05/11	SL 10-PZ	6							
07/05/11	Trib 24				0.389				
07/18/11	SL 10-00		24.7	1.1					
07/18/11	SL 10-70		13.5	11.4	0.375				
07/18/11	SL 10-PZ				0.567				

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 S indicates a suspect value.
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 Blank cell indicates no result.

Table 5: Standley Lake Water-Quality Data									
Sample Date	Location ID	Solids, Total Suspended (mg/L)	Temperature (°C)	Turbidity (NTU)	UV 254 (ABS)	Zinc, Dissolved (mg/L)	Zinc, Dissolved, ICP/MS (mg/L)	Zinc, Total (mg/L)	Zinc, Total, ICP/MS (mg/L)
07/18/11	SL 69-00								
08/03/11	SL 10-00		24.4	1.3					
08/03/11	SL 10-70	14	13.7	12.3	0.424				
08/03/11	SL 10-PZ	4			0.499				
08/03/11	Trib 24				0.44				
08/22/11	SL 10-00		23.6	1.2					
08/22/11	SL 10-70		14.5	14	0.485		< 0.02		< 0.02
08/22/11	SL 10-PZ				0.446		< 0.02		< 0.02
08/22/11	SL 69-00								
09/12/11	SL 10-00		20.1	1.1					
09/12/11	SL 10-70	12	14.2	14.5	0.521				
09/12/11	SL 10-PZ	2			0.419				
10/03/11	SL 10-00		18.9	1.1					
10/03/11	SL 10-70	< 1	14.6	6.4	0.684				
10/03/11	SL 10-PZ	< 1			0.397				
10/19/11	SL 10-00		14.7	3.6					
10/19/11	SL 10-70		13.9	12.7	0.369		< 0.02		< 0.02
10/19/11	SL 10-PZ				0.392		< 0.02		< 0.02
10/19/11	SL 69-00								
10/19/11	Trib 24				0.37				
11/10/11	SL 10-00		9.3	1.6					
11/10/11	SL 10-70	6	8.9	5.3	0.354				
11/10/11	SL 10-PZ	7			0.354				
11/10/11	Trib 24				0.354				
11/29/11	SL 10-00		6.3	1.7					
11/29/11	SL 10-70		6.1	2					
11/29/11	SL 10-PZ								
11/29/11	Trib 24								

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 LE indicates a lab error.
 Blank cell indicates no result.

Sample Date	Location ID	Algae (FlowCam)	Algae < 50um	Algae >50 um	Anabaena	Anacystis	Anauraea	Ankistro desmus	Aphanizo menon	Aphanoc apsa	Aphanot hece
03/10/11	SL 10-00										
03/10/11	SL 10-70										
03/10/11	SL 10-PZ	548	60	488							
03/21/11	SL 10-00										
03/21/11	SL 10-70										
03/21/11	SL 10-PZ	305	57	248							
04/06/11	SL 10-00										
04/06/11	SL 10-70										
04/06/11	SL 10-PZ	231	82	149							
04/06/11	Trib 24	260	76	184							
04/20/11	SL 10-00										
04/20/11	SL 10-70										
04/20/11	SL 10-PZ	221	64	157							
04/20/11	Trib 24	212	32	180							
05/02/11	SL 10-00										
05/02/11	SL 10-70										
05/02/11	SL 10-PZ	351	103	248							
05/25/11	SL 10-00										
05/25/11	SL 10-70										
05/25/11	SL 10-PZ	138	136	2							
06/07/11	SL 10-00										
06/07/11	SL 10-70										
06/07/11	SL 10-PZ	115	112	3							
06/21/11	SL 10-00										
06/21/11	SL 10-70										
06/21/11	SL 10-PZ	56	54	2							
07/05/11	SL 10-00										
07/05/11	SL 10-70										
07/05/11	SL 10-PZ	107	104	3							
07/18/11	SL 10-00										
07/18/11	SL 10-70										
07/18/11	SL 10-PZ	62	47	15							
08/03/11	SL 10-00										
08/03/11	SL 10-70										
08/03/11	SL 10-PZ	68	60	8							
08/22/11	SL 10-00										
08/22/11	SL 10-70										
08/22/11	SL 10-PZ	202	175	27	1						
09/12/11	SL 10-00										
09/12/11	SL 10-70										
09/12/11	SL 10-PZ	251	207	44					18		
10/03/11	SL 10-00										
10/03/11	SL 10-70										
10/03/11	SL 10-PZ	389	298	91	10				71		
10/19/11	SL 10-00										
10/19/11	SL 10-70										
10/19/11	SL 10-PZ	198	158	40					13		
11/10/11	SL 10-00										
11/10/11	SL 10-70										
11/10/11	SL 10-PZ	443	215	228					3		
11/10/11	Trib 24	373	138	235							
11/29/11	SL 10-00										
11/29/11	SL 10-70										
11/29/11	SL 10-PZ	833	123	710				2			
11/29/11	Trib 24	908	285	623							

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 S indicates a suspect value.
 Blank cell indicates no result.

Table 6: Standley Lake Algae											
Sample Date	Location ID	Asterionella	Bacillariophyceae Other	Bacillariophyceae Totals	Ceratium	Chlamydomonas	Chlorococcum	Chlorophyceae Other	Chlorophyceae Totals	Closterium	Coelosporium
03/10/11	SL 10-00										
03/10/11	SL 10-70										
03/10/11	SL 10-PZ	438									
03/21/11	SL 10-00										
03/21/11	SL 10-70										
03/21/11	SL 10-PZ	167								1	
04/06/11	SL 10-00										
04/06/11	SL 10-70										
04/06/11	SL 10-PZ	117									
04/06/11	Trib 24										
04/20/11	SL 10-00										
04/20/11	SL 10-70										
04/20/11	SL 10-PZ	113									
04/20/11	Trib 24										
05/02/11	SL 10-00										
05/02/11	SL 10-70										
05/02/11	SL 10-PZ	223									
05/25/11	SL 10-00										
05/25/11	SL 10-70										
05/25/11	SL 10-PZ	1									
06/07/11	SL 10-00										
06/07/11	SL 10-70										
06/07/11	SL 10-PZ	1								2	
06/21/11	SL 10-00										
06/21/11	SL 10-70										
06/21/11	SL 10-PZ										
07/05/11	SL 10-00										
07/05/11	SL 10-70										
07/05/11	SL 10-PZ	2									
07/18/11	SL 10-00										
07/18/11	SL 10-70										
07/18/11	SL 10-PZ	5									
08/03/11	SL 10-00										
08/03/11	SL 10-70										
08/03/11	SL 10-PZ										
08/22/11	SL 10-00										
08/22/11	SL 10-70										
08/22/11	SL 10-PZ	3			10						
09/12/11	SL 10-00										
09/12/11	SL 10-70										
09/12/11	SL 10-PZ				6						
10/03/11	SL 10-00										
10/03/11	SL 10-70										
10/03/11	SL 10-PZ										
10/19/11	SL 10-00										
10/19/11	SL 10-70										
10/19/11	SL 10-PZ	14									
11/10/11	SL 10-00										
11/10/11	SL 10-70										
11/10/11	SL 10-PZ	187									
11/10/11	Trib 24										
11/29/11	SL 10-00										
11/29/11	SL 10-70										
11/29/11	SL 10-PZ	738									
11/29/11	Trib 24										

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 S indicates a suspect value.
 Blank cell indicates no result.

Table 6: Standley Lake Alc										
Sample Date	Location ID	Cryptophyceae Totals	Cyanophyceae Totals	Cyclops (FlowCam)	Cyclotella	Cymbella	Daphnia (FlowCam)	Dinobryon	Elakatothrix	Eudorina
03/10/11	SL 10-00			14			0.3			
03/10/11	SL 10-70									
03/10/11	SL 10-PZ	8						87	2	
03/21/11	SL 10-00			35			2			
03/21/11	SL 10-70									
03/21/11	SL 10-PZ	16						94		
04/06/11	SL 10-00			26			1			
04/06/11	SL 10-70									
04/06/11	SL 10-PZ	18						42		
04/06/11	Trib 24									
04/20/11	SL 10-00			36			1			
04/20/11	SL 10-70									
04/20/11	SL 10-PZ	22						2		
04/20/11	Trib 24									
05/02/11	SL 10-00			34			3			
05/02/11	SL 10-70									
05/02/11	SL 10-PZ	24						10		
05/25/11	SL 10-00			21			7			
05/25/11	SL 10-70									
05/25/11	SL 10-PZ	60								
06/07/11	SL 10-00			9			4			
06/07/11	SL 10-70									
06/07/11	SL 10-PZ	81								
06/21/11	SL 10-00			19			2			
06/21/11	SL 10-70									
06/21/11	SL 10-PZ	27								
07/05/11	SL 10-00			21			0.2			
07/05/11	SL 10-70									
07/05/11	SL 10-PZ	65								
07/18/11	SL 10-00			30			2			
07/18/11	SL 10-70									
07/18/11	SL 10-PZ	16						10		
08/03/11	SL 10-00			17			2			
08/03/11	SL 10-70									
08/03/11	SL 10-PZ	19						5		
08/22/11	SL 10-00			25			6			
08/22/11	SL 10-70									
08/22/11	SL 10-PZ	30								
09/12/11	SL 10-00			9			0			
09/12/11	SL 10-70									
09/12/11	SL 10-PZ	73						6		1
10/03/11	SL 10-00			6			2			
10/03/11	SL 10-70									
10/03/11	SL 10-PZ	122						73		
10/19/11	SL 10-00			25			5			
10/19/11	SL 10-70									
10/19/11	SL 10-PZ	54						1		
11/10/11	SL 10-00			14			1			
11/10/11	SL 10-70									
11/10/11	SL 10-PZ	184						1		
11/10/11	Trib 24									
11/29/11	SL 10-00			7			2			
11/29/11	SL 10-70									
11/29/11	SL 10-PZ	70								
11/29/11	Trib 24									

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 S indicates a suspect value.
 Blank cell indicates no result.

Table 6: Standley Lake Algae											
Sample Date	Location ID	Euglena	Euglenophyceae Totals	Fragilaria	Glenodinium	Gomphonema	Hannaea	Mallomonas	Melosira	Micrasterias	Navicula
03/10/11	SL 10-00										
03/10/11	SL 10-70										
03/10/11	SL 10-PZ			1							1
03/21/11	SL 10-00										
03/21/11	SL 10-70										
03/21/11	SL 10-PZ			1					4		
04/06/11	SL 10-00										
04/06/11	SL 10-70										
04/06/11	SL 10-PZ			2					28		
04/06/11	Trib 24										
04/20/11	SL 10-00										
04/20/11	SL 10-70										
04/20/11	SL 10-PZ		1	3	4				47		
04/20/11	Trib 24										
05/02/11	SL 10-00										
05/02/11	SL 10-70										
05/02/11	SL 10-PZ			4	3				29		
05/25/11	SL 10-00										
05/25/11	SL 10-70										
05/25/11	SL 10-PZ								2		1
06/07/11	SL 10-00										
06/07/11	SL 10-70										
06/07/11	SL 10-PZ				3						
06/21/11	SL 10-00										
06/21/11	SL 10-70										
06/21/11	SL 10-PZ			1					3		1
07/05/11	SL 10-00										
07/05/11	SL 10-70										
07/05/11	SL 10-PZ			3							
07/18/11	SL 10-00										
07/18/11	SL 10-70										
07/18/11	SL 10-PZ			1							
08/03/11	SL 10-00										
08/03/11	SL 10-70										
08/03/11	SL 10-PZ										
08/22/11	SL 10-00										
08/22/11	SL 10-70										
08/22/11	SL 10-PZ			2					13		
09/12/11	SL 10-00										
09/12/11	SL 10-70										
09/12/11	SL 10-PZ			0				7	30		
10/03/11	SL 10-00										
10/03/11	SL 10-70										
10/03/11	SL 10-PZ						8		2		1
10/19/11	SL 10-00										
10/19/11	SL 10-70										
10/19/11	SL 10-PZ		2						16		
11/10/11	SL 10-00										
11/10/11	SL 10-70										
11/10/11	SL 10-PZ			5					38		
11/10/11	Trib 24										
11/29/11	SL 10-00										
11/29/11	SL 10-70										
11/29/11	SL 10-PZ			3	2				9		
11/29/11	Trib 24										

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 S indicates a suspect value.
 Blank cell indicates no result.

Table 6: Standley Lake Algae											
Sample Date	Location ID	Nitzschia	Oocystis	Oscillat oria	Palmella	Pandorina	Particles	Pedias rium	Pinnul aria	Rotifer (FlowCam)	Scenede smus
03/10/11	SL 10-00									78	
03/10/11	SL 10-70										
03/10/11	SL 10-PZ						21460				
03/21/11	SL 10-00									72	
03/21/11	SL 10-70										
03/21/11	SL 10-PZ						15266				
04/06/11	SL 10-00									105	
04/06/11	SL 10-70										
04/06/11	SL 10-PZ						27706				
04/06/11	Trib 24						12719				
04/20/11	SL 10-00									70	
04/20/11	SL 10-70										
04/20/11	SL 10-PZ						22413				
04/20/11	Trib 24						24134				
05/02/11	SL 10-00									31	
05/02/11	SL 10-70										
05/02/11	SL 10-PZ	12					13626				
05/25/11	SL 10-00									2	
05/25/11	SL 10-70										
05/25/11	SL 10-PZ	6					4829				
06/07/11	SL 10-00									0	
06/07/11	SL 10-70										
06/07/11	SL 10-PZ						9128				
06/21/11	SL 10-00									4	
06/21/11	SL 10-70										
06/21/11	SL 10-PZ		5				7867	1			
07/05/11	SL 10-00									12	
07/05/11	SL 10-70										
07/05/11	SL 10-PZ		13				16196				
07/18/11	SL 10-00									11	
07/18/11	SL 10-70										
07/18/11	SL 10-PZ						12614				
08/03/11	SL 10-00									20	
08/03/11	SL 10-70										
08/03/11	SL 10-PZ	1			3		15802				
08/22/11	SL 10-00									62	
08/22/11	SL 10-70										
08/22/11	SL 10-PZ						15075				
09/12/11	SL 10-00									94	
09/12/11	SL 10-70										
09/12/11	SL 10-PZ	1					17085				
10/03/11	SL 10-00									50	
10/03/11	SL 10-70										
10/03/11	SL 10-PZ	5					16629	1			
10/19/11	SL 10-00									93	
10/19/11	SL 10-70										
10/19/11	SL 10-PZ	31					40742				
11/10/11	SL 10-00									16	
11/10/11	SL 10-70										
11/10/11	SL 10-PZ	13					14236				
11/10/11	Trib 24						16046				
11/29/11	SL 10-00									8	
11/29/11	SL 10-70										
11/29/11	SL 10-PZ	2					15643				
11/29/11	Trib 24						13972				

< indicates a value less than the detection limit.
 S indicates a suspect value.
 Blank cell indicates no result.

Table 6: Standley Lake Algae										
Sample Date	Location ID	Sphaerocystis	Spirogyra	Stephanodiscus	Straurastrium	Synedra	Tabellaria	Trachelomonas	Ulothrix	Zooplankton (Total)
03/10/11	SL 10-00									92
03/10/11	SL 10-70									
03/10/11	SL 10-PZ			9		3				
03/21/11	SL 10-00									109
03/21/11	SL 10-70									
03/21/11	SL 10-PZ			19	1	3				
04/06/11	SL 10-00									132
04/06/11	SL 10-70									
04/06/11	SL 10-PZ			23			1			
04/06/11	Trib 24									
04/20/11	SL 10-00									106
04/20/11	SL 10-70									
04/20/11	SL 10-PZ			16		14				
04/20/11	Trib 24									
05/02/11	SL 10-00									68
05/02/11	SL 10-70									
05/02/11	SL 10-PZ			47						
05/25/11	SL 10-00									30
05/25/11	SL 10-70									
05/25/11	SL 10-PZ			68						
06/07/11	SL 10-00									13
06/07/11	SL 10-70									
06/07/11	SL 10-PZ			28						
06/21/11	SL 10-00									25
06/21/11	SL 10-70									
06/21/11	SL 10-PZ			18						
07/05/11	SL 10-00									33
07/05/11	SL 10-70									
07/05/11	SL 10-PZ			25						
07/18/11	SL 10-00									43
07/18/11	SL 10-70									
07/18/11	SL 10-PZ			24		6				
08/03/11	SL 10-00									39
08/03/11	SL 10-70									
08/03/11	SL 10-PZ	2		37	1					
08/22/11	SL 10-00									92
08/22/11	SL 10-70									
08/22/11	SL 10-PZ			72		72	1			
09/12/11	SL 10-00									104
09/12/11	SL 10-70									
09/12/11	SL 10-PZ			78		33				
10/03/11	SL 10-00									55
10/03/11	SL 10-70									
10/03/11	SL 10-PZ			38	1	58				
10/19/11	SL 10-00									123
10/19/11	SL 10-70									
10/19/11	SL 10-PZ			45	6	16				
11/10/11	SL 10-00									31
11/10/11	SL 10-70									
11/10/11	SL 10-PZ				2	8				
11/10/11	Trib 24									
11/29/11	SL 10-00									17
11/29/11	SL 10-70									
11/29/11	SL 10-PZ			4		1				
11/29/11	Trib 24									

< indicates a value less than the detection limit.

S indicates a suspect value.

Blank cell indicates no result.

Town of Georgetown Wastewater Plant Data – Monthly Averages

2011	INF. Flow M.G.D.	BOD Influent	BOD Effluent	TSS Influent	TSS Effluent	Ammonia Influent	Ammonia Effluent	Discharge Limit	Phosphorus Influent	Phosphorus Effluent	Fecal Coliform
January	.202	92	10.75	68	17.5	10.96	10.27	11	2.06	.78	44
February	.234	91	7.5	69	12	11.7	9.1	7.5	2.98	1.97	3
March	.250	76	7.4	69	13.2	10.05	5.47	16	2.51	.83	1.6
April	.278	86	4.75	81	5.25	8.01	2.24	7.0	1.94	1.0	3
May	.300	73	2.5	71	<5.5	5.18	<.05	12	1.33	.59	<1
June	.618	63	2	73	7.2	6.94	.08	8.5	1.29	.30	<1
July	.875	52	2.3	94	4.3	1.05	.33	8.1	N/A	.37	N/A
August	.473	62	3.3	65	5	4.82	1.43	20	1.55	.44	<1
September	.352	40	2.5	48	<5	5.63	.11	13	.94	.37	<1
October	.276	58	2	88	<5	N/A	.24	13	N/A	.21	N/A
November	.233	71	2	53	<5	6.99	.28	13	1.40	.26	<1
December	.239	119	2.67	114	5.33	7.83	.13	14	1.84	.05	<1
Limit	.8 MGD	mg/l	30 mg/l	mg/l	30mg/l	mg/l	mg/l	mg/l	mg/l	1.0 mg/l	3467c/100ml

2011	EFF.Flow M.G.D.	Zinc	Copper	Lead	cadmium	TIN Influent	TIN Effluent	% BOD Removal	% TSS Removal	CL2 Residual
January	.242	.2667	.0031	N/A	N/A	17.7	12.6	89	72	<.066
February	.258	.1948	.0034	N/A	N/A	19.4	11	92	83	<.066
March	.272	.2997	.0031	N/A	N/A	7.9	6.2	90	80	<.066
April	.267	.2555	.0052	N/A	N/A	N/A	N/A	94	93	<.066
May	.333	.8996	.0075	.00057	.00023	4.4	3.0	96	91	<.066
June	.626	.8996	.0039	.00044	.00023	8.5	3.4	96	88	<.15
July	.863	1.659	.0098	.00022	.00017	1.5	3.5	95	98	<.15
August	.483	.8646	.0136	.00055	.00058	N/A	4.02	95	93	<.15
September	.395	.3877	.0126	.0007	.00019	6.1	4.4	96	86	<.15
October	.293	.3877	.0126	.0007	.00019	N/A	4.53	99	94	<.15
November	.248	.2193	.0124	.0010	.0001	7.4	5.7	97	91	<.15
December	.277	.1874	.0063	.00063	.000008	8.0	6.12	98	95	<.15
Limit	.8 MGD	1.263mg/l	report	report	report	report	report	85%	85%	.066/ .15

New discharges permit effective June 1, 2011

January to September changing processes from old to new wastewater plant