Appendix C
State of Oklahoma Antidegradation Policy

Draft
Lake Thunderbird TMDL Report

Prepared for

Oklahoma Department of Environmental Quality

Water Quality Division

November 2012

By

Dynamic Solutions, LLC

PLEASE NOTE !

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Appendix C - State of Oklahoma Antidegradation Policy

785:45-3-1. Purpose; Antidegradation policy statement

(a) Waters of the state constitute a valuable resource and shall be protected, maintained and improved for the benefit of all the citizens.

(b) It is the policy of the State of Oklahoma to protect all waters of the state from degradation of water quality, as provided in OAC 785:45-3-2 and Subchapter 13 of OAC 785:46.

785:45-3-2. Applications of antidegradation policy

(a) Application to outstanding resource waters (ORW). Certain waters of the state constitute an outstanding resource or have exceptional recreational and/or ecological significance. These waters include streams designated "Scenic River" or "ORW" in Appendix A of this Chapter, and waters of the State located within watersheds of Scenic Rivers. Additionally, these may include waters located within National and State parks, forests, wilderness areas, wildlife management areas, and wildlife refuges, and waters which contain species listed pursuant to the federal Endangered Species Act as described in 785:45-5-25(c)(2)(A) and 785:46-13-6(c). No degradation of water quality shall be allowed in these waters.

(b) Application to high quality waters (HQW). It is recognized that certain waters of the state possess existing water quality which exceeds those levels necessary to support propagation of fishes, shellfishes, wildlife, and recreation in and on the water. These high quality waters shall be maintained and protected.

(c) Application to beneficial uses. No water quality degradation which will interfere with the attainment or maintenance of an existing or designated beneficial use shall be allowed.

(d) Application to improved waters. As the quality of any waters of the state improve, no degradation of such improved waters shall be allowed.

785:46-13-1. Applicability and scope

(a) The rules in this Subchapter provide a framework for implementing the antidegradation policy stated in OAC 785:45-3-2 for all waters of the state. This policy and framework includes three tiers, or levels, of protection.

(b) The three tiers of protection are as follows:

(1) Tier 1. Attainment or maintenance of an existing or designated beneficial use.

(2) Tier 2. Maintenance or protection of High Quality Waters and Sensitive Public and Private Water Supply waters.

(3) Tier 3. No degradation of water quality allowed in Outstanding Resource Waters. (c) In addition to the three tiers of protection, this Subchapter provides rules to implement the protection of waters in areas listed in Appendix B of OAC 785:45. Although Appendix B areas are not mentioned in OAC 785:45-3-2, the framework for

protection of Appendix B areas is similar to the implementation framework for the antidegradation policy.

(d) In circumstances where more than one beneficial use limitation exists for a waterbody, the most protective limitation shall apply. For example, all antidegradation policy implementation rules applicable to Tier 1 waterbodies shall be applicable also to Tier 2 and Tier 3 waterbodies or areas, and implementation rules applicable to Tier 2 waterbodies shall be applicable also to Tier 3 waterbodies.

(e) Publicly owned treatment works may use design flow, mass loadings or concentration, as appropriate, to calculate compliance with the increased loading requirements of this section if those flows, loadings or concentrations were approved by the Oklahoma Department of Environmental Quality as a portion of Oklahoma's Water Quality Management Plan prior to the application of the ORW, HQW or SWS limitation.

785:46-13-2. Definitions

The following words and terms, when used in this Subchapter, shall have the following meaning, unless the context clearly indicates otherwise:

"Specified pollutants" means

(A) Oxygen demanding substances, measured as Carbonaceous Biochemical Oxygen Demand (CBOD) and/or Biochemical Oxygen Demand (BOD); (B)

Ammonia Nitrogen and/or Total Organic Nitrogen;

(C) Phosphorus;

(D) Total Suspended Solids (TSS); and

(E) Such other substances as may be determined by the Oklahoma Water Resources Board or the permitting authority.

785:46-13-3. Tier 1 protection; attainment or maintenance of an existing or designated beneficial use

(a) General.

(1) Beneficial uses which are existing or designated shall be maintained and protected.

(2) The process of issuing permits for discharges to waters of the state is one of several means employed by governmental agencies and affected persons which are designed to attain or maintain beneficial uses which have been designated for those waters. For example, Subchapters 3, 5, 7, 9 and 11 of this Chapter are rules for the permitting process. As such, the latter Subchapters not only implement numerical and narrative criteria, but also implement Tier 1 of the antidegradation policy.

(b) Thermal pollution. Thermal pollution shall be prohibited in all waters of the state. Temperatures greater than 52 degrees Centigrade shall constitute thermal pollution and shall be prohibited in all waters of the state.

(c) Prohibition against degradation of improved waters. As the quality of any waters of the state improves, no degradation of such improved waters shall be allowed.

785:46-13-4. Tier 2 protection; maintenance and protection of High Quality Waters and Sensitive Water Supplies

(a) General rules for High Quality Waters. New point source discharges of any pollutant after June 11, 1989, and increased load or concentration of any specified pollutant from any point source discharge existing as of June 11, 1989, shall be prohibited in any waterbody or watershed designated in Appendix A of OAC 785:45 with the limitation "HQW". Any discharge of any pollutant to a waterbody designated "HQW" which would, if it occurred, lower existing water quality shall be prohibited. Provided however, new point source discharges or increased load or concentration of any specified pollutant from a discharge existing as of June 11, 1989, may be approved by the permitting authority in circumstances where the discharger demonstrates to the satisfaction of the permitting authority that such new discharge or increased load or concentration would result in maintaining or improving the level of water quality which exceeds that necessary to support recreation and propagation of fishes, shellfishes, and wildlife in the receiving water.

(b) General rules for Sensitive Public and Private Water Supplies. New point source discharges of any pollutant after June 11, 1989, and increased load of any specified pollutant from any point source discharge existing as of June 11, 1989, shall be prohibited in any waterbody or watershed designated in Appendix A of OAC 785:45 with the limitation "SWS". Any discharge of any pollutant to a waterbody designated "SWS" which would, if it occurred, lower existing water quality shall be prohibited. Provided however, new point source discharges or increased load of any specified pollutant from a discharge existing as of June 11, 1989, may be approved by the permitting authority in circumstances where the discharger demonstrates to the satisfaction of the permitting authority that such new discharge or increased load will result in maintaining or improving the water quality in both the direct receiving water, if designated SWS, and any downstream waterbodies designated SWS.

(c) Stormwater discharges. Regardless of subsections (a) and (b) of this Section, point source discharges of stormwater to waterbodies and watersheds designated "HQW" and "SWS" may be approved by the permitting authority.

(d) Nonpoint source discharges or runoff. Best management practices for control of nonpoint source discharges or runoff should be implemented in watersheds of waterbodies designated "HQW" or "SWS" in Appendix A of OAC 785:45.

785:46-13-5. Tier 3 protection; prohibition against degradation of water quality in outstanding resource waters

(a) General. New point source discharges of any pollutant after June 11, 1989, and increased load of any pollutant from any point source discharge existing as of June 11,
1989, shall be prohibited in any waterbody or watershed designated in Appendix A of OAC 785:45 with the limitation "ORW" and/or "Scenic River", and in any waterbody located within the watershed of any waterbody designated with the limitation "Scenic River". Any discharge of any pollutant to a waterbody designated "ORW" or "Scenic River" which would, if it occurred, lower existing water quality shall be prohibited.

(b) Stormwater discharges. Regardless of 785:46-13-5(a), point source discharges of stormwater from temporary construction activities to waterbodies and watersheds designated "ORW" and/or "Scenic River" may be permitted by the permitting authority. Regardless of 785:46-13-5(a), discharges of stormwater to waterbodies and watersheds designated "ORW" and/or "Scenic River" from point sources existing as of June 25, 1992, whether or not such stormwater discharges were permitted as point sources prior to June 25, 1992, may be permitted by the permitting authority; provided, however, increased load of any pollutant from such stormwater discharge shall be prohibited.

(c) Nonpoint source discharges or runoff. Best management practices for control of nonpoint source discharges or runoff should be implemented in watersheds of waterbodies designated "ORW" in Appendix A of OAC 785:45, provided, however, that development of conservation plans shall be required in sub-watersheds where discharges or runoff from nonpoint sources are identified as causing or significantly contributing to degradation in a waterbody designated "ORW".

(d) LMFO's. No licensed managed feeding operation (LMFO) established after June 10, 1998 which applies for a new or expanding license from the State Department of Agriculture after March 9, 1998 shall be located...[w]ithin three (3) miles of any designated scenic river area as specified by the Scenic Rivers Act in 82 O.S. Section 1451 and following, or [w]ithin one (1) mile of a waterbody [2:9-210.3(D)] designated in Appendix A of OAC 785:45 as "ORW".

785:46-13-6. Protection for Appendix B areas

(a) General. Appendix B of OAC 785:45 identifies areas in Oklahoma with waters of recreational and/or ecological significance. These areas are divided into Table 1, which includes national and state parks, national forests, wildlife areas, wildlife management areas and wildlife refuges; and Table 2, which includes areas which contain threatened or endangered species listed as such by the federal government pursuant to the federal Endangered Species Act as amended.

(b) Protection for Table 1 areas. New discharges of pollutants after June 11, 1989, or increased loading of pollutants from discharges existing as of June 11, 1989, to waters within the boundaries of areas listed in Table 1 of Appendix B of OAC 785:45 may be approved by the permitting authority under such conditions as ensure that the recreational and ecological significance of these waters will be maintained.

(c) Protection for Table 2 areas. Discharges or other activities associated with those waters within the boundaries listed in Table 2 of Appendix B of OAC 785:45 may be restricted through agreements between appropriate regulatory agencies and the United States Fish and Wildlife Service. Discharges or other activities in such areas shall not substantially disrupt the threatened or endangered species inhabiting the receiving water.

(d) Nonpoint source discharges or runoff. Best management practices for control of nonpoint source discharges or runoff should be implemented in watersheds located within areas listed in Appendix B of OAC 785:45.

Appendix D
Ambient Monitoring Data: Lake Stations
HYDROLAB

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Table D-1 OWRB Water Quality Monitoring Stations for Lake Thunderbird

Site	Station Number	Latitude	Longitude	Represents
1	520810000020-1sX	35.223333	-97.220833	Dam Site; Lacustrine
	520810000020-1-4X			
	520810000020-1-8X			
	520810000020-1-12X			
	520810000020-1bX			
2	520810000020-2X	35.238889	-97.228889	Lacustrine
	520810000020-2bX			
3	520810000020-3X	35.262222	-97.238889	Transition
4	520810000020-4X	35.224444	-97.250833	Lacustrine
	520810000020-4bX			
5	520810000020-5X	35.220278	-97.290556	Transition
6	520810000020-6X	35.231667	-97.305556	Riverine
7	520810000020-7X	35.203056	-97.258056	Riverine
8	520810000020-8X	35.286409	-97.244887	Riverine
11	520810000020-11X	35.212292	-97.302545	Riverine

Table D-2 HYDROLAB Water Quality Parameters and Units

Parameter	Description	Units	Missing Data
Depth	Sampling depth	meter	-9
WTemp	Water temperature	°C	-9
pH	Water pH	pH	-9
SC	Specific conductivity	mS / cm	-9
SAL	Salinity calculated from conductivity	ppt	-9
ORP	Oxidation reduction potential	milli-volt	-9
TDS	Total dissolved solids	g/L	-9
DO%	Dissolved oxygen Saturation	Percentage	-9
DO	Dissolved oxygen concentration	mg/L	-9

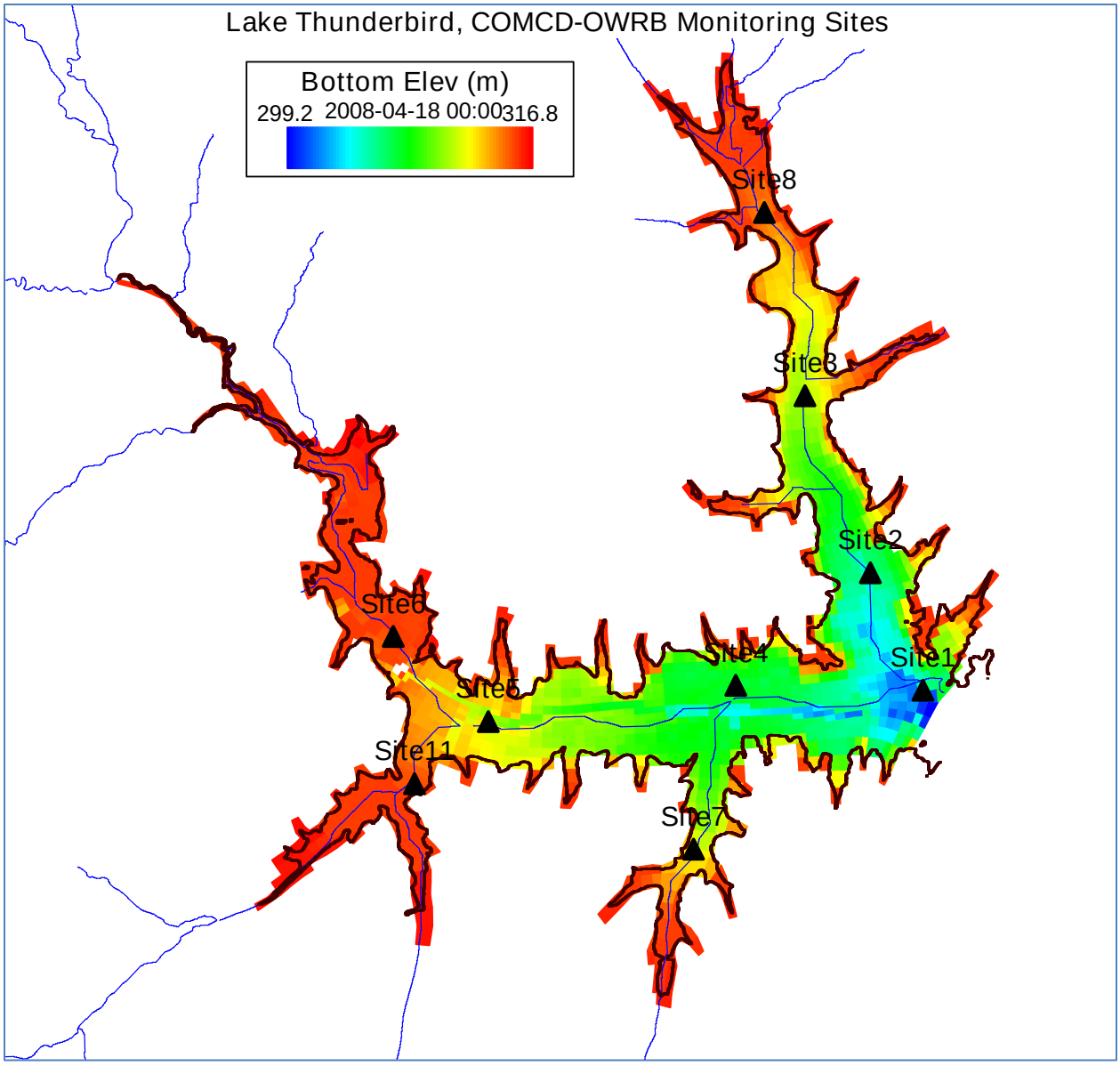

Figure D-1 OWRB Water Quality Monitoring Stations for Lake Thunderbird

Table D-3 Site 1 Station Data

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site1	2/4/2008 14:31	1	5.13	8.03	366	0.18	547	0.2343	107	12.9
Site1	2/4/2008 14:32	2	5.11	8.11	366.1	0.18	543	0.2344	107	12.9
Site1	2/4/2008 14:33	0.1	5.2	8.26	366.4	0.18	538	0.2345	107.3	12.92
Site1	2/4/2008 14:34	2	5.18	8.19	366.2	0.18	535	0.2343	106.7	12.85
Site1	2/4/2008 14:35	3	5.15	8.2	366	0.18	533	0.2342	106.7	12.86
Site1	2/4/2008 14:35	4.1	5.13	8.16	366.2	0.18	532	0.2344	106.6	12.86
Site1	2/4/2008 14:36	5	5.1	8.21	366.8	0.18	531	0.2348	106.4	12.85
Site1	2/4/2008 14:37	6	5.07	8.2	365.8	0.18	529	0.2341	105.8	12.78
Site1	2/4/2008 14:38	7	5.05	8.18	365.9	0.18	527	0.2342	105.6	12.76
Site1	2/4/2008 14:38	8	5.05	8.17	365.9	0.18	526	0.2342	105.5	12.75
Site1	2/4/2008 14:39	9	5.04	8.18	366	0.18	524	0.2343	105.5	12.75
Site1	2/4/2008 14:41	9.8	5.04	8.19	365.9	0.18	522	0.2343	105.1	12.71
Site1	2/4/2008 14:42	11.1	5.03	8.18	365.9	0.18	521	0.2342	105.1	12.71
Site1	2/4/2008 14:42	12	5.02	8.18	366.1	0.18	520	0.2343	105.1	12.71
Site1	2/4/2008 14:43	13	5.03	8.18	365.9	0.18	519	0.2342	104.8	12.67
Site1	2/4/2008 14:43	13.3	5.02	8.14	366	0.18	515	0.2342	103.6	12.53
Site1	4/22/2008 9:44	0.3	15.92	8.19	390	0.19	381	0.2496	99.9	9.39
Site1	4/22/2008 9:44	0.2	15.9	8.2	390.2	0.19	381	0.2497	100.1	9.41
Site1	4/22/2008 9:45	0.9	15.72	8.21	389.9	0.19	381	0.2495	98.9	9.33
Site1	4/22/2008 9:46	2	15.71	8.22	390	0.19	381	0.2496	98.6	9.31
Site1	4/22/2008 9:47	3	15.67	8.23	389.9	0.19	381	0.2495	98.4	9.3
Site1	4/22/2008 9:48	3.9	15.6	8.24	389.8	0.19	381	0.2494	97.8	9.25
Site1	4/22/2008 9:49	5	15.28	8.24	389.3	0.19	381	0.2492	96.4	9.18
Site1	4/22/2008 9:50	5.9	15.22	8.24	389.7	0.19	381	0.2494	96.4	9.19
Site1	4/22/2008 9:52	7.1	15.19	8.25	389.7	0.19	380	0.2494	95.9	9.15
Site1	4/22/2008 9:53	7.9	15.13	8.25	389.5	0.19	380	0.2493	95.6	9.14
Site1	4/22/2008 9:53	7.8	15.12	8.26	389.6	0.19	380	0.2493	95.7	9.14
Site1	4/22/2008 9:54	9	14.82	8.26	389	0.19	380	0.249	94.5	9.09
Site1	4/22/2008 9:55	9.9	14.7	8.25	389.7	0.19	380	0.2494	94	9.06
Site1	4/22/2008 9:56	10.9	14.65	8.26	390.3	0.19	380	0.2498	93.9	9.06
Site1	4/22/2008 9:58	9.9	14.69	8.26	389.8	0.19	380	0.2495	94	9.07
Site1	4/22/2008 9:58	12	14.53	8.26	390.3	0.19	380	0.2498	93.3	9.03
Site1	4/22/2008 9:58	12	14.53	8.26	390.3	0.19	380	0.2498	93.3	9.03
Site1	4/22/2008 10:00	13	14.41	8.25	390.9	0.19	381	0.2501	91.8	8.91
Site1	4/22/2008 10:00	14.1	14.33	8.25	391.1	0.19	381	0.2503	90.6	8.8
Site1	4/22/2008 10:02	15	14.27	8.24	391.1	0.19	381	0.2503	89.5	8.71
Site1	4/22/2008 10:02	15	14.28	8.24	391.3	0.19	381	0.2504	89.6	8.72

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site1	4/22/2008 10:03	17	14.15	8.22	392.2	0.19	382	0.251	86.1	8.41
Site1	4/22/2008 10:07	17.2	14.13	8.14	392.2	0.19	147	0.251	5.3	0.52
Site1	5/16/2008 11:17	0.1	19.12	8.1	390.5	0.19	416	0.2499	100.6	8.86
Site1	5/16/2008 11:18	1.1	19.07	8.26	390.5	0.19	409	0.25	100.3	8.84
Site1	5/16/2008 11:21	2.1	18.92	8.24	391.3	0.19	400	0.2504	98.5	8.71
Site1	5/16/2008 11:22	3.1	18.82	8.24	390.5	0.19	399	0.2499	97	8.59
Site1	5/16/2008 11:26	4.1	18.86	8.26	390.4	0.19	394	0.2499	97	8.59
Site1	5/16/2008 11:26	5.2	18.89	8.26	390.6	0.19	394	0.25	97.8	8.66
Site1	5/16/2008 11:27	6	18.91	8.27	390.6	0.19	393	0.25	98	8.67
Site1	5/16/2008 11:31	6.8	18.77	8.26	390.7	0.19	381	0.2501	95.8	8.5
Site1	5/16/2008 11:32	8.1	18.78	8.26	390.7	0.19	382	0.2501	95.3	8.45
Site1	5/16/2008 11:32	9	18.79	8.26	390.7	0.19	382	0.2501	95.5	8.47
Site1	5/16/2008 11:33	10	18.77	8.25	390.7	0.19	382	0.2501	95	8.42
Site1	5/16/2008 11:33	11	18.75	8.25	390.7	0.19	383	0.25	94.2	8.36
Site1	5/16/2008 11:34	12.1	18.72	8.25	390.8	0.19	383	0.2501	93.8	8.32
Site1	5/16/2008 11:34	13	18.72	8.25	390.8	0.19	383	0.2501	93.5	8.31
Site1	5/16/2008 11:35	14	18.7	8.24	390.7	0.19	383	0.2501	93.1	8.27
Site1	5/16/2008 11:36	15	18.69	8.24	390.8	0.19	384	0.2501	93	8.26
Site1	5/16/2008 11:37	16	18.69	8.24	390.9	0.19	384	0.2502	92.8	8.24
Site1	5/16/2008 11:38	16.9	18.46	8.14	392.3	0.2	383	0.2511	78.3	6.99
Site1	5/21/2008 11:34	0.3	21.43	8.45	393.5	0.2	415	0.2518		
Site1	5/21/2008 11:35	1	21.44	8.5	393.5	0.2	414	0.2518		
Site1	5/21/2008 11:36	2	21.34	8.5	393.6	0.2	414	0.2519		
Site1	5/21/2008 11:40	2	21.28	8.51	393.7	0.2	408	0.252		
Site1	5/21/2008 11:41	3	20.84	8.43	395.2	0.2	410	0.2529		
Site1	5/21/2008 11:42	4	20.33	8.35	397.1	0.2	412	0.2541		
Site1	5/21/2008 11:43	5	20.22	8.32	398.1	0.2	412	0.2548		
Site1	5/21/2008 11:54	4	20.29	8.31	397.5	0.2	370	0.2544		
Site1	5/21/2008 11:55	4.9	20.17	8.29	397.9	0.2	370	0.2546		
Site1	5/21/2008 11:56	6	19.53	8.21	397.4	0.2	371	0.2544		
Site1	5/21/2008 11:57	7	19.03	8.13	396.5	0.2	371	0.2538		
Site1	5/21/2008 11:58	8.1	18.91	8.1	396.7	0.2	371	0.2539		
Site1	5/21/2008 11:59	9	18.77	8.07	397.7	0.2	371	0.2546		
Site1	5/21/2008 12:00	10	18.73	8.06	397.7	0.2	371	0.2545		
Site1	5/21/2008 12:01	11	18.61	8.02	396.3	0.2	371	0.2536		
Site1	5/21/2008 12:01	12.1	18.6	8.01	396.2	0.2	371	0.2536		
Site1	5/21/2008 12:02	13.1	18.59	8	396.2	0.2	371	0.2536		
Site1	5/21/2008 12:03	13.9	18.54	7.98	396.4	0.2	371	0.2536		

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site1	5/21/2008 12:04	15	18.54	7.96	396.4	0.2	371	0.2537		
Site1	5/21/2008 12:05	16	18.53	7.96	396.4	0.2	371	0.2538		
Site1	5/21/2008 12:06	16.6	18.52	7.94	396.7	0.2	326	0.2539		
Site1	6/4/2008 13:10	4.1	25.35	8.38	357	0.2	433	0.229	92.2	7.3
Site1	6/4/2008 13:11	3.2	25.36	8.38	358	0.2	434	0.229	92.3	7.31
Site1	6/4/2008 13:12	2.9	25.35	8.38	358	0.2	435	0.229	91.5	7.24
Site1	6/4/2008 13:12	2.9	25.35	8.38	358	0.2	436	0.229	91.6	7.25
Site1	6/4/2008 13:13	2	25.39	8.38	357	0.2	437	0.229	93.3	7.38
Site1	6/4/2008 13:14	1	25.45	8.39	357	0.2	437	0.229	94.5	7.47
Site1	6/4/2008 13:14	0.6	25.45	8.39	357	0.2	438	0.229	94	7.43
Site1	6/4/2008 13:15	0.3	25.44	8.39	358	0.2	439	0.229	93.7	7.41
Site1	6/4/2008 13:18	15.9	18.68	7.08	496	0.25	32	0.3174	3	0.27
Site1	6/4/2008 13:18	15.9	18.69	7.07	497.5	0.25	31	0.3184	2.7	0.23
Site1	6/4/2008 13:19	14.9	18.66	7.46	363	0.18	36	0.2324	3.1	0.28
Site1	6/4/2008 13:19	13.9	18.8	7.44	360.5	0.18	58	0.2307	3	0.29
Site1	6/4/2008 13:21	12.9	18.96	7.43	360.4	0.18	145	0.2307	3.9	0.35
Site1	6/4/2008 13:22	12	19.07	7.42	360.3	0.18	213	0.2306	3.5	0.31
Site1	6/4/2008 13:24	11	19.44	7.42	360.5	0.18	288	0.2305	4.9	0.43
Site1	6/4/2008 13:25	10.1	20.01	7.46	360.5	0.18	342	0.2306	10.3	0.9
Site1	6/4/2008 13:26	10.1	20.11	7.47	360.8	0.18	353	0.2309	10.7	0.92
Site1	6/4/2008 13:27	9	21.54	7.65	361.7	0.18	382	0.2315	27.6	2.35
Site1	6/4/2008 13:28	8.9	22.25	7.79	361.2	0.18	396	0.2312	38.1	3.19
Site1	6/4/2008 13:29	8	25.14	8.35	357.6	0.18	396	0.2289	88.4	6.99
Site1	6/4/2008 13:31	7	25.24	8.38	357.5	0.18	405	0.2288	91.1	7.23
Site1	6/4/2008 13:32	6.1	25.25	8.38	357.7	0.18	412	0.2289	90.5	7.18
Site1	6/4/2008 13:34	5.1	25.32	8.38	357.2	0.18	418	0.2286	91.7	7.26
Site1	6/18/2008 9:35	0.3	25.61	8.17	405.4	0.2	544	0.2595	86	6.74
Site1	6/18/2008 9:35	0.1	25.61	8.17	405.5	0.2	542	0.2595	86.1	6.75
Site1	6/18/2008 9:37	1.1	25.44	8.18	405.3	0.2	532	0.2594	83.6	6.57
Site1	6/18/2008 9:37	1.9	25.41	8.16	405.5	0.2	527	0.2595	82.2	6.47
Site1	6/18/2008 9:39	3.1	25.4	8.17	405.5	0.2	518	0.2595	81.4	6.41
Site1	6/18/2008 9:40	4	25.39	8.17	405.5	0.2	511	0.2595	81.2	6.39
Site1	6/18/2008 9:41	5.1	25.39	8.15	405.5	0.2	506	0.2595	81	6.38
Site1	6/18/2008 9:42	6	25.39	8.13	405.6	0.2	503	0.2596	80.7	6.35
Site1	6/18/2008 9:43	7.1	25.38	8.13	405.6	0.2	498	0.2596	80.6	6.35
Site1	6/18/2008 9:45	8	25.37	8.13	405.4	0.2	493	0.2594	80.3	6.32
Site1	6/18/2008 9:46	9.1	25.35	8.1	405.5	0.2	489	0.2595	79.8	6.29
Site1	6/18/2008 9:47	10.1	25.3	8.06	405.6	0.2	488	0.2596	78.2	6.17

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site1	6/18/2008 9:48	10.5	25.16	8.11	406.2	0.2	478	0.2599	75	5.93
Site1	6/18/2008 9:51	11	24.66	7.91	405.8	0.2	476	0.2597	57	4.55
Site1	6/18/2008 9:53	11.5	24.04	7.56	412.6	0.21	479	0.2641	16.7	1.35
Site1	6/18/2008 9:54	12	23.84	7.51	413.2	0.21	477	0.2646	13.8	1.12
Site1	6/18/2008 9:55	12.9	22.55	7.4	416.6	0.21	477	0.2666	1.8	0.15
Site1	6/18/2008 9:58	14	20.2	7.38	419.5	0.21	328	0.2685	1.4	0.12
Site1	6/18/2008 9:59	15	19.87	7.34	420.5	0.21	240	0.2691	1.4	0.12
Site1	6/18/2008 10:02	16.1	19.42	7.4	424.5	0.21	54	0.2717	1.3	0.11
Site1	6/18/2008 10:04	16.6	19.28	7.33	428.5	0.21	-6	0.2742	1.1	0.1
Site1	7/9/2008 10:12	13.9	21.83	7.66	411.7	0.21	-96	0.2635	3.1	0.26
Site1	7/9/2008 10:13	12.7	22.71	7.7	406.4	0.2	-107	0.2601	2.3	0.19
Site1	7/9/2008 10:15	12	23.39	7.71	403	0.2	-107	0.2579	1.7	0.14
Site1	7/9/2008 10:17	11	23.71	7.69	401.7	0.2	-108	0.2571	1.5	0.12
Site1	7/9/2008 10:19	10	24.51	7.73	398.8	0.2	-88	0.2552	1.5	0.12
Site1	7/9/2008 10:21	8.9	25.06	7.75	397.6	0.2	-65	0.2544	1.4	0.11
Site1	7/9/2008 10:23	8	25.78	7.78	397.2	0.2	-56	0.2542	1.3	0.1
Site1	7/9/2008 10:25	7.1	26.48	7.8	396.1	0.2	-48	0.2535	1.2	0.09
Site1	7/9/2008 10:26	6.1	26.93	7.87	395.4	0.2	30	0.2531	10.3	0.78
Site1	7/9/2008 10:29	5	27.98	8.32	387.2	0.19	140	0.2478	66.1	4.95
Site1	7/9/2008 10:31	4	28.32	8.53	382.4	0.19	173	0.2447	98.5	7.33
Site1	7/9/2008 10:33	3.1	28.35	8.58	381.8	0.19	185	0.2444	105.9	7.87
Site1	7/9/2008 10:34	1.5	28.42	8.62	382	0.19	193	0.2445	110.5	8.21
Site1	7/9/2008 10:36	1	28.62	8.62	380.4	0.19	199	0.2435	115.5	8.55
Site1	7/9/2008 10:38	0.3	28.65	8.63	380.4	0.19	202	0.2435	116.4	8.62
Site1	7/21/2008 11:03	0.3	29.63	8.53	362.3	0.18	196	0.2319	146.8	10.68
Site1	7/21/2008 11:04	1	29.56	8.56	362	0.18	201	0.2317	148.3	10.8
Site1	7/21/2008 11:06	2	29.28	8.55	363	0.18	206	0.2323	140.9	10.32
Site1	7/21/2008 11:08	3.1	29.15	8.46	364.6	0.18	212	0.2334	129.1	9.48
Site1	7/21/2008 11:09	4	28.61	8.26	372.2	0.18	216	0.2382	93.8	6.95
Site1	7/21/2008 11:11	5	28.22	8.14	376.1	0.19	218	0.2407	79.5	5.93
Site1	7/21/2008 11:13	6.2	27.64	7.88	382.3	0.19	211	0.2447	39.7	2.99
Site1	7/21/2008 11:15	7	27.24	7.64	385.4	0.19	199	0.2466	9.6	0.73
Site1	7/21/2008 11:17	8.1	26.9	7.59	387.4	0.19	123	0.248	1.6	0.12
Site1	7/21/2008 11:18	9.1	26.23	7.58	390.3	0.19	-49	0.2498	1.5	0.11
Site1	7/21/2008 11:19	10	24.29	7.5	396.3	0.2	-105	0.2536	1.4	0.11
Site1	7/21/2008 11:20	11	23.87	7.48	397.3	0.2	-118	0.2543	1.4	0.11
Site1	7/21/2008 11:21	12	23.56	7.46	399.6	0.2	-125	0.2558	1.4	0.11
Site1	7/21/2008 11:22	13	22.38	7.42	406	0.2	-133	0.2598	1.3	0.11

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site1	7/21/2008 11:23	14	22.03	7.42	408.1	0.2	-136	0.2612	1.3	0.11
Site1	7/21/2008 11:24	14.5	21.69	7.35	412.1	0.21	-134	0.2637	1.3	0.11
Site1	8/4/2008 10:47	0.3	30.57	8.54	396.5	0.2	203	0.2537	128	9.15
Site1	8/4/2008 10:48	1	30.57	8.53	396.2	0.2	211	0.2538	127.9	9.14
Site1	8/4/2008 10:51	2	30.48	8.52	396.5	0.2	220	0.2537	126.8	9.07
Site1	8/4/2008 10:52	2	30.48	8.52	396.5	0.2	220	0.2537	126	9.02
Site1	8/4/2008 10:53	3	30.3	8.44	397.5	0.2	226	0.2544	118.8	8.53
Site1	8/4/2008 10:54	4	30.2	8.38	398.8	0.2	229	0.2552	114	8.2
Site1	8/4/2008 10:56	5.1	29.16	7.74	414.5	0.21	205	0.2653	23.8	1.74
Site1	8/4/2008 10:57	6.1	28.64	7.58	419	0.21	111	0.2682	2.8	0.21
Site1	8/4/2008 10:58	7	27.64	7.55	430.2	0.22	-64	0.2753	1.9	0.14
Site1	8/4/2008 10:59	8	27.02	7.53	433.9	0.22	-87	0.2777	1.6	0.12
Site1	8/4/2008 11:00	9	26.26	7.51	437.6	0.22	-94	0.2801	1.4	0.11
Site1	8/4/2008 11:01	9.9	24.91	7.44	443.5	0.22	-98	0.2838	1.4	0.11
Site1	8/4/2008 11:03	11	23.89	7.38	449	0.23	-105	0.2875	1.3	0.1
Site1	8/4/2008 11:05	12	23.35	7.35	451.6	0.23	-107	0.289	1.2	0.1
Site1	8/4/2008 11:06	12	23.22	7.37	452.5	0.23	-109	0.2896	1.2	0.1
Site1	8/4/2008 11:07	13	22.41	7.31	459.2	0.23	-110	0.2939	1.2	0.1
Site1	8/4/2008 11:09	14.1	21.98	7.27	464.4	0.23	-111	0.2972	1.2	0.1
Site1	8/4/2008 11:11	15	21.56	7.24	469.4	0.24	-111	0.3004	1.2	0.1
Site1	8/4/2008 11:12	16.1	21.48	7.23	471.5	0.24	-110	0.3018	1.2	0.1
Site1	8/4/2008 11:13	16.1	21.29	7.22	473.2	0.24	-110	0.3029	1.2	0.1
Site1	8/18/2008 10:05	0.3	26.89	8.41	363.2	0.18	217	0.2325	72.7	5.57
Site1	8/18/2008 10:06	1.3	27.02	8.37	363.5	0.18	230	0.2326	68.7	5.25
Site1	8/18/2008 10:07	2.1	26.95	8.35	363.8	0.18	239	0.2328	68.7	5.25
Site1	8/18/2008 10:09	3.2	26.95	8.33	363.5	0.18	248	0.2327	68.2	5.21
Site1	8/18/2008 10:10	4	27.02	8.31	363.5	0.18	251	0.2326	67.9	5.18
Site1	8/18/2008 10:11	5	27.01	8.31	363.6	0.18	254	0.2327	67.6	5.17
Site1	8/18/2008 10:12	6	27	8.3	363.5	0.18	258	0.2327	67.2	5.13
Site1	8/18/2008 10:13	7.1	27.02	8.29	363.5	0.18	262	0.2326	66.8	5.1
Site1	8/18/2008 10:14	8.4	27.01	8.26	363.7	0.18	265	0.2328	64.3	4.91
Site1	8/18/2008 10:15	9	26.64	8.29	376.8	0.19	52	0.2411	14.3	1.1
Site1	8/18/2008 10:16	10	25.02	8.34	406.6	0.2	-45	0.2602	2.5	0.2
Site1	8/18/2008 10:17	11	24.28	8.3	409.2	0.2	-66	0.2619	2	0.16
Site1	8/18/2008 10:18	12.1	23.6	8.26	415.4	0.21	-75	0.2659	1.7	0.14
Site1	8/18/2008 10:19	13	22.58	8.2	421.6	0.21	-82	0.27	1.6	0.13
Site1	8/18/2008 10:20	14	22.29	8.16	425.6	0.21	-83	0.2724	1.5	0.12
Site1	8/18/2008 10:21	15	21.87	8.09	431.4	0.22	-84	0.2761	1.5	0.12

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site1	8/18/2008 10:22	16	21.57	8.05	434.4	0.22	-84	0.278	1.5	0.13
Site1	8/18/2008 10:23	16.1	21.68	8.03	433.1	0.22	-85	0.2772	1.5	0.13
Site1	8/18/2008 10:24	16.1	21.47	8.01	435.9	0.22	-85	0.279	1.4	0.12
Site1	9/2/2008 11:59	0.3	27.34	8.3	359	0.18	223	0.2298	87	6.58
Site1	9/2/2008 12:02	1	27.3	8.29	358.9	0.18	232	0.2297	85	6.43
Site1	9/2/2008 12:03	2	27.31	8.31	358.9	0.18	234	0.2297	83.2	6.29
Site1	9/2/2008 12:06	3	27.26	8.3	359	0.18	237	0.2298	79.8	6.04
Site1	9/2/2008 12:08	3.5	27.22	8.3	359.4	0.18	240	0.23	78.8	5.97
Site1	9/2/2008 12:10	4.1	27.18	8.28	359.4	0.18	242	0.23	75.9	5.75
Site1	9/2/2008 12:13	5	26.96	7.96	364.1	0.18	247	0.2331	47	3.58
Site1	9/2/2008 12:17	6	26.56	7.63	366	0.18	240	0.2342	11	0.84
Site1	9/2/2008 12:20	7	25.88	7.5	364.8	0.18	68	0.2335	1.3	0.1
Site1	9/2/2008 12:23	7.9	25.21	7.46	356.4	0.18	-8	0.2281	1	0.08
Site1	9/2/2008 12:24	9	24.88	7.44	353.3	0.17	-25	0.2261	1.2	0.1
Site1	9/2/2008 12:27	10	24.23	7.39	343	0.17	-42	0.2195	1.1	0.09
Site1	9/2/2008 12:29	11	23.69	7.3	361	0.18	-54	0.2311	1	0.08
Site1	9/2/2008 12:31	12	23.01	7.18	390.7	0.19	-62	0.25	1	0.08
Site1	9/2/2008 12:33	13	22.41	7.07	427.1	0.21	-63	0.2733	1	0.08
Site1	9/2/2008 12:34	14	22.07	7.02	438.6	0.22	-62	0.2807	1	0.09
Site1	9/2/2008 12:36	15	21.67	6.95	450.1	0.23	-61	0.288	1	0.09
Site1	9/2/2008 12:36	16	21.45	6.91	455.8	0.23	-62	0.2917	1	0.08
Site1	9/22/2008 12:14	0.3	23.35	8.28	339.9	0.17	229	0.2176	81.5	5.77
Site1	9/22/2008 12:15	1.1	23.34	8.27	339.7	0.17	236	0.2174	80.9	5.72
Site1	9/22/2008 12:16	2.1	23.25	8.22	339.8	0.17	244	0.2174	75.8	5.37
Site1	9/22/2008 12:18	3	23.18	8.15	340.4	0.17	247	0.2178	67.3	4.77
Site1	9/22/2008 12:20	4	23.1	7.99	341.2	0.17	246	0.2184	49	3.48
Site1	9/22/2008 12:21	5.1	23.07	7.92	341.3	0.17	242	0.2184	36.9	2.63
Site1	9/22/2008 12:22	6	23.06	7.91	341.4	0.17	241	0.2185	36.9	2.63
Site1	9/22/2008 12:24	7	23.04	7.92	341.2	0.17	242	0.2184	37.5	2.66
Site1	9/22/2008 12:26	8.1	23.03	7.9	341.4	0.17	243	0.2185	35.3	2.51
Site1	9/22/2008 12:28	9.1	22.98	7.85	342.3	0.17	242	0.2191	26	1.85
Site1	9/22/2008 12:29	10.1	22.98	7.85	342.3	0.17	242	0.2191	26.9	1.91
Site1	9/22/2008 12:31	11	22.94	7.82	342.6	0.17	241	0.2193	19.8	1.41
Site1	9/22/2008 12:35	12.1	22.89	7.74	343.8	0.17	233	0.22	1.9	0.13
Site1	9/22/2008 12:36	13.1	22.8	7.74	348.2	0.17	232	0.2229	1.5	0.11
Site1	9/22/2008 12:37	14	22.77	7.75	349.2	0.17	225	0.2235	1.5	0.11
Site1	9/22/2008 12:39	15.1	22.6	7.72	358.7	0.18	137	0.2296	1.4	0.1
Site1	9/22/2008 12:40	15.9	22.58	7.71	359.9	0.18	85	0.2304	1.4	0.1

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site1	10/16/2008 11:05	0.3	20.26	8.01	377.5	0.19	400	0.2416	72.4	6.29
Site1	10/16/2008 11:07	1.01	20.26	8.02	377.5	0.19	396	0.2416	71.8	6.23
Site1	10/16/2008 11:08	2.07	20.27	8.05	377.4	0.19	393	0.2415	71.3	6.19
Site1	10/16/2008 11:10	2.98	20.26	8.05	377.4	0.19	392	0.2415	71.7	6.23
Site1	10/16/2008 11:11	4.09	20.27	8.04	377.2	0.19	391	0.2414	71.1	6.17
Site1	10/16/2008 11:12	5.08	20.25	8.04	377.5	0.19	390	0.2416	70.5	6.13
Site1	10/16/2008 11:13	6.1	20.24	8.04	377.5	0.19	390	0.2416	69.9	6.07
Site1	10/16/2008 11:15	7.06	20.23	8.03	377.5	0.19	389	0.2416	69.8	6.06
Site1	10/16/2008 11:17	8.04	20.21	8.04	377.6	0.19	389	0.2416	70	6.08
Site1	10/16/2008 11:18	9.03	20.22	8.03	377.6	0.19	389	0.2417	69.3	6.02
Site1	10/16/2008 11:50	10.1	20.19	8.08	377.4	0.19	359	0.2415	69.7	6.07
Site1	10/16/2008 11:52	11.15	20.19	8.07	377.4	0.19	353	0.2414	69.6	6.05
Site1	10/16/2008 11:53	12.09	20.19	8.07	377.5	0.19	351	0.2416	69.5	6.05
Site1	10/16/2008 11:54	13.16	20.19	8.07	377.5	0.19	350	0.2416	69.3	6.03
Site1	10/16/2008 11:55	13.99	20.18	8.06	377.4	0.19	349	0.2415	68.9	5.99
Site1	10/16/2008 11:57	15.13	20.17	8.06	377.4	0.19	348	0.2415	68.7	5.97
Site1	10/16/2008 11:57	16.04	20.18	8	377.8	0.19	299	0.2418	66.8	5.82
Site1	12/8/2008 12:34	0.3	8	8.03	372		430		86.3	9.95
Site1	12/8/2008 12:36	1	7.97	8.06	372.5		425		86	9.93
Site1	12/8/2008 12:37	2	7.99	8.08	372.8		422		85.9	9.91
Site1	12/8/2008 12:38	3	8	8.08	372.2		420		85.7	9.89
Site1	12/8/2008 12:40	4	7.97	8.08	372		419		85.5	9.87
Site1	12/8/2008 12:41	5	7.97	8.08	372		418		85.4	9.86
Site1	12/8/2008 12:43	6	7.97	8.08	372		417		85.4	9.85
Site1	12/8/2008 12:45	7	7.94	8.07	372.2		416		85.2	9.84

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site1	12/8/2008 12:46	8	7.97	8.08	372.4		415		85.1	9.81
Site1	12/8/2008 12:48	9	7.97	8.08	372		415		85	9.81
Site1	12/8/2008 12:49	10	7.96	8.08	371.5		414		84.9	9.8
Site1	12/8/2008 12:51	11	7.91	8.07	372		414		84.5	9.76
Site1	12/8/2008 13:09	12	7.95	8.15	371.8		412		84.7	9.78
Site1	12/8/2008 13:11	13	7.95	8.14	372.6		411		84.7	9.78
Site1	12/8/2008 13:12	14	7.95	8.13	371.7		410		84.7	9.78
Site1	12/8/2008 13:13	15	7.96	8.13	371.8		409		84.5	9.75
Site1	2/9/2009 11:07	16.38	5.81	8.03	379.8	0.19	407	0.243	97	11.62
Site1	2/9/2009 11:08	16	5.83	8.07	380	0.19	406	0.2432	98.2	11.76
Site1	2/9/2009 11:11	15.09	5.84	8.07	379.6	0.19	407	0.2429	98.6	11.81
Site1	2/9/2009 11:11	14.01	5.83	8.09	380	0.19	406	0.2432	98.8	11.83
Site1	2/9/2009 11:11	13.01	5.84	8.07	379.7	0.19	407	0.243	98.9	11.84
Site1	2/9/2009 11:25	11.99	5.86	8.12	379.6	0.19	392	0.243	98.9	11.84
Site1	2/9/2009 11:26	11.03	5.86	8.12	380	0.19	392	0.2432	99.2	11.86
Site1	2/9/2009 11:26	9.83	5.87	8.13	379.8	0.19	391	0.2431	99.2	11.87
Site1	2/9/2009 11:27	9	5.89	8.12	379.7	0.19	392	0.2429	99.5	11.89
Site1	2/9/2009 11:27	7.96	5.86	8.14	379.9	0.19	391	0.2431	99.6	11.91
Site1	2/9/2009 11:27	6.87	5.89	8.14	379.5	0.19	391	0.2429	99.7	11.92
Site1	2/9/2009 11:28	5.89	5.91	8.16	380	0.19	390	0.2432	99.9	11.94
Site1	2/9/2009 11:28	5.1	5.9	8.16	379.7	0.19	391	0.243	99.9	11.94
Site1	2/9/2009 11:29	4.08	5.92	8.15	379.8	0.19	391	0.2431	100.2	11.97
Site1	2/9/2009 11:29	3.01	5.95	8.16	379.9	0.19	391	0.2431	100.3	11.97
Site1	2/9/2009 11:30	2.05	5.96	8.11	380	0.19	394	0.2432	100.5	11.99
Site1	2/9/2009 11:30	1.03	5.95	8.15	379.6	0.19	392	0.243	100.7	12.02
Site1	2/9/2009 11:31	0.13	5.98	8.15	380	0.19	392	0.2432	100.9	12.03
Site1	4/15/2009 9:10	0.16	12.31	7.73	412.6	0.21	424	0.2641	98.7	10.08
Site1	4/15/2009 9:14	16.58	11.81	8.14	412.2	0.21	407	0.2638	86.1	8.89
Site1	4/15/2009 9:15	16.03	11.81	8.16	411.8	0.21	408	0.2636	87.2	9.01
Site1	4/15/2009 9:16	15.01	11.84	8.2	411	0.21	408	0.263	90	9.3
Site1	4/15/2009 9:17	13.98	11.85	8.23	410.5	0.2	410	0.2627	93.2	9.62
Site1	4/15/2009 9:18	12.99	11.92	8.26	411.2	0.21	411	0.2632	93.8	9.67
Site1	4/15/2009 9:20	11.87	12.04	8.28	411.8	0.21	413	0.2636	94.2	9.68
Site1	4/15/2009 9:21	10.89	12.08	8.29	412.1	0.21	415	0.2637	94.8	9.74
Site1	4/15/2009 9:22	9.98	12.09	8.3	411.8	0.21	417	0.2635	95.3	9.79
Site1	4/15/2009 9:23	8.79	12.09	8.31	412.2	0.21	418	0.2638	95.1	9.77
Site1	4/15/2009 9:24	8.05	12.11	8.3	412	0.21	420	0.2637	94.9	9.75
Site1	4/15/2009 9:25	6.99	12.12	8.29	412.4	0.21	422	0.2639	95	9.75

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site1	4/15/2009 9:26	6.02	12.12	8.3	412.3	0.21	423	0.2639	95.5	9.8
Site1	4/15/2009 9:27	4.98	12.14	8.33	412.5	0.21	423	0.264	95.7	9.82
Site1	4/15/2009 9:27	3.97	12.15	8.32	412.5	0.21	425	0.264	95.9	9.84
Site1	4/15/2009 9:28	2.84	12.23	8.35	413.1	0.21	425	0.2644	97	9.93
Site1	4/15/2009 9:29	1.98	12.24	8.35	412.9	0.21	426	0.2643	97.6	9.99
Site1	4/15/2009 9:30	1.02	12.28	8.36	413.3	0.21	427	0.2645	98.3	10.05
Site1	4/22/2009 9:17	0.1	16.01	8.12	412.7	0.21	375	0.2641	108.3	10.22
Site1	4/22/2009 9:18	1.03	15.65	8.2	412.6	0.21	375	0.2641	107.3	10.2
Site1	4/22/2009 9:19	2.01	13.94	8.23	413.3	0.21	376	0.2645	94.7	9.34
Site1	4/22/2009 9:20	3.01	13.83	8.24	414.5	0.21	377	0.2653	92.8	9.17
Site1	4/22/2009 9:21	4	13.79	8.26	412.4	0.21	379	0.2639	92.6	9.16
Site1	4/22/2009 9:23	4.99	13.76	8.28	412	0.21	381	0.2637	92.9	9.2
Site1	4/22/2009 9:24	5.99	13.75	8.29	412.2	0.21	383	0.2638	92.8	9.19
Site1	4/22/2009 9:24	6.99	13.74	8.31	412.3	0.21	384	0.2639	92.7	9.18
Site1	4/22/2009 9:25	8	13.68	8.31	412.2	0.21	386	0.2638	92	9.13
Site1	4/22/2009 9:26	8.99	13.64	8.32	412	0.21	388	0.2637	91	9.04
Site1	4/22/2009 9:27	10	13.54	8.31	412	0.21	389	0.2638	89.6	8.92
Site1	4/22/2009 9:29	11	13.51	8.32	412	0.21	392	0.2637	88.7	8.83
Site1	4/22/2009 9:30	11.99	13.47	8.3	412.4	0.21	395	0.2639	86.8	8.65
Site1	4/22/2009 9:31	12.98	13.42	8.29	413.5	0.21	396	0.2646	83.2	8.3
Site1	4/22/2009 9:32	14.02	13.39	8.27	413.8	0.21	398	0.2648	80.5	8.04
Site1	4/22/2009 9:34	14.99	13.37	8.25	414.7	0.21	401	0.2654	77	7.69
Site1	4/22/2009 9:35	16.01	13.34	8.21	415.3	0.21	403	0.2659	73.9	7.39
Site1	4/22/2009 9:37	16.36	13.31	8.2	416.1	0.21	406	0.2663	72.3	7.24
Site1	4/30/2009 8:57	0.11	17.16	8.02	414.6	0.21	362	0.2653	96.9	8.9
Site1	4/30/2009 8:58	0.97	17.15	8.11	414.7	0.21	361	0.2654	96.9	8.9
Site1	4/30/2009 8:59	2.02	17.13	8.16	414.7	0.21	361	0.2654	96.4	8.86
Site1	4/30/2009 9:01	3.03	17.12	8.19	414.8	0.21	362	0.2655	96.4	8.86
Site1	4/30/2009 9:02	4.05	17.11	8.21	415	0.21	365	0.2656	96	8.82
Site1	4/30/2009 9:04	5.01	17.11	8.22	414.9	0.21	367	0.2656	95.8	8.81
Site1	4/30/2009 9:06	6.03	17.11	8.24	414.9	0.21	370	0.2656	95.8	8.8
Site1	4/30/2009 9:09	7.01	17.1	8.24	414.9	0.21	374	0.2656	95.6	8.79
Site1	4/30/2009 9:10	7.99	16.87	8.18	416.9	0.21	377	0.2668	90.3	8.34
Site1	4/30/2009 9:12	9.06	16.54	8.14	418.6	0.21	380	0.2679	84.7	7.88
Site1	4/30/2009 9:14	10	16.08	8.09	419.5	0.21	381	0.2685	79.8	7.49
Site1	4/30/2009 9:16	11.06	15.96	8.08	419.9	0.21	382	0.2687	78.3	7.37
Site1	4/30/2009 9:18	12.02	15.85	8.06	420.2	0.21	383	0.269	76.6	7.23
Site1	4/30/2009 9:22	13.05	15.68	8.07	420.2	0.21	386	0.2689	75.1	7.11

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site1	4/30/2009 9:23	14.01	15.49	8.05	420.3	0.21	388	0.269	72.5	6.9
Site1	4/30/2009 9:25	15.06	15.15	8.02	420.2	0.21	389	0.2689	70.9	6.79
Site1	4/30/2009 9:28	15.94	14.1	7.93	422.8	0.21	391	0.2706	57.9	5.68
Site1	4/30/2009 9:32	16.7	13.8	7.82	427.1	0.21	361	0.2734	39.4	3.89
Site1	5/7/2009 10:28	0.1	19.09	8.02	417	0.21	387	0.2669	103.3	9.11
Site1	5/7/2009 10:30	0.99	17.42	8.02	416	0.21	387	0.2662	94.2	8.59
Site1	5/7/2009 10:31	2	17.16	8.05	416.7	0.21	386	0.2667	91.1	8.35
Site1	5/7/2009 10:32	2.03	17.16	8.09	416.7	0.21	384	0.2667	90.7	8.31
Site1	5/7/2009 10:33	2.98	17.15	8.08	416.7	0.21	385	0.2667	90.7	8.32
Site1	5/7/2009 10:34	4	17.13	8.09	416.7	0.21	385	0.2667	90.3	8.29
Site1	5/7/2009 10:35	5.02	17.13	8.1	416.5	0.21	385	0.2666	90	8.26
Site1	5/7/2009 10:36	5.98	17.12	8.12	416.8	0.21	385	0.2667	89.8	8.24
Site1	5/7/2009 10:37	7	17.12	8.11	416.6	0.21	386	0.2667	89.8	8.24
Site1	5/7/2009 10:38	7.99	17.1	8.12	416.8	0.21	386	0.2667	89.5	8.22
Site1	5/7/2009 10:39	9	17.08	8.12	416.9	0.21	386	0.2668	88.1	8.09
Site1	5/7/2009 10:40	10	17.06	8.12	416.9	0.21	386	0.2668	87.6	8.05
Site1	5/7/2009 10:40	10.99	17.01	8.11	416.8	0.21	386	0.2668	86.8	7.98
Site1	5/7/2009 10:42	12	16.7	8	419.2	0.21	387	0.2683	72.7	6.73
Site1	5/7/2009 10:44	13.01	16.31	7.88	424.5	0.21	388	0.2717	57.9	5.41
Site1	5/7/2009 10:45	14	16.14	7.81	425.8	0.21	388	0.2725	52.2	4.89
Site1	5/7/2009 10:47	14.99	15.74	7.74	427.5	0.21	388	0.2736	43.7	4.13
Site1	5/7/2009 10:48	16	15.25	7.67	430.2	0.22	388	0.2753	31.7	3.02
Site1	5/7/2009 10:50	16.01	15.26	7.67	430	0.22	385	0.2752	31.6	3.02
Site1	5/7/2009 10:57	16.52	14.91	7.64	436	0.22	382	0.279	17.1	1.65
Site1	5/15/2009 10:35	16.08	16.52	7.69	419.1	0.21	415	0.2682	30.2	2.81
Site1	5/15/2009 10:36	16.04	16.46	7.69	419.5	0.21	415	0.2685	31.6	2.94
Site1	5/15/2009 10:37	15.01	16.8	7.75	417.1	0.21	414	0.2669	39.5	3.65
Site1	5/15/2009 10:40	15.03	16.82	7.76	417	0.21	415	0.2669	40.4	3.73
Site1	5/15/2009 10:41	14.04	16.97	7.8	416.3	0.21	415	0.2664	44.3	4.08
Site1	5/15/2009 10:42	13.01	17.1	7.84	415.6	0.21	415	0.266	49.6	4.55
Site1	5/15/2009 10:44	11.81	17.33	7.93	415.3	0.21	416	0.2658	59.2	5.41
Site1	5/15/2009 10:45	10.56	17.86	8.1	412.9	0.21	415	0.2643	76.3	6.89
Site1	5/15/2009 10:46	10.04	18.09	8.15	412.5	0.21	416	0.264	82.2	7.39
Site1	5/15/2009 10:47	9.03	18.14	8.13	412.3	0.21	418	0.2639	82.1	7.38
Site1	5/15/2009 10:49	8.01	18.23	8.14	412.1	0.21	419	0.2638	82.5	7.4
Site1	5/15/2009 10:50	6.99	18.47	8.18	411.4	0.21	420	0.2633	87.9	7.84
Site1	5/15/2009 10:51	6.03	18.59	8.2	411.2	0.21	420	0.2632	90.2	8.03
Site1	5/15/2009 10:52	5	18.73	8.23	411	0.21	421	0.263	92.4	8.2

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site1	5/15/2009 10:53	3.99	18.78	8.22	411.1	0.21	422	0.2632	93.1	8.25
Site1	5/15/2009 10:54	3	18.79	8.23	411.1	0.21	422	0.2631	93.4	8.27
Site1	5/15/2009 10:55	2.01	18.82	8.23	411.1	0.21	424	0.2631	93.7	8.3
Site1	5/15/2009 10:56	0.96	18.92	8.26	411.1	0.21	423	0.2631	94.3	8.34
Site1	5/15/2009 10:58	0.13	18.94	8.24	411.1	0.21	425	0.2631	94.6	8.36
Site1	5/20/2009 9:09	0.1	20.3	8.01	414.3	0.21	450	0.2652	117.1	10.2
Site1	5/20/2009 9:12	16.77	17.11	7.61	429	0.21	441	0.2746	17.5	1.62
Site1	5/20/2009 9:14	16.03	17.41	7.67	425.7	0.21	434	0.2724	30.9	2.86
Site1	5/20/2009 9:17	15.05	17.61	7.73	424.5	0.21	430	0.2717	36.9	3.4
Site1	5/20/2009 9:19	14	17.79	7.78	423.7	0.21	427	0.2711	43.7	4.01
Site1	5/20/2009 9:21	13.05	17.97	7.83	422.8	0.21	426	0.2706	50	4.57
Site1	5/20/2009 9:24	12.06	18.09	7.87	423	0.21	425	0.2708	53.5	4.87
Site1	5/20/2009 9:26	11.05	18.39	7.97	420.4	0.21	424	0.269	63	5.7
Site1	5/20/2009 9:27	10.03	18.81	8.09	418.4	0.21	422	0.2677	73.8	6.62
Site1	5/20/2009 9:30	9.03	18.96	8.16	417.8	0.21	423	0.2674	80.7	7.22
Site1	5/20/2009 9:32	8.02	19	8.18	417.4	0.21	423	0.2671	82.7	7.39
Site1	5/20/2009 9:33	6.99	19.04	8.17	417.3	0.21	424	0.2671	81.6	7.29
Site1	5/20/2009 9:34	6	19.09	8.19	417.3	0.21	423	0.2671	81.6	7.28
Site1	5/20/2009 9:36	5.07	19.37	8.27	417	0.21	424	0.2669	92.6	8.22
Site1	5/20/2009 9:38	4	19.46	8.29	416.4	0.21	424	0.2665	93.6	8.29
Site1	5/20/2009 9:39	2.92	19.68	8.33	416.3	0.21	424	0.2664	96	8.47
Site1	5/20/2009 9:41	1.98	20.21	8.49	415	0.21	423	0.2656	113.9	9.94
Site1	5/20/2009 9:42	1	20.32	8.5	414.5	0.21	423	0.2653	117	10.19
Site1	5/29/2009 11:03	0.1	24.51	8.27	401.4	0.2	278	0.2569	126.5	10.07
Site1	5/29/2009 11:10	15.77	17.58	7.51	425	0.21	188	0.272	3.3	0.3
Site1	5/29/2009 11:11	15.05	17.71	7.53	423.2	0.21	170	0.2709	6.7	0.61
Site1	5/29/2009 11:13	14.08	17.81	7.56	421.9	0.21	159	0.27	9.2	0.84
Site1	5/29/2009 11:16	12.93	18.02	7.58	420.5	0.21	156	0.2691	13.9	1.26
Site1	5/29/2009 11:17	12.04	18.11	7.6	420.5	0.21	157	0.2691	16	1.44
Site1	5/29/2009 11:19	10.99	18.29	7.62	419.1	0.21	162	0.2682	18.7	1.68
Site1	5/29/2009 11:21	9.96	18.52	7.66	418.2	0.21	169	0.2677	22.7	2.03
Site1	5/29/2009 11:22	8.99	19.01	7.77	415.8	0.21	187	0.2661	38.1	3.37
Site1	5/29/2009 11:26	7.72	19.75	7.89	414.4	0.21	222	0.2652	51.7	4.51
Site1	5/29/2009 11:28	7	20.46	7.94	415.2	0.21	235	0.2657	53	4.56
Site1	5/29/2009 11:29	6.04	21.41	8.12	414.6	0.21	246	0.2653	62.7	5.29
Site1	5/29/2009 11:31	4.96	21.91	8.29	411.7	0.21	264	0.2635	74.9	6.26
Site1	5/29/2009 11:34	3.97	23.09	8.67	401.6	0.2	290	0.257	114	9.32
Site1	5/29/2009 11:34	2.97	23.27	8.69	400.8	0.2	299	0.2565	120.9	9.85

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site1	5/29/2009 11:36	1.98	23.39	8.71	400.2	0.2	309	0.2561	127	10.32
Site1	5/29/2009 11:38	1.02	23.75	8.73	399.6	0.2	324	0.2557	134.8	10.88
Site1	6/4/2009 9:43	14.81	17.94	7.5	424	0.21	522	0.2713	2.2	0.2
Site1	6/4/2009 9:44	13.91	18.08	7.51	422.1	0.21	521	0.2702	2	0.18
Site1	6/4/2009 9:45	13.01	18.12	7.5	421.8	0.21	527	0.27	2	0.18
Site1	6/4/2009 9:46	12.07	18.17	7.5	421.2	0.21	531	0.2696	1.9	0.17
Site1	6/4/2009 9:47	10.96	18.46	7.51	419	0.21	533	0.2681	3.7	0.33
Site1	6/4/2009 9:47	10.03	18.62	7.51	418.5	0.21	535	0.2678	5.6	0.49
Site1	6/4/2009 9:49	10.02	18.66	7.52	418.3	0.21	538	0.2677	6.2	0.55
Site1	6/4/2009 9:50	9.02	19.02	7.54	417.4	0.21	540	0.2672	9.4	0.82
Site1	6/4/2009 9:51	7.99	20.38	7.58	418.1	0.21	541	0.2676	9.4	0.8
Site1	6/4/2009 9:52	6.96	21.74	7.76	416.6	0.21	539	0.2666	27	2.23
Site1	6/4/2009 9:54	6.01	23.27	8.43	401.8	0.2	535	0.2572	86.6	6.94
Site1	6/4/2009 9:55	4.97	23.35	8.45	402.1	0.2	535	0.2574	87.4	7
Site1	6/4/2009 9:55	4	23.44	8.44	401.6	0.2	537	0.257	90.4	7.23
Site1	6/4/2009 9:57	3	23.44	8.43	401.6	0.2	537	0.257	91.1	7.28
Site1	6/4/2009 9:58	1.99	23.45	8.42	401.3	0.2	538	0.2568	91.4	7.3
Site1	6/4/2009 9:59	0.51	23.48	8.47	401.3	0.2	537	0.2568	92.6	7.39
Site1	6/4/2009 10:00	0.14	23.49	8.45	401.2	0.2	537	0.2567	92.9	7.41
Site1	6/25/2009 9:23	16.38	18.68	7.31	438.3	0.22	29	0.2805	3	0.27
Site1	6/25/2009 9:26	15	18.9	7.43	434.4	0.22	-17	0.278	2.1	0.19
Site1	6/25/2009 9:27	13.94	18.95	7.45	433.4	0.22	-26	0.2774	1.9	0.17
Site1	6/25/2009 9:28	13.03	19.02	7.45	432.9	0.22	-30	0.277	1.9	0.17
Site1	6/25/2009 9:28	12	19.1	7.47	432.5	0.22	-32	0.2768	1.8	0.16
Site1	6/25/2009 9:30	11.05	19.59	7.49	430.7	0.22	-33	0.2756	1.7	0.15
Site1	6/25/2009 9:31	9.99	20.09	7.52	430.3	0.22	-36	0.2754	1.8	0.16
Site1	6/25/2009 9:32	9.01	21.01	7.56	429.4	0.22	-41	0.2748	1.6	0.14
Site1	6/25/2009 9:34	8.02	22.9	7.62	426.7	0.21	-44	0.2731	1.5	0.12
Site1	6/25/2009 9:36	7.02	25.53	7.67	424	0.21	-22	0.2713	1.4	0.11
Site1	6/25/2009 9:37	6.03	26.93	7.82	422.5	0.21	41	0.2704	18.6	1.42
Site1	6/25/2009 9:38	5.04	27.46	8.07	420.6	0.21	94	0.2692	51.8	3.91
Site1	6/25/2009 9:39	3.95	28.45	8.4	415	0.21	150	0.2656	100.7	7.46
Site1	6/25/2009 9:40	2.97	28.67	8.45	412.9	0.21	170	0.2642	110.7	8.17
Site1	6/25/2009 9:41	1.5	28.9	8.48	410	0.2	193	0.2624	122.7	9.01
Site1	6/25/2009 9:42	1.09	29.51	8.52	406.7	0.2	212	0.2603	133.4	9.7
Site1	6/25/2009 9:43	0.12	30.07	8.52	406.6	0.2	226	0.2602	135.3	9.74
Site1	6/25/2009 9:25	16	18.77	7.36	435.5	0.22	-11	0.2787	2.4	0.21

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site1	7/9/2009 8:45	16.05	18.82	7.47	445.3	0.22	-16	0.285	2.3	0.2
Site1	7/9/2009 8:47	15	18.95	7.51	443.1	0.22	-40	0.2835	1.9	0.17
Site1	7/9/2009 8:49	13.98	19.1	7.55	441.9	0.22	-50	0.2827	1.7	0.15
Site1	7/9/2009 8:50	12.97	19.31	7.57	440.4	0.22	-58	0.2819	1.7	0.14
Site1	7/9/2009 8:52	11.87	19.43	7.59	439.6	0.22	-64	0.2814	1.6	0.14
Site1	7/9/2009 8:53	10.72	19.54	7.59	439.4	0.22	-67	0.2812	1.5	0.13
Site1	7/9/2009 8:54	9.84	20.71	7.66	437.2	0.22	-69	0.2798	1.5	0.13
Site1	7/9/2009 8:55	9	21.51	7.7	435.7	0.22	-70	0.2788	1.4	0.12
Site1	7/9/2009 8:56	8.01	23.33	7.75	434	0.22	-72	0.2778	1.4	0.11
Site1	7/9/2009 8:57	7	25.72	7.83	427.7	0.21	-62	0.2737	1.3	0.1
Site1	7/9/2009 8:59	6	26.41	7.82	423.9	0.21	-4	0.2713	6.8	0.52
Site1	7/9/2009 9:00	5	26.66	7.9	422.4	0.21	34	0.2703	21.9	1.67
Site1	7/9/2009 9:02	3.99	27.45	8.32	414.4	0.21	104	0.2652	72.4	5.44
Site1	7/9/2009 9:03	3	27.47	8.32	414.1	0.21	145	0.265	73.5	5.52
Site1	7/9/2009 9:05	2.01	27.47	8.3	414.2	0.21	170	0.2651	74.2	5.57
Site1	7/9/2009 9:06	1	27.48	8.31	414.1	0.21	187	0.265	75	5.63
Site1	7/9/2009 9:07	0.1	27.51	8.32	414	0.21	195	0.265	75.6	5.67
Site1	7/23/2009 8:56	0.11	27.64	8.07	399.4	0.2	391	0.2556	91.8	6.87
Site1	7/23/2009 8:59	16.01	19.07	7.12	447	0.22	16	0.2861	2.5	0.22
Site1	7/23/2009 9:00	14.97	19.14	7.15	444.4	0.22	-5	0.2844	2.2	0.19
Site1	7/23/2009 9:02	13.98	19.22	7.2	443.6	0.22	-16	0.2839	2	0.18
Site1	7/23/2009 9:02	12.98	19.51	7.25	441.4	0.22	-22	0.2825	1.9	0.17
Site1	7/23/2009 9:03	11.96	19.78	7.28	440.5	0.22	-29	0.2819	1.8	0.16
Site1	7/23/2009 9:04	11.01	20.12	7.3	439.6	0.22	-34	0.2814	1.8	0.15
Site1	7/23/2009 9:05	9.98	21.03	7.36	438.4	0.22	-38	0.2807	1.7	0.15
Site1	7/23/2009 9:06	9	23.02	7.45	434.6	0.22	-42	0.2781	1.7	0.14
Site1	7/23/2009 9:07	8.01	27.4	8.33	399.7	0.2	69	0.2558	87	6.54
Site1	7/23/2009 9:09	7.03	27.54	8.34	399.3	0.2	112	0.2556	87.4	6.56
Site1	7/23/2009 9:09	6.02	27.59	8.34	399.3	0.2	124	0.2556	87.2	6.54
Site1	7/23/2009 9:10	5.02	27.6	8.33	399.7	0.2	146	0.2558	87	6.52
Site1	7/23/2009 9:11	3.93	27.6	8.34	401.5	0.2	157	0.2569	86.4	6.48
Site1	7/23/2009 9:12	2.98	27.64	8.33	399.7	0.2	170	0.2558	86.4	6.47
Site1	7/23/2009 9:14	2.02	27.66	8.36	399.6	0.2	180	0.2557	89.2	6.68
Site1	7/23/2009 9:15	1.02	27.75	8.4	398.1	0.2	198	0.2548	96.5	7.21
Site1	7/23/2009 9:17	0.11	27.85	8.44	397.7	0.2	208	0.2545	102.1	7.62
Site1	8/6/2009 9:53	16.54	19.36	7.26	448.3	0.23	-23	0.2869	4.6	0.42
Site1	8/6/2009 9:55	16.01	19.38	7.21	448.2	0.23	-31	0.2868	2.5	0.23
Site1	8/6/2009 9:56	15.25	19.47	7.23	446.5	0.22	-53	0.2858	2.1	0.19

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site1	8/6/2009 9:57	14.01	19.71	7.27	445.2	0.22	-62	0.2849	1.9	0.17
Site1	8/6/2009 9:58	13	20.02	7.3	443.7	0.22	-68	0.284	1.9	0.17
Site1	8/6/2009 10:00	12.01	20.45	7.33	442.8	0.22	-74	0.2834	1.7	0.15
Site1	8/6/2009 10:00	11	21.12	7.37	441.9	0.22	-76	0.2828	1.7	0.15
Site1	8/6/2009 10:02	10.01	23.41	7.51	431	0.22	-78	0.2758	1.6	0.13
Site1	8/6/2009 10:03	8.84	26.77	7.96	396.7	0.2	-11	0.2539	26.3	2.08
Site1	8/6/2009 10:04	7.8	26.77	8.01	396.7	0.2	10	0.2539	31	2.46
Site1	8/6/2009 10:05	7.01	27.27	8.17	392.6	0.2	39	0.2513	49.7	3.9
Site1	8/6/2009 10:06	5.82	27.49	8.26	390.2	0.19	76	0.2497	62.3	4.87
Site1	8/6/2009 10:07	4.81	27.8	8.49	384	0.19	106	0.2458	96	7.46
Site1	8/6/2009 10:08	4	27.82	8.52	383.4	0.19	124	0.2453	98.7	7.67
Site1	8/6/2009 10:08	2.97	27.81	8.52	383.3	0.19	136	0.2453	99.4	7.72
Site1	8/6/2009 10:10	2	27.82	8.51	383.4	0.19	155	0.2454	99.9	7.76
Site1	8/6/2009 10:11	1	27.8	8.52	382.8	0.19	167	0.245	100.3	7.79
Site1	8/6/2009 10:11	0.09	27.77	8.53	382.8	0.19	173	0.245	100.4	7.81
Site1	8/24/2009 9:17	0.1	26.68	8.51	385.9	0.19	345	0.247	70.5	5.39
Site1	8/24/2009 9:18	1	26.69	8.5	385.7	0.19	344	0.2468	70	5.35
Site1	8/24/2009 9:19	2	26.7	8.5	386	0.19	343	0.2469	67.2	5.14
Site1	8/24/2009 9:20	3	26.71	8.5	385.8	0.19	342	0.2469	66.7	5.1
Site1	8/24/2009 9:20	4	26.7	8.48	385.6	0.19	342	0.2468	65.3	4.99
Site1	8/24/2009 9:22	5	26.7	8.48	386.3	0.19	342	0.2472	64.5	4.93
Site1	8/24/2009 9:23	6	26.7	8.46	386.4	0.19	342	0.2473	63.5	4.85
Site1	8/24/2009 9:24	7	26.7	8.46	386.4	0.19	342	0.2473	62.9	4.81
Site1	8/24/2009 9:25	8	26.68	8.44	386.9	0.19	343	0.2476	60.8	4.65
Site1	8/24/2009 9:27	9	26.6	8.29	389.6	0.19	347	0.2493	39.1	3
Site1	8/24/2009 9:29	10	25.48	7.89	409.4	0.2	64	0.262	2	0.16
Site1	8/24/2009 9:30	11	22.91	7.56	439.2	0.22	24	0.2811	1.6	0.13
Site1	8/24/2009 9:31	12	21.19	7.39	449.5	0.23	3	0.2877	1.5	0.13
Site1	8/24/2009 9:39	13	20.52	7.33	451.1	0.23	-23	0.2887	1.7	0.15
Site1	8/24/2009 9:40	13.9	20.24	7.3	452.8	0.23	-30	0.2898	1.5	0.13
Site1	8/24/2009 9:42	15	20.01	7.27	455.4	0.23	-38	0.2914	1.4	0.12
Site1	8/24/2009 9:42	16.1	19.78	7.12	460.9	0.23	-39	0.295	1.3	0.11
Site1	8/24/2009 9:43	16.1	19.72	7.09	461.7	0.23	-38	0.2955	1.3	0.12
Site1	9/3/2009 9:20	16.05	19.71	6.79	478.2	0.24	6	0.306	2.1	0.19
Site1	9/3/2009 9:21	15.04	19.89	6.87	467.3	0.24	-8	0.299	2	0.17
Site1	9/3/2009 9:22	14.02	20.38	6.97	460.7	0.23	-21	0.2948	1.8	0.16
Site1	9/3/2009 9:23	13.03	20.79	7.02	458.1	0.23	-27	0.2932	1.7	0.15
Site1	9/3/2009 9:24	12.02	21.47	7.09	456	0.23	-32	0.2918	1.6	0.14

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site1	9/3/2009 9:25	11.02	23.35	7.29	442.4	0.22	-37	0.2831	1.6	0.13
Site1	9/3/2009 9:27	10.03	24.98	7.92	389.5	0.19	62	0.2492	50.2	3.98
Site1	9/3/2009 9:28	9.02	25	7.93	389	0.19	88	0.249	51.1	4.05
Site1	9/3/2009 9:30	8.05	25.02	7.95	388.8	0.19	108	0.2488	54.3	4.31
Site1	9/3/2009 9:31	7.01	25.03	7.96	388.6	0.19	117	0.2487	55	4.36
Site1	9/3/2009 9:32	6.01	25.04	7.96	388.5	0.19	127	0.2486	55.9	4.43
Site1	9/3/2009 9:33	5.01	25.05	7.97	388.3	0.19	134	0.2485	56	4.43
Site1	9/3/2009 9:34	4.03	25.05	7.98	388.4	0.19	140	0.2486	57	4.52
Site1	9/3/2009 9:34	3.03	25.05	7.97	388.5	0.19	145	0.2486	57.9	4.58
Site1	9/3/2009 9:36	2.05	25.05	7.98	388.4	0.19	152	0.2486	57.8	4.58
Site1	9/3/2009 9:37	1.04	25.04	7.99	388.2	0.19	157	0.2485	59.3	4.7
Site1	9/3/2009 9:39	0.1	25.04	7.98	388.2	0.19	167	0.2485	60.3	4.77
Site1	9/17/2009 9:37	15.65	19.77	7.42	496.1	0.25	76	0.3175	2.5	0.22
Site1	9/17/2009 9:38	15.03	19.94	7.44	486.7	0.25	68	0.3115	2.1	0.18
Site1	9/17/2009 9:38	14.02	20.25	7.55	481.8	0.24	59	0.3083	1.9	0.17
Site1	9/17/2009 9:39	13.04	23.47	8.49	389.8	0.19	113	0.2495	60.1	4.83
Site1	9/17/2009 9:40	11.96	23.47	8.45	389.8	0.19	132	0.2495	60.8	4.89
Site1	9/17/2009 9:40	10.95	23.47	8.49	389.8	0.19	136	0.2495	61	4.9
Site1	9/17/2009 9:41	10.04	23.48	8.41	389.7	0.19	151	0.2494	61.2	4.92
Site1	9/17/2009 9:42	9.06	23.48	8.42	389.7	0.19	155	0.2494	61.1	4.92
Site1	9/17/2009 9:42	8.01	23.48	8.52	389.8	0.19	151	0.2495	61.3	4.93
Site1	9/17/2009 9:43	6.99	23.48	8.37	390.1	0.19	166	0.2496	61.5	4.95
Site1	9/17/2009 9:44	5.89	23.48	8.41	389.9	0.19	168	0.2496	61.6	4.96
Site1	9/17/2009 9:45	5	23.48	8.37	389.8	0.19	173	0.2495	61.8	4.97
Site1	9/17/2009 9:45	4.04	23.48	8.35	389.9	0.19	178	0.2496	62	4.98
Site1	9/17/2009 9:47	2.99	23.48	8.29	389.9	0.19	186	0.2496	62.1	4.99
Site1	9/17/2009 9:47	2.05	23.48	8.31	389.8	0.19	188	0.2495	62.2	5
Site1	9/17/2009 9:48	0.95	23.48	8.34	389.8	0.19	188	0.2495	61.9	4.98
Site1	9/17/2009 9:49	0.05	23.48	8.31	389.9	0.19	193	0.2495	62.8	5.05
Site1	9/30/2009 10:02	16.2	21.42	7.11	399.6	0.2	348	0.2557	18.7	1.59
Site1	9/30/2009 10:03	16.02	21.46	7.23	395.3	0.2	342	0.253	28.8	2.43
Site1	9/30/2009 10:04	15.02	21.5	7.3	391.5	0.19	341	0.2506	39.7	3.37
Site1	9/30/2009 10:05	14.03	21.58	7.33	391.7	0.19	330	0.2507	42.4	3.6
Site1	9/30/2009 10:06	13.04	21.65	7.35	391.4	0.19	331	0.2505	45.5	3.85
Site1	9/30/2009 10:07	12.06	21.78	7.4	390.5	0.19	332	0.2499	53.3	4.5
Site1	9/30/2009 10:08	11.03	21.78	7.41	390.4	0.19	333	0.2498	54.2	4.58
Site1	9/30/2009 10:09	10.02	21.79	7.42	390.1	0.19	333	0.2497	54.5	4.6
Site1	9/30/2009 10:10	9.05	21.79	7.42	390.1	0.19	334	0.2497	55	4.64

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site1	9/30/2009 10:11	8.05	21.79	7.43	390.2	0.19	334	0.2498	55.1	4.66
Site1	9/30/2009 10:12	7.03	21.79	7.43	390.8	0.19	334	0.2501	54.9	4.64
Site1	9/30/2009 10:14	6	21.79	7.44	390.4	0.19	334	0.2498	54.8	4.63
Site1	9/30/2009 10:15	5.02	21.79	7.46	390.4	0.19	333	0.2499	55	4.65
Site1	9/30/2009 10:17	4.01	21.79	7.47	390	0.19	333	0.2496	55.1	4.66
Site1	9/30/2009 10:18	3.05	21.81	7.49	390	0.19	333	0.2496	57	4.81
Site1	9/30/2009 10:19	2.04	21.82	7.51	390.7	0.19	333	0.25	57	4.82
Site1	9/30/2009 10:20	1.02	21.84	7.51	390.2	0.19	333	0.2497	58.6	4.96
Site1	9/30/2009 10:21	0.17	21.86	7.52	390.4	0.19	334	0.2498	59.6	5.03
Site1	10/19/2009 9:18	16.13	16.17	7.45	383	0.19	166	0.2451	47.9	4.51
Site1	10/19/2009 9:19	15.86	16.17	7.49	382.8	0.19	222	0.245	58	5.47
Site1	10/19/2009 9:20	15	16.23	7.6	379.7	0.19	251	0.243	71	6.68
Site1	10/19/2009 9:22	14.01	16.31	7.65	379.5	0.19	284	0.2429	73.8	6.93
Site1	10/19/2009 9:23	13.18	16.31	7.66	379.5	0.19	292	0.2429	75.4	7.08
Site1	10/19/2009 9:24	11.99	16.35	7.68	379.4	0.19	298	0.2428	76.3	7.16
Site1	10/19/2009 9:25	11.05	16.35	7.69	379.3	0.19	308	0.2427	76.3	7.16
Site1	10/19/2009 9:27	9.99	16.36	7.7	379.3	0.19	318	0.2427	76.4	7.17
Site1	10/19/2009 9:28	9.01	16.36	7.71	379.3	0.19	320	0.2427	76.6	7.18
Site1	10/19/2009 9:29	7.99	16.36	7.71	379.2	0.19	323	0.2427	76.6	7.19
Site1	10/19/2009 9:30	6.98	16.37	7.71	379.4	0.19	326	0.2428	77.1	7.23
Site1	10/19/2009 9:31	5.74	16.36	7.71	379	0.19	329	0.2426	76.9	7.21
Site1	10/19/2009 9:31	5	16.37	7.72	379.4	0.19	331	0.2428	76.9	7.21
Site1	10/19/2009 9:32	4.02	16.37	7.72	379.2	0.19	332	0.2427	77	7.22
Site1	10/19/2009 9:33	3.01	16.37	7.72	379.7	0.19	334	0.243	77.1	7.23
Site1	10/19/2009 9:33	2	16.38	7.72	379.3	0.19	335	0.2427	77.4	7.25
Site1	10/19/2009 9:34	1	16.37	7.72	379.2	0.19	336	0.2429	77.3	7.25
Site1	10/19/2009 9:34	0.09	16.34	7.72	379.5	0.19	336	0.0012	77.5	7.28

Table D-4 Site 2 Station Data

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site2	4/22/2008 12:30	0.2	16.2	8.32	388.1	0.19	327	0.2484	99.8	9.32
Site2	4/22/2008 12:31	0.9	16.19	8.33	388.7	0.19	326	0.2487	99.7	9.31
Site2	4/22/2008 12:32	2	16.18	8.32	388.2	0.19	326	0.2485	99.3	9.28
Site2	4/22/2008 12:33	3.1	15.98	8.33	388.3	0.19	326	0.2485	98.7	9.26
Site2	4/22/2008 12:33	4	15.8	8.32	387.5	0.19	326	0.248	97.7	9.21
Site2	4/22/2008 12:34	5	15.65	8.32	387.7	0.19	326	0.2481	97.2	9.18
Site2	4/22/2008 12:35	6	15.51	8.31	386	0.19	327	0.247	95.9	9.09
Site2	4/22/2008 12:35	7	15.1	8.3	386.8	0.19	327	0.2476	94.3	9.01
Site2	4/22/2008 12:36	8	15.02	8.3	387.7	0.19	327	0.2481	93.8	8.98
Site2	4/22/2008 12:36	9.1	14.79	8.3	388.8	0.19	327	0.2488	93.3	8.98
Site2	4/22/2008 12:37	10	14.58	8.29	389.8	0.19	328	0.2495	92.1	8.91
Site2	4/22/2008 12:38	11	14.4	8.28	390.7	0.19	328	0.2501	91.2	8.86
Site2	4/22/2008 12:39	12	14.34	8.28	391.1	0.19	328	0.2503	90.1	8.76
Site2	4/22/2008 12:39	13.1	14.27	8.26	391.3	0.19	329	0.2504	87.8	8.55
Site2	5/16/2008 13:19	0.1	19.34	8.28	389.2	0.19	365	0.2491	102.6	9
Site2	5/16/2008 13:20	1	19.31	8.29	389.3	0.19	363	0.2491	102	8.95
Site2	5/16/2008 13:21	2	19.15	8.28	389.3	0.19	361	0.2492	100.6	8.85
Site2	5/16/2008 13:22	4.1	18.82	8.24	389.8	0.19	360	0.2495	94.3	8.36
Site2	5/16/2008 13:23	5	18.78	8.25	389.3	0.19	358	0.2491	94.7	8.4
Site2	5/16/2008 13:24	6	18.76	8.21	390.6	0.19	357	0.25	91.1	8.09
Site2	5/16/2008 13:26	7.1	18.74	8.21	391.1	0.19	356	0.2503	90.7	8.05
Site2	5/16/2008 13:28	8	18.7	8.21	390.9	0.19	353	0.2502	91.5	8.13
Site2	5/16/2008 13:30	9	18.7	8.21	391.1	0.19	353	0.2503	90.3	8.02
Site2	5/16/2008 13:32	10	18.69	8.2	391.3	0.19	352	0.2504	89.5	7.95
Site2	5/16/2008 13:33	11	18.62	8.17	391.8	0.19	352	0.2508	86	7.65
Site2	5/16/2008 13:35	11.7	18.55	8.15	391.1	0.19	335	0.2503	84.6	7.54
Site2	5/21/2008 14:14	0.1	21.56	8.49	390.4	0.19	422	0.2498		
Site2	5/21/2008 14:15	1	21.57	8.5	390.3	0.19	422	0.2498		
Site2	5/21/2008 14:16	2	21.5	8.5	390.6	0.19	421	0.25		
Site2	5/21/2008 14:17	3.1	21.34	8.5	390.8	0.19	421	0.2501		
Site2	5/21/2008 14:17	4	21.27	8.49	391.2	0.19	420	0.2504		
Site2	5/21/2008 14:18	5	21.23	8.49	391.5	0.19	419	0.2506		
Site2	5/21/2008 14:19	6	21.11	8.47	392	0.19	419	0.2509		
Site2	5/21/2008 14:20	7.1	20.97	8.46	390.9	0.19	418	0.2502		
Site2	5/21/2008 14:21	8	18.82	8.19	393.8	0.2	423	0.252		
Site2	5/21/2008 14:21	9	18.75	8.1	393.8	0.2	423	0.252		

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site2	5/21/2008 14:22	10	18.74	8.07	393.7	0.2	421	0.2519		
Site2	5/21/2008 14:23	11	18.72	8.05	393.8	0.2	420	0.252		
Site2	5/21/2008 14:24	11.8	18.73	8.03	393.6	0.2	407	0.2519		
Site2	6/4/2008 15:06	0.1	25.76	8.42	357	0.2	412	0.229	92.4	7.26
Site2	6/4/2008 15:07	1	25.76	8.42	358	0.2	420	0.229	90.5	7.11
Site2	6/4/2008 15:09	2.1	25.77	8.42	358	0.2	427	0.229	90.3	7.09
Site2	6/4/2008 15:11	3.1	25.74	8.41	358	0.2	433	0.229	89.3	7.02
Site2	6/4/2008 15:13	3.8	25.7	8.4	358	0.2	437	0.229	88.4	6.95
Site2	6/4/2008 15:14	5.1	25.72	8.41	358	0.2	439	0.229	88.4	6.92
Site2	6/4/2008 15:16	6.1	25.62	8.4	358	0.2	442	0.229	87.4	6.88
Site2	6/4/2008 15:18	7.1	25.59	8.4	358	0.2	443	0.229	87.8	6.92
Site2	6/4/2008 15:19	8	25.52	8.39	358	0.2	444	0.229	86.2	6.8
Site2	6/4/2008 15:21	9.2	25.44	8.37	358	0.2	446	0.229	84.1	6.64
Site2	6/4/2008 15:22	10.2	25.41	8.37	358	0.2	447	0.229	83.5	6.6
Site2	6/4/2008 15:24	11.2	20.32	7.47	363	0.2	479	0.232	8.5	0.74
Site2	6/4/2008 15:26	12.2	19.17	7.41	364	0.2	479	0.233	1.1	0.1
Site2	6/18/2008 11:23	0.1	26.71	8.31	397	0.2	237	0.2541	100.2	7.7
Site2	6/18/2008 11:24	1	26.56	8.37	395.9	0.2	232	0.2534	99.6	7.68
Site2	6/18/2008 11:26	2.5	25.79	8.29	400.3	0.2	233	0.2562	84.8	6.63
Site2	6/18/2008 11:29	3	25.25	8.34	405.3	0.2	213	0.2594	82.7	6.53
Site2	6/18/2008 11:30	4.1	25.46	8.32	403.7	0.2	209	0.2584	81.7	6.43
Site2	6/18/2008 11:31	5.3	25.45	8.29	404.4	0.2	208	0.2588	78	6.13
Site2	6/18/2008 11:32	6	25.35	8.26	405.3	0.2	207	0.2594	74.3	5.85
Site2	6/18/2008 11:33	7.4	25.22	8.19	406.2	0.2	208	0.26	67.4	5.32
Site2	6/18/2008 11:35	8.1	25.13	8.13	407	0.2	209	0.2604	62.8	4.96
Site2	6/18/2008 11:36	9.3	24.98	8.11	407.2	0.2	210	0.2606	62.9	4.99
Site2	6/18/2008 11:37	10.4	24.5	7.74	403.8	0.2	204	0.2592	18.6	1.49
Site2	6/18/2008 11:38	11.1	23.9	7.62	412.9	0.21	200	0.2643	4.5	0.36
Site2	6/18/2008 11:39	12	23.48	7.55	418.8	0.21	55	0.2681	1.9	0.15
Site2	6/18/2008 11:40	12.1	23.53	7.44	507.8	0.26	20	0.3254	1.4	0.12
Site2	7/9/2008 12:11	12.23	23.2	7.72	409.5	0.2	-118	0.2621	2.8	0.23
Site2	7/9/2008 12:13	11.9	23.4	7.72	407.7	0.2	-127	0.2609	1.9	0.16
Site2	7/9/2008 12:15	11.02	23.89	7.81	402.1	0.2	-124	0.2574	1.5	0.12
Site2	7/9/2008 12:16	10.16	24.25	7.86	399.7	0.2	-116	0.2558	1.4	0.12
Site2	7/9/2008 12:18	8.68	25.09	7.86	397	0.2	-87	0.2541	1.4	0.11
Site2	7/9/2008 12:19	8.02	25.79	7.88	396.5	0.2	-82	0.2538	1.2	0.1
Site2	7/9/2008 12:20	6.97	26.45	7.93	396.8	0.2	-78	0.254	1.2	0.1

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site2	7/9/2008 12:22	5.94	27.7	8.22	389.8	0.19	67	0.2494	41.6	3.13
Site2	7/9/2008 12:23	5.53	28.13	8.48	385.4	0.19	101	0.2466	78.9	5.89
Site2	7/9/2008 12:23	4.59	28.38	8.6	383	0.19	123	0.2454	95.2	7.08
Site2	7/9/2008 12:24	3.99	28.56	8.66	381.5	0.19	151	0.2441	102	7.56
Site2	7/9/2008 12:25	4.03	28.59	8.65	381.3	0.19	159	0.244	103	7.63
Site2	7/9/2008 12:26	2.91	28.69	8.65	381.5	0.19	164	0.2442	100	7.4
Site2	7/9/2008 12:26	1.92	28.78	8.71	381.2	0.19	171	0.244	112	8.27
Site2	7/9/2008 12:27	1.05	29.08	8.75	381.1	0.19	181	0.2439	121.7	8.94
Site2	7/9/2008 12:28	0.11	29.28	8.75	380.4	0.19	182	0.2434	123.8	9.06
Site2	7/21/2008 10:23	0.15	29.66	8.41	363.4	0.18	351	0.2326	136	9.89
Site2	7/21/2008 10:24	0.98	29.62	8.42	363.1	0.18	341	0.2324	136.7	9.95
Site2	7/21/2008 10:25	1.98	29.54	8.47	363	0.18	328	0.2323	135.1	9.84
Site2	7/21/2008 10:26	3	29.29	8.4	364.8	0.18	322	0.2335	121.7	8.91
Site2	7/21/2008 10:28	3.98	29.22	8.32	365.9	0.18	319	0.2342	115.3	8.45
Site2	7/21/2008 10:30	5.03	28.66	8.01	373.6	0.18	315	0.2391	67	4.96
Site2	7/21/2008 10:31	6	27.7	7.67	382.7	0.19	313	0.245	22.5	1.7
Site2	7/21/2008 10:33	7	27.17	7.54	385.2	0.19	308	0.2465	6.6	0.5
Site2	7/21/2008 10:34	8.09	26.52	7.5	389	0.19	99	0.2489	1.6	0.12
Site2	7/21/2008 10:35	9.04	25.57	7.46	392.9	0.2	-70	0.2515	1.6	0.13
Site2	7/21/2008 10:36	10	24.82	7.44	396.3	0.2	-99	0.2536	1.5	0.12
Site2	7/21/2008 10:38	10.89	23.74	7.36	402.7	0.2	-130	0.2577	1.5	0.12
Site2	8/4/2008 9:56	0.5	30.67	8.41	398.7	0.2	218	0.2552	117.2	8.36
Site2	8/4/2008 9:59	1	30.66	8.43	398.3	0.2	226	0.2549	117.1	8.36
Site2	8/4/2008 10:01	2.1	30.63	8.41	398.5	0.2	231	0.255	116	8.28
Site2	8/4/2008 10:03	3	30.57	8.38	398.5	0.2	235	0.255	114	8.15
Site2	8/4/2008 10:06	4.1	30.5	8.35	398.4	0.2	239	0.255	113.1	8.09
Site2	8/4/2008 10:10	4.9	29.42	7.61	416	0.21	197	0.2663	7.3	0.53
Site2	8/4/2008 10:13	6.1	28.34	7.56	423.1	0.21	-69	0.2708	1.4	0.11
Site2	8/4/2008 10:15	7.1	27.29	7.5	431.6	0.22	-100	0.2762	1.2	0.09
Site2	8/4/2008 10:16	8	26.25	7.47	437.1	0.22	-107	0.2797	1.2	0.09
Site2	8/4/2008 10:17	9	25.89	7.45	439	0.22	-109	0.281	1.2	0.09
Site2	8/4/2008 10:18	10.1	24.3	7.38	448	0.23	-111	0.2867	1.2	0.1
Site2	8/4/2008 10:19	11	23.88	7.33	450.9	0.23	-112	0.2886	1.1	0.09
Site2	8/4/2008 10:20	11.3	23.58	7.3	453.7	0.23	-112	0.2904	1.2	0.09
Site2	8/18/2008 9:27	0.1	27.15	8.18	364.7	0.18	390	0.2334	68.8	5.24
Site2	8/18/2008 9:28	1	27.13	8.14	364.6	0.18	389	0.2333	66.1	5.03
Site2	8/18/2008 9:29	2	27.15	8.13	364.8	0.18	388	0.2337	65.6	5

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site2	8/18/2008 9:31	3	27.13	8.13	364.9	0.18	387	0.2335	66.7	5.08
Site2	8/18/2008 9:33	4	27.15	8.13	364.8	0.18	386	0.2335	65.2	4.97
Site2	8/18/2008 9:34	5.1	27.17	8.13	364.7	0.18	386	0.2334	65.9	5.02
Site2	8/18/2008 9:35	6.1	27.17	8.14	364.5	0.18	385	0.2333	66.7	5.08
Site2	8/18/2008 9:38	7.1	27.17	8.13	364.6	0.18	385	0.2333	64.5	4.92
Site2	8/18/2008 9:40	8.1	27.13	8.07	366	0.18	384	0.2342	54.1	4.12
Site2	8/18/2008 9:42	9.1	26.31	8.52	372.1	0.18	-40	0.2381	2.1	0.16
Site2	8/18/2008 9:43	10	25.18	8.5	404.2	0.2	-67	0.2587	1.8	0.14
Site2	8/18/2008 9:44	11.1	24.03	8.39	414.7	0.21	-83	0.2654	1.5	0.12
Site2	9/2/2008 10:45	6.8	25.79	7.49	365.8	0.18	53	0.2341	1.5	0.11
Site2	9/2/2008 11:03	0.2	27.93	8.5	354.7	0.17	246	0.227	107.1	8.01
Site2	9/2/2008 11:04	1	27.93	8.46	354.8	0.17	260	0.227	106.2	7.94
Site2	9/2/2008 11:06	2	27.93	8.48	354.9	0.17	268	0.2271	105.3	7.88
Site2	9/2/2008 11:07	3	27.92	8.5	354.9	0.17	273	0.2271	100.4	7.51
Site2	9/2/2008 11:09	3.5	27.9	8.49	354.9	0.17	277	0.2272	92.9	6.95
Site2	9/2/2008 11:12	4.1	27.82	8.37	357.8	0.18	281	0.229	85.4	6.4
Site2	9/2/2008 11:13	5	26.41	7.55	367.3	0.18	286	0.2351	3.2	0.25
Site2	9/2/2008 11:15	4.5	26.82	7.64	366.5	0.18	280	0.2345	9.4	0.71
Site2	9/2/2008 11:16	6	26.22	7.53	366.8	0.18	254	0.2347	2	0.15
Site2	9/2/2008 11:19	7	26	7.52	365.2	0.18	146	0.2337	1.5	0.11
Site2	9/2/2008 11:20	8.1	25.06	7.45	357.9	0.18	37	0.229	1.2	0.1
Site2	9/2/2008 11:22	9	24.74	7.45	350.6	0.17	19	0.2244	1.3	0.1
Site2	9/2/2008 11:23	9.9	24.29	7.39	349.2	0.17	-3	0.2235	1.1	0.09
Site2	9/2/2008 11:25	11	23.59	7.27	368.3	0.18	-23	0.2357	1.2	0.1
Site2	9/2/2008 11:26	11.9	23.04	7.13	393.6	0.2	-35	0.2519	1.1	0.09
Site2	9/22/2008 11:30	0.1	23.76	8.6	337.3	0.17	249	0.2159	119.7	8.4
Site2	9/22/2008 11:31	1	23.74	8.59	337.3	0.17	263	0.2158	120.1	8.43
Site2	9/22/2008 11:34	2.1	23.75	8.58	337.4	0.17	277	0.2159	119.2	8.36
Site2	9/22/2008 11:36	3	23.68	8.55	337.6	0.17	287	0.2161	114.8	8.07
Site2	9/22/2008 11:39	4	23.57	8.47	338.5	0.17	296	0.2167	102.3	7.2
Site2	9/22/2008 11:41	5.1	23.44	8.33	339.9	0.17	296	0.2175	87.7	6.19
Site2	9/22/2008 11:45	6.1	23.4	8.16	342.3	0.17	313	0.2191	67	4.73
Site2	9/22/2008 11:47	7	23.23	7.97	342.6	0.17	286	0.2193	43.9	3.11
Site2	9/22/2008 11:49	8	23.18	7.89	342.6	0.17	270	0.2193	37.7	2.68
Site2	9/22/2008 11:51	9	23.05	7.84	342.3	0.17	264	0.2191	27	1.92
Site2	9/22/2008 11:53	10.1	23.03	7.79	342.8	0.17	256	0.2194	19.1	1.36
Site2	9/22/2008 11:54	11	22.99	7.73	345.6	0.17	251	0.2212	3.9	0.28
Site2	9/22/2008 11:55	11.2	22.92	7.71	350.3	0.17	218	0.2242	1.8	0.13

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site2	10/16/2008 10:29	0.08	20.26	8.17	377.4	0.19	424	0.2415	78.7	6.83
Site2	10/16/2008 10:30	1.06	20.28	8.14	377.4	0.19	425	0.2415	78	6.77
Site2	10/16/2008 10:32	2.04	20.28	8.17	377.7	0.19	423	0.2417	77.6	6.74
Site2	10/16/2008 10:33	3.03	20.29	8.15	377.4	0.19	422	0.2415	76.8	6.67
Site2	10/16/2008 10:34	4.01	20.3	8.15	377.4	0.19	421	0.2415	76	6.59
Site2	10/16/2008 10:35	5.02	20.3	8.15	377.3	0.19	420	0.2415	76.2	6.61
Site2	10/16/2008 10:36	6.01	20.29	8.15	377.3	0.19	420	0.2415	76.5	6.64
Site2	10/16/2008 10:37	7.03	20.26	8.16	377.2	0.19	420	0.2414	77.4	6.72
Site2	10/16/2008 10:38	8.02	20.21	8.19	376.9	0.19	419	0.2412	79.5	6.91
Site2	10/16/2008 10:39	9.01	20.16	8.21	376.7	0.19	418	0.2411	81	7.05
Site2	10/16/2008 10:40	9.99	20.14	8.22	376.5	0.19	418	0.241	81.5	7.1
Site2	10/16/2008 10:40	11.04	20.14	8.22	376.6	0.19	418	0.2411	80.9	7.04
Site2	10/16/2008 10:41	11.29	20.15	8.21	376.7	0.19	390	0.2411	23.9	2.08
Site2	12/8/2008 11:42	0.1	7.88	8.03	372		500		87.3	10.09
Site2	12/8/2008 11:43	0.5	7.85	8.06	372.2		497		87	10.07
Site2	12/8/2008 11:44	1	7.84	8.07	372.2		493		86.8	10.05
Site2	12/8/2008 11:45	2	7.82	8.08	372.4		489		86.6	10.02
Site2	12/8/2008 11:46	3	7.84	8.08	372.2		487		86.5	10.01
Site2	12/8/2008 11:47	4	7.83	8.08	372.2		485		86.3	9.99
Site2	12/8/2008 11:48	5	7.8	8.08	372.4		483		86.2	9.99
Site2	12/8/2008 11:49	6	7.81	8.08	372.4		482		86	9.97
Site2	12/8/2008 11:50	7	7.81	8.09	372.1		480		85.9	9.95
Site2	12/8/2008 11:50	8	7.79	8.09	372.4		479		85.9	9.95
Site2	12/8/2008 11:51	9	7.79	8.08	373.1		479		85.8	9.94
Site2	12/8/2008 11:51	10	7.8	8.08	372.3		475		85.4	9.9
Site2	12/8/2008 11:52	11	7.82	7.88	372.9		374		72.2	8.36
Site2	2/9/2009 10:14	0.05	6.26	7.75	379.8	0.19	404	0.243	101.1	11.97
Site2	2/9/2009 10:15	1.13	6.26	7.87	379.8	0.19	403	0.2431	101.1	11.98
Site2	2/9/2009 10:16	1.95	6.25	7.9	379.8	0.19	403	0.2431	100.9	11.96
Site2	2/9/2009 10:16	3.05	6.25	7.93	379.8	0.19	403	0.2431	100.8	11.94
Site2	2/9/2009 10:17	4.02	6.24	7.96	380.1	0.19	404	0.2432	100.7	11.92
Site2	2/9/2009 10:18	5.02	6.24	7.96	380.1	0.19	404	0.2433	100.5	11.91
Site2	2/9/2009 10:18	5.99	6.24	7.96	379.8	0.19	404	0.2431	100.5	11.91
Site2	2/9/2009 10:19	7.06	6.24	7.98	380.1	0.19	404	0.2432	100.3	11.88
Site2	2/9/2009 10:19	8	6.21	7.99	380	0.19	404	0.2432	100.2	11.88
Site2	2/9/2009 10:20	8.97	6.2	8.01	380.1	0.19	404	0.2432	100	11.86
Site2	2/9/2009 10:21	10.03	6.16	8.01	380.2	0.19	404	0.2433	99.8	11.85

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site2	2/9/2009 10:21	11.06	6.18	8.01	380.3	0.19	404	0.2434	99.6	11.82
Site2	4/15/2009 11:35	11.81	12.07	8.23	415.7	0.21	383	0.2661	80.4	8.26
Site2	4/15/2009 11:36	11.03	12.16	8.32	413	0.21	383	0.2643	88.7	9.09
Site2	4/15/2009 11:39	10	12.17	8.38	413	0.21	391	0.2643	91.9	9.42
Site2	4/15/2009 11:39	9.02	12.18	8.38	412.9	0.21	393	0.2642	92.4	9.47
Site2	4/15/2009 11:40	7.98	12.21	8.39	412.6	0.21	395	0.2641	92.7	9.49
Site2	4/15/2009 11:41	7.05	12.21	8.38	412.4	0.21	397	0.264	93	9.53
Site2	4/15/2009 11:42	6.01	12.41	8.39	412.5	0.21	400	0.264	94.3	9.62
Site2	4/15/2009 11:42	4.38	12.57	8.45	413.1	0.21	399	0.2644	96.3	9.79
Site2	4/15/2009 11:43	3.99	12.61	8.42	412.6	0.21	403	0.2641	97.9	9.94
Site2	4/15/2009 11:44	2.68	12.72	8.42	412.8	0.21	407	0.2642	99	10.03
Site2	4/15/2009 11:45	1.98	12.73	8.45	412.8	0.21	407	0.2642	99.2	10.05
Site2	4/15/2009 11:46	0.86	12.75	8.47	412.8	0.21	407	0.2642	99.4	10.06
Site2	4/15/2009 11:47	0.03	12.77	8.45	412.9	0.21	410	0.2643	100.1	10.12
Site2	5/7/2009 13:15	12.01	16.55	7.76	425.8	0.21	396	0.2725	43.7	4.06
Site2	5/7/2009 13:17	11.06	16.81	8	419	0.21	390	0.2681	65.9	6.08
Site2	5/7/2009 13:18	9.95	17.01	8.21	415.5	0.21	388	0.2659	85.3	7.85
Site2	5/7/2009 13:19	8.97	17.02	8.24	415	0.21	388	0.2656	87.1	8.01
Site2	5/7/2009 13:20	7.96	17.03	8.26	415.2	0.21	388	0.2657	88	8.09
Site2	5/7/2009 13:21	7.01	17.07	8.26	415.3	0.21	389	0.2658	88.6	8.14
Site2	5/7/2009 13:22	6.04	17.1	8.25	415.7	0.21	391	0.2661	89.8	8.25
Site2	5/7/2009 13:23	5	17.12	8.25	415.7	0.21	391	0.2661	90.2	8.28
Site2	5/7/2009 13:24	3.99	17.16	8.27	415.6	0.21	390	0.266	90.7	8.32
Site2	5/7/2009 13:25	2.98	17.35	8.31	415.4	0.21	390	0.2659	94.5	8.63
Site2	5/7/2009 13:26	2.02	18.51	8.35	415.2	0.21	389	0.2658	100.7	8.98
Site2	5/7/2009 13:27	1.01	19.21	8.4	416.8	0.21	388	0.2667	107.2	9.42
Site2	5/7/2009 13:28	0.12	19.34	8.39	406.2	0.2	389	0.26	107.5	9.42
Site2	5/20/2009 11:44	-0.04	20.54	8.32	414.6	0.21	406	0.2654	115.7	10.03
Site2	5/20/2009 11:45	0.92	20.51	8.48	414.9	0.21	405	0.2655	115.6	10.03
Site2	5/20/2009 11:47	1.95	20.5	8.46	414.8	0.21	407	0.2655	114.7	9.96
Site2	5/20/2009 11:48	3.01	20.43	8.46	414.8	0.21	409	0.2655	113.4	9.86
Site2	5/20/2009 11:49	4.02	20.33	8.44	415.1	0.21	411	0.2656	111.7	9.73
Site2	5/20/2009 11:50	5.11	20.25	8.4	414.8	0.21	412	0.2655	107.3	9.36
Site2	5/20/2009 11:51	5.05	20.25	8.28	415.3	0.21	417	0.2658	105.9	9.24
Site2	5/20/2009 11:52	5.99	20.15	8.33	415.4	0.21	418	0.2659	100.8	8.81
Site2	5/20/2009 11:53	7.01	20.05	8.3	415.7	0.21	419	0.266	94.9	8.31
Site2	5/20/2009 11:55	7.91	19.08	8.09	418.8	0.21	423	0.2681	74.7	6.67

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site2	5/20/2009 11:56	9.08	18.92	8.09	418.8	0.21	424	0.268	75.1	6.73
Site2	5/20/2009 11:57	9.95	18.77	8.01	420	0.21	425	0.2688	68.1	6.12
Site2	5/20/2009 11:59	11.08	18.49	7.95	420.9	0.21	426	0.2694	62.2	5.62
Site2	5/20/2009 12:00	11.99	18.24	7.81	423	0.21	428	0.2707	48.7	4.42
Site2	5/20/2009 12:02	12.54	18.16	7.81	424.1	0.21	182	0.2714	42.2	3.84
Site2	6/4/2009 12:34	-0.03	23.52	8.38	402.7	0.2	517	0.2575	105	8.37
Site2	6/4/2009 12:35	1.03	23.53	8.4	402.3	0.2	519	0.2575	103.6	8.27
Site2	6/4/2009 12:36	1.97	23.34	8.39	403.1	0.2	519	0.258	99.8	7.99
Site2	6/4/2009 12:37	3.05	23.21	8.34	403.5	0.2	520	0.2582	91.3	7.33
Site2	6/4/2009 12:38	4.12	23.16	8.34	403.9	0.2	521	0.2584	88.9	7.14
Site2	6/4/2009 12:39	4.95	23.15	8.33	404.1	0.2	522	0.2586	86.4	6.95
Site2	6/4/2009 12:42	6	21.41	7.69	417.4	0.21	534	0.2671	23.1	1.92
Site2	6/4/2009 12:46	7.01	21.05	7.66	418.5	0.21	535	0.2679	18.5	1.55
Site2	6/4/2009 12:48	7.94	20.33	7.57	417.7	0.21	539	0.2674	13.2	1.12
Site2	6/4/2009 12:49	9.02	19.28	7.52	418.2	0.21	537	0.2676	8.7	0.76
Site2	6/4/2009 12:51	9.96	18.7	7.49	420.3	0.21	534	0.269	2.8	0.25
Site2	6/4/2009 12:53	11	18.54	7.49	421	0.21	533	0.2694	2.1	0.19
Site2	6/25/2009 11:32	0.15	31.33	8.47	402.9	0.2	433	0.2578	145.9	10.28
Site2	6/25/2009 11:34	2.05	31.15	8.53	402.2	0.2	433	0.2574	147.7	10.43
Site2	6/25/2009 11:35	2.01	29.74	8.36	413.6	0.21	437	0.2647	104	7.53
Site2	6/25/2009 11:36	2.98	28.66	8.38	414.4	0.21	438	0.2652	107.5	7.93
Site2	6/25/2009 11:36	3.25	28.47	8.37	415.1	0.21	439	0.2657	103.1	7.63
Site2	6/25/2009 11:37	3.94	28.08	8.26	417.5	0.21	441	0.2672	83.6	6.23
Site2	6/25/2009 11:38	4	28.13	8.3	417.2	0.21	440	0.267	84	6.26
Site2	6/25/2009 11:39	5.23	27.69	8.13	419.5	0.21	443	0.2685	61.6	4.62
Site2	6/25/2009 11:40	6.03	26.82	7.77	423.5	0.21	443	0.2711	18.7	1.42
Site2	6/25/2009 11:41	6.98	26.12	7.64	424.3	0.21	441	0.2716	3.2	0.24
Site2	6/25/2009 11:42	8.06	22.83	7.53	427.2	0.21	195	0.2734	2.1	0.17
Site2	6/25/2009 11:44	9.04	20.69	7.49	429.9	0.22	112	0.2751	1.8	0.15
Site2	6/25/2009 11:44	11.13	19.82	7.45	431.4	0.22	88	0.2759	1.7	0.15
Site2	6/25/2009 11:45	11.46	19.52	7.47	432.8	0.22	53	0.277	1.7	0.15
Site2	6/25/2009 11:46	12.12	19.22	7.4	437.8	0.22	28	0.2802	1.7	0.15
Site2	6/25/2009 11:46	12.04	19.19	7.4	438.9	0.22	16	0.2809	1.7	0.15
Site2	7/9/2009 10:57	11.09	19.73	7.59	441.1	0.22	68	0.2823	2.7	0.23
Site2	7/9/2009 10:58	10.05	20.69	7.67	439.3	0.22	39	0.2811	2.1	0.18
Site2	7/9/2009 10:59	9.04	22.56	7.77	435.6	0.22	23	0.2788	1.9	0.16
Site2	7/9/2009 11:00	7.69	24.16	7.82	433.8	0.22	6	0.2776	1.7	0.14

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site2	7/9/2009 11:01	7	27.58	8.47	412.4	0.21	88	0.264	72.8	5.46
Site2	7/9/2009 11:02	5.92	27.65	8.53	412.2	0.21	120	0.2638	87.4	6.54
Site2	7/9/2009 11:03	5.06	27.69	8.52	412.2	0.21	153	0.2638	89.1	6.67
Site2	7/9/2009 11:04	4.04	27.77	8.52	411.9	0.21	178	0.2636	91.5	6.84
Site2	7/9/2009 11:05	3.05	27.82	8.5	411.6	0.21	199	0.2634	92.4	6.9
Site2	7/9/2009 11:06	1.99	27.88	8.52	411.5	0.21	212	0.2633	95.9	7.15
Site2	7/9/2009 11:07	1.02	27.98	8.53	411.2	0.21	223	0.2632	98.7	7.35
Site2	7/9/2009 11:08	-0.01	27.96	8.51	411	0.21	233	0.2631	98.2	7.31
Site2	7/9/2009 11:18	6.06	28.11	8.54	410.7	0.2	299	0.2628	92.8	6.89
Site2	7/9/2009 11:18	5.94	28.13	8.56	410.6	0.2	302	0.2628	92.9	6.89
Site2	7/9/2009 11:20	5.11	28.22	8.6	409.8	0.2	309	0.2623	99.2	7.35
Site2	7/9/2009 11:20	3.99	28.31	8.6	409.7	0.2	312	0.2622	101.3	7.49
Site2	7/9/2009 11:21	2.93	28.39	8.59	409.8	0.2	318	0.2623	101.8	7.52
Site2	7/9/2009 11:22	1.82	28.49	8.61	409.9	0.2	324	0.2623	104.7	7.72
Site2	7/9/2009 11:23	1.04	28.54	8.61	409.5	0.2	328	0.2621	105.7	7.79
Site2	7/9/2009 11:24	0.05	28.55	8.58	409.7	0.2	334	0.2622	105.7	7.79
Site2	7/23/2009 11:01	0.14	28.4	8.51	394.6	0.2	342	0.2526	116.1	8.58
Site2	7/23/2009 11:02	1.09	28.02	8.44	396	0.2	341	0.2535	102	7.58
Site2	7/23/2009 11:03	2.06	27.99	8.43	396.5	0.2	340	0.2538	97.9	7.28
Site2	7/23/2009 11:05	2.98	27.9	8.37	398.1	0.2	340	0.2548	89.3	6.65
Site2	7/23/2009 11:05	4.03	27.82	8.39	397.3	0.2	340	0.2543	92.4	6.89
Site2	7/23/2009 11:06	5	27.8	8.39	397.1	0.2	341	0.2542	92.8	6.93
Site2	7/23/2009 11:08	6.01	27.65	8.37	397.6	0.2	341	0.2545	89.2	6.68
Site2	7/23/2009 11:09	7.03	27.38	8.21	402.3	0.2	342	0.2575	67.7	5.09
Site2	7/23/2009 11:15	8.05	26.87	7.86	410.3	0.2	333	0.2626	27.9	2.11
Site2	7/23/2009 11:16	9.01	24.43	7.56	430.2	0.22	87	0.2753	2	0.16
Site2	7/23/2009 11:17	9.99	21.35	7.38	439	0.22	45	0.281	1.8	0.15
Site2	7/23/2009 11:18	11.01	20.26	7.29	441	0.22	9	0.2823	1.7	0.15
Site2	7/23/2009 11:18	11.25	20.06	7.27	443.7	0.22	1	0.284	1.6	0.14
Site2	8/6/2009 11:33	11.48	20.86	7.36	445.5	0.22	21	0.2851	2.9	0.25
Site2	8/6/2009 11:35	10.76	22.13	7.5	439.8	0.22	-7	0.2815	2	0.17
Site2	8/6/2009 11:36	10.08	24.99	7.74	413.3	0.21	-2	0.2645	1.9	0.16
Site2	8/6/2009 11:37	8.78	25.85	7.79	405.9	0.2	12	0.2598	1.8	0.14
Site2	8/6/2009 11:38	8.13	26.33	7.8	400.1	0.2	26	0.2561	1.7	0.13
Site2	8/6/2009 11:40	6.98	27.17	8.09	394	0.2	84	0.2521	32.8	2.58
Site2	8/6/2009 11:42	5.92	27.74	8.42	387.4	0.19	129	0.2479	75.5	5.87
Site2	8/6/2009 11:44	5.05	27.93	8.55	383.4	0.19	157	0.2454	95.3	7.39
Site2	8/6/2009 11:45	3.93	27.94	8.53	383.5	0.19	173	0.2454	96.2	7.46

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site2	8/6/2009 11:46	3	27.96	8.52	383.4	0.19	184	0.2454	96.3	7.46
Site2	8/6/2009 11:47	2.03	27.96	8.52	383.4	0.19	192	0.2454	96.2	7.45
Site2	8/6/2009 11:48	1	27.96	8.52	383.3	0.19	199	0.2453	97.6	7.57
Site2	8/6/2009 11:50	0.12	27.96	8.52	383.4	0.19	210	0.2454	97.1	7.53
Site2	8/24/2009 12:14	0.12	27.24	8.7	223.8	0.1	295	0.1432	111.1	8.41
Site2	8/24/2009 12:15	1.14	27.34	8.69	381.5	0.19	304	0.244	106.8	8.07
Site2	8/24/2009 12:17	2.07	27.19	8.65	382.2	0.19	311	0.2446	102.2	7.74
Site2	8/24/2009 12:17	3	27.17	8.63	382.6	0.19	316	0.2449	96.3	7.29
Site2	8/24/2009 12:18	3.94	27.04	8.58	383.5	0.19	320	0.2455	87	6.61
Site2	8/24/2009 12:19	5.08	27	8.57	383.5	0.19	323	0.2455	84.9	6.45
Site2	8/24/2009 12:21	5.98	26.99	8.57	383.8	0.19	326	0.2456	84.9	6.45
Site2	8/24/2009 12:21	6.99	26.99	8.57	383.9	0.19	327	0.2457	83.8	6.37
Site2	8/24/2009 12:21	8.02	26.98	8.55	384	0.19	328	0.2458	80.9	6.15
Site2	8/24/2009 12:22	8.1	26.98	8.56	384	0.19	328	0.2458	81.1	6.16
Site2	8/24/2009 12:22	9.09	26.99	8.56	384	0.19	329	0.2458	79.3	6.03
Site2	8/24/2009 12:24	10.07	25.53	7.82	412.1	0.21	28	0.2638	2.4	0.18
Site2	8/24/2009 12:24	11.16	23.44	7.55	439.8	0.22	6	0.2821	1.9	0.15
Site2	8/24/2009 12:25	11.16	23.37	7.47	472.7	0.24	-14	0.3025	1.6	0.13
Site2	9/3/2009 11:26	0.1	25.21	8.14	387.2	0.19	307	0.2478	76	6
Site2	9/3/2009 11:27	1.05	25.2	8.12	387.3	0.19	306	0.2479	74.5	5.89
Site2	9/3/2009 11:28	2	25.19	8.11	387.4	0.19	304	0.2479	73.6	5.82
Site2	9/3/2009 11:29	3.01	25.19	8.1	387.4	0.19	303	0.2479	73.3	5.79
Site2	9/3/2009 11:30	4.04	25.19	8.1	387.4	0.19	303	0.2479	72.9	5.76
Site2	9/3/2009 11:31	4.98	25.2	8.09	387.4	0.19	303	0.248	73.2	5.78
Site2	9/3/2009 11:32	6	25.2	8.08	387.4	0.19	303	0.248	72.9	5.76
Site2	9/3/2009 11:33	7	25.19	8.08	387.6	0.19	303	0.248	71.9	5.68
Site2	9/3/2009 11:33	8.03	25.2	8.07	387.7	0.19	304	0.2481	71.5	5.65
Site2	9/3/2009 11:34	9	25.19	8.06	387.5	0.19	304	0.248	71.4	5.64
Site2	9/3/2009 11:35	10.03	25.19	8.05	387.4	0.19	304	0.2479	71	5.61
Site2	9/3/2009 11:36	11.01	25.18	8.06	387.6	0.19	304	0.2481	70.4	5.56
Site2	9/3/2009 11:37	12.04	21.46	7.08	478.9	0.24	54	0.3065	2.3	0.2
Site2	9/3/2009 11:38	12.32	21.33	7.05	480.7	0.24	39	0.3076	2.2	0.19
Site2	9/17/2009 11:25	11.29	23.12	7.81	409	0.2	195	0.2618	5.9	0.48
Site2	9/17/2009 11:25	11.03	23.2	7.91	404.8	0.2	194	0.2591	16.2	1.31
Site2	9/17/2009 11:26	9.95	23.4	8.03	391.3	0.19	199	0.2504	48.3	3.89
Site2	9/17/2009 11:28	9.05	23.43	8.12	391	0.19	200	0.2502	51.5	4.15
Site2	9/17/2009 11:29	7.9	23.45	8.06	390.5	0.19	211	0.2499	56.3	4.53

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site2	9/17/2009 11:30	6.94	23.46	8.17	390.3	0.19	207	0.2498	58.1	4.67
Site2	9/17/2009 11:31	5.81	23.46	8.11	390.1	0.19	214	0.2497	58.7	4.72
Site2	9/17/2009 11:32	4.86	23.46	8.11	390.1	0.19	216	0.2497	58.9	4.74
Site2	9/17/2009 11:33	3.96	23.46	8.07	390.3	0.19	220	0.2498	59	4.75
Site2	9/17/2009 11:33	2.97	23.46	8.1	390.1	0.19	220	0.2497	58.7	4.72
Site2	9/17/2009 11:34	2.02	23.46	8.17	390.3	0.19	217	0.2498	58.6	4.72
Site2	9/17/2009 11:35	0.99	23.46	8.1	390.3	0.19	223	0.2498	59.8	4.81
Site2	9/17/2009 11:36	0.07	23.46	8.12	390.4	0.19	223	0.2498	60.2	4.85
Site2	9/30/2009 10:36	11.18	21.72	7.61	390.9	0.19	343	0.2502	56.3	4.76
Site2	9/30/2009 10:37	11.06	21.72	7.61	391.2	0.19	343	0.2504	56.6	4.79
Site2	9/30/2009 10:42	9.9	21.78	7.67	390.1	0.19	343	0.2497	64.4	5.44
Site2	9/30/2009 10:43	8.88	21.8	7.68	389.3	0.19	343	0.2492	66.5	5.62
Site2	9/30/2009 10:44	8.06	21.82	7.7	389.4	0.19	344	0.2492	70.1	5.92
Site2	9/30/2009 10:45	5.96	21.86	7.72	389.2	0.19	344	0.2491	73.4	6.2
Site2	9/30/2009 10:46	4.99	21.87	7.72	389.2	0.19	344	0.2491	73.5	6.2
Site2	9/30/2009 10:47	6.95	21.87	7.73	389.4	0.19	344	0.2492	73.1	6.17
Site2	9/30/2009 10:48	5.03	21.87	7.73	389.3	0.19	344	0.2492	73	6.16
Site2	9/30/2009 10:49	4.01	21.87	7.72	389.3	0.19	345	0.2492	73.6	6.21
Site2	9/30/2009 10:50	3.03	21.87	7.73	389.5	0.19	345	0.2493	74.1	6.25
Site2	9/30/2009 10:51	1.98	21.88	7.74	389.4	0.19	345	0.2492	74.5	6.29
Site2	9/30/2009 10:52	0.96	21.88	7.74	389.3	0.19	345	0.2491	75	6.33
Site2	9/30/2009 10:52	0.1	21.86	7.74	389.3	0.19	345	0.2492	75.8	6.4
Site2	10/19/2009 12:31	11.47	16.3	7.51	378.9	0.19	84	0.2425	4.2	0.39
Site2	10/19/2009 12:32	10.94	16.2	7.89	379.1	0.19	234	0.2426	80.7	7.59
Site2	10/19/2009 12:32	9.88	16.2	7.9	379.1	0.19	252	0.2426	82.4	7.76
Site2	10/19/2009 12:33	9.04	16.21	7.9	379.1	0.19	265	0.2426	83.1	7.82
Site2	10/19/2009 12:34	8.03	16.2	7.9	379.1	0.19	280	0.2426	83.4	7.85
Site2	10/19/2009 12:34	7.02	16.21	7.91	379.1	0.19	287	0.2426	83.7	7.87
Site2	10/19/2009 12:35	5.64	16.21	7.91	379.1	0.19	294	0.2426	83.8	7.88
Site2	10/19/2009 12:35	5.03	16.21	7.91	379.1	0.19	300	0.2426	83.9	7.89
Site2	10/19/2009 12:36	4.06	16.22	7.9	379.1	0.19	305	0.2426	83.9	7.89
Site2	10/19/2009 12:36	2.98	16.27	7.92	379.1	0.19	308	0.2426	84.4	7.93
Site2	10/19/2009 12:36	3.01	16.27	7.91	379	0.19	309	0.2426	84.6	7.95
Site2	10/19/2009 12:36	1.93	16.24	7.91	379	0.19	312	0.2425	84.8	7.98
Site2	10/19/2009 12:37	0.97	16.24	7.92	379	0.19	316	0.2425	84.8	7.97
Site2	10/19/2009 12:37	0.11	16.26	7.91	379.1	0.19	315	0.2426	85	7.99

Table D-5 Site 3 Station Data

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site3	4/22/2008 12:51	0.3	17.48	8.34	381.1	0.19	327	0.2439	102.3	9.3
Site3	4/22/2008 12:51	0.9	17.49	8.34	381.1	0.19	327	0.2439	102.2	9.29
Site3	4/22/2008 12:52	1.9	17.39	8.34	381	0.19	327	0.2439	101.6	9.26
Site3	4/22/2008 12:53	3	17.07	8.33	381.2	0.19	327	0.244	100.1	9.18
Site3	4/22/2008 12:53	3.9	16.79	8.32	381.4	0.19	327	0.2441	99.1	9.14
Site3	4/22/2008 12:54	5	16.58	8.32	382.6	0.19	328	0.2449	98.6	9.14
Site3	4/22/2008 12:56	6	16.1	8.31	383	0.19	328	0.2451	97.5	9.13
Site3	4/22/2008 12:57	7.1	15.65	8.26	383.3	0.19	330	0.2453	88.5	8.37
Site3	4/22/2008 13:00	7.7	15.64	8.13	383.4	0.19	140	0.2454	32.3	3.05
Site3	5/16/2008 13:46	0.2	19.57	8.36	386.4	0.19	395	0.2473	108.1	9.43
Site3	5/16/2008 13:46	1	19.57	8.38	386.6	0.19	391	0.2474	107.7	9.4
Site3	5/16/2008 13:48	2	19.36	8.36	386.7	0.19	387	0.2475	106.1	9.3
Site3	5/16/2008 13:50	3	19.05	8.33	387.4	0.19	382	0.2479	101.4	8.94
Site3	5/16/2008 13:50	4	18.74	8.3	388.3	0.19	382	0.2485	96.5	8.57
Site3	5/16/2008 13:51	5	18.65	8.27	389	0.19	381	0.249	93.4	8.3
Site3	5/16/2008 13:52	6	18.62	8.21	390.4	0.19	381	0.2498	87.4	7.78
Site3	5/16/2008 13:52	7	18.45	8.22	389.6	0.19	380	0.2493	88.3	7.89
Site3	5/16/2008 13:53	7.4	18.39	8.21	389.2	0.19	379	0.2491	89	7.95
Site3	5/21/2008 14:43	0.1	21.78	8.46	388.9	0.19	437	0.2489		
Site3	5/21/2008 14:44	1	21.78	8.51	388.9	0.19	440	0.2489		
Site3	5/21/2008 14:45	2	21.7	8.53	389.1	0.19	437	0.249		
Site3	5/21/2008 14:45	3	21.28	8.48	390	0.19	437	0.2496		
Site3	5/21/2008 14:46	4	20.44	8.36	392	0.19	438	0.2509		
Site3	5/21/2008 14:47	5	19.78	8.21	392.8	0.2	439	0.2514		
Site3	5/21/2008 14:48	6.1	18.93	8.11	393.6	0.2	440	0.2519		
Site3	5/21/2008 14:49	7	18.89	8.06	393.5	0.2	439	0.2518		
Site3	6/4/2008 15:41	0.2	26.56	8.42	357	0.2	421	0.229	94.1	7.29
Site3	6/4/2008 15:42	1.1	26.55	8.42	357	0.2	427	0.229	92.8	7.19
Site3	6/4/2008 15:44	2.2	26.53	8.41	358	0.2	434	0.229	92	7.12
Site3	6/4/2008 15:45	3.3	26.56	8.41	357	0.2	437	0.229	92	7.12
Site3	6/4/2008 15:46	4.1	26.53	8.41	357	0.2	441	0.229	92	7.13
Site3	6/4/2008 15:48	5.3	26.48	8.4	358	0.2	444	0.229	90.6	7.03
Site3	6/4/2008 15:49	6.1	26.45	8.39	358	0.2	446	0.229	90.4	7.01
Site3	6/18/2008 11:01	0.15	26.7	8.35	393.5	0.2	240	0.2518	100.5	7.72

Site3	6/18/2008 11:03	1.01	26.45	8.33	394	0.2	239	0.2522	94.8	7.32
Site3	6/18/2008 11:04	2	26.31	8.28	395	0.2	241	0.2528	86.9	6.73
Site3	6/18/2008 11:06	3	25.82	8.16	400.1	0.2	243	0.2561	72.3	5.65
Site3	6/18/2008 11:07	4.02	25.65	8.08	400.3	0.2	244	0.2562	64.7	5.07
Site3	6/18/2008 11:09	5.03	25.38	7.87	395.8	0.2	246	0.2533	47.7	3.76
Site3	6/18/2008 11:10	5.98	24.96	7.76	401.6	0.2	246	0.257	36.7	2.91
Site3	6/18/2008 11:12	7.25	24.59	7.47	375.7	0.19	30	0.2392	19.7	1.57
Site3	6/18/2008 11:14	7.31	24.51	7.44	371.1	0.18	47	0.2375	1.4	0.11
Site3	7/9/2008 11:48	0.11	29.97	8.64	378.6	0.19	234	0.2423	125.7	9.09
Site3	7/9/2008 11:49	0.99	29.33	8.57	378	0.19	235	0.2419	124	9.07
Site3	7/9/2008 11:51	1.98	29.21	8.54	378.9	0.19	232	0.2425	111.6	8.17
Site3	7/9/2008 11:52	2.99	29.13	8.42	381.1	0.19	234	0.2439	97.5	7.15
Site3	7/9/2008 11:52	3.99	29.14	8.34	381.4	0.19	238	0.2441	95.9	7.03
Site3	7/9/2008 11:53	5.02	29.09	8.26	382.1	0.19	241	0.2446	89.2	6.55
Site3	7/9/2008 11:54	6.02	27.52	7.79	392.8	0.2	246	0.2514	11.3	0.86
Site3	7/9/2008 11:55	6.48	26.87	7.69	397.7	0.2	183	0.2545	2.4	0.18
Site3	7/21/2008 9:59	0.12	29.89	8.3	366	0.18	354	0.2343	110.5	8.01
Site3	7/21/2008 10:00	1.07	29.9	8.29	366.1	0.18	346	0.2343	110.1	7.97
Site3	7/21/2008 10:02	1.98	29.88	8.33	366	0.18	335	0.2343	109.9	7.96
Site3	7/21/2008 10:03	3.05	29.87	8.29	366.2	0.18	330	0.2344	108.3	7.85
Site3	7/21/2008 10:04	4.03	29.86	8.24	366.1	0.18	328	0.2343	107.4	7.78
Site3	7/21/2008 10:06	5.01	29.83	8.18	366.5	0.18	326	0.2346	103.8	7.53
Site3	7/21/2008 10:08	6.05	28.68	7.59	376.1	0.19	333	0.2407	19.8	1.46
Site3	8/4/2008 9:32	0.08	31.25	8.26	398.7	0.2	274	0.2551	118.8	8.39
Site3	8/4/2008 9:33	1.1	31.23	8.34	398.6	0.2	264	0.2551	118.6	8.38
Site3	8/4/2008 9:35	2	31.17	8.35	398.7	0.2	260	0.2551	118.5	8.39
Site3	8/4/2008 9:37	3.02	31.02	8.32	398.9	0.2	259	0.2553	116.7	8.27
Site3	8/4/2008 9:38	4.02	31.01	8.27	399.1	0.2	261	0.2555	115.5	8.19
Site3	8/4/2008 9:40	4.98	29.86	7.57	416.4	0.21	262	0.2665	12.6	0.91
Site3	8/4/2008 9:41	6.01	28.15	7.45	428	0.21	-81	0.2739	2.4	0.18
Site3	8/4/2008 9:43	5.5	27.9	7.46	428.3	0.21	-107	0.2741	1.7	0.13
Site3	8/18/2008 9:05	0.1	27.19	8.4	357.5	0.18	397	0.2288	90.7	6.9
Site3	8/18/2008 9:06	1	27.3	8.37	357.1	0.18	394	0.2286	90.3	6.86
Site3	8/18/2008 9:08	2.05	27.14	8.35	358.2	0.18	390	0.2294	90.5	6.9
Site3	8/18/2008 9:10	2.97	27.25	8.34	357.7	0.18	389	0.2289	88.9	6.76
Site3	8/18/2008 9:11	4.02	27.32	8.33	357.3	0.18	388	0.2287	88.9	6.75
Site3	8/18/2008 9:11	5.04	27.32	8.33	357.2	0.18	388	0.2286	88.4	6.71

Site3	8/18/2008 9:13	6.5	27.19	8.02	356	0.18	390	0.2278	68.4	5.2
Site3	8/18/2008 9:16	6.51	27.1	7.83	354.8	0.17	391	0.2271	20.4	1.55
Site3	9/2/2008 10:33	0.1	29.02	8.59	351.7	0.17	311	0.2251	125.3	9.19
Site3	9/2/2008 10:35	1	29.04	8.61	351.3	0.17	330	0.2249	125.8	9.23
Site3	9/2/2008 10:35	2	29.01	8.62	351.5	0.17	335	0.225	123.1	9.03
Site3	9/2/2008 10:37	3	28.84	8.6	351.7	0.17	343	0.2251	115.1	8.47
Site3	9/2/2008 10:39	4	26.9	7.61	368.1	0.18	373	0.2356	6.3	0.48
Site3	9/2/2008 10:40	3.5	27.5	7.83	364.4	0.18	367	0.2332	27.9	2.1
Site3	9/2/2008 10:42	5	26.22	7.53	366.7	0.18	262	0.2347	2.2	0.17
Site3	9/2/2008 10:43	6	26.03	7.52	365.9	0.18	158	0.2342	1.7	0.13
Site3	9/2/2008 10:44	6.8	25.8	7.49	365.5	0.18	79	0.2339	1.6	0.12
Site3	9/22/2008 10:58	1	24.27	8.79	335.2	0.16	384	0.2146	146.2	10.15
Site3	9/22/2008 10:58	0.1	24.27	8.8	335.2	0.16	386	0.2146	146.2	10.16
Site3	9/22/2008 11:00	2	24.27	8.8	335.2	0.16	390	0.2146	145.9	10.14
Site3	9/22/2008 11:01	3	24.23	8.78	335.3	0.16	395	0.2146	144.7	10.06
Site3	9/22/2008 11:03	4	24.14	8.76	335.5	0.16	398	0.2147	140.9	9.81
Site3	9/22/2008 11:04	5	23.99	8.7	336.2	0.16	401	0.2151	134.1	9.37
Site3	9/22/2008 11:05	6.2	23.86	8.68	336.6	0.17	403	0.2154	125.8	8.81
Site3	10/16/2008 10:05	0.14	19.42	8.49	375.1	0.19	433	0.2401	94.9	8.38
Site3	10/16/2008 10:07	1.02	19.42	8.53	374.8	0.19	429	0.2399	95.6	8.45
Site3	10/16/2008 10:08	2.05	19.44	8.52	375	0.19	427	0.24	94.5	8.35
Site3	10/16/2008 10:09	3.04	19.46	8.52	374.9	0.19	425	0.2399	94.9	8.38
Site3	10/16/2008 10:10	4.06	19.45	8.5	374.9	0.19	424	0.2399	93.8	8.28
Site3	10/16/2008 10:12	5.01	19.45	8.5	375.3	0.19	423	0.2402	93	8.21
Site3	10/16/2008 10:14	6.02	19.43	8.5	375.6	0.19	421	0.2404	91.3	8.07
Site3	10/16/2008 10:15	6.38	19.43	8.48	375.8	0.19	417	0.2405	88.5	7.81
Site3	12/8/2008 11:13	0.5	7.81	7.8	371.9		470		89.2	10.33
Site3	12/8/2008 11:14	1	7.79	7.91	372		468		88.5	10.26
Site3	12/8/2008 11:15	2	7.79	7.97	371.9		465		88.3	10.24
Site3	12/8/2008 11:16	3	7.73	8	372.3		463		88.3	10.25
Site3	12/8/2008 11:16	4	7.76	8.02	372.1		461		88.3	10.24
Site3	12/8/2008 11:17	5	7.74	8.04	373.1		460		88.1	10.23
Site3	12/8/2008 11:17	6	7.72	8.04	372.3		460		88.2	10.24
Site3	12/8/2008 11:18	7	7.73	8.04	372.1		459		88	10.22
Site3	2/9/2009 13:54	5.65	7.45	8.3	381.3	0.19	394	0.244	101.9	11.71
Site3	2/9/2009 13:54	5.15	7.56	8.31	382.1	0.19	391	0.2437	101.9	11.69

Site3	2/9/2009 13:55	4.03	8.17	8.31	384.1	0.19	389	0.2458	102.9	11.62
Site3	2/9/2009 13:55	3.07	8.31	8.31	384.3	0.19	388	0.2459	102.8	11.57
Site3	2/9/2009 13:56	2.12	8.26	8.31	383.9	0.19	386	0.2457	103	11.61
Site3	2/9/2009 13:56	0.99	8.3	8.34	384.2	0.19	383	0.2459	103.1	11.61
Site3	2/9/2009 13:57	0.07	8.31	8.32	384.4	0.19	382	0.246	103.2	11.62
Site3	4/15/2009 11:57	0.08	13.52	8.4	411.6	0.21	391	0.2634	102.2	10.16
Site3	4/15/2009 11:58	0.99	13.53	8.42	411.7	0.21	393	0.2635	101.9	10.14
Site3	4/15/2009 11:59	2.04	13.47	8.43	411.7	0.21	394	0.2635	101.6	10.12
Site3	4/15/2009 12:00	3	13.43	8.43	411.7	0.21	397	0.2635	101	10.07
Site3	4/15/2009 12:01	3.97	13.17	8.44	411.9	0.21	399	0.2636	99.3	9.96
Site3	4/15/2009 12:01	5.05	12.84	8.4	412.1	0.21	402	0.2637	94.7	9.56
Site3	4/15/2009 12:02	6.04	12.53	8.37	412.3	0.21	404	0.2639	90	9.15
Site3	4/15/2009 12:03	5.93	12.54	8.35	412.2	0.21	405	0.2638	89.4	9.09
Site3	5/7/2009 13:41	0.04	19.44	8.38	412.6	0.21	390	0.2641	118.5	10.37
Site3	5/7/2009 13:43	1.01	19.27	8.4	412.5	0.21	390	0.264	118.5	10.4
Site3	5/7/2009 13:44	2.04	19.03	8.42	412.3	0.21	390	0.2639	117.2	10.34
Site3	5/7/2009 13:45	3	17.58	8.28	411.7	0.21	393	0.2635	96.7	8.79
Site3	5/7/2009 13:46	4.02	17.09	8.22	412.3	0.21	393	0.2639	87.9	8.07
Site3	5/7/2009 13:47	4.99	17.03	8.22	412.7	0.21	394	0.2641	87.5	8.04
Site3	5/7/2009 13:49	6	16.88	8.18	412.7	0.21	394	0.2641	83.9	7.74
Site3	5/7/2009 13:50	7.04	16.71	8.01	415.7	0.21	396	0.2661	65.9	6.1
Site3	5/7/2009 13:51	7.09	16.7	7.99	415.7	0.21	396	0.2661	65.3	6.04
Site3	5/20/2009 12:20	0.15	21.03	8.44	413.9	0.21	366	0.2649	114	9.79
Site3	5/20/2009 12:21	0.96	21.04	8.49	414	0.21	363	0.2649	114	9.79
Site3	5/20/2009 12:22	2.02	20.98	8.46	414	0.21	364	0.2649	113.4	9.75
Site3	5/20/2009 12:23	3.09	20.91	8.48	414	0.21	365	0.265	112.5	9.68
Site3	5/20/2009 12:24	3.98	20.89	8.45	414.2	0.21	367	0.2651	111.6	9.62
Site3	5/20/2009 12:25	5.01	20.86	8.46	414.3	0.21	369	0.2651	110.9	9.55
Site3	5/20/2009 12:26	5.96	20.83	8.45	414.4	0.21	371	0.2652	109.2	9.42
Site3	5/20/2009 12:30	6.45	20.77	8.45	414.3	0.21	375	0.2651	107.1	9.25
Site3	5/20/2009 12:38	6.62	20.56	8.33	413.7	0.21	366	0.2648	92.3	8
Site3	6/4/2009 13:11	0.36	22.74	8.2	410	0.2	506	0.2624	80.9	6.55
Site3	6/4/2009 13:12	1	22.7	8.22	409.9	0.2	507	0.2623	79.9	6.48
Site3	6/4/2009 13:13	2.16	22.57	8.21	410	0.2	510	0.2624	76.9	6.25
Site3	6/4/2009 13:14	3.1	22.51	8.2	409.7	0.2	511	0.2622	73.8	6
Site3	6/4/2009 13:15	4.52	22.35	8.14	410.2	0.2	513	0.2625	64.9	5.29
Site3	6/4/2009 13:17	5.03	21.52	7.92	414.7	0.21	518	0.2654	44.1	3.65

Site3	6/4/2009 13:18	6.04	19.58	7.6	419.3	0.21	525	0.2683	7.4	0.64
Site3	6/4/2009 13:19	6.52	19.46	7.56	419.9	0.21	518	0.2687	5.3	0.45
Site3	6/25/2009 12:04	0.11	32.22	8.51	401.4	0.2	343	0.2568	145.7	10.11
Site3	6/25/2009 12:05	1	32.13	8.51	401.1	0.2	351	0.2567	146.5	10.18
Site3	6/25/2009 12:06	2.01	30.6	8.25	408.3	0.2	357	0.2613	85.1	6.07
Site3	6/25/2009 12:08	2.96	28.25	8.17	418.3	0.21	361	0.2677	65	4.83
Site3	6/25/2009 12:09	4.08	27.7	8.07	420.5	0.21	363	0.2691	52.5	3.94
Site3	6/25/2009 12:11	4.96	27.11	7.82	422.9	0.21	360	0.2706	18.2	1.38
Site3	6/25/2009 12:12	5.99	26.61	7.66	425.3	0.21	302	0.2722	1.9	0.15
Site3	6/25/2009 12:13	6.4	26.28	7.63	427.2	0.21	210	0.2734	1.8	0.13
Site3	7/9/2009 11:18	6.06	28.11	8.54	410.7	0.2	299	0.2628	92.8	6.89
Site3	7/9/2009 11:18	5.94	28.13	8.56	410.6	0.2	302	0.2628	92.9	6.89
Site3	7/9/2009 11:20	5.11	28.22	8.6	409.8	0.2	309	0.2623	99.2	7.35
Site3	7/9/2009 11:20	3.99	28.31	8.6	409.7	0.2	312	0.2622	101.3	7.49
Site3	7/9/2009 11:21	2.93	28.39	8.59	409.8	0.2	318	0.2623	101.8	7.52
Site3	7/9/2009 11:22	1.82	28.49	8.61	409.9	0.2	324	0.2623	104.7	7.72
Site3	7/9/2009 11:23	1.04	28.54	8.61	409.5	0.2	328	0.2621	105.7	7.79
Site3	7/9/2009 11:24	0.05	28.55	8.58	409.7	0.2	334	0.2622	105.7	7.79
Site3	7/23/2009 11:25	0.15	28.58	8.53	393.4	0.2	223	0.2518	116.1	8.55
Site3	7/23/2009 11:26	1.03	28.18	8.54	393.2	0.2	229	0.2516	113.4	8.41
Site3	7/23/2009 11:28	2.04	27.73	8.42	395.6	0.2	241	0.2532	93.4	6.98
Site3	7/23/2009 11:29	3.01	27.69	8.38	396.4	0.2	247	0.2537	86.5	6.47
Site3	7/23/2009 11:31	4.02	27.42	8.3	396.4	0.2	254	0.2537	76.5	5.75
Site3	7/23/2009 11:32	4.99	27.37	8.22	399.1	0.2	260	0.2554	66.3	4.99
Site3	7/23/2009 11:34	5.97	26.79	7.73	414.9	0.21	250	0.2655	4.5	0.34
Site3	8/6/2009 12:00	6.14	28.34	8.54	381.7	0.19	252	0.2443	91.3	7.03
Site3	8/6/2009 12:01	6.01	28.37	8.54	381.6	0.19	254	0.2443	91.7	7.05
Site3	8/6/2009 12:02	4.97	28.37	8.55	381.5	0.19	256	0.2442	91.7	7.06
Site3	8/6/2009 12:03	3.99	28.39	8.54	381.6	0.19	258	0.2442	91.6	7.04
Site3	8/6/2009 12:04	3.03	28.39	8.53	381.3	0.19	261	0.244	92.3	7.1
Site3	8/6/2009 12:05	2	28.38	8.52	381.4	0.19	264	0.2441	92	7.08
Site3	8/6/2009 12:06	0.97	28.38	8.51	381.5	0.19	266	0.2442	92.3	7.1
Site3	8/24/2009 12:36	0.13	27.56	8.69	379.1	0.19	255	0.2426	112.7	8.48
Site3	8/24/2009 12:37	1.04	27.54	8.71	378.9	0.19	262	0.2425	111.1	8.36
Site3	8/24/2009 12:38	2.03	27.41	8.69	379.3	0.19	271	0.2427	104.1	7.86
Site3	8/24/2009 12:39	3.06	27.32	8.68	379.7	0.19	275	0.243	102.2	7.72

Site3	8/24/2009 12:39	4.03	27.32	8.68	379.7	0.19	279	0.243	101.8	7.69
Site3	8/24/2009 12:40	5.04	27.3	8.66	379.6	0.19	283	0.2429	100.6	7.61
Site3	8/24/2009 12:41	6.06	27.17	8.65	379.9	0.19	285	0.2432	95.2	7.21
Site3	8/24/2009 12:42	6.44	27.14	8.58	380.5	0.19	222	0.2435	83	6.29
Site3	9/3/2009 11:52	0.11	25.06	8.16	385.6	0.19	240	0.2468	89.5	7.09
Site3	9/3/2009 11:54	1.06	25	8.14	386	0.19	243	0.247	87.4	6.93
Site3	9/3/2009 11:55	1.97	24.97	8.14	386	0.19	245	0.247	85.5	6.78
Site3	9/3/2009 11:56	3.04	24.94	8.14	386.2	0.19	247	0.2472	84.8	6.73
Site3	9/3/2009 11:57	3.94	24.93	8.14	385.9	0.19	250	0.247	85.4	6.78
Site3	9/3/2009 11:58	4.99	24.91	8.16	385.6	0.19	252	0.2468	87	6.91
Site3	9/3/2009 11:59	6	24.89	8.15	385.8	0.19	255	0.2469	84.9	6.74
Site3	9/3/2009 12:00	6.13	24.87	8.13	386	0.19	257	0.247	80.2	6.37
Site3	9/17/2009 11:46	0.08	22.88	8.19	387.6	0.19	255	0.2481	77.9	6.33
Site3	9/17/2009 11:47	1.01	22.88	8.17	387.9	0.19	257	0.2483	77.4	6.3
Site3	9/17/2009 11:48	1.98	22.88	8.16	388	0.19	259	0.2483	77.3	6.29
Site3	9/17/2009 11:49	2.99	22.9	8.19	387.9	0.19	258	0.2483	76.7	6.24
Site3	9/17/2009 11:50	4.01	22.88	8.17	388	0.19	260	0.2483	76.2	6.2
Site3	9/17/2009 11:51	5.01	22.87	8.12	387.8	0.19	264	0.2482	75.3	6.13
Site3	9/17/2009 11:52	6.01	22.86	8.19	388	0.19	260	0.2483	72	5.86
Site3	9/17/2009 11:52	6.09	22.86	8.15	388.2	0.19	262	0.2485	72.8	5.92
Site3	9/30/2009 11:13	6.02	21.74	7.91	388.3	0.19	353	0.2485	83.4	7.06
Site3	9/30/2009 11:14	4.98	21.8	7.95	387.9	0.19	353	0.2483	89.4	7.56
Site3	9/30/2009 11:15	3.96	21.81	7.95	387.5	0.19	353	0.248	89.5	7.56
Site3	9/30/2009 11:16	3.02	21.81	7.95	388.2	0.19	354	0.2484	89.9	7.6
Site3	9/30/2009 11:16	1.97	21.82	7.95	388.1	0.19	354	0.2484	90.1	7.61
Site3	9/30/2009 11:17	1	21.84	7.96	387.9	0.19	354	0.2482	90.6	7.65
Site3	9/30/2009 11:18	0.06	21.84	7.96	353	0.17	354	0.2259	92.2	7.78
Site3	10/19/2009 12:51	6.63	15.68	8.1	378.7	0.19	348	0.2423	97.4	9.26
Site3	10/19/2009 12:52	6.38	15.71	8.12	378.4	0.19	353	0.2422	97.8	9.3
Site3	10/19/2009 12:53	5.03	15.74	8.12	378.7	0.19	355	0.2424	97.8	9.29
Site3	10/19/2009 12:54	3.96	15.76	8.12	378.6	0.19	358	0.2423	98.4	9.35
Site3	10/19/2009 12:54	3.03	15.75	8.12	378.5	0.19	359	0.2423	98.5	9.35
Site3	10/19/2009 12:55	1.64	15.77	8.14	378.6	0.19	360	0.2423	98.2	9.33
Site3	10/19/2009 12:55	1.01	15.78	8.13	378.4	0.19	361	0.2422	98.6	9.36
Site3	10/19/2009 12:55	0.22	15.79	8.13	378.6	0.19	361	0.2423	98.8	9.38

Table D-6 Site 4 Station Data

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site4	4/22/2008 12:06	0.3	16.57	8.32	388.4	0.19	349	0.2486	100.9	9.34
Site4	4/22/2008 12:07	0.9	16.5	8.32	388.3	0.19	348	0.2485	100.3	9.31
Site4	4/22/2008 12:08	2	16.37	8.31	388.8	0.19	348	0.2489	99	9.21
Site4	4/22/2008 12:09	2.9	15.99	8.31	389.2	0.19	348	0.2491	97.6	9.16
Site4	4/22/2008 12:10	3.9	15.33	8.28	389.6	0.19	348	0.2493	95.7	9.11
Site4	4/22/2008 12:11	3.9	15.33	8.29	389.6	0.19	348	0.2493	95.6	9.09
Site4	4/22/2008 12:11	5	15.28	8.29	389.6	0.19	348	0.2493	95.4	9.09
Site4	4/22/2008 12:12	5.9	14.85	8.29	389.4	0.19	348	0.2492	94.4	9.08
Site4	4/22/2008 12:13	6.9	14.46	8.28	390.3	0.19	348	0.2498	92.1	8.93
Site4	4/22/2008 12:14	7.9	14.44	8.27	389.8	0.19	348	0.2495	90.4	8.76
Site4	4/22/2008 12:15	8.9	14.43	8.25	389.9	0.19	348	0.2496	90.2	8.75
Site4	4/22/2008 12:15	8.9	14.42	8.27	389.9	0.19	348	0.2496	90.1	8.74
Site4	4/22/2008 12:16	10	14.23	8.24	390.9	0.19	349	0.2502	86.4	8.42
Site4	4/22/2008 12:17	10.9	14.18	8.22	391	0.19	349	0.2503	83.8	8.18
Site4	4/22/2008 12:18	11.1	14.16	8.18	391.4	0.19	313	0.2505	81.1	7.92
Site4	5/16/2008 12:54	0.1	19.75	8.27	398	0.2	367	0.2547	105	9.13
Site4	5/16/2008 12:55	1	19.82	8.28	398.3	0.2	361	0.2549	104.4	9.06
Site4	5/16/2008 12:55	2	19.24	8.28	395.7	0.2	358	0.2533	102.9	9.04
Site4	5/16/2008 12:56	3	18.97	8.26	394.5	0.2	356	0.2525	98.6	8.71
Site4	5/16/2008 12:57	4	18.89	8.24	394.8	0.2	353	0.2527	95.4	8.44
Site4	5/16/2008 12:58	5	18.87	8.23	394.9	0.2	351	0.2527	95	8.41
Site4	5/16/2008 12:58	6	18.85	8.23	394.7	0.2	349	0.2526	94.4	8.36
Site4	5/16/2008 12:59	7	18.85	8.23	394.6	0.2	348	0.2525	94.8	8.39
Site4	5/16/2008 13:00	8	18.83	8.24	394.1	0.2	347	0.2523	95	8.42
Site4	5/16/2008 13:01	9	18.82	8.25	394.2	0.2	346	0.2523	95.6	8.47
Site4	5/16/2008 13:01	10	18.77	8.24	394.5	0.2	346	0.2525	94.5	8.38
Site4	5/16/2008 13:02	10.4	18.7	8.2	394.5	0.2	300	0.2525	7.2	0.64
Site4	5/21/2008 13:46	0.1	21.68	8.55	397.3	0.2	413	0.2543	-9	-9
Site4	5/21/2008 13:46	1	21.69	8.56	397.3	0.2	413	0.2543	-9	-9
Site4	5/21/2008 13:47	2	21.51	8.55	396.8	0.2	413	0.254	-9	-9
Site4	5/21/2008 13:48	2.9	21.43	8.55	396.4	0.2	413	0.2537	-9	-9
Site4	5/21/2008 13:48	3.9	21.33	8.53	395.7	0.2	413	0.2532	-9	-9
Site4	5/21/2008 13:49	5	21.24	8.52	394.8	0.2	413	0.2527	-9	-9
Site4	5/21/2008 13:50	6	21.18	8.51	395.3	0.2	412	0.253	-9	-9
Site4	5/21/2008 13:50	7	21.12	8.48	397	0.2	412	0.2541	-9	-9
Site4	5/21/2008 13:51	8	19.25	8.24	401.2	0.2	417	0.2568	-9	-9

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site4	5/21/2008 13:52	9.1	18.84	8.13	402.7	0.2	419	0.2577	-9	-9
Site4	5/21/2008 13:53	10.1	18.88	8.1	403	0.2	418	0.2579	-9	-9
Site4	5/21/2008 13:53	11.1	18.81	8.07	403.2	0.2	418	0.258	-9	-9
Site4	5/21/2008 13:54	12	18.75	8.03	404.6	0.2	418	0.259	-9	-9
Site4	5/21/2008 13:55	13	18.73	8.02	405.7	0.2	418	0.2596	-9	-9
Site4	5/21/2008 13:55	13.2	18.69	7.99	406.9	0.2	409	0.2604	-9	-9
Site4	6/4/2008 14:36	0.1	25.43	8.34	362	0.2	421	0.231	94.3	7.45
Site4	6/4/2008 14:37	0.6	25.4	8.35	362	0.2	427	0.231	92.4	7.31
Site4	6/4/2008 14:38	1.1	25.39	8.35	361	0.2	431	0.231	91.4	7.23
Site4	6/4/2008 14:40	2	25.39	8.34	361	0.2	435	0.231	91.8	7.26
Site4	6/4/2008 14:41	3	25.36	8.32	362	0.2	439	0.232	90.6	7.17
Site4	6/4/2008 14:43	4	25.36	8.34	362	0.2	441	0.232	90.7	7.18
Site4	6/4/2008 14:44	6.1	25.22	8.32	363	0.2	443	0.232	87.4	6.93
Site4	6/4/2008 14:47	7.1	25.06	8.29	363	0.2	445	0.232	82.9	6.59
Site4	6/4/2008 14:49	8	23.29	7.94	364	0.2	459	0.232	45.4	3.74
Site4	6/4/2008 14:51	9	20.36	7.45	365	0.2	472	0.233	6.2	0.54
Site4	6/4/2008 14:52	10	19.58	7.42	365	0.2	471	0.234	1.5	0.13
Site4	6/4/2008 14:54	10.6	19.5	7.45	364	0.2	446	0.233	5.1	0.45
Site4	6/4/2008 14:55	13.1	19.23	7.4	373	0.2	386	0.239	3.2	0.28
Site4	6/18/2008 11:52	0.2	26.62	8.45	405.6	0.2	207	0.2596	101.6	7.82
Site4	6/18/2008 11:56	1.2	25.87	8.52	404.2	0.2	201	0.2587	98.1	7.66
Site4	6/18/2008 11:57	2.1	25.85	8.52	404.7	0.2	200	0.259	97.1	7.58
Site4	6/18/2008 11:58	3.3	25.71	8.47	407	0.2	202	0.2604	89.6	7.02
Site4	6/18/2008 11:59	4.1	25.66	8.44	407.6	0.2	204	0.2609	84.4	6.61
Site4	6/18/2008 11:59	4.2	25.65	8.44	407.6	0.2	204	0.2609	84.4	6.61
Site4	6/18/2008 12:00	5.8	25.63	8.41	407.7	0.2	207	0.2609	84.2	6.6
Site4	6/18/2008 12:01	6	25.64	8.36	407.7	0.2	210	0.2609	84	6.58
Site4	6/18/2008 12:02	7	25.64	8.36	407.7	0.2	211	0.2609	83	6.51
Site4	6/18/2008 12:03	8.1	25.6	8.37	408	0.2	211	0.2611	79.7	6.25
Site4	6/18/2008 12:05	9.8	25.11	8.22	407.8	0.2	213	0.2617	69.5	5.51
Site4	6/18/2008 12:07	10	24.64	7.88	414.3	0.21	212	0.2652	20.3	1.62
Site4	6/18/2008 12:08	11.1	23.7	7.71	415	0.21	207	0.2656	9.1	0.74
Site4	6/18/2008 12:09	12.1	23.06	7.67	417.8	0.21	199	0.2674	1.7	0.14
Site4	6/18/2008 12:10	12.9	22.57	7.66	420.8	0.21	191	0.2693	1.5	0.12
Site4	6/18/2008 12:11	13.8	21.96	7.59	429.1	0.21	97	0.2746	1.6	0.13
Site4	7/9/2008 13:31	0.1	28.66	8.76	381.9	0.19	316	0.2444	121.7	9
Site4	7/9/2008 13:32	1	28.46	8.68	383.4	0.19	314	0.2454	115.3	8.56

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site4	7/9/2008 13:33	2	28.37	8.68	384.2	0.19	308	0.2459	108.1	8.04
Site4	7/9/2008 13:33	3.1	28.35	8.64	384.4	0.19	305	0.246	104.6	7.78
Site4	7/9/2008 13:34	4	28.33	8.58	384.9	0.19	304	0.2463	101.2	7.53
Site4	7/9/2008 13:35	5	28.28	8.5	385.8	0.19	303	0.2469	95.4	7.1
Site4	7/9/2008 13:36	6.1	27.67	8.16	392.7	0.2	305	0.2513	46.9	3.53
Site4	7/9/2008 13:38	7.4	27.43	8.05	394.4	0.2	296	0.2524	29.4	2.22
Site4	7/9/2008 13:39	8	27.06	7.89	396.8	0.2	295	0.254	11.1	0.85
Site4	7/9/2008 13:40	9	26.1	7.75	398.6	0.2	228	0.2551	1.8	0.14
Site4	7/9/2008 13:41	10.1	24.64	7.64	401.6	0.2	-40	0.257	1.6	0.12
Site4	7/9/2008 13:41	11	24.35	7.62	401.7	0.2	-101	0.2571	1.5	0.12
Site4	7/9/2008 13:42	12	23.26	7.6	407.6	0.2	-128	0.2609	1.4	0.11
Site4	7/9/2008 13:43	12.9	22.81	7.36	416.2	0.21	-103	0.2664	1.3	0.11
Site4	7/21/2008 11:51	0.1	29.92	8.56	366.1	0.18	180	0.2343	147.7	10.7
Site4	7/21/2008 11:52	0.98	29.84	8.6	364.6	0.18	186	0.2334	150.4	10.91
Site4	7/21/2008 11:53	2.05	29.38	8.61	367.8	0.18	189	0.2354	144.9	10.59
Site4	7/21/2008 11:55	2.98	29.11	8.55	369.5	0.18	194	0.2365	134.9	9.9
Site4	7/21/2008 11:56	4.05	29.03	8.49	370.6	0.18	200	0.2372	129.1	9.49
Site4	7/21/2008 11:58	5.05	28.23	8.17	376.4	0.19	201	0.2409	75.4	5.62
Site4	7/21/2008 12:00	5.95	28.02	8.05	379.4	0.19	199	0.2428	57.3	4.29
Site4	7/21/2008 12:01	7.07	27.56	7.69	387.8	0.19	180	0.2482	6.5	0.49
Site4	7/21/2008 12:03	7.95	27.3	7.65	388.1	0.19	105	0.2484	1.7	0.13
Site4	7/21/2008 12:04	9	26.09	7.61	395	0.2	-86	0.2528	1.8	0.14
Site4	7/21/2008 12:05	9.98	24.87	7.49	397.5	0.2	-115	0.2544	1.6	0.13
Site4	8/4/2008 11:29	0.4	30.56	8.7	397.6	0.2	176	0.2545	130.8	9.35
Site4	8/4/2008 11:30	1.1	30.55	8.66	397.1	0.2	186	0.2541	131.3	9.38
Site4	8/4/2008 11:33	2	30.3	8.62	397.2	0.2	196	0.2542	126.6	9.1
Site4	8/4/2008 11:35	3	30.04	8.47	400.4	0.2	200	0.2563	107.7	7.77
Site4	8/4/2008 11:38	4.1	29.59	8.08	410.7	0.2	186	0.2628	48.5	3.53
Site4	8/4/2008 11:41	5	29.34	7.98	412.3	0.21	183	0.2639	39.8	2.9
Site4	8/4/2008 11:43	6	28.57	7.71	420.4	0.21	-6	0.2691	1.6	0.12
Site4	8/4/2008 11:45	6.9	28.25	7.68	423.7	0.21	-56	0.2712	1.4	0.1
Site4	8/4/2008 11:46	8.5	27.44	7.62	430.9	0.22	-89	0.2758	1.1	0.09
Site4	8/4/2008 11:47	9.2	25.6	7.5	444.2	0.22	-100	0.2844	1.2	0.09
Site4	8/4/2008 11:49	9.8	24.64	7.44	449	0.23	-108	0.2874	1	0.08
Site4	8/18/2008 10:53	0.2	27.02	8.46	360.8	0.18	220	0.2309	78.6	6.01
Site4	8/18/2008 10:54	1.1	27.09	8.44	361	0.18	226	0.231	77.8	5.93
Site4	8/18/2008 10:56	2	27.07	8.42	360.8	0.18	233	0.2309	77.2	5.89

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site4	8/18/2008 10:57	3	27.1	8.4	360.9	0.18	238	0.231	77	5.87
Site4	8/18/2008 10:58	4.1	27.07	8.4	361.1	0.18	241	0.2311	77.4	5.9
Site4	8/18/2008 10:59	5.1	27.08	8.39	361.5	0.18	244	0.2314	77.2	5.89
Site4	8/18/2008 11:00	6.1	27.1	8.38	360.9	0.18	247	0.2309	77.1	5.88
Site4	8/18/2008 11:01	7.1	27.1	8.38	360.9	0.18	248	0.231	76.1	5.8
Site4	8/18/2008 11:02	8.1	27.09	8.37	361.5	0.18	250	0.2314	76.4	5.82
Site4	8/18/2008 11:03	9.1	27.08	8.37	360.8	0.18	247	0.2309	74.5	5.69
Site4	8/18/2008 11:05	10.1	24.99	8.27	403.2	0.2	-45	0.2578	2.4	0.19
Site4	9/2/2008 13:02	0.1	28.15	8.6	353.1	0.17	207	0.226	127.6	9.5
Site4	9/2/2008 13:03	1	28.14	8.59	353.1	0.17	211	0.226	126.7	9.44
Site4	9/2/2008 13:04	2	28.12	8.6	353	0.17	212	0.2259	125.3	9.34
Site4	9/2/2008 13:05	3	28.04	8.6	353.2	0.17	215	0.2261	123	9.18
Site4	9/2/2008 13:06	4	27.97	8.56	352.4	0.17	217	0.2255	114.9	8.59
Site4	9/2/2008 13:08	5.1	27.76	8.47	354.5	0.17	222	0.2269	96.7	7.26
Site4	9/2/2008 13:10	6	27	7.69	363.4	0.18	218	0.2326	17.1	1.3
Site4	9/2/2008 13:12	6.9	26.05	7.5	365.1	0.18	90	0.2337	1.9	0.15
Site4	9/2/2008 13:14	8.1	25.59	7.47	360.8	0.18	11	0.2309	1.4	0.11
Site4	9/2/2008 13:15	9	25.08	7.45	352.5	0.17	-17	0.2256	1.3	0.1
Site4	9/2/2008 13:16	10	24.15	7.32	340	0.17	-41	0.2176	1.3	0.11
Site4	9/2/2008 13:18	10.5	23.72	7.15	344	0.17	-59	0.2201	1.3	0.1
Site4	9/22/2008 13:56	0.2	23.89	8.6	338.6	0.17	249	0.2167	99.4	6.96
Site4	9/22/2008 13:57	1.1	23.83	8.53	338.4	0.17	250	0.2166	97.8	6.85
Site4	9/22/2008 13:58	2	23.69	8.53	338.9	0.17	248	0.2169	93.3	6.55
Site4	9/22/2008 14:00	3.1	23.6	8.47	339.4	0.17	244	0.2172	82.8	5.83
Site4	9/22/2008 14:03	4	23.52	8.41	339.9	0.17	241	0.2176	75.4	5.31
Site4	9/22/2008 14:05	5.1	23.31	8.21	340.6	0.17	233	0.218	50.6	3.58
Site4	9/22/2008 14:06	5.1	23.26	8.19	340.8	0.17	227	0.2181	53.3	3.78
Site4	9/22/2008 14:10	6.1	23.23	8.06	341.2	0.17	218	0.2184	37.8	2.68
Site4	9/22/2008 14:13	7	23.22	8.01	341.3	0.17	215	0.2184	32.3	2.29
Site4	9/22/2008 14:14	8	23.13	7.98	341.6	0.17	214	0.2186	25	1.77
Site4	9/22/2008 14:16	9	23.05	7.91	344.8	0.17	209	0.2207	6.4	0.45
Site4	9/22/2008 14:18	10	23.04	7.89	345.1	0.17	200	0.2208	4.9	0.35
Site4	9/22/2008 14:21	11	23.03	7.88	345.8	0.17	195	0.2213	4	0.28
Site4	9/22/2008 14:22	11.9	23.01	7.88	347.6	0.17	191	0.2225	1.4	0.1
Site4	9/22/2008 14:24	12.6	22.96	7.89	352.9	0.17	186	0.2259	1.4	0.1
Site4	9/22/2008 14:27	12.9	22.92	7.31	359.7	0.18	61	0.2302	1.4	0.1
Site4	10/16/2008 12:19	0.1	20.4	8.35	378.1	0.19	375	0.242	88.4	7.66

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site4	10/16/2008 12:20	1.04	20.39	8.32	378.1	0.19	376	0.242	87.7	7.6
Site4	10/16/2008 12:21	2.03	20.36	8.38	378.1	0.19	373	0.242	86.5	7.5
Site4	10/16/2008 12:22	3.02	20.34	8.36	378.3	0.19	371	0.2421	85.9	7.45
Site4	10/16/2008 12:24	3.98	20.3	8.38	378.2	0.19	370	0.2421	84.7	7.35
Site4	10/16/2008 12:24	5.01	20.28	8.41	378.2	0.19	370	0.242	84.2	7.31
Site4	10/16/2008 12:25	6.01	20.24	8.39	378.1	0.19	369	0.242	84.4	7.33
Site4	10/16/2008 12:26	7.02	20.18	8.37	378.2	0.19	369	0.242	84.5	7.35
Site4	10/16/2008 12:27	8.01	20.12	8.38	378.1	0.19	369	0.242	84.6	7.36
Site4	10/16/2008 12:28	9.03	20.03	8.38	378.4	0.19	369	0.2422	83	7.24
Site4	10/16/2008 12:29	9.25	20.05	8.36	378.4	0.19	365	0.2422	82.1	7.16
Site4	12/8/2008 13:34	0.5	7.88	8.17	373.8	-9	416	-9	85.8	9.91
Site4	12/8/2008 13:36	1	7.89	8.14	373.4	-9	415	-9	85.7	9.91
Site4	12/8/2008 13:36	2	7.89	8.14	373.5	-9	415	-9	85.9	9.94
Site4	12/8/2008 13:37	3	7.88	8.15	373.8	-9	414	-9	85.9	9.94
Site4	12/8/2008 13:38	4	7.88	8.13	373.5	-9	414	-9	86.1	9.95
Site4	12/8/2008 13:38	5	7.9	8.16	373.6	-9	412	-9	86.4	9.98
Site4	12/8/2008 13:39	6	7.92	8.16	373.6	-9	411	-9	86.4	9.99
Site4	12/8/2008 13:40	7	7.92	8.18	373.5	-9	410	-9	86.5	9.99
Site4	12/8/2008 13:40	8	7.92	8.19	373.6	-9	410	-9	86.6	10.01
Site4	12/8/2008 13:40	9	7.94	8.2	373.5	-9	409	-9	86.7	10.01
Site4	2/9/2009 12:15	0.25	6.64	8.16	384.2	0.19	432	0.2459	102.1	11.98
Site4	2/9/2009 12:15	1.08	6.62	8.16	384.8	0.19	431	0.2463	102	11.97
Site4	2/9/2009 12:16	2	6.61	8.18	384.8	0.19	429	0.2463	101.9	11.96
Site4	2/9/2009 12:17	3.06	6.58	8.18	384.4	0.19	429	0.246	101.8	11.96
Site4	2/9/2009 12:17	4.04	6.57	8.19	384.4	0.19	428	0.246	101.7	11.95
Site4	2/9/2009 12:18	5.07	6.54	8.19	384.2	0.19	428	0.2459	101.5	11.93
Site4	2/9/2009 12:18	5.99	6.54	8.19	384.5	0.19	428	0.2461	101.5	11.93
Site4	2/9/2009 12:19	7.06	6.58	8.19	384.5	0.19	428	0.2461	101.4	11.92
Site4	2/9/2009 12:20	8.58	6.49	8.2	383.8	0.19	428	0.2457	101.2	11.91
Site4	2/9/2009 12:21	9.02	6.51	8.2	384.3	0.19	428	0.246	101	11.88
Site4	2/9/2009 12:22	9.91	6.58	8.2	384.6	0.19	427	0.2462	100.8	11.84
Site4	2/9/2009 12:22	11.02	6.54	8.19	384.4	0.19	428	0.246	100.8	11.85
Site4	2/9/2009 12:23	12.01	6.51	8.19	384.2	0.19	428	0.2459	100.7	11.85
Site4	2/9/2009 12:23	13.04	6.36	7.83	385.7	0.19	351	0.2468	74	8.74
Site4	2/9/2009 12:38	12.91	6.44	8.25	384	0.19	202	0.2457	99.8	11.77
Site4	2/9/2009 12:39	11.83	6.44	8.21	383.7	0.19	187	0.2458	83	9.79
Site4	4/15/2009 10:03	12.6	12.05	8.25	417.4	0.21	435	0.2672	80.8	8.31

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site4	4/15/2009 10:05	11.96	12.07	8.31	415.1	0.21	435	0.2657	88	9.04
Site4	4/15/2009 10:06	11.01	12.11	8.34	415.2	0.21	436	0.2657	90.3	9.27
Site4	4/15/2009 10:07	9.89	12.17	8.34	414.6	0.21	437	0.2653	90.9	9.32
Site4	4/15/2009 10:14	9.11	12.21	8.35	414.6	0.21	445	0.2653	93.6	9.59
Site4	4/15/2009 10:16	7.96	12.26	8.36	414.8	0.21	446	0.2655	94.3	9.65
Site4	4/15/2009 10:16	7.02	12.29	8.35	414.9	0.21	448	0.2655	94.5	9.66
Site4	4/15/2009 10:17	6	12.32	8.35	415.1	0.21	448	0.2657	94.8	9.68
Site4	4/15/2009 10:18	5.01	12.35	8.36	415.1	0.21	449	0.2657	94.8	9.68
Site4	4/15/2009 10:19	4	12.44	8.38	415.4	0.21	449	0.2658	95.6	9.74
Site4	4/15/2009 10:20	2.59	12.64	8.41	415	0.21	448	0.2657	97.7	9.91
Site4	4/15/2009 10:20	2.06	12.94	8.42	415.5	0.21	449	0.2659	99.4	10.01
Site4	4/15/2009 10:21	0.91	13.02	8.45	415.6	0.21	450	0.266	101.9	10.25
Site4	4/15/2009 10:22	0.12	13.1	8.45	415.7	0.21	449	0.266	102.3	10.27
Site4	5/7/2009 11:19	0.11	19.15	8.2	417.6	0.21	367	0.2673	101.8	8.96
Site4	5/7/2009 11:19	0.23	19.15	8.2	417.7	0.21	368	0.2674	102	8.98
Site4	5/7/2009 11:20	1.01	18.18	8.23	415.6	0.21	369	0.266	98.5	8.85
Site4	5/7/2009 11:21	2.01	17.37	8.22	416.6	0.21	370	0.2666	93.6	8.54
Site4	5/7/2009 11:22	2.98	17.29	8.21	416.9	0.21	371	0.2668	90.3	8.26
Site4	5/7/2009 11:24	3.99	17.22	8.2	417.1	0.21	373	0.267	88.8	8.13
Site4	5/7/2009 11:25	5.02	17.21	8.2	416.8	0.21	375	0.2668	87.3	8
Site4	5/7/2009 11:26	6	17.2	8.21	417	0.21	376	0.2669	87.9	8.05
Site4	5/7/2009 11:28	7	17.17	8.23	417.1	0.21	378	0.2669	89.1	8.17
Site4	5/7/2009 11:29	8.02	17.16	8.22	416.8	0.21	379	0.2668	88.8	8.14
Site4	5/7/2009 11:32	9	17.11	8.09	415.5	0.21	382	0.2659	75.7	6.95
Site4	5/7/2009 11:34	9.93	16.81	8	420.7	0.21	385	0.2693	66	6.1
Site4	5/7/2009 11:35	10.96	16.74	7.99	421	0.21	386	0.2694	66.5	6.15
Site4	5/7/2009 11:36	12.04	16.69	7.97	418.4	0.21	387	0.2678	67.2	6.23
Site4	5/7/2009 11:37	13.03	16.61	7.89	422.8	0.21	390	0.2706	56.5	5.24
Site4	5/20/2009 10:00	0.14	20.3	8.43	415.2	0.21	410	0.2658	113.1	9.86
Site4	5/20/2009 10:02	0.96	20.29	8.44	415.4	0.21	413	0.2659	113.3	9.87
Site4	5/20/2009 10:03	2.02	20.28	8.44	415.4	0.21	416	0.2658	113.1	9.86
Site4	5/20/2009 10:04	2.98	20.17	8.41	415.5	0.21	418	0.2659	110.8	9.68
Site4	5/20/2009 10:06	4.1	20	8.32	416.1	0.21	420	0.2663	99.9	8.76
Site4	5/20/2009 10:07	5.04	19.76	8.3	416.3	0.21	422	0.2664	96.4	8.5
Site4	5/20/2009 10:08	5.95	19.11	8.18	417.1	0.21	425	0.2669	85.6	7.64
Site4	5/20/2009 10:09	7.03	19.06	8.17	417.2	0.21	426	0.267	83.9	7.49
Site4	5/20/2009 10:11	8	18.99	8.15	417.8	0.21	427	0.2674	81	7.25
Site4	5/20/2009 10:12	8.99	18.96	8.1	418.7	0.21	428	0.268	75.6	6.77

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site4	5/20/2009 10:14	10.06	18.59	7.93	421.4	0.21	431	0.2697	58.3	5.26
Site4	5/20/2009 10:15	11.05	18.54	7.9	421.7	0.21	432	0.2699	55.9	5.05
Site4	5/20/2009 10:16	11.93	18.48	7.88	422.3	0.21	432	0.2703	52.8	4.77
Site4	5/20/2009 10:17	12.93	18.4	7.85	422.9	0.21	433	0.2706	49.8	4.5
Site4	5/20/2009 10:20	13.34	18.24	7.75	425.7	0.21	159	0.2724	31.4	2.85
Site4	6/4/2009 10:25	0.1	23.67	8.51	400	0.2	548	0.256	100.4	7.99
Site4	6/4/2009 10:26	0.98	23.68	8.5	399.8	0.2	548	0.2558	99.7	7.93
Site4	6/4/2009 10:28	1.98	23.65	8.48	399.9	0.2	550	0.256	98.4	7.83
Site4	6/4/2009 10:28	3.05	23.67	8.48	399.9	0.2	551	0.2559	99.3	7.9
Site4	6/4/2009 10:29	4.01	23.63	8.46	400.2	0.2	552	0.2561	96.2	7.66
Site4	6/4/2009 10:30	4.99	23.61	8.45	400.1	0.2	552	0.2561	95.2	7.58
Site4	6/4/2009 10:31	6	23.59	8.43	400.6	0.2	553	0.2564	92.1	7.34
Site4	6/4/2009 10:32	6.95	21.75	7.87	419.5	0.21	559	0.2685	29	2.39
Site4	6/4/2009 10:32	7.97	20.31	7.62	419.8	0.21	560	0.2687	6.1	0.52
Site4	6/4/2009 10:34	9.02	18.73	7.51	421.1	0.21	560	0.2695	2.3	0.2
Site4	6/4/2009 10:35	9.99	18.64	7.49	421.8	0.21	555	0.2699	2	0.18
Site4	6/4/2009 10:36	11.06	18.32	7.5	421.9	0.21	557	0.27	1.8	0.16
Site4	6/4/2009 10:37	12.03	18.21	7.5	422.8	0.21	557	0.2706	1.8	0.16
Site4	6/4/2009 10:38	12	18.2	7.54	422.7	0.21	535	0.2705	1.7	0.15
Site4	6/4/2009 10:39	12.9	18.14	7.52	423.8	0.21	527	0.2712	1.7	0.15
Site4	6/25/2009 10:00	0.19	30.83	8.45	405	0.2	342	0.2592	141.3	10.04
Site4	6/25/2009 10:01	0.98	30.56	8.43	407.1	0.2	352	0.2606	143.1	10.21
Site4	6/25/2009 10:02	2.04	29.6	8.39	409.5	0.2	364	0.262	136.8	9.93
Site4	6/25/2009 10:03	3.05	28.87	8.28	419.9	0.21	370	0.2687	101.4	7.45
Site4	6/25/2009 10:04	4.09	28.17	8.16	420.5	0.21	373	0.2691	80.2	5.97
Site4	6/25/2009 10:05	5.05	27.43	7.93	423.9	0.21	372	0.2713	43.7	3.3
Site4	6/25/2009 10:06	6.07	26.89	7.78	423.3	0.21	370	0.2709	24.7	1.88
Site4	6/25/2009 10:07	7.08	24.49	7.58	425.3	0.21	184	0.2722	2.2	0.18
Site4	6/25/2009 10:08	8.06	23.26	7.54	426.6	0.21	119	0.273	2.1	0.17
Site4	6/25/2009 10:08	9.08	21.61	7.47	430.4	0.22	66	0.2755	2	0.16
Site4	6/25/2009 10:09	10.04	20.27	7.39	434.4	0.22	30	0.278	1.9	0.16
Site4	6/25/2009 10:10	11.14	19.59	7.39	432.9	0.22	11	0.2771	1.8	0.16
Site4	6/25/2009 10:10	12.07	19.29	7.4	433.5	0.22	-8	0.2774	1.8	0.16
Site4	6/25/2009 10:11	12.92	19.09	7.38	436.4	0.22	-29	0.2793	1.6	0.15
Site4	7/9/2009 9:20	12.38	19.5	7.55	442.7	0.22	-18	0.2833	2	0.17
Site4	7/9/2009 9:24	12.04	19.5	7.58	442.8	0.22	-64	0.2834	1.5	0.13
Site4	7/9/2009 9:25	10.98	20.21	7.62	442.9	0.22	-74	0.2835	1.4	0.12

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site4	7/9/2009 9:27	9.91	20.33	7.62	443.3	0.22	-81	0.2837	1.4	0.12
Site4	7/9/2009 9:27	8.97	21.77	7.7	438.5	0.22	-82	0.2807	1.3	0.11
Site4	7/9/2009 9:29	7.98	23.52	7.76	435.8	0.22	-82	0.2789	1.2	0.1
Site4	7/9/2009 9:30	6.25	26.22	7.96	425.4	0.21	-5	0.2722	12	0.92
Site4	7/9/2009 9:30	6	27.79	8.42	413.8	0.21	49	0.2648	70.4	5.26
Site4	7/9/2009 9:31	5.09	27.88	8.47	413.6	0.21	77	0.2647	77	5.74
Site4	7/9/2009 9:32	4.01	27.93	8.46	413.6	0.21	116	0.2647	78.2	5.83
Site4	7/9/2009 9:33	2.99	27.95	8.44	413.8	0.21	130	0.2648	78.5	5.85
Site4	7/9/2009 9:34	1.88	27.96	8.41	413.5	0.21	156	0.2647	79.4	5.91
Site4	7/9/2009 9:35	0.97	27.96	8.4	413.4	0.21	170	0.2646	79.9	5.95
Site4	7/9/2009 9:36	0.16	27.95	8.4	413.6	0.21	188	0.2647	80.3	5.98
Site4	7/23/2009 9:32	0.13	28.11	8.45	397.1	0.2	272	0.2542	104.9	7.79
Site4	7/23/2009 9:33	1.01	27.94	8.41	397.4	0.2	276	0.2544	100.4	7.48
Site4	7/23/2009 9:34	2.04	27.92	8.4	397.7	0.2	277	0.2545	97.8	7.28
Site4	7/23/2009 9:35	3.02	27.91	8.4	398	0.2	279	0.2547	95.1	7.09
Site4	7/23/2009 9:36	4.01	27.9	8.38	398.1	0.2	282	0.2548	94.1	7.01
Site4	7/23/2009 9:37	5	27.87	8.37	398.2	0.2	284	0.2548	93	6.93
Site4	7/23/2009 9:38	5.96	27.86	8.37	398.1	0.2	287	0.2548	93.5	6.98
Site4	7/23/2009 9:39	6.99	27.84	8.37	398.2	0.2	290	0.2549	93.2	6.96
Site4	7/23/2009 9:40	8.01	26.95	8.06	411.1	0.21	292	0.2631	17.7	1.34
Site4	7/23/2009 9:43	8.99	22.35	7.41	436.1	0.22	14	0.2791	2.2	0.18
Site4	7/23/2009 9:44	10.04	21.1	7.32	440.4	0.22	-15	0.2818	2.1	0.18
Site4	7/23/2009 9:45	10.3	20.39	7.28	442.6	0.22	-34	0.2832	1.8	0.15
Site4	8/6/2009 10:22	12.54	19.93	7.28	448.4	0.23	-29	0.287	2.8	0.26
Site4	8/6/2009 10:24	11.79	19.99	7.26	448.8	0.23	-50	0.2872	2.2	0.2
Site4	8/6/2009 10:25	11	20.9	7.32	446.3	0.22	-68	0.2856	1.9	0.17
Site4	8/6/2009 10:26	9.96	21.93	7.41	441.9	0.22	-74	0.2828	1.8	0.16
Site4	8/6/2009 10:27	8.59	24.97	7.69	414.2	0.21	-71	0.2651	1.6	0.13
Site4	8/6/2009 10:27	7.99	26.57	7.84	399.8	0.2	-35	0.2559	9.1	0.72
Site4	8/6/2009 10:28	7	27.15	8.07	395.2	0.2	11	0.2529	35.6	2.8
Site4	8/6/2009 10:29	5.92	27.51	8.26	392.4	0.2	53	0.2511	60.2	4.7
Site4	8/6/2009 10:30	4.96	27.76	8.48	386.5	0.19	89	0.2473	89.9	6.99
Site4	8/6/2009 10:31	3.4	27.77	8.49	386.4	0.19	111	0.2473	91.9	7.14
Site4	8/6/2009 10:33	2.38	27.77	8.51	386.2	0.19	135	0.2472	93.8	7.3
Site4	8/6/2009 10:33	1.98	27.78	8.49	386.2	0.19	145	0.2472	94.5	7.35
Site4	8/6/2009 10:34	0.82	27.78	8.49	386.1	0.19	152	0.2471	94.4	7.34
Site4	8/6/2009 10:34	0.21	27.76	8.46	386.2	0.19	162	0.2472	94.7	7.36

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site4	8/24/2009 11:08	0.22	27.36	8.62	0.9	-0	311	0.0006	101.9	7.7
Site4	8/24/2009 11:10	1.04	27.45	8.64	381.8	0.19	315	0.2444	102.4	7.72
Site4	8/24/2009 11:11	2.14	27.38	8.64	382.1	0.19	318	0.2446	97.1	7.33
Site4	8/24/2009 11:12	3.09	27.33	8.63	382.5	0.19	320	0.2448	94.2	7.12
Site4	8/24/2009 11:13	4.1	27.28	8.61	382.9	0.19	323	0.2451	90.5	6.85
Site4	8/24/2009 11:14	5.09	27.26	8.63	382.7	0.19	324	0.2449	92.4	6.99
Site4	8/24/2009 11:14	6.03	27.19	8.67	382.1	0.19	324	0.2445	96.1	7.28
Site4	8/24/2009 11:15	7.04	27.13	8.65	382.6	0.19	326	0.2449	92.2	6.99
Site4	8/24/2009 11:16	8.05	26.66	7.99	395.7	0.2	243	0.2532	5.7	0.44
Site4	8/24/2009 11:17	8.98	26.25	7.91	402.2	0.2	73	0.2574	2.5	0.19
Site4	8/24/2009 11:17	9.56	26.04	7.89	402.7	0.2	37	0.2578	2.1	0.16
Site4	9/3/2009 10:01	0.15	25.31	8.14	385.3	0.19	236	0.2466	77.3	6.09
Site4	9/3/2009 10:01	1.11	25.31	8.14	385.4	0.19	235	0.2467	76.8	6.05
Site4	9/3/2009 10:02	2.01	25.32	8.13	385.9	0.19	233	0.247	74.9	5.9
Site4	9/3/2009 10:03	3	25.32	8.14	385.6	0.19	232	0.2468	74.2	5.85
Site4	9/3/2009 10:04	4	25.32	8.13	385.6	0.19	232	0.2468	75.2	5.93
Site4	9/3/2009 10:04	4.03	25.32	8.13	385.7	0.19	232	0.2469	74.8	5.89
Site4	9/3/2009 10:04	5.05	25.32	8.13	385.6	0.19	232	0.2468	74.6	5.88
Site4	9/3/2009 10:05	6.05	25.32	8.13	385.6	0.19	232	0.2468	74.7	5.88
Site4	9/3/2009 10:06	6.97	25.32	8.13	385.7	0.19	232	0.2469	74.6	5.88
Site4	9/3/2009 10:06	8.02	25.32	8.12	385.6	0.19	232	0.2468	74.2	5.85
Site4	9/3/2009 10:07	8.97	25.32	8.12	385.6	0.19	233	0.2468	73.9	5.83
Site4	9/3/2009 10:08	10.06	25.32	8.12	385.6	0.19	233	0.2468	73.3	5.78
Site4	9/3/2009 10:08	10.95	25.32	8.11	385.7	0.19	234	0.2469	72.8	5.74
Site4	9/3/2009 10:09	11.9	22.03	7.08	468.2	0.24	66	0.2997	4.2	0.35
Site4	9/3/2009 10:10	12.45	21.23	7	473.3	0.24	42	0.3029	3.7	0.32
Site4	9/3/2009 10:10	12.35	21.24	6.97	473.6	0.24	28	0.3031	2.2	0.19
Site4	9/17/2009 10:09	12.37	23.61	8.52	386.6	0.19	228	0.2474	72	5.78
Site4	9/17/2009 10:10	11.81	23.59	8.51	386.6	0.19	230	0.2474	72.4	5.81
Site4	9/17/2009 10:10	10.98	23.62	8.57	386.4	0.19	227	0.2473	72.6	5.83
Site4	9/17/2009 10:11	9.98	23.62	8.49	386.4	0.19	233	0.2473	72.9	5.84
Site4	9/17/2009 10:13	9.02	23.63	8.48	386.7	0.19	234	0.2475	72.9	5.85
Site4	9/17/2009 10:13	8	23.64	8.58	386.4	0.19	228	0.2473	73.2	5.87
Site4	9/17/2009 10:14	7	23.64	8.52	386.3	0.19	233	0.2472	73.4	5.88
Site4	9/17/2009 10:14	6.02	23.65	8.51	386.5	0.19	234	0.2473	73.3	5.88
Site4	9/17/2009 10:15	5.01	23.65	8.46	386.3	0.19	238	0.2472	73.5	5.89
Site4	9/17/2009 10:16	3.98	23.65	8.44	386.4	0.19	240	0.2473	73.6	5.9
Site4	9/17/2009 10:16	3.02	23.65	8.47	386.3	0.19	238	0.2472	73.6	5.9

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site4	9/17/2009 10:17	2.01	23.65	8.45	386.5	0.19	240	0.2473	73.6	5.9
Site4	9/17/2009 10:18	1.02	23.65	8.47	386.5	0.19	240	0.2473	73.9	5.92
Site4	9/17/2009 10:19	-0.16	23.65	8.43	386.5	0.19	243	0.2473	74.1	5.94
Site4	9/30/2009 12:01	12.8	21.23	7.51	385.3	0.19	363	0.2466	65.9	5.63
Site4	9/30/2009 12:02	12.07	21.23	7.84	383.7	0.19	355	0.2455	22.9	1.95
Site4	9/30/2009 12:03	11.03	21.27	7.87	384.1	0.19	344	0.2459	68	5.81
Site4	9/30/2009 12:05	9.97	21.36	7.79	386.3	0.19	345	0.2472	60.6	5.17
Site4	9/30/2009 12:10	8.97	21.49	7.74	387.3	0.19	344	0.2479	64.6	5.49
Site4	9/30/2009 12:11	8.01	21.6	7.8	387.5	0.19	344	0.248	71.5	6.06
Site4	9/30/2009 12:12	7.01	21.63	7.8	388	0.19	344	0.2483	72.7	6.17
Site4	9/30/2009 12:13	6.03	21.64	7.8	387.7	0.19	344	0.2481	74.1	6.28
Site4	9/30/2009 12:14	6.02	21.63	7.8	387.3	0.19	345	0.2479	72.8	6.17
Site4	9/30/2009 12:15	5.11	21.65	7.8	387.1	0.19	345	0.2477	74.3	6.29
Site4	9/30/2009 12:16	4.03	21.64	7.8	387.3	0.19	345	0.2479	74.2	6.29
Site4	9/30/2009 12:16	3.02	21.65	7.81	387.1	0.19	346	0.2477	75.3	6.38
Site4	9/30/2009 12:17	2.02	21.65	7.82	387.5	0.19	346	0.248	76.5	6.48
Site4	9/30/2009 12:18	1.02	21.66	7.82	387.6	0.19	346	0.2481	76.3	6.46
Site4	9/30/2009 12:19	0.09	21.66	7.82	386.8	0.19	346	0.2476	76.9	6.52
Site4	10/19/2009 11:52	12.56	16.35	7.85	379.2	0.19	386	0.2427	75.5	7.09
Site4	10/19/2009 11:54	12.05	16.35	7.92	378.4	0.19	376	0.2422	84.5	7.93
Site4	10/19/2009 11:54	10.95	16.37	7.93	378.3	0.19	377	0.2421	85.2	7.99
Site4	10/19/2009 11:54	9.66	16.38	7.93	378.3	0.19	378	0.2421	85.4	8.01
Site4	10/19/2009 11:55	11.2	16.36	7.92	378.6	0.19	379	0.2423	84.9	7.96
Site4	10/19/2009 11:56	10.13	16.37	7.93	378.5	0.19	380	0.2423	85.6	8.02
Site4	10/19/2009 11:57	9	16.39	7.94	378.4	0.19	381	0.2422	86.4	8.1
Site4	10/19/2009 11:57	7.93	16.39	7.94	378.4	0.19	381	0.2422	86.5	8.1
Site4	10/19/2009 11:58	7.01	16.4	7.95	378.4	0.19	382	0.2422	86.6	8.11
Site4	10/19/2009 11:58	5.98	16.41	7.96	378.3	0.19	383	0.2421	86.9	8.14
Site4	10/19/2009 11:58	4.97	16.41	7.97	378.6	0.19	383	0.2423	86.9	8.14
Site4	10/19/2009 11:59	4.6	16.42	7.95	378.5	0.19	384	0.2423	87.3	8.18
Site4	10/19/2009 12:00	4.01	16.44	7.95	378.4	0.19	385	0.2421	87.6	8.2
Site4	10/19/2009 12:01	2.88	16.46	7.96	378.4	0.19	386	0.2422	87.6	8.2
Site4	10/19/2009 12:02	2.01	16.45	7.97	378.3	0.19	387	0.2421	87.8	8.21
Site4	10/19/2009 12:02	1.07	16.46	7.96	378.4	0.19	387	0.2422	88	8.23
Site4	10/19/2009 12:02	0.26	16.47	7.96	378.6	0.19	386	0.2423	88.6	8.29

Table D-7 Site 5 Station Data

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site5	4/22/2008 11:17	0.2	17.31	8.27	378.4	0.19	337	0.2422	97.8	8.92
Site5	4/22/2008 11:18	1	17.3	8.27	378.2	0.19	336	0.2421	97.6	8.91
Site5	4/22/2008 11:18	1.9	17.24	8.26	378.4	0.19	336	0.2422	97.2	8.88
Site5	4/22/2008 11:19	2.9	16.87	8.25	377.6	0.19	336	0.2416	95.7	8.81
Site5	4/22/2008 11:20	3.9	16.56	8.25	380	0.19	336	0.2432	96.1	8.91
Site5	4/22/2008 11:21	4.9	16.05	8.24	379	0.19	336	0.2425	93.6	8.77
Site5	4/22/2008 11:22	5.9	14.95	8.22	382.1	0.19	336	0.2446	89.7	8.6
Site5	4/22/2008 11:23	6.7	14.42	8.07	386.3	0.19	320	0.2472	69.2	6.71
Site5	5/16/2008 12:11	0.1	19.85	8.34	408.3	0.2	425	0.2613	108	9.38
Site5	5/16/2008 12:11	1	19.63	8.33	407.4	0.2	424	0.2607	107.1	9.34
Site5	5/16/2008 12:12	2	19.04	8.3	405.7	0.2	423	0.2596	100.2	8.84
Site5	5/16/2008 12:13	3	18.96	8.28	407.4	0.2	422	0.2607	95.7	8.46
Site5	5/16/2008 12:14	4	18.96	8.28	407.6	0.2	421	0.2609	95.7	8.46
Site5	5/16/2008 12:15	5	18.95	8.28	407	0.2	420	0.2605	96	8.48
Site5	5/16/2008 12:16	6	18.94	8.29	407	0.2	419	0.2605	96.7	8.55
Site5	5/16/2008 12:17	6.9	18.67	7.83	406.8	0.2	38	0.2603	82	7.28
Site5	5/21/2008 13:10	0.1	21.6	8.48	406.9	0.2	417	0.2604		
Site5	5/21/2008 13:11	1	21.53	8.51	407	0.2	417	0.2605		
Site5	5/21/2008 13:11	2	21.38	8.49	405.7	0.2	416	0.2596		
Site5	5/21/2008 13:12	3	21.29	8.48	404.8	0.2	415	0.2591		
Site5	5/21/2008 13:13	4	21.27	8.48	404.8	0.2	414	0.2591		
Site5	5/21/2008 13:14	5	21.19	8.46	406.1	0.2	413	0.2599		
Site5	5/21/2008 13:15	6	20.2	8.24	423	0.21	417	0.2707		
Site5	5/21/2008 13:16	6.1	20.19	8.19	423.5	0.21	413	0.271		
Site5	6/4/2008 13:47	0	25.79	8.29	371	0.2	429	0.237	90.7	7.12
Site5	6/4/2008 13:48	0.6	25.78	8.29	371	0.2	435	0.237	89.5	7.03
Site5	6/4/2008 13:49	1	25.78	8.29	371	0.2	440	0.238	88.5	6.95
Site5	6/4/2008 13:50	2	25.74	8.29	372	0.2	443	0.238	88.2	6.93
Site5	6/4/2008 13:51	2.9	25.69	8.27	373	0.2	445	0.239	86.4	6.8
Site5	6/4/2008 13:52	3.9	25.59	8.26	373	0.2	447	0.239	84.3	6.65
Site5	6/4/2008 13:53	5	23.73	7.86	369	0.2	458	0.236	39	3.18
Site5	6/4/2008 13:56	5.7	23.2	7.68	370	0.2	216	0.237	14.5	1.2
Site5	6/18/2008 13:28	0.14	28	8.74	405.3	0.2	151	0.2594	119.7	9
Site5	6/18/2008 13:29	0.97	26.11	8.59	406.3	0.2	167	0.26	96.7	7.51

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site5	6/18/2008 13:31	2.07	26.07	8.58	406.6	0.2	174	0.2602	94.8	7.37
Site5	6/18/2008 13:32	3	26.02	8.51	407.2	0.2	181	0.2606	88.8	6.91
Site5	6/18/2008 13:32	4	25.98	8.43	407.3	0.2	186	0.2607	86.4	6.73
Site5	6/18/2008 13:34	5.04	25.88	8.31	403.6	0.2	189	0.2583	77.7	6.06
Site5	6/18/2008 13:35	6.03	25.18	7.96	388.8	0.19	187	0.2488	49.6	3.92
Site5	6/18/2008 13:36	6.41	25.19	7.8	392.2	0.19	44	0.251	22	1.73
Site5	7/9/2008 13:08	0.11	28.87	8.71	385.4	0.19	336	0.2467	118.4	8.73
Site5	7/9/2008 13:09	1	28.45	8.62	387.5	0.19	331	0.248	109.3	8.11
Site5	7/9/2008 13:10	2	28.31	8.56	391.3	0.19	325	0.2504	100	7.44
Site5	7/9/2008 13:11	3	28.27	8.47	393	0.2	324	0.2515	91.2	6.79
Site5	7/9/2008 13:12	4.05	28.13	8.29	395.5	0.2	325	0.2532	70.7	5.28
Site5	7/9/2008 13:13	5.04	27.81	8.08	396.7	0.2	323	0.2539	43.6	3.28
Site5	7/9/2008 13:14	5.98	27.35	7.87	400.2	0.2	292	0.2561	9.9	0.75
Site5	7/21/2008 12:48	0.13	30.12	8.55	369.7	0.18	152	0.2366	147.7	10.66
Site5	7/21/2008 12:50	1.04	29.83	8.57	368.9	0.18	160	0.2361	148.2	10.75
Site5	7/21/2008 12:51	2.09	29.13	8.49	371.3	0.18	161	0.2376	128.8	9.45
Site5	7/21/2008 12:52	3.15	28.9	8.3	379.3	0.19	163	0.2427	98.3	7.24
Site5	7/21/2008 12:53	4	28.52	8.12	378.4	0.19	165	0.2422	75.3	5.59
Site5	7/21/2008 12:54	5.08	28.05	7.81	384	0.19	159	0.2457	34.9	2.61
Site5	7/21/2008 12:56	5.86	27.67	7.7	392.4	0.2	16	0.2511	2.2	0.17
Site5	8/4/2008 12:32	0.35	30.73	8.46	417	0.21	201	0.2669	101.9	7.26
Site5	8/4/2008 12:34	1.04	30.59	8.47	417.2	0.21	207	0.267	100.3	7.16
Site5	8/4/2008 12:36	1.93	30.41	8.44	415.3	0.21	212	0.2658	97.1	6.96
Site5	8/18/2008 11:42	0.2	27.06	8.57	351.4	0.17	257	0.2249	92.1	7.02
Site5	8/18/2008 11:43	1.14	27.1	8.56	351.4	0.17	259	0.2249	91.2	6.95
Site5	8/18/2008 11:43	2.13	27.09	8.55	351.3	0.17	262	0.2248	91.1	6.94
Site5	8/18/2008 11:45	3.04	27.12	8.54	351.1	0.17	265	0.2247	91	6.93
Site5	8/18/2008 11:46	4.06	27.06	8.53	351.5	0.17	267	0.2249	91	6.94
Site5	8/18/2008 11:47	5.02	27.11	8.52	350.8	0.17	269	0.2245	91.1	6.94
Site5	9/2/2008 13:37	0.06	29.1	8.58	347.8	0.17	211	0.2226	121.1	8.87
Site5	9/2/2008 13:39	1.07	29.14	8.6	347.5	0.17	215	0.2224	121.5	8.9
Site5	9/2/2008 13:40	1.07	29.12	8.6	347.6	0.17	217	0.2225	122.8	9
Site5	9/2/2008 13:41	1.99	29.04	8.6	348.1	0.17	219	0.2228	119	8.73
Site5	9/2/2008 13:43	2.98	28.97	8.62	348	0.17	221	0.2227	117.4	8.62
Site5	9/2/2008 13:45	3.98	28.89	8.62	347.3	0.17	223	0.2223	116.6	8.58

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site5	9/2/2008 13:47	4.97	28.68	8.59	347.5	0.17	225	0.2224	109.4	8.07
Site5	9/2/2008 13:49	5.22	28.66	7.08	346.4	0.17	-13	0.2217	30.9	2.28
Site5	9/22/2008 14:46	1.08	24.78	8.9	337.1	0.17	284	0.2158	132.9	9.15
Site5	9/22/2008 14:47	0.12	24.8	8.94	337	0.17	286	0.2157	134.6	9.26
Site5	9/22/2008 14:50	2.03	24.76	8.92	337.1	0.17	296	0.2157	132.3	9.11
Site5	9/22/2008 14:51	3.07	24.69	8.93	337.3	0.17	298	0.2159	128	8.82
Site5	9/22/2008 14:53	4.01	24.34	8.74	342.7	0.17	303	0.2193	95.5	6.62
Site5	9/22/2008 14:55	4.72	24.29	8.65	343.7	0.17	289	0.22	87.7	6.09
Site5	10/16/2008 13:11	0.08	20.01	8.72	381	0.19	282	0.2439	100.4	8.76
Site5	10/16/2008 13:13	1.03	19.97	8.6	381	0.19	277	0.2438	99.2	8.66
Site5	10/16/2008 13:14	2.02	19.88	8.67	381.3	0.19	274	0.244	98.1	8.58
Site5	10/16/2008 13:15	3	19.66	8.67	381.7	0.19	272	0.2443	96.2	8.45
Site5	10/16/2008 13:16	3.98	19.23	8.65	382.7	0.19	271	0.2449	89.9	7.97
Site5	10/16/2008 13:17	4.6	19.2	8.6	382.8	0.19	265	0.245	88	7.81
Site5	2/9/2009 13:10	6.75	7.91	8.21	394.7	0.2	297	0.2526	100.5	11.43
Site5	2/9/2009 13:11	5.92	8.31	8.26	397	0.2	293	0.2541	101.6	11.44
Site5	2/9/2009 13:12	5.04	8.43	8.29	398.4	0.2	289	0.255	102.5	11.5
Site5	2/9/2009 13:12	3	8.5	8.24	399.2	0.2	289	0.2555	103.1	11.55
Site5	2/9/2009 13:13	2	8.55	8.28	399.3	0.2	286	0.2556	103.2	11.54
Site5	2/9/2009 13:13	1.01	8.61	8.29	399.3	0.2	285	0.2555	103.7	11.59
Site5	2/9/2009 13:14	0.09	8.64	8.31	399.3	0.2	284	0.2555	103.8	11.59
Site5	4/15/2009 10:53	7.01	12.29	8.16	448.4	0.23	444	0.287	72	7.37
Site5	4/15/2009 10:54	5.94	12.3	8.16	448.8	0.23	444	0.2872	71.7	7.33
Site5	4/15/2009 10:54	5.01	12.42	8.24	423.9	0.21	441	0.2713	79	8.05
Site5	4/15/2009 10:55	5.04	12.42	8.28	423.6	0.21	444	0.2711	84.6	8.63
Site5	4/15/2009 10:56	4.03	12.6	8.35	419.2	0.21	445	0.2683	92.1	9.35
Site5	4/15/2009 10:58	3	13.34	8.42	422	0.21	446	0.2701	99	9.89
Site5	4/15/2009 10:58	1.91	13.45	8.44	421.9	0.21	446	0.27	101.1	10.08
Site5	4/15/2009 10:59	0.8	13.47	8.5	422.1	0.21	444	0.2702	101.8	10.13
Site5	4/15/2009 11:00	0.16	13.47	8.48	422.3	0.21	446	0.2703	102.1	10.17
Site5	5/7/2009 12:20	6.94	16.03	7.73	445.6	0.22	356	0.2852	53.6	5.03
Site5	5/7/2009 12:21	6.02	16.14	7.75	441.2	0.22	354	0.2824	56.4	5.28
Site5	5/7/2009 12:23	5.01	16.84	7.91	415.8	0.21	353	0.2661	65.6	6.05
Site5	5/7/2009 12:24	4	17.25	8.11	412.7	0.21	353	0.264	81	7.41
Site5	5/7/2009 12:25	3	17.34	8.16	414.6	0.21	353	0.2653	82.6	7.55

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site5	5/7/2009 12:26	2.03	17.54	8.21	415.5	0.21	354	0.2659	86.9	7.91
Site5	5/7/2009 12:27	0.98	19.12	8.32	417.5	0.21	354	0.2672	99.5	8.76
Site5	5/7/2009 12:28	0.11	19.36	8.32	416.2	0.21	356	0.2664	101.2	8.88
Site5	5/20/2009 10:54	0.06	21.26	8.4	416.4	0.21	366	0.2665	113.9	9.74
Site5	5/20/2009 10:55	1.02	21.21	8.39	416.7	0.21	367	0.2667	113	9.67
Site5	5/20/2009 10:56	2.03	21.23	8.39	416.7	0.21	369	0.2667	111.6	9.55
Site5	5/20/2009 10:56	2.99	21.15	8.39	416.8	0.21	370	0.2668	110.8	9.49
Site5	5/20/2009 10:58	3.99	21.06	8.35	416.9	0.21	373	0.2668	107	9.19
Site5	5/20/2009 10:59	5.18	19.43	7.95	418.4	0.21	377	0.2678	54.9	4.87
Site5	5/20/2009 11:00	6.01	19.36	7.93	419.2	0.21	376	0.2683	55.2	4.9
Site5	5/20/2009 11:01	6.99	19.25	7.95	420.8	0.21	375	0.2693	56.9	5.07
Site5	5/20/2009 11:02	7.39	19.19	7.95	421.5	0.21	364	0.2698	56.6	5.05
Site5	6/4/2009 11:24	0.1	23.93	8.38	422.1	0.21	519	0.2701	93	7.37
Site5	6/4/2009 11:25	0.99	23.87	8.36	422.7	0.21	521	0.2706	91	7.21
Site5	6/4/2009 11:27	2	23.66	8.32	427.2	0.21	522	0.2734	86.3	6.87
Site5	6/4/2009 11:28	3.01	23.55	8.3	428.3	0.21	523	0.2741	85	6.77
Site5	6/4/2009 11:29	4.02	23.49	8.31	428.2	0.21	523	0.2741	84.6	6.75
Site5	6/4/2009 11:30	5	23.34	8.26	432.3	0.22	516	0.2766	79.4	6.36
Site5	6/4/2009 11:32	5.08	23.34	8.28	431.6	0.22	506	0.2762	78.9	6.32
Site5	6/25/2009 10:39	0.1	31.9	8.46	407.2	0.2	386	0.2606	146.9	10.25
Site5	6/25/2009 10:41	1	31.78	8.45	406.9	0.2	393	0.2604	149.3	10.44
Site5	6/25/2009 10:45	1.91	31	8.36	416.5	0.21	406	0.2666	126.3	8.95
Site5	6/25/2009 10:47	3	28.95	8.24	420.6	0.21	411	0.2692	90.6	6.65
Site5	6/25/2009 10:48	3.99	27.67	7.9	426.1	0.21	411	0.2727	42.7	3.2
Site5	6/25/2009 10:50	5.02	27.39	7.66	431.5	0.22	397	0.2762	8.9	0.67
Site5	6/25/2009 10:51	5.99	25.96	7.61	441.3	0.22	110	0.2824	1.9	0.14
Site5	6/25/2009 10:51	6.45	24.36	7.53	436.6	0.22	68	0.2794	1.9	0.16
Site5	7/9/2009 9:58	6.43	28.12	8.51	412.3	0.21	310	0.2639	87.1	6.47
Site5	7/9/2009 9:59	5.63	28.14	8.53	412.3	0.21	313	0.2639	88.5	6.57
Site5	7/9/2009 10:00	4.98	28.29	8.53	412.1	0.21	318	0.2638	90.1	6.67
Site5	7/9/2009 10:02	4.04	28.3	8.52	411.8	0.21	326	0.2635	91.4	6.77
Site5	7/9/2009 10:03	3.04	28.31	8.5	411.7	0.21	331	0.2635	92.3	6.83
Site5	7/9/2009 10:04	1.97	28.32	8.5	411.5	0.21	335	0.2634	93.1	6.89
Site5	7/9/2009 10:05	0.53	28.36	8.52	411.3	0.21	335	0.2632	94	6.95
Site5	7/9/2009 10:06	0.08	28.38	8.51	411.1	0.21	341	0.2631	95.3	7.05

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site5	7/23/2009 9:55	0.1	28.53	8.47	397	0.2	218	0.2541	109.6	8.08
Site5	7/23/2009 9:56	1.01	28.14	8.38	397.9	0.2	226	0.2547	95.8	7.11
Site5	7/23/2009 9:58	2.01	28.09	8.35	398.4	0.2	235	0.2549	89.9	6.68
Site5	7/23/2009 9:59	3	28.04	8.34	398.5	0.2	241	0.255	87.4	6.5
Site5	7/23/2009 10:00	3.99	28	8.37	397.6	0.2	247	0.2545	90.6	6.74
Site5	7/23/2009 10:01	5	27.97	8.33	398.2	0.2	253	0.2549	86.3	6.42
Site5	7/23/2009 10:04	5.96	27.87	8.1	404.2	0.2	257	0.2587	53.8	4.01
Site5	7/23/2009 10:07	6.94	27.84	7.8	409.5	0.2	250	0.2621	20.7	1.54
Site5	8/6/2009 10:43	6.84	27.34	7.81	404.7	0.2	201	0.259	2.8	0.22
Site5	8/6/2009 10:44	5.88	27.5	7.9	400.8	0.2	195	0.2565	16.9	1.32
Site5	8/6/2009 10:45	4.91	27.68	8.41	390.4	0.19	202	0.2498	80.9	6.3
Site5	8/6/2009 10:47	4	27.71	8.4	390.2	0.19	213	0.2497	84.7	6.59
Site5	8/6/2009 10:48	3	27.69	8.41	389.8	0.19	218	0.2495	83.9	6.53
Site5	8/6/2009 10:49	1.97	27.69	8.42	389.6	0.19	224	0.2493	85.7	6.67
Site5	8/6/2009 10:50	1.01	27.69	8.4	389.8	0.19	230	0.2495	85.8	6.68
Site5	8/6/2009 10:51	0.11	27.67	8.38	389.6	0.19	235	0.2494	86.1	6.71
Site5	8/24/2009 11:26	0.18	27.57	8.73	381.1	0.19	263	0.2439	111.4	8.38
Site5	8/24/2009 11:27	0.96	27.53	8.73	381	0.19	277	0.2438	109	8.21
Site5	8/24/2009 11:29	2.05	27.51	8.72	381.2	0.19	286	0.244	106.3	8.01
Site5	8/24/2009 11:29	3.07	27.51	8.73	381.2	0.19	289	0.244	106.6	8.03
Site5	8/24/2009 11:30	3.99	27.51	8.73	381.2	0.19	292	0.244	106.4	8.02
Site5	8/24/2009 11:31	5.06	27.44	8.72	381.1	0.19	295	0.2439	104.2	7.86
Site5	8/24/2009 11:31	5.02	27.43	8.7	381.6	0.19	296	0.2442	101.6	7.67
Site5	9/3/2009 10:22	0.11	25.21	8.18	384.9	0.19	213	0.2463	85.2	6.73
Site5	9/3/2009 10:23	1.04	25.23	8.2	384.9	0.19	214	0.2464	85.2	6.73
Site5	9/3/2009 10:24	2.05	25.23	8.19	385.1	0.19	216	0.2465	83.3	6.58
Site5	9/3/2009 10:26	3.13	25.23	8.19	385.1	0.19	218	0.2465	82.5	6.51
Site5	9/3/2009 10:26	4.02	25.23	8.19	385.1	0.19	220	0.2465	81.9	6.46
Site5	9/3/2009 10:27	5.03	25.21	8.18	384.9	0.19	223	0.2463	82.1	6.49
Site5	9/3/2009 10:29	6.06	25.14	8.17	385.3	0.19	226	0.2466	80.1	6.34
Site5	9/3/2009 10:31	6.96	25.14	7.42	394.1	0.2	68	0.2522	2	0.16
Site5	9/17/2009 10:27	6.54	22.55	8.52	380.3	0.19	252	0.2434	79.2	6.49
Site5	9/17/2009 10:27	6.54	22.55	8.51	380.7	0.19	253	0.2436	79	6.47
Site5	9/17/2009 10:27	6.53	22.55	8.5	380.7	0.19	253	0.2436	78.9	6.46
Site5	9/17/2009 10:27	6.5	22.57	8.48	380.4	0.19	254	0.2435	79	6.46
Site5	9/17/2009 10:28	6	22.59	8.53	380.4	0.19	251	0.2434	81	6.63

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site5	9/17/2009 10:29	4.99	22.73	8.57	381.6	0.19	251	0.2442	81.4	6.64
Site5	9/17/2009 10:29	3.99	22.73	8.57	381.6	0.19	251	0.2442	82	6.69
Site5	9/17/2009 10:30	3.01	22.75	8.47	381.7	0.19	257	0.2443	81.9	6.68
Site5	9/17/2009 10:31	1.99	22.76	8.49	381.6	0.19	256	0.2443	82	6.69
Site5	9/17/2009 10:31	0.94	22.75	8.46	381.6	0.19	259	0.2442	82.5	6.73
Site5	9/17/2009 10:32	0.12	22.8	8.44	381.7	0.19	261	0.2443	83.2	6.78
Site5	9/30/2009 12:42	6.74	20.8	7.86	377.3	0.19	351	0.2414	54.5	4.7
Site5	9/30/2009 12:44	6.28	20.86	7.89	377.4	0.19	351	0.2415	56.9	4.89
Site5	9/30/2009 12:46	5.87	20.91	7.9	377.2	0.19	351	0.2414	60.3	5.18
Site5	9/30/2009 12:47	4.89	21.55	8.07	383.5	0.19	350	0.2454	93.9	7.97
Site5	9/30/2009 12:48	3.99	21.55	8.08	384.4	0.19	350	0.246	94.2	7.99
Site5	9/30/2009 12:48	2.9	21.58	8.09	383.7	0.19	350	0.2455	96	8.14
Site5	9/30/2009 12:49	2.05	21.57	8.08	383.4	0.19	351	0.2454	96.3	8.18
Site5	9/30/2009 12:49	1.02	21.6	8.09	384.2	0.19	351	0.2459	96.8	8.21
Site5	9/30/2009 12:50	0.07	21.6	8.1	383.6	0.19	351	0.2455	97.3	8.25
Site5	10/19/2009 11:23	7.09	15.84	7.96	375	0.19	240	0.24	79.8	7.56
Site5	10/19/2009 11:24	6.98	15.82	8.05	374.9	0.19	278	0.2399	90.9	8.63
Site5	10/19/2009 11:24	5.98	15.84	8.07	374.8	0.19	289	0.2398	92.9	8.81
Site5	10/19/2009 11:25	5.01	15.89	8.07	375	0.19	300	0.24	93.5	8.86
Site5	10/19/2009 11:26	4.34	15.91	8.07	375.3	0.19	317	0.2402	93.8	8.88
Site5	10/19/2009 11:26	2.96	15.93	8.07	374.9	0.19	321	0.2399	94	8.9
Site5	10/19/2009 11:27	2.06	15.91	8.07	375	0.19	328	0.24	94.3	8.93
Site5	10/19/2009 11:27	1.01	15.92	8.08	375	0.19	332	0.24	94.3	8.93
Site5	10/19/2009 11:28	0.14	15.94	8.08	375	0.19	334	0.24	95	8.99

Table D-8 Site 6 Station Data

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site6	4/22/2008 10:50	0.3	18.44	8.2	437.6	0.22	327	0.2801	94.7	8.44
Site6	4/22/2008 10:51	1	18.42	8.2	436.8	0.22	326	0.2795	94.5	8.43
Site6	4/22/2008 10:52	2	18.21	8.19	429.6	0.22	326	0.275	92.2	8.26
Site6	4/22/2008 10:53	3	17.31	8.17	402.6	0.2	326	0.2576	86.3	7.87
Site6	4/22/2008 10:53	3	17.3	8.16	404.8	0.2	326	0.2591	86.7	7.92
Site6	4/22/2008 10:54	3.2	17.1	8.12	426	0.21	306	0.2726	81	7.42
Site6	5/16/2008 11:57	0.1	19.75	8.04	503.9	0.26	441	0.3225	91.9	7.99
Site6	5/16/2008 11:58	1	19.58	8.05	503.4	0.25	436	0.3222	89.6	7.81
Site6	5/16/2008 11:59	2	19.42	8.03	493.5	0.25	432	0.3158	84.3	7.38
Site6	5/16/2008 12:00	3	18.75	8.08	443.8	0.22	430	0.2842	81.4	7.23
Site6	5/16/2008 12:00	3.4	18.78	8.06	445.4	0.22	425	0.2851	78.5	6.96
Site6	5/21/2008 12:46	0.1	21.9	8.29	456.2	0.23	428	0.2919		
Site6	5/21/2008 12:47	1	21.87	8.29	457.4	0.23	423	0.2928		
Site6	5/21/2008 12:48	2	21.76	8.28	455.1	0.23	420	0.2912		
Site6	5/21/2008 12:49	3	21.65	8.21	458.5	0.23	419	0.2934		
Site6	5/21/2008 12:50	3.4	21.27	8.09	470.8	0.24	421	0.3013		
Site6	6/4/2008 13:33	0.1	27.05	8.21	442	0.2	438	0.283	94.9	7.28
Site6	6/4/2008 13:35	1	26.52	8.14	442	0.2	444	0.283	85.7	6.54
Site6	6/4/2008 13:36	2	26.21	8.13	432	0.2	444	0.276	80.8	6.29
Site6	6/4/2008 13:38	3	26.14	8.14	423	0.2	444	0.271	81.5	6.36
Site6	6/18/2008 13:10	0.11	25.88	8.35	371.7	0.18	211	0.2379	86.1	6.72
Site6	6/18/2008 13:12	1.01	24.33	8.06	347.3	0.17	120	0.2223	68.7	5.51
Site6	6/18/2008 13:14	1.99	23.55	7.97	314	0.15	142	0.201	64.4	5.25
Site6	6/18/2008 13:15	2.68	23.06	7.82	270.4	0.13	152	0.173	47.2	3.89
Site6	7/9/2008 12:48	0.08	28.91	8.48	419.4	0.21	172	0.2684	84	6.19
Site6	7/9/2008 12:48	1	28.84	8.4	421.9	0.21	181	0.27	79.6	5.87
Site6	7/9/2008 12:49	2.02	28.72	8.32	429	0.21	182	0.2745	62.6	4.62
Site6	7/9/2008 12:50	3	28.65	8.2	432	0.22	183	0.2765	49.1	3.63
Site6	7/21/2008 13:10	0.14	31.06	8.29	411.6	0.21	165	0.2634	107.6	7.64
Site6	7/21/2008 13:10	1.02	30.23	8.33	412.4	0.21	161	0.264	102.2	7.36
Site6	7/21/2008 13:14	1.99	29.87	8.04	417.8	0.21	152	0.2674	50	3.62

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site6	8/4/2008 12:22	0.14	32.18	8.51	397.8	0.2	378	0.2546	97.9	6.82
Site6	8/4/2008 12:26	0.08	32.65	8.56	395	0.2	365	0.2528	105.9	7.32
Site6	8/4/2008 12:28	1.02	30.95	8.37	410.2	0.2	372	0.2625	76.7	5.46
Site6	8/4/2008 12:30	2.03	30.86	8.2	413.7	0.21	374	0.2648	55	3.92
Site6	8/4/2008 12:32	2.73	30.74	8.08	415.1	0.21	365	0.2657	35.8	2.56
Site6	8/4/2008 12:35	0.49	31.49	8.38	405.9	0.2	355	0.2598	78.8	5.55
Site6	8/4/2008 12:36	0.48	31.52	8.38	405.9	0.2	355	0.2598	77.9	5.49
Site6	8/18/2008 11:59	0.13	26.33	8.56	342.2	0.17	271	0.219	91.2	7.05
Site6	8/18/2008 12:00	1.03	26.41	8.54	341.9	0.17	275	0.2188	90.6	7
Site6	8/18/2008 12:01	2.04	26.33	8.51	335.4	0.16	277	0.2146	87.9	6.79
Site6	8/18/2008 12:03	2.88	26.39	8.45	335.1	0.16	280	0.2145	80.4	6.21
Site6	9/2/2008 14:02	0.11	29.14	8.54	355	0.17	219	0.2272	121.6	8.9
Site6	9/2/2008 14:04	1	29.12	8.55	354.8	0.17	223	0.227	121.4	8.89
Site6	9/2/2008 14:05	2.01	29.12	8.56	354.6	0.17	224	0.2269	120.6	8.83
Site6	9/2/2008 14:06	2.54	29.07	8.56	354.7	0.17	223	0.227	119.1	8.73
Site6	9/22/2008 15:10	0.15	25.44	8.88	352.1	0.17	311	0.2254	122.9	8.35
Site6	9/22/2008 15:12	1.1	25.15	8.81	352.3	0.17	315	0.2255	104.9	7.16
Site6	9/22/2008 15:13	2.15	24.59	8.8	353.5	0.17	315	0.2262	97	6.7
Site6	9/22/2008 15:16	2.99	24.46	7.93	354.7	0.17	249	0.227	81.4	5.63
Site6	10/16/2008 13:32	0.12	18.85	8.6	421.7	0.21	317	0.2699	105.6	9.43
Site6	10/16/2008 13:33	1.07	18.71	8.66	420.5	0.21	315	0.2691	102.8	9.21
Site6	10/16/2008 13:35	2.03	18.41	8.65	417.5	0.21	312	0.2672	98.3	8.86
Site6	10/16/2008 13:36	2.62	18.35	8.64	416.7	0.21	311	0.2667	96.6	8.72
Site6	2/9/2009 13:25	0.12	12.07	8.27	468.1	0.24	344	0.2996	100.7	10.37
Site6	2/9/2009 13:26	1.05	11.84	8.29	467.5	0.24	341	0.2992	99.9	10.34
Site6	2/9/2009 13:27	2.04	11.45	8.26	465.1	0.23	336	0.2976	96.7	10.1
Site6	2/9/2009 13:28	2.31	11.36	8.26	463.4	0.23	335	0.2966	95.9	10.04
Site6	4/15/2009 11:09	0.09	14.3	8.42	440.4	0.22	436	0.2818	98.7	9.65
Site6	4/15/2009 11:10	1.04	14.25	8.38	440.5	0.22	439	0.2819	98.1	9.6
Site6	4/15/2009 11:11	2.05	14.08	8.36	441.7	0.22	440	0.2827	92.9	9.13
Site6	4/15/2009 11:12	2.53	13.37	8.26	455.4	0.23	444	0.2915	76.8	7.66
Site6	5/7/2009 12:43	0.1	19.65	8	408.2	0.2	354	0.2613	91.2	7.94
Site6	5/7/2009 12:46	1.01	17.69	7.76	410.1	0.2	359	0.2624	69	6.26

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site6	5/7/2009 12:47	2	16.03	7.7	448.4	0.23	361	0.2869	62.1	5.83
Site6	5/7/2009 12:50	3	15.76	7.72	479.8	0.24	362	0.3071	53	5
Site6	5/7/2009 12:50	3.19	15.75	7.73	482.5	0.24	363	0.3088	46.8	4.42
Site6	5/20/2009 11:15	0.15	21.77	8.01	388.6	0.19	394	0.2487	88.3	7.47
Site6	5/20/2009 11:16	0.99	21.29	7.94	390.6	0.19	394	0.25	79.8	6.82
Site6	5/20/2009 11:17	2.01	21.17	7.86	392.8	0.2	395	0.2513	71.7	6.14
Site6	5/20/2009 11:18	3	21.08	7.81	393.9	0.2	395	0.2521	65	5.58
Site6	5/20/2009 11:20	3.32	21.09	7.79	392.9	0.2	378	0.2514	60.9	5.22
Site6	6/4/2009 11:47	0.08	23.39	8.13	535.9	0.27	526	0.343	84.9	6.79
Site6	6/4/2009 11:48	0.96	23.27	8.13	535.8	0.27	527	0.3429	83.7	6.71
Site6	6/4/2009 11:50	2.04	22.98	8.04	537.8	0.27	508	0.3442	70.3	5.67
Site6	6/4/2009 11:52	2.2	22.84	7.99	537.1	0.27	491	0.3437	63.3	5.11
Site6	6/25/2009 11:09	0.13	32.82	8.44	426.4	0.21	374	0.2729	133.8	9.19
Site6	6/25/2009 11:11	1.05	31.78	8.31	442.7	0.22	381	0.2833	103.4	7.23
Site6	6/25/2009 11:13	2.3	31.21	8.06	459.5	0.23	382	0.2941	57	4.02
Site6	6/25/2009 11:15	2.22	31.12	8.01	461.2	0.23	384	0.2951	49.5	3.5
Site6	7/9/2009 10:32	0.11	27.63	8.39	436.8	0.22	373	0.2795	85.9	6.44
Site6	7/9/2009 10:32	1	27.52	8.38	437.8	0.22	376	0.2802	84	6.3
Site6	7/9/2009 10:33	1.98	27.27	8.36	441.6	0.22	377	0.2826	78	5.88
Site6	7/9/2009 10:34	2.39	27.23	8.35	442.3	0.22	379	0.2831	76.4	5.77
Site6	7/23/2009 10:29	0.11	28.52	8.39	407	0.2	318	0.2605	100.7	7.43
Site6	7/23/2009 10:30	1.04	27.53	8.26	423.5	0.21	318	0.2711	83	6.23
Site6	7/23/2009 10:31	2	27.24	8.2	429.5	0.22	317	0.2749	75.3	5.68
Site6	7/23/2009 10:32	2.39	27.14	8.17	430.4	0.22	317	0.2754	72.8	5.5
Site6	8/6/2009 11:00	2.47	28.08	8.14	412	0.21	253	0.2637	57.3	4.43
Site6	8/6/2009 11:01	1.99	28.09	8.16	410.8	0.21	253	0.2629	60.3	4.67
Site6	8/6/2009 11:02	0.63	28.1	8.16	412	0.21	255	0.2637	62.5	4.83
Site6	8/6/2009 11:03	0.08	28.11	8.15	412.6	0.21	256	0.264	61.8	4.78
Site6	8/24/2009 11:53	0.13	27.1	8.64	384.7	0.19	306	0.2462	103.8	7.88
Site6	8/24/2009 11:55	1	26.83	8.62	384.9	0.19	314	0.2466	97.7	7.45
Site6	8/24/2009 11:56	2.04	26.42	8.52	386.8	0.19	319	0.2475	82.2	6.31
Site6	8/24/2009 11:57	2.34	26.34	8.5	386.3	0.19	317	0.2472	79.8	6.14

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site6	9/3/2009 11:01	0.09	23.66	8.2	382.5	0.19	284	0.2448	91.4	7.43
Site6	9/3/2009 11:02	1.05	23.66	8.21	382.5	0.19	282	0.2448	90.5	7.36
Site6	9/3/2009 11:03	2.01	23.55	8.16	382.6	0.19	282	0.2449	85.6	6.97
Site6	9/3/2009 11:04	2.3	23.54	8.16	382.8	0.19	281	0.245	84.3	6.87
Site6	9/17/2009 10:57	2.34	21.29	7.94	344.1	0.17	253	0.2202	85	7.13
Site6	9/17/2009 10:58	2	21.31	8.22	343.7	0.17	175	0.22	83.9	7.04
Site6	9/17/2009 10:58	2	21.31	8.33	343.8	0.17	173	0.22	84.6	7.09
Site6	9/17/2009 10:59	0.99	21.31	8.22	343.5	0.17	188	0.2198	84.7	7.1
Site6	9/17/2009 10:59	0.07	21.32	8.26	343.5	0.17	189	0.2198	85.1	7.14
Site6	9/30/2009 13:12	2.34	20.61	8.28	365.9	0.18	359	0.2342	96.6	8.36
Site6	9/30/2009 13:13	2.03	20.75	8.3	369	0.18	358	0.2362	99	8.54
Site6	9/30/2009 13:13	1.01	20.95	8.34	367.1	0.18	358	0.235	105.1	9.03
Site6	9/30/2009 13:14	0.1	21	8.34	366.6	0.18	358	0.2346	105.8	9.08
Site6	10/19/2009 10:46	2.54	14.79	8.21	348.4	0.17	386	0.223	101.5	9.84
Site6	10/19/2009 10:47	1.98	14.79	8.2	349.2	0.17	385	0.2235	101.6	9.85
Site6	10/19/2009 10:47	0.96	14.81	8.21	350	0.17	385	0.224	101.8	9.87
Site6	10/19/2009 10:47	0.09	14.89	8.21	351.4	0.17	385	0.2249	101.8	9.86

Table D-9 Site 7 Station Data

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site7	4/22/2008 11:42	0.1	16.12	8.3	391.6	0.19	346	0.2506	97.4	9.11
Site7	4/22/2008 11:43	1	16.1	8.29	391.3	0.19	345	0.2505	97	9.08
Site7	4/22/2008 11:44	2	15.88	8.28	391.3	0.19	345	0.2504	95.6	8.99
Site7	4/22/2008 11:45	3	15.4	8.28	390	0.19	344	0.2496	95.3	9.05
Site7	4/22/2008 11:46	4	15.03	8.27	389.9	0.19	344	0.2496	92.5	8.85
Site7	4/22/2008 11:47	5	14.5	8.26	389.9	0.19	345	0.2496	90	8.71
Site7	4/22/2008 11:48	6	14.36	8.22	390.2	0.19	345	0.2497	85	8.26
Site7	4/22/2008 11:49	6.3	14.34	8.19	390.6	0.19	312	0.25	82.3	8
Site7	5/16/2008 12:30	0.1	19.73	8.34	394.8	0.2	272	0.2527	108.3	9.43
Site7	5/16/2008 12:31	1	19.6	8.35	394.5	0.2	275	0.2525	108.4	9.46
Site7	5/16/2008 12:33	2	19.34	8.36	394.4	0.2	282	0.2524	107.7	9.45
Site7	5/16/2008 12:34	3.1	18.93	8.32	394.9	0.2	285	0.2528	101.6	8.99
Site7	5/16/2008 12:36	4.1	18.79	8.29	395.7	0.2	287	0.2532	98.3	8.71
Site7	5/16/2008 12:37	5.1	18.76	8.29	395.9	0.2	289	0.2534	97.8	8.68
Site7	5/16/2008 12:39	6.1	18.66	8.25	396.4	0.2	290	0.2537	94.1	8.37
Site7	5/16/2008 12:40	6.2	18.65	8.24	396.6	0.2	291	0.2538	93.3	8.3
Site7	5/21/2008 13:29	0.1	22.01	8.55	399.2	0.2	409	0.2554		
Site7	5/21/2008 13:31	1	21.96	8.56	399.2	0.2	411	0.2555		
Site7	5/21/2008 13:31	2	21.89	8.56	399.3	0.2	410	0.2555		
Site7	5/21/2008 13:33	3	21.46	8.5	399.9	0.2	411	0.2559		
Site7	5/21/2008 13:33	4	20.93	8.42	401.3	0.2	413	0.2568		
Site7	5/21/2008 13:34	5	20.76	8.37	401.5	0.2	413	0.257		
Site7	5/21/2008 13:35	5.6	20.69	8.33	402	0.2	414	0.2573		
Site7	6/4/2008 14:08	0.1	23.99	7.95	368	0.2	426	0.235	72.2	5.86
Site7	6/4/2008 14:09	1	23.94	7.94	367	0.2	431	0.235	71.2	5.78
Site7	6/4/2008 14:11	1.9	23.84	7.93	368	0.2	437	0.235	68.3	5.56
Site7	6/4/2008 14:12	3	23.76	7.91	367	0.2	440	0.235	65.5	5.39
Site7	6/4/2008 14:13	3.8	23.57	7.88	367	0.2	442	0.235	61.9	5.06
Site7	6/4/2008 14:14	5	22.34	7.68	366	0.2	440	0.234	31.6	2.64
Site7	6/18/2008 12:39	5.71	24.69	8.03	410.7	0.2	179	0.2629	11.3	0.9
Site7	6/18/2008 12:39	5.71	24.7	8.03	410.9	0.21	180	0.263	9.6	0.76
Site7	6/18/2008 12:40	5.04	25.11	8.3	409.8	0.2	183	0.2623	50.4	3.98
Site7	6/18/2008 12:42	4.02	25.52	8.54	406.2	0.2	193	0.26	52.1	4.09
Site7	6/18/2008 12:44	3.06	25.6	8.56	406.7	0.2	200	0.2603	93.5	7.33

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site7	6/18/2008 12:45	2.02	25.67	8.59	407.2	0.2	210	0.2606	96.8	7.58
Site7	6/18/2008 12:47	1.01	26.18	8.65	406.4	0.2	224	0.2601	109.2	8.47
Site7	6/18/2008 12:49	0.11	27.35	8.67	407.6	0.2	227	0.2609	113.9	8.65
Site7	7/9/2008 14:00	0.09	29.63	8.76	386.9	0.19	162	0.2476	127.4	9.26
Site7	7/9/2008 14:01	0.99	28.42	8.76	385.5	0.19	169	0.2467	120.3	8.94
Site7	7/9/2008 14:02	1.93	28.38	8.75	385.3	0.19	174	0.2466	112.2	8.34
Site7	7/9/2008 14:03	3.02	28.16	8.59	389	0.19	180	0.2491	98.4	7.34
Site7	7/9/2008 14:04	4	28.05	8.49	390.7	0.19	185	0.2501	89.6	6.7
Site7	7/9/2008 14:04	4.99	27.61	8.22	395	0.2	183	0.2528	58.6	4.42
Site7	7/9/2008 14:05	5.33	27.41	8.16	396.4	0.2	179	0.2537	53.5	4.05
Site7	7/21/2008 12:21	0.14	29.46	8.31	374.9	0.19	146	0.2399	128.7	9.39
Site7	7/21/2008 12:22	1.01	29.08	8.32	373.8	0.19	146	0.2393	127.1	9.34
Site7	7/21/2008 12:23	2.01	28.79	8.3	375.6	0.19	149	0.2404	120.6	8.91
Site7	7/21/2008 12:25	3.07	28.42	8.07	376.8	0.19	149	0.2411	84.2	6.25
Site7	7/21/2008 12:27	4.01	28.32	8.01	377.9	0.19	154	0.2419	78.5	5.85
Site7	7/21/2008 12:29	5.09	27.86	7.75	384.2	0.19	140	0.2459	34.9	2.62
Site7	7/21/2008 12:31	5.56	27.67	7.69	385.8	0.19	130	0.2469	27.4	2.06
Site7	8/4/2008 12:04	0.07	30.01	8.49	410.9	0.21	166	0.263	93	6.71
Site7	8/4/2008 12:05	0.92	29.88	8.45	410.5	0.2	179	0.2627	92	6.66
Site7	8/4/2008 12:06	2.02	29.68	8.42	410.4	0.2	184	0.2627	87.8	6.38
Site7	8/4/2008 12:07	3.97	29.21	7.96	416.9	0.21	175	0.2668	38.9	2.85
Site7	8/4/2008 12:09	4.85	28.56	7.73	423.3	0.21	35	0.2709	2.4	0.18
Site7	8/18/2008 11:18	0.12	26.72	8.51	363.7	0.18	207	0.2328	76.6	5.88
Site7	8/18/2008 11:20	1	26.84	8.48	364.4	0.18	218	0.2332	74.3	5.69
Site7	8/18/2008 11:21	2.06	27.24	8.47	361.5	0.18	223	0.2314	73.9	5.62
Site7	8/18/2008 11:22	3.03	27.27	8.46	361.5	0.18	227	0.2313	73.7	5.6
Site7	8/18/2008 11:23	4.08	27.26	8.45	361.5	0.18	231	0.2313	73.5	5.59
Site7	8/18/2008 11:23	5.2	27.24	8.43	361.7	0.18	233	0.2315	72.4	5.51
Site7	8/18/2008 11:24	5.13	27.25	8.42	361.7	0.18	235	0.2316	71.6	5.45
Site7	9/2/2008 14:29	0.18	28.59	8.58	352.3	0.17	237	0.2255	132.8	9.82
Site7	9/2/2008 14:30	1.05	28.59	8.62	352.3	0.17	238	0.2255	132.6	9.8
Site7	9/2/2008 14:31	2.03	28.51	8.6	352.8	0.17	239	0.2258	131.9	9.76
Site7	9/2/2008 14:32	3.03	28.52	8.63	352.8	0.17	239	0.2258	129.4	9.58
Site7	9/2/2008 14:33	4.04	28.51	8.62	352.9	0.17	240	0.2259	128	9.47
Site7	9/2/2008 14:34	5.08	28.39	8.52	355.7	0.18	240	0.2276	106.5	7.9

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site7	9/22/2008 15:41	1.01	24.09	8.49	340.5	0.17	330	0.2179	89.4	6.24
Site7	9/22/2008 15:43	0.17	24.5	8.56	340.2	0.17	328	0.2176	97.4	6.74
Site7	9/22/2008 15:47	1.97	23.64	8.4	340.9	0.17	330	0.2182	73.2	5.15
Site7	9/22/2008 15:49	3	23.29	8.26	341.5	0.17	329	0.2185	48.5	3.43
Site7	9/22/2008 15:50	4.01	23.15	8.08	344.4	0.17	321	0.2204	22.4	1.59
Site7	9/22/2008 15:53	4.96	23.13	8.01	345.2	0.17	307	0.221	16.3	1.16
Site7	10/16/2008 12:45	0.15	19.43	8.55	376.5	0.19	371	0.2409	100.3	8.86
Site7	10/16/2008 12:46	1.04	19.42	8.55	376.4	0.19	373	0.2409	99.8	8.81
Site7	10/16/2008 12:48	2.09	19.39	8.59	376.3	0.19	372	0.2407	99	8.75
Site7	10/16/2008 12:49	3.13	19.16	8.59	376.4	0.19	371	0.2409	97.8	8.68
Site7	10/16/2008 12:50	4.04	18.88	8.61	376.7	0.19	371	0.2411	97.3	8.69
Site7	10/16/2008 12:51	4.68	18.46	8.6	376.8	0.19	370	0.2412	94.5	8.51
Site7	12/8/2008 14:02	0.5	7.89	8.32	373.5		455		90.2	10.43
Site7	12/8/2008 14:03	1	7.82	8.26	373.7		456		91.6	10.61
Site7	12/8/2008 14:04	2	7.83	8.23	373.8		451		91	10.54
Site7	12/8/2008 14:05	3	7.81	8.23	374.5		448		90.8	10.52
Site7	12/8/2008 14:06	4	7.81	8.23	374		447		90.7	10.5
Site7	12/8/2008 14:07	5	7.81	8.22	373.9		446		90.5	10.49
Site7	2/9/2009 12:53	4.8	7.42	8.24	383.7	0.19	242	0.2456	100.8	11.59
Site7	2/9/2009 12:53	3.91	7.47	8.29	383.7	0.19	239	0.2456	101.5	11.66
Site7	2/9/2009 12:54	3.02	7.63	8.29	383.2	0.19	239	0.2453	102	11.67
Site7	2/9/2009 12:54	2.02	7.82	8.27	383.7	0.19	240	0.2456	102.3	11.65
Site7	2/9/2009 12:55	1	7.79	8.3	383.8	0.19	240	0.2456	102.6	11.69
Site7	2/9/2009 12:55	0.06	7.84	8.29	383.8	0.19	241	0.2456	102.8	11.7
Site7	2/9/2009 12:56	0.09	7.8	8.23	383.7	0.19	244	0.2456	102.8	11.72
Site7	4/15/2009 10:32	0.07	12.79	8.43	414.5	0.21	447	0.2653	102.3	10.34
Site7	4/15/2009 10:33	1	12.78	8.41	414.2	0.21	448	0.2651	102.1	10.33
Site7	4/15/2009 10:34	1.98	12.7	8.46	414.7	0.21	449	0.2654	101.4	10.27
Site7	4/15/2009 10:35	2.96	12.57	8.42	415	0.21	451	0.2656	98.4	10
Site7	4/15/2009 10:36	4.03	12.39	8.41	415	0.21	452	0.2656	94.9	9.68
Site7	4/15/2009 10:38	5.03	12.28	8.26	417.7	0.21	455	0.2674	78.5	8.02
Site7	5/7/2009 11:53	0.09	18.84	8.35	414.7	0.21	316	0.2654	115.1	10.19
Site7	5/7/2009 11:56	0.99	18.74	8.38	414.7	0.21	324	0.2654	114	10.12
Site7	5/7/2009 11:58	2.01	17.44	8.23	416.9	0.21	330	0.2668	90.5	8.25

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site7	5/7/2009 11:58	2.99	17.31	8.23	417.2	0.21	332	0.267	88.5	8.09
Site7	5/7/2009 11:59	4	17.26	8.23	417.4	0.21	332	0.2671	88.3	8.08
Site7	5/7/2009 12:00	5	17.21	8.24	417.1	0.21	334	0.267	89	8.15
Site7	5/7/2009 12:01	5	17.18	8.25	417.2	0.21	335	0.267	89.4	8.2
Site7	5/7/2009 12:03	5.24	17.01	8.16	416.3	0.21	339	0.2664	79.7	7.33
Site7	5/20/2009 10:31	0.09	19.82	8.34	414.9	0.21	297	0.2655	101.2	8.91
Site7	5/20/2009 10:32	1.02	19.79	8.34	414.8	0.21	299	0.2655	101.1	8.9
Site7	5/20/2009 10:33	2.03	19.75	8.33	415.1	0.21	302	0.2656	100	8.81
Site7	5/20/2009 10:34	3.02	19.73	8.34	415.2	0.21	305	0.2657	99.3	8.75
Site7	5/20/2009 10:37	4.03	19.47	8.26	416.8	0.21	310	0.2667	89.7	7.95
Site7	5/20/2009 10:38	5.02	18.93	7.98	419.8	0.21	312	0.2687	61.2	5.48
Site7	5/20/2009 10:40	5.32	18.91	8	420.2	0.21	308	0.2689	60.1	5.38
Site7	6/4/2009 10:55	0.07	23.51	8.46	405.2	0.2	474	0.2593	102	8.14
Site7	6/4/2009 10:56	1.07	23.51	8.46	404.7	0.2	479	0.259	101.6	8.11
Site7	6/4/2009 10:58	1.94	23.45	8.46	404.8	0.2	484	0.2591	100.8	8.05
Site7	6/4/2009 10:59	3	23.39	8.46	404.9	0.2	488	0.2591	99.8	7.98
Site7	6/4/2009 11:01	4.01	23.25	8.46	405.2	0.2	491	0.2594	99.3	7.96
Site7	6/4/2009 11:02	4.62	23.1	8.4	406.6	0.2	493	0.2602	94.8	7.62
Site7	6/25/2009 10:24	4.07	27.99	7.83	424.9	0.21	280	0.2719	42.1	3.14
Site7	6/25/2009 10:25	2.88	28.78	8.25	420.5	0.21	297	0.2691	93.7	6.9
Site7	6/25/2009 10:26	1.82	29.37	8.44	411.6	0.21	308	0.2634	136.5	9.95
Site7	6/25/2009 10:26	1	30.41	8.51	410.6	0.2	315	0.2628	143.4	10.26
Site7	6/25/2009 10:28	0.02	28.2	8.19	0	-0	325	0	106.8	7.96

Table D-10 Site 8 Station Data

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site8	4/22/2008 13:12	0.2	18.92	8.28	373.6	0.18	273	0.2391	101.3	8.95
Site8	4/22/2008 13:12	1	18.84	8.28	373.8	0.19	272	0.2392	100.5	8.88
Site8	4/22/2008 13:13	1.9	18.79	8.26	373.9	0.19	273	0.2393	100	8.85
Site8	4/22/2008 13:14	3	17.19	8.28	376.6	0.19	274	0.241	96.4	8.82
Site8	4/22/2008 13:14	4	17.16	8.27	376.7	0.19	274	0.2411	95.7	8.76
Site8	4/22/2008 13:15	4.2	17.15	8.25	377.1	0.19	271	0.2413	95.4	8.73
Site8	5/16/2008 14:02	0.1	19.76	8.42	383.7	0.19	377	0.2456	113.7	9.88
Site8	5/16/2008 14:03	1	19.63	8.41	384	0.19	377	0.2457	113.5	9.9
Site8	5/16/2008 14:03	2	19.48	8.4	383.9	0.19	376	0.2457	112.2	9.81
Site8	5/16/2008 14:04	3	18.52	8.29	385.3	0.19	377	0.2466	93.3	8.32
Site8	5/16/2008 14:05	3.5	18.47	8.27	385.4	0.19	376	0.2467	92.4	8.25
Site8	5/21/2008 14:58	0.1	21.52	8.43	392.7	0.2	412	0.2514		
Site8	5/21/2008 14:59	1	21.5	8.42	392.8	0.2	412	0.2514		
Site8	5/21/2008 15:00	2	21.46	8.41	393.2	0.2	413	0.2516		
Site8	5/21/2008 15:01	3	21.3	8.35	394.4	0.2	414	0.2524		
Site8	6/4/2008 16:08	0.1	27.3	8.34	362	0.2	431	0.232	95.8	7.32
Site8	6/4/2008 16:09	0.6	27.3	8.34	362	0.2	435	0.232	95.2	7.27
Site8	6/4/2008 16:10	1	27.3	8.34	362	0.2	438	0.232	94.5	7.22
Site8	6/4/2008 16:11	2.1	27.29	8.34	363	0.2	441	0.232	94	7.18
Site8	6/4/2008 16:12	3	27.23	8.32	362	0.2	443	0.232	93.3	7.13
Site8	6/18/2008 10:37	0.11	26.82	8.31	383.1	0.19	274	0.2452	98.9	7.59
Site8	6/18/2008 10:41	1.02	26.14	8.21	376.4	0.19	271	0.2409	84.2	6.54
Site8	6/18/2008 10:43	2.05	26.05	8.18	373.3	0.18	271	0.2389	82.9	6.45
Site8	6/18/2008 10:46	2.99	24.3	7.43	271.8	0.13	267	0.1739	40.1	3.22
Site8	6/18/2008 10:51	3.34	24.03	7.34	274.9	0.13	115	0.1759	1.2	0.1
Site8	7/9/2008 11:19	2.89	29.11	8.37	383.8	0.19	211	0.2456	82.4	6.05
Site8	7/9/2008 11:21	2.01	29.19	8.47	383.5	0.19	210	0.2455	94.1	6.9
Site8	7/9/2008 11:22	1.06	29.33	8.55	381.8	0.19	211	0.2444	105.3	7.69
Site8	7/9/2008 11:23	0.17	29.43	8.55	383.1	0.19	211	0.2452	107.1	7.82
Site8	7/21/2008 9:41	0.06	30.58	8.35	370	0.18	410	0.2368	110	7.87
Site8	7/21/2008 9:42	1.05	30.57	8.27	370.3	0.18	405	0.237	109	7.8
Site8	7/21/2008 9:43	2.01	30.41	8.29	369.7	0.18	393	0.2366	102.5	7.36

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site8	7/21/2008 9:44	3	30.22	8.22	370.9	0.18	389	0.2374	92.6	6.67
Site8	8/4/2008 9:09	2.9	31.5	8.11	416.1	0.21	340	0.2663	82.9	5.83
Site8	8/4/2008 9:14	2.1	31.71	8.18	412.5	0.21	298	0.264	89.5	6.27
Site8	8/4/2008 9:17	1.03	31.81	8.26	408.8	0.2	277	0.2617	96.4	6.74
Site8	8/4/2008 9:19	0.2	31.82	8.3	408.1	0.2	269	0.2612	98.9	6.92
Site8	8/18/2008 8:49	0.11	26.75	8.41	348.2	0.17	397	0.2228	89.1	6.84
Site8	8/18/2008 8:50	1.02	27	8.36	347.1	0.17	395	0.2221	88.1	6.73
Site8	8/18/2008 8:52	2.02	27.03	8.34	347.1	0.17	392	0.2222	88.5	6.76
Site8	8/18/2008 8:55	3.08	27.09	8.33	346.9	0.17	389	0.222	88.6	6.76
Site8	9/2/2008 10:09	0.1	29.41	8.48	365.8	0.18	326	0.2342	99.9	7.28
Site8	9/2/2008 10:10	1.04	29.43	8.45	365.9	0.18	338	0.234	98.8	7.19
Site8	9/2/2008 10:11	2.02	29.42	8.48	365.9	0.18	341	0.2342	96.8	7.05
Site8	9/2/2008 10:12	3.02	29.34	8.47	365.9	0.18	346	0.2342	92.7	6.77
Site8	9/2/2008 10:13	3.28	29.22	8.43	366.3	0.18	314	0.2344	86.5	6.32
Site8	9/22/2008 10:38	0.45	24.84	8.71	340.3	0.17	385	0.2178	124.9	8.58
Site8	9/22/2008 10:38	0.45	24.83	8.72	340.1	0.17	385	0.2177	125	8.59
Site8	9/22/2008 10:38	0.16	24.85	8.75	340.3	0.17	385	0.2178	125.1	8.59
Site8	9/22/2008 10:39	1.07	24.82	8.74	340.1	0.17	388	0.2177	124.6	8.57
Site8	9/22/2008 10:40	1.96	24.75	8.75	340	0.17	391	0.2176	124.6	8.58
Site8	9/22/2008 10:41	1.96	24.75	8.74	340	0.17	393	0.2176	124.7	8.59
Site8	9/22/2008 10:42	2.98	24.61	8.7	339.8	0.17	396	0.2175	118.4	8.18
Site8	10/16/2008 9:48	0.11	18.41	8.53	376.5	0.19	419	0.2409	96.3	8.68
Site8	10/16/2008 9:49	1.01	18.41	8.58	375.9	0.19	418	0.2406	96.9	8.73
Site8	10/16/2008 9:50	2	18.38	8.6	376.2	0.19	416	0.2407	93.7	8.45
Site8	10/16/2008 9:51	2.07	18.35	8.57	376.3	0.19	418	0.2408	92.9	8.39
Site8	12/8/2008 10:56	0.5	6.59	8.01	377.5		472		93.2	11.13
Site8	12/8/2008 10:57	1	6.59	8.05	377.4		468		93.2	11.12
Site8	12/8/2008 10:58	2	6.58	8.07	377.8		466		93.1	11.11
Site8	12/8/2008 10:59	3	6.58	8.08	377.4		458		93	11.11
Site8	2/9/2009 14:08	2.66	10.65	8.3	393.2	0.2	390	0.2517	100.8	10.73
Site8	2/9/2009 14:08	2.07	10.89	8.31	395.1	0.2	387	0.2529	101	10.69
Site8	2/9/2009 14:08	1.02	10.94	8.32	395.3	0.2	385	0.253	101.2	10.7
Site8	2/9/2009 14:09	0.08	10.99	8.32	395.5	0.2	385	0.2531	102	10.77

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site8	4/15/2009 12:13	0.12	15.12	8.4	414	0.21	414	0.265	101.6	9.76
Site8	4/15/2009 12:13	1.03	15.08	8.38	414	0.21	416	0.265	101.6	9.77
Site8	4/15/2009 12:14	1.99	14.99	8.38	414.2	0.21	417	0.2651	101	9.73
Site8	4/15/2009 12:14	2.76	14.7	8.36	415.6	0.21	418	0.266	98.7	9.56
Site8	4/15/2009 12:15	2.82	14.69	8.34	415.8	0.21	419	0.2661	95.6	9.27
Site8	5/7/2009 14:02	0.09	19.68	8.28	407.7	0.2	395	0.2609	118.3	10.3
Site8	5/7/2009 14:04	1	19.63	8.32	407.7	0.2	393	0.2609	118.6	10.34
Site8	5/7/2009 14:05	2.02	18.72	8.2	407.2	0.2	394	0.2606	102	9.07
Site8	5/7/2009 14:07	2.94	16.85	7.86	427.7	0.21	397	0.2737	67.7	6.24
Site8	5/7/2009 14:08	3.64	16.45	7.75	446.1	0.22	398	0.2855	59.2	5.51
Site8	5/20/2009 12:47	0.08	22.16	8.33	401.5	0.2	401	0.257	109.3	9.18
Site8	5/20/2009 12:49	1.12	22.07	8.35	402.3	0.2	396	0.2575	108.6	9.15
Site8	5/20/2009 12:50	2.07	21.6	8.34	404.9	0.2	396	0.2591	104.8	8.9
Site8	5/20/2009 12:51	3.01	21.4	8.32	406.4	0.2	396	0.2601	101.2	8.63
Site8	5/20/2009 12:53	3.21	21.35	8.34	406.2	0.2	397	0.2599	100.4	8.57
Site8	6/4/2009 13:36	0.11	22.87	8.09	415.7	0.21	470	0.2661	76.4	6.17
Site8	6/4/2009 13:37	1	22.86	8.11	416.2	0.21	470	0.2664	74.7	6.04
Site8	6/4/2009 13:39	2.01	21.81	7.84	417.7	0.21	474	0.2673	40.3	3.33
Site8	6/4/2009 13:39	2	21.28	7.79	417.9	0.21	476	0.2675	38.3	3.19
Site8	6/4/2009 13:40	3.01	20.34	7.6	419.3	0.21	480	0.2684	11.7	1
Site8	6/4/2009 13:41	3.15	20.33	7.6	419.1	0.21	480	0.2682	11.5	0.97
Site8	6/4/2009 13:42	3.11	20.35	7.61	419.2	0.21	479	0.2683	11.1	0.94
Site8	6/25/2009 12:31	0.11	33.01	8.44	403.2	0.2	384	0.258	148	10.13
Site8	6/25/2009 12:33	1.02	32.68	8.47	403.9	0.2	387	0.2585	145.5	10.02
Site8	6/25/2009 12:34	2.3	31.62	8.31	409.3	0.2	390	0.262	101.2	7.1
Site8	6/25/2009 12:34	2.82	29.12	7.68	427	0.21	384	0.2733	4.5	0.33
Site8	7/9/2009 11:36	2.39	27.8	8.5	414.3	0.21	369	0.2652	93.8	7
Site8	7/9/2009 11:37	2.02	27.93	8.55	413.2	0.21	370	0.2644	99	7.37
Site8	7/9/2009 11:38	1.02	27.93	8.55	413	0.21	372	0.2644	100.2	7.47
Site8	7/9/2009 11:39	0	28.04	8.58	104.4	0.04	372	0.0668	101.3	7.54
Site8	7/23/2009 11:44	0.1	28.09	8.36	394.4	0.2	297	0.2524	87.3	6.48
Site8	7/23/2009 11:46	1.02	27.66	8.31	394.6	0.2	300	0.2525	81.2	6.08
Site8	7/23/2009 11:47	1.99	27.3	8.35	393	0.2	301	0.2515	78.4	5.91

Station	Sample Date/Time	Depth	Wtemp	pH	SC	SAL	ORP	TDS	DO%	DO
Site8	7/23/2009 11:48	2.12	27.26	8.34	393.2	0.2	303	0.2516	77.5	5.84
Site8	8/6/2009 12:14	2.47	28.45	8.34	378	0.19	284	0.2419	72.9	5.6
Site8	8/6/2009 12:15	1.99	28.48	8.39	377.9	0.19	283	0.2418	77.3	5.94
Site8	8/6/2009 12:16	0.61	28.55	8.38	378	0.19	282	0.242	76	5.83
Site8	8/6/2009 12:17	0.08	28.56	8.37	8	-0	283	0.0051	77.1	5.92
Site8	8/24/2009 12:52	0.18	27.25	8.53	379.3	0.19	286	0.2428	98	7.42
Site8	8/24/2009 12:53	0.97	27.22	8.54	379.4	0.19	291	0.2428	97.3	7.37
Site8	8/24/2009 12:54	2.08	26.99	8.5	379.5	0.19	297	0.2429	90.9	6.91
Site8	8/24/2009 12:56	2.88	26.78	8.41	380.3	0.19	292	0.2434	74.6	5.69
Site8	9/3/2009 12:08	0.12	23.97	8.14	384.3	0.19	281	0.2459	98.5	7.96
Site8	9/3/2009 12:09	1.04	23.96	8.14	384.9	0.19	281	0.2463	96.9	7.83
Site8	9/3/2009 12:10	2.05	23.79	8.11	385	0.19	282	0.2464	91.9	7.46
Site8	9/3/2009 12:11	2.4	23.74	8.05	385.4	0.19	283	0.2467	86.2	7
Site8	9/17/2009 12:04	0.09	21.89	8.3	386.2	0.19	283	0.2472	92.8	7.69
Site8	9/17/2009 12:05	1.02	21.89	8.27	386.1	0.19	285	0.2471	92.3	7.65
Site8	9/17/2009 12:06	1.99	21.87	8.26	386.2	0.19	286	0.2471	91.8	7.61
Site8	9/17/2009 12:06	2.7	21.8	8.29	386.3	0.19	283	0.2472	90.3	7.5
Site8	9/30/2009 11:31	2.63	21.27	8.28	383.2	0.19	358	0.2453	107.5	9.17
Site8	9/30/2009 11:32	2.03	21.42	8.3	382.8	0.19	358	0.245	108.5	9.23
Site8	9/30/2009 11:34	0.94	21.45	8.3	382.5	0.19	358	0.2448	108.7	9.24
Site8	9/30/2009 11:35	0.14	21.48	8.3	385.2	0.19	358	0.2465	109.1	9.28
Site8	10/19/2009 13:07	2.84	15.65	8.28	379.9	0.19	368	0.2432	106.2	10.12
Site8	10/19/2009 13:08	1.58	15.64	8.28	379.9	0.19	368	0.2431	106.4	10.13
Site8	10/19/2009 13:09	0.97	15.68	8.28	379.8	0.19	368	0.2431	107	10.18
Site8	10/19/2009 13:09	0.15	15.68	8.28	379.9	0.19	368	0.2432	107.1	10.19

Appendix D
Ambient Monitoring Data: Watershed Stations

Draft
Lake Thunderbird TMDL Report

Prepared for
Oklahoma Department of Environmental Quality
Water Quality Division

November 2012
By
Dynamic Solutions, LLC

PLEASE NOTE !

THIS IS A PRELIMINARY DRAFT DOCUMENT THAT HAS BEEN SUBMITTED TO EPA FOR TECHNICAL REVIEW ONLY. IT IS NOT THE DRAFT TMDL THAT WILL BE PROPOSED FOR ADOPTION. CHANGES WILL BE MADE AFTER THE EPA REVIEW. IN THE INTEREST OF FULL TRANSPARENCY, IT IS BEING RELEASED FOR INTERESTED PARTIES TO READ. DEQ IS NOT ACCEPTING COMMENTS ON THIS DOCUMENT AND WILL NOT RESPOND TO QUESTIONS REGARDING ITS CONTENTS. FOLLOWING EPA CONCURRENCE, DEQ WILL RELEASE A REVISED DRAFT TMDL FOR A FULL PUBLIC REVIEW AND COMMENT PROCESS.

Table D-1 OWRB Water Quality Monitoring Stations for Streams in Lake Thunderbird Watershed

Station ID	Site Name	Lat (N)	Long (W)	Description
OK520810-00-0080W	Little River @ 17th	35.32350	-97.49630	Moore urban site on Little River at 17th street bridge
OK520810-00-0140P	West Elm Creek @ 134th	35.33400	-97.38540	Control site on West Elm at 134th street bridge
OK520810-00-0080H	Little River @ 60th	35.27763	-97.35321	Little River site at 60th street bridge
OK520810-00-0090C	Rock Creek @ 72nd	35.26100	-97.33550	Rock Creek site at 72nd Ave bridge
OK520810-00-0030G	Hog Creek @ 119th	35.34957	-97.25816	Hog Creek site upstream of 119th street bridge

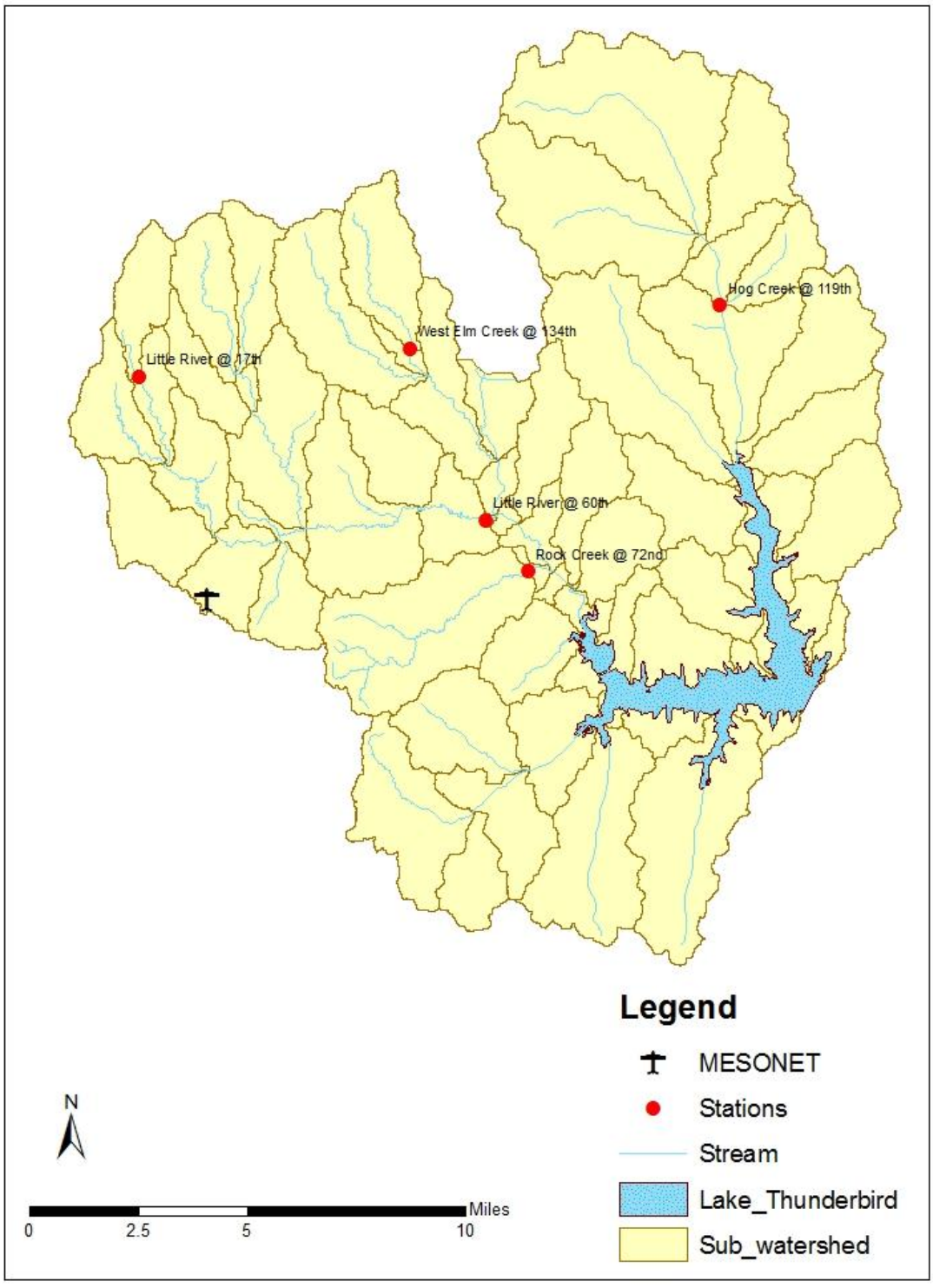

Figure D-1 OWRB Water Quality Monitoring Stations for Streams in Lake Thunderbird Watershed

Station	Date	Time	DO (mg/L)	Wtemp(DegC)	TP (mg/L)	TKN (mg/L)	WQ_sample
Rock	4/22/2008	1415	5.65	19.5	0.048	0.51	Grab
Rock	4/29/2008	1230	6.71	16.0	0.055	0.59	Grab
Rock	5/6/2008	1315	5.92	19.2	0.078	0.54	Grab
Rock	5/14/2008	1300	5.69	18.6	0.136	0.78	Grab
Rock	5/20/2008	1130	4.67	20.7	0.196	1.14	Grab
Rock	5/28/2008	1445	7.26	24.0	0.06	0.63	Grab
Rock	6/3/2008	1245	5.47	25.6	0.1	0.66	composite
Rock	6/10/2008	1345	7.74	22.6	0.84	4.6	composite
Rock	6/18/2008	1300	7.88	24.7	0.358	1.73	composite
Rock	6/23/2008	1215	5.72	24.2	0.11	0.85	composite
Rock	6/30/2008	1245	7.46	23.4	0.054	0.44	composite
Rock	7/7/2008	1100	4.27	25.0	0.212	0.87	composite
Rock	7/14/2008	1300	6.54	25.0	0.171	0.96	composite
Rock	7/23/2008	1100	4.00	25.5	0.158	1	composite
Rock	7/28/2008	1100	3.72	25.1	0.059	0.41	composite
Rock	8/4/2008	1200	4.39	27.1	0.092	0.54	composite
Rock	8/12/2008	1100	6.05	23.8	1.95	9.02	composite
Rock	8/18/2008	1145	5.73	21.6	1.19	4.16	composite
Rock	8/27/2008	1300	5.78	24.8	1.19	4.06	composite
Rock	9/2/2008	1200	4.08	24.7	0.077	0.54	composite
Rock	9/9/2008	1300	5.50	20.6	0.085	0.62	composite
Rock	9/15/2008	1230	7.33	17.7	0.337	2.09	composite
Rock	9/22/2008	1245	6.09	20.1	0.369	1.98	composite
Rock	10/1/2008	1230	8.63	15.2	0.284	1.43	composite
Rock	10/8/2008	1315	5.01	14.8	0.266	1.38	composite
Rock	10/13/2008	1215	3.79	19.7	0.208	1.04	composite
Rock	10/20/2008	1200	5.25	14.7	0.19	0.78	composite
Rock	10/27/2008	1145	6.68	9.1	0.096	0.44	composite
Rock	11/5/2008	1000	2.99	16.0	0.071	0.37	composite
Rock	11/10/2008	1100	6.10	9.5	0.135	0.77	composite
Rock	11/17/2008	1115	7.83	7.0	0.129	0.56	composite
Rock	11/24/2008	1030	8.25	7.2	0.12	0.55	composite
Rock	12/2/2008	1030	10.93	3.3	0.07	0.38	composite
Rock	12/8/2008	1100	9.54	6.9	0.083	0.46	composite
Rock	12/17/2008	1100	11.35	2.1	0.431	2.19	composite
Rock	12/22/2008	1100	11.64	0.8	0.014	0.19	Grab
Rock	12/29/2008	1100	10.06	3.1	0.027	0.27	Grab
Rock	1/7/2009	1100	11.65	1.5	0.016	0.31	Grab
Rock	1/12/2009	1100	11.64	3.2	0.013	0.19	Grab
Rock	1/20/2009	1100	10.66	3.3	0.013	0.12	Grab

Rock	1/29/2009	1200	12.42	0.8	0.017	0.15	Grab
Rock	2/4/2009	1100	12.36	1.4	0.009	0.16	Grab
Rock	2/9/2009	1320	8.00	13.5	0.098	0.61	composite
Rock	2/18/2009	1045	6.96	9.6	0.147	0.88	composite
Rock	2/25/2009	1015	8.02	9.4	0.062	0.38	composite
Rock	3/4/2009	1030	8.70	8.1	0.149	0.78	composite
Rock	3/9/2009	1100	6.20	13.0	0.096	0.47	composite
Rock	3/16/2009	1045	7.34	10.4	0.063	0.37	composite
Rock	3/24/2009	1230	7.10	15.7	0.115	0.48	composite
Rock	3/30/2009	1045	8.33	10.4	0.196	1.19	composite
Rock	4/8/2009	1045	6.83	10.7	0.063	0.53	composite
Rock	4/13/2009	1045	9.10	11.8	0.239	1.45	Grab
Rock	4/20/2009	1015	7.28	11.7	0.317	1.55	composite
Rock	4/27/2009	0930	6.05	19.2			

Station	Date	Time	DO (mg/L)	Temperature (°C)	TP (mg/L)	TKN (mg/L)	WQ_sample
L60	6/10/2008	1300	7.11	22.4	0.324	1.35	Grab
L60	6/18/2008	1200	5.38	24.1	0.291	0.98	Grab
L60	6/23/2008	1115	4.93	27.0	0.122	0.48	Grab
L60	6/30/2008	1150	6.34	27.3	0.085	0.48	Grab
L60	7/7/2008	1015	5.14	28.3	0.074	0.39	Grab
L60	7/14/2008	1215	7.17	26.1	0.123	0.56	Grab
L60	7/23/2008	1000	2.07	29.2	0.09	0.45	Grab
L60	7/28/2008	0940	4.38	27.4	0.116	0.61	composite
L60	8/4/2008	1045	4.65	29.2	0.095	0.53	composite
L60	8/12/2008	1015	5.43	24.4	1.34	5.47	composite
L60	8/18/2008	1030	5.59	23.4	0.9	2.95	composite
L60	8/27/2008	1200	6.84	26.3	1.04	2.79	composite
L60	9/2/2008	1130	4.68	25.4	0.684	1.51	composite
L60	9/9/2008	1130	6.61	22.1	0.168	0.76	composite
L60	9/15/2008	1130	4.06	20.6	0.126	0.61	composite
L60	9/22/2008	1130	7.02	22.2	0.108	0.57	composite
L60	10/1/2008	1115	6.97	18.6	0.097	0.55	composite
L60	10/8/2008	1200	6.49	16.9	0.096	0.54	composite
L60	10/13/2008	1130	5.54	20.4	0.109	0.69	composite
L60	10/20/2008	1100	6.83	15.3	0.101	0.59	composite
L60	10/27/2008	1030	7.60	10.3	0.153	0.72	composite
L60	11/5/2008	0900	5.98	16.2	0.117	0.58	composite
L60	11/10/2008	0945	8.92	10.2	2.32	7.7	composite
L60	11/17/2008	1015	9.76	7.6	0.184	0.86	composite
L60	11/24/2008	0930	11.16	7.1	0.131	0.45	composite

L60	12/2/2008	0930	12.49	4.0	0.07	0.32	composite
L60	12/8/2008	1000	12.80	6.0	0.067	0.34	composite
L60	12/17/2008	1000	13.95	1.7	0.073	0.39	composite
L60	12/22/2008	1000	14.20	0.5	0.029	0.24	composite
L60	12/29/2008	1000	10.20	5.1	0.101	0.66	Grab
L60	1/7/2009	1000	14.59	1.5	0.03	0.32	Grab
L60	1/12/2009	1000	15.33	3.1	0.01	0.21	Grab
L60	1/20/2009	1000	13.30	3.3	0.007	0.16	Grab
L60	1/29/2009	1045	15.22	0.6	0.01	0.2	Grab
L60	2/4/2009	1000	12.43	2.1	0.033	0.65	Grab
L60	2/9/2009	1215	11.09	13.4	0.073	0.95	composite
L60	2/18/2009	0945	10.10	10.0	0.337	2.29	composite
L60	2/25/2009	0930	9.79	10.3	0.123	0.67	composite
L60	3/4/2009	0930	10.92	7.8	0.107	0.59	composite
L60	3/9/2009	1000	7.19	14.4	0.005	0.61	composite
L60	3/16/2009	1000	9.44	11.3	0.091	0.55	composite
L60	3/24/2009	1130	7.14	16.0	0.14	0.65	composite
L60	3/30/2009	1000	9.66	9.7	1.98	7.24	composite
L60	4/8/2009	1000	9.55	10.9	0.268	1.72	composite
L60	4/13/2009	0945	9.38	11.9	0	3.15	composite
L60	4/20/2009	0930	8.53	13.1	0.449	1.94	composite
L60	4/27/2009	0900	6.72	20.0			

Station	Date	Time	DO (mg/L)	Temperature (°C)	TP (mg/L)	TKN (mg/L)	WQ_sample
Hog	4/22/2008	1230	6.80	19.6	0.041	0.55	Grab
Hog	4/29/2008	1015	9.40	15.1	0.024	0.42	Grab
Hog	5/6/2008	1100	7.06	19.0	0.198	1.17	Grab
Hog	5/14/2008	1115	9.06	18.4	0.047	0.49	Grab
Hog	5/20/2008	1000	8.46	20.7	0.263	1.22	Grab
Hog	5/28/2008	1200	7.13	24.8	0.284	1.59	composite
Hog	6/3/2008	1100	7.44	26.0	0.273	1.76	composite
Hog	6/10/2008	1100	7.75	20.6	0.431	2.68	composite
Hog	6/18/2008	1030	7.08	22.8	0.222	1.33	composite
Hog	6/23/2008	1000	6.83	24.2	0.274	1.51	composite
Hog	6/30/2008	1015	6.85	23.9	0.15	1.25	composite
Hog	7/7/2008	0915	6.47	25.4	0.13	0.86	composite
Hog	7/14/2008	1115	7.77	23.6	0.17	1.23	composite
Hog	7/23/2008	0900	2.97	25.2	0.151	1.24	composite
Hog	7/28/2008	0845	7.01	24.1	0.105	0.8	composite
Hog	8/4/2008	1000	3.68	24.3	0.071	0.7	composite
Hog	8/12/2008	0900	6.43	23.2	0.398	1.96	composite

Hog	8/18/2008	0930	6.95	22.1	0.55	2.59	composite
Hog	8/27/2008	1045	7.23	24.6	0.337	1.33	composite
Hog	9/2/2008	1000	6.81	24.9	0.237	1.24	composite
Hog	9/9/2008	1015	7.12	21.2	0.146	1	composite
Hog	9/15/2008	1030	4.53	17.8	0.125	0.95	composite
Hog	9/22/2008	1030	7.64	20.9	0.102	0.82	composite
Hog	10/1/2008	1000	7.64	15.7	0.104	0.85	composite
Hog	10/8/2008	1045	7.67	14.6	0.084	0.64	composite
Hog	10/13/2008	1015	6.51	19.7	0.053	0.5	composite
Hog	10/20/2008	1000	7.97	15.1	0.081	0.72	composite
Hog	10/27/2008	0930	9.03	9.8	0.074	0.71	composite
Hog	11/5/2008	0800	8.12	16.4	0.071	0.67	composite
Hog	11/10/2008	0830	10.10	9.6	0.483	2.92	composite
Hog	11/17/2008	0900	10.71	7.3	0.101	0.75	composite
Hog	11/24/2008	0830	10.96	7.1	0.03	0.39	composite
Hog	12/2/2008	0830	12.23	3.6	0.016	0.28	composite
Hog	12/8/2008	0900	11.99	6.9	0.052	0.5	composite
Hog	12/17/2008	0900	13.48	1.8	0.065	0.52	composite
Hog	12/22/2008	0900	13.80	0.3	0.005	0.25	Grab
Hog	12/29/2008	0900	12.35	3.6	0.025	0.46	Grab
Hog	1/7/2009	0900	13.28	1.7	0.009	0.24	Grab
Hog	1/12/2009	0900	13.32	3.7	0.005	0.16	Grab
Hog	1/20/2009	0900	12.46	3.3	0.005	0.15	Grab
Hog	1/29/2009	0945	14.48	0.9	0.005	0.18	Grab
Hog	2/4/2009	0900	14.04	1.7	0.005	0.19	Grab
Hog	2/9/2009	1115	9.23	13.3	0.088	0.63	composite
Hog	2/18/2009	0845	10.33	9.1	0.167	1.4	composite
Hog	2/25/2009	0830	10.04	9.3	0.059	0.42	composite
Hog	3/4/2009	0830	10.43	6.9	0.094	0.65	composite
Hog	3/9/2009	0900	8.99	12.2	0.009	0.83	composite
Hog	3/16/2009	0900	9.77	9.8	0.042	0.67	composite
Hog	3/24/2009	1000	7.87	14.5	0.194	1.09	composite
Hog	3/30/2009	0900	9.94	9.9	0.253	1.94	composite
Hog	4/8/2009	0845	10.84	8.3	0.105	0.86	composite
Hog	4/13/2009	0845	9.48	10.8	0.473	2.92	composite
Hog	4/20/2009	0830	10.08	10.9	0.434	2.33	composite
Hog	4/27/2009	0800	7.52	18.6			

Station	Date	Time	DO (mg/L)	Temperature (°C)	TP (mg/L)	TKN (mg/L)	WQ_sample
Elm	4/22/2008	1045	8.36	18.3	0.011	0.21	Grab
Elm	4/29/2008	0900	9.02	13.7	0.007	0.13	Grab

Elm	5/6/2008	0900	6.72	17.4	0.052	0.41	Grab
Elm	5/14/2008	1000	8.79	17.2	0.024	0.36	Grab
Elm	5/20/2008	0900	7.82	19.2	0.055	0.61	Grab
Elm	5/28/2008	0945	7.43	21.2	0.027	0.33	composite
Elm	6/3/2008	0900	6.04	23.0	0.038	0.24	composite
Elm	6/10/2008	0915	7.37	19.8	0.496	2.81	composite
Elm	6/18/2008	0830	7.58	21.9	0.255	1.34	composite
Elm	6/23/2008	0800	6.78	22.6	0.051	0.54	composite
Elm	6/30/2008	0815	6.83	20.8	0.039	0.44	composite
Elm	7/7/2008	0800	6.42	23.8	0.027	0.28	composite
Elm	7/14/2008	0915	6.78	21.5	0.07	0.55	composite
Elm	7/23/2008	0730	2.95	24.0	0.045	0.45	composite
Elm	7/28/2008	0720	6.98	23.0	0.039	0.35	composite
Elm	8/4/2008	0800	5.43	23.9	0.035	0.33	composite
Elm	8/12/2008	0800	6.80	23.2	0.775	2.49	composite
Elm	8/18/2008	0800	6.37	21.7	0.303	1.49	composite
Elm	8/27/2008	0915	7.08	22.5	0.348	1.52	composite
Elm	9/2/2008	1330	6.21	25.5	0.03	0.22	composite
Elm	9/9/2008	0845	6.30	20.1	0.031	0.26	composite
Elm	9/15/2008	0830	7.23	16.7	0.029	0.23	composite
Elm	9/22/2008	0900	7.03	18.9	0.015	0.15	composite
Elm	10/1/2008	0845	7.24	14.5	0.053	0.31	composite
Elm	10/8/2008	0915	6.99	13.4	0.007	0.22	composite
Elm	10/13/2008	0800	6.01	19.1	0.018	0.21	composite
Elm	10/20/2008	0800	7.56	13.6	0.021	0.21	composite
Elm	10/27/2008	0800	8.65	8.8	0.007	0.15	composite
Elm	11/5/2008	0630	5.57	15.7	0.01	0.16	composite
Elm	11/10/2008	0700	8.29	9.6	0.4	2.24	composite
Elm	11/17/2008	0715	9.24	6.4	0.024	0.29	composite
Elm	11/24/2008	0700	9.35	7.0	0.014	0.2	composite
Elm	12/2/2008	0700	11.68	3.1	0.006	0.13	composite
Elm	12/8/2008	0715	10.98	6.8	0.064	0.46	composite
Elm	12/17/2008	0730	12.96	1.9	0.047	0.37	composite
Elm	12/22/2008	0730	13.76	0.6	0.006	0.16	Grab
Elm	12/29/2008	0730	12.34	2.5	0.013	0.24	Grab
Elm	1/7/2009	0730	13.33	1.8	0.005	0.15	Grab
Elm	1/12/2009	0730	13.64	3.4	0.005	0.1	Grab
Elm	1/20/2009	0730	12.46	3.7	0.005	0.12	Grab
Elm	1/29/2009	0830	13.60	0.9	0.01	0.13	Grab
Elm	2/4/2009	0730	13.95	1.7	0.005	0.14	Grab
Elm	2/9/2009	0945	9.75	12.1	0.045	0.4	Grab

Elm	2/18/2009	0715	9.53	9.3	0.032	0.4	composite
Elm	2/25/2009	0700	9.16	9.3	0.022	0.17	composite
Elm	3/4/2009	0700	10.22	7.8	0.027	0.22	composite
Elm	3/9/2009	0730	8.11	12.3	0.014	0.24	composite
Elm	3/16/2009	0730	9.29	10.0	0.005	0.19	composite
Elm	3/24/2009	0800	6.87	14.6	0.015	0.21	composite
Elm	3/30/2009	0730	8.50	10.4	0.054	0.54	composite
Elm	4/8/2009	0700	11.30	8.8	0.026	0.4	composite
Elm	4/13/2009	0730	9.88	11.2	0.082	1.07	Grab
Elm	4/20/2009	0700	8.58	11.2	0.059	0.68	composite
Elm	4/27/2009	0645	6.29	19.4			

Station	Date	Time	DO (mg/L)	Temperature (°C)	TP (mg/L)	TKN (mg/L)	WQ_sample
L17	4/22/2008	0845	6.51	20.6			
L17	4/29/2008	0745	7.13	13.8			
L17	5/6/2008	0730	7.74	18.5			
L17	5/14/2008	0730	5.43	17.4			
L17	5/20/2008	0730	4.65	21.8			
L17	5/28/2008	0730	2.51	22.5	0.073	0.78	Composite
L17	6/3/2008	0730	1.88	23.7	0.056	0.73	Composite
L17	6/10/2008	0715	6.28	20.6	0.39	1.4	Composite
L17	6/18/2008	0700	5.74	23.2	0.341	1.65	Composite
L17	6/23/2008	0630	5.54	24.8	0.094	0.88	Composite
L17	6/30/2008	0700	4.62	23.4	0.083	1.12	Composite
L17	7/7/2008	0700	2.07	24.6	0.092	0.99	Composite
L17	7/14/2008	0730	4.40	23.1	0.251	1.47	Composite
L17	7/23/2008	0645	3.03	25.1	0.242	1.56	Composite
L17	7/28/2008	0645	7.14	26.2			
L17	8/4/2008	0700	1.45	24.0			
L17	8/12/2008	0700	4.76	24.5	0.715	2.16	Composite
L17	8/18/2008	0630	4.02	22.1	0.416	2.01	Composite
L17	8/27/2008	0730	5.42	24.9	0.257	1.16	Composite
L17	9/2/2008	0845	5.69	25.0	0.438	1.43	Composite
L17	9/9/2008	0730	5.68	22.5	0.209	1.78	Composite
L17	9/15/2008	0730	5.34	19.0	0.178	1.2	Composite
L17	9/22/2008	0745	4.66	20.5			
L17	10/1/2008	0745	4.34	15.0			
L17	10/8/2008	0800	4.39	14.1	0.341	1.63	Composite
L17	10/13/2008	1315	11.04	22.3			
L17	10/20/2008	1300	15.39	22.1	0.129	0.9	Composite
L17	10/27/2008	1330	14.69	13.6	0.338	1.85	Composite

L17	11/5/2008	1100	9.86	18.7	0.087	0.84	Composite
L17	11/10/2008	1200	10.04	10.7	0.349	1.53	Composite
L17	11/17/2008	1230	10.81	13.4			
L17	11/24/2008	1130	11.37	9.6			
L17	12/2/2008	1130	10.88	6.7			
L17	12/8/2008	1200	11.15	11.0			
L17	12/17/2008	1200	9.07	4.5			
L17	12/22/2008	1200	10.55	2.9			
L17	12/29/2008	1215	7.58	9.2			
L17	1/7/2009	1200	11.55	4.8			
L17	1/12/2009	1200	13.09	6.0			
L17	1/20/2009	1200	13.77	6.6			
L17	1/29/2009	1300	12.81	1.0			
L17	2/4/2009	1200	13.61	5.7			
L17	2/9/2009	0830	9.54	12.0	0.458	3.11	Composite
L17	2/18/2009	1200	15.86	13.9	0.363	2.59	Composite
L17	2/25/2009	1115	12.83	11.7	0.049	0.59	Composite
L17	3/4/2009	1130	14.92	11.0	0.036	0.63	Composite
L17	3/9/2009	1200	12.41	16.2	0.075	0.58	Composite
L17	3/16/2009	1130	13.00	13.4	0.005	0.58	Composite
L17	3/24/2009	1330	7.54	15.9	0	3.13	Composite
L17	3/30/2009	1130	10.55	11.1	0.49	2.79	Composite
L17	4/8/2009	1130	13.08	14.9	0.035	0.64	Composite
L17	4/13/2009	1130	9.62	11.3	0.39	1.62	Composite
L17	4/20/2009	1100	12.92	18.0	0.058	0.76	Composite
L17	4/27/2009	1100	6.62	19.7			

Appendix D
Ambient Monitoring Data: Lake Stations
Water Chemistry

Draft
Lake Thunderbird TMDL Report

Prepared for
Oklahoma Department of Environmental Quality
Water Quality Division

November 2012

By

Dynamic Solutions, LLC

PLEASE NOTE !

THIS IS A PRELIMINARY DRAFT DOCUMENT THAT HAS BEEN SUBMITTED TO EPA FOR TECHNICAL REVIEW ONLY. IT IS NOT THE DRAFT TMDL THAT WILL BE PROPOSED FOR ADOPTION. CHANGES WILL BE MADE AFTER THE EPA REVIEW. IN THE INTEREST OF FULL TRANSPARENCY, IT IS BEING RELEASED FOR INTERESTED PARTIES TO READ. DEQ IS NOT ACCEPTING COMMENTS ON THIS DOCUMENT AND WILL NOT RESPOND TO QUESTIONS REGARDING ITS CONTENTS. FOLLOWING EPA CONCURRENCE, DEQ WILL RELEASE A REVISED DRAFT TMDL FOR A FULL PUBLIC REVIEW AND COMMENT PROCESS.

Table D-5 Water Chemistry Grab Sample Parameters and Units

Parameter	Description	Unit	Detection Limit (DL), <	Missing Data
Depth	Sampling depth	meter		-9
Secchi	Secchi depth	centimeter		-9
Turbidity	Nepholometric Turbidity Units	NTU		-9
True color	Water color (Platinum Cobalt Units)	PCU		-9
TSS	Total suspended solids	mg/L	10	-9
TOC	Total organic carbon	mg/L		-9
DOC	Dissolved organic carbon	mg/L		-9
POC	Particlulate organic carbon	mg/L		-9
Chl-a	Chlorophyll-a	ug/L		-9
NH4	Ammonia-N	mg/L	0.1	-9
NO2	Nitrite-N	mg/L	0.05	-9
NO3	Nitrate-N	mg/L	0.05	-9
TKN	Total Kjeldahl Nitrogen-N	mg/L		-9
ON	Organic nitrogen-N	mg/L		-9
TP	Total phosphorus-P	mg/L		-9
PO4	Total phosphate-P	mg/L	0.05	-9
OP	Organic phosphorus-P	mg/L		-9

Station	Sampling_Date/Time	Depth	Secchi	TURB	Color	TSS	DL_TSS	TOC	DOC	POC	Chla
Site1	02/04/2008 14:33:21	0.1	68	-9	-9	-9		-9	-9	-9	-9
Site1	04/22/2008 09:44:22	0.3	68	16	56	10	<	5.35	-9	-9	5.11
Site1	04/22/2008 09:48:27	3.9	-9	-9	-9	10	<	5.43	-9	-9	-9
Site1	04/22/2008 09:53:25	7.9	-9	-9	-9	10	<	5.41	-9	-9	-9
Site1	04/22/2008 09:58:58	12	-9	-9	-9	10	<	5.41	-9	-9	-9
Site1	04/22/2008 10:03:58	17	-9	-9	-9	10	<	5.41	-9	-9	-9
Site1	05/12/2008 12:00:00	0.3	62	11	31	10	<	5.09	-9	-9	5.73
Site1	05/12/2008 12:00:00	4	-9	-9	36	10	<	5.12	-9	-9	-9
Site1	05/12/2008 12:00:00	8	-9	-9	36	10	<	5.14	-9	-9	-9
Site1	05/12/2008 12:00:00	12	-9	-9	42	10	<	5.15	-9	-9	-9
Site1	05/12/2008 12:00:00	15	-9	-9	82	56		5.14	-9	-9	-9
Site1	05/21/2008 11:34:37	0.3	75	9	23	10	<	5.13	4.98	0.15	11.1
Site1	05/21/2008 11:42:42	4.0	-9	-9	29	10	<	5.12	5.04	0.08	-9
Site1	05/21/2008 11:58:38	8.1	-9	-9	38	10	<	4.78	5.01	-9	-9
Site1	05/21/2008 12:01:44	12.1	-9	-9	47	10	<	4.99	4.54	0.45	-9
Site1	05/21/2008 12:05:06	16.0	-9	-9	56	16		5.04	5.21	-9	-9
Site1	06/04/2008 13:10:23	4.1	-9	-9	18	10	<	5.49	-9	-9	-9
Site1	06/04/2008 13:15:23	0.3	90	11	18	10	<	5.47	-9	-9	14.9
Site1	06/04/2008 13:19:10	14.9	-9	-9	67	34		5.18	-9	-9	-9
Site1	06/04/2008 13:22:22	12	-9	-9	77	22		5.03	-9	-9	-9
Site1	06/04/2008 13:29:57	8	-9	-9	18	10	<	5.34	-9	-9	-9
Site1	06/18/2008 09:35:31	0.3	74	10	27	10	<	5.47	-9	-9	16.2
Site1	06/18/2008 09:40:29	4.0	-9	-9	-9	10	<	5.35	-9	-9	-9
Site1	06/18/2008 09:45:10	8.0	-9	-9	-9	10		5.41	-9	-9	-9
Site1	06/18/2008 09:54:23	12.0	-9	-9	-9	13		5.18	-9	-9	-9
Site1	06/18/2008 10:02:46	16.1	-9	-9	-9	64		5.52	-9	-9	-9
Site1	07/09/2008 10:12:13	13.9	-9	-9	-9	68		6.12	5.78	0.34	-9
Site1	07/09/2008 10:15:27	12.0	-9	-9	-9	11		5.5	5.38	0.12	-9
Site1	07/09/2008 10:23:18	8.0	-9	-9	-9	10	<	5.51	5.28	0.23	-9
Site1	07/09/2008 10:31:24	4.0	-9	-9	-9	10	<	5.73	5.33	0.4	-9
Site1	07/09/2008 10:38:55	0.3	84	9	12	10	<	5.9	5.52	0.38	21.9
Site1	07/21/2008 11:03:38	0.3	75	7	12	13		6.69	-9	-9	20.2
Site1	07/21/2008 11:09:25	4.0	-9	-9	-9	10		6.55	-9	-9	-9
Site1	07/21/2008 11:17:00	8.1	-9	-9	-9	10	<	5.58	-9	-9	-9
Site1	07/21/2008 11:21:36	12.0	-9	-9	-9	13		5.93	-9	-9	-9
Site1	07/21/2008 11:23:50	14.0	-9	-9	-9	13		6.16	-9	-9	-9
Site1	08/04/2008 10:47:45	0.3	58	6	9	10	<	6.69	-9	-9	30.7
Site1	08/04/2008 10:54:18	4.0	-9	-9	-9	10	<	6.59	-9	-9	-9
Site1	08/04/2008 10:59:54	8.0	-9	-9	-9	10	<	5.67	-9	-9	-9
Site1	08/04/2008 11:05:05	12.0	-9	-9	-9	10		5.89	-9	-9	-9

Site1	08/04/2008 11:12:45	16.1	-9	-9	-9	10	<	6.62	-9	-9	-9
Site1	08/18/2008 10:05:21	0.3	74	6	11	10	<	5.72	5.29	0.43	-9
Site1	08/18/2008 10:10:11	4.0	-9	-9	-9	10	<	5.69	5.29	0.4	-9
Site1	08/18/2008 10:13:30	8.0	-9	-9	-9	10	<	5.71	5.28	0.43	-9
Site1	08/18/2008 10:18:46	12.1	-9	-9	-9	12		5.92	5.64	0.28	-9
Site1	08/18/2008 10:22:57	16.0	-9	-9	-9	10		6.54	6.02	0.52	-9
Site1	09/02/2008 11:59:19	0.3	51	6	23	10	<	5.89	-9	-9	52.3
Site1	09/02/2008 12:00:00	15.5	-9	-9	-9	10	<	7.14	-9	-9	-9
Site1	09/02/2008 12:10:38	4.1	-9	-9	-9	10	<	6.01	-9	-9	-9
Site1	09/02/2008 12:23:20	7.9	-9	-9	-9	10	<	5.36	-9	-9	-9
Site1	09/02/2008 12:31:35	12.0	-9	-9	-9	10	<	5.73	-9	-9	-9
Site1	09/22/2008 12:14:10	0.3	70	6	7	10	<	5.93	-9	-9	34.9
Site1	09/22/2008 12:20:18	4.0	-9	-9	-9	10		5.7	-9	-9	-9
Site1	09/22/2008 12:26:22	8.1	-9	-9	-9	10	<	5.56	-9	-9	-9
Site1	09/22/2008 12:35:16	12.1	-9	-9	-9	12		5.4	-9	-9	-9
Site1	09/22/2008 12:40:06	15.9	-9	-9	-9	18		5.94	-9	-9	-9
Site1	10/16/2008 11:05:04	0.3	61	17	20	15		5.35	5.09	0.26	19.8
Site1	10/16/2008 11:11:13	4.09	-9	-9	-9	14		5.3	5.11	0.19	-9
Site1	10/16/2008 11:17:03	8.04	-9	-9	-9	15		5.33	5.1	0.23	-9
Site1	10/16/2008 11:53:39	12.09	-9	-9	-9	20		5.28	5.06	0.22	-9
Site1	10/16/2008 11:57:56	16.04	-9	-9	-9	20		5.29	5.09	0.2	-9
Site1	12/08/2008 12:34:19	0.3	73	15	31	10	<	5.61	-9	-9	####
Site1	12/08/2008 12:40:07	4	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	12/08/2008 12:46:48	8	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	12/08/2008 13:09:55	12	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	12/08/2008 13:13:44	15	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	02/09/2009 11:07:44	16.38	-9	-9	-9	11		4.86	-9	-9	-9
Site1	02/09/2009 11:25:07	11.99	-9	-9	-9	10		4.9	-9	-9	-9
Site1	02/09/2009 11:27:25	7.96	-9	-9	-9	10	<	4.94	-9	-9	-9
Site1	02/09/2009 11:29:15	4.08	-9	-9	-9	10		4.99	-9	-9	-9
Site1	02/09/2009 11:31:34	0.13	52	15	56	11		4.93	-9	-9	7.67
Site1	04/15/2009 09:10:44	0.16	71	17	49	16		5.13	-9	-9	9.57
Site1	04/15/2009 09:14:14	16.58	-9	-9	-9	27		-9	-9	-9	-9
Site1	04/15/2009 09:20:11	11.87	-9	-9	-9	19		-9	-9	-9	-9
Site1	04/15/2009 09:24:11	8.05	-9	-9	-9	19		-9	-9	-9	-9
Site1	04/15/2009 09:27:58	3.97	-9	-9	-9	14		-9	-9	-9	-9
Site1	05/07/2009 10:28:30	0.1	109	6	25	10	<	5.07	-9	-9	4.64
Site1	05/07/2009 10:34:13	4	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	05/07/2009 10:38:08	7.99	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	05/07/2009 10:42:38	12	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	05/07/2009 10:57:14	16.52	-9	-9	-9	10	<	-9	-9	-9	-9

Site1	05/20/2009 09:09:45	0.1	95	6	16	10	<	5.09	-9	-9	13.7
Site1	05/20/2009 09:12:57	16.77	-9	-9	-9	16		-9	-9	-9	-9
Site1	05/20/2009 09:24:05	12.06	-9	-9	-9	13		-9	-9	-9	-9
Site1	05/20/2009 09:32:01	8.02	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	05/20/2009 09:38:14	4	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	06/04/2009 09:43:39	14.81	-9	-9	-9	14		-9	-9	-9	-9
Site1	06/04/2009 09:46:12	12.07	-9	-9	-9	12		-9	-9	-9	-9
Site1	06/04/2009 09:51:56	7.99	-9	-9	-9	10		-9	-9	-9	-9
Site1	06/04/2009 09:55:58	4	-9	-9	-9	10		-9	-9	-9	-9
Site1	06/04/2009 10:00:12	0.14	98	6	-9	10		6.21	-9	-9	22
Site1	06/25/2009 09:23:46	16.38	-9	-9	-9	11		-9	-9	-9	-9
Site1	06/25/2009 09:28:51	12	-9	-9	-9	11		-9	-9	-9	-9
Site1	06/25/2009 09:34:12	8.02	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	06/25/2009 09:39:44	3.95	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	06/25/2009 09:43:27	0.12	110	5	14	10	<	6.41	-9	-9	9.28
Site1	07/09/2009 08:45:48	16.05	-9	-9	-9	10		-9	-9	-9	-9
Site1	07/09/2009 08:52:15	11.87	-9	-9	-9	13		-9	-9	-9	-9
Site1	07/09/2009 08:56:16	8.01	-9	-9	-9	10		-9	-9	-9	-9
Site1	07/09/2009 09:02:09	3.99	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	07/09/2009 09:07:15	0.1	95	3.9	12	10	<	5.61	-9	-9	13.9
Site1	07/23/2009 08:56:39	0.11	70	8	14	11		5.76	-9	-9	38
Site1	07/23/2009 08:59:20	16.01	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	07/23/2009 09:03:48	11.96	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	07/23/2009 09:07:50	8.01	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	07/23/2009 09:11:55	3.93	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	08/06/2009 09:53:38	16.54	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	08/06/2009 10:00:07	12.01	-9	-9	-9	11		-9	-9	-9	-9
Site1	08/06/2009 10:04:18	7.8	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	08/06/2009 10:08:11	4	-9	-9	-9	11		-9	-9	-9	-9
Site1	08/06/2009 10:11:50	0.09	58	6	22	10	<	6.81	-9	-9	69.1
Site1	08/24/2009 09:17:54	0.1	38	7	34	12		7.33	-9	-9	57.9
Site1	08/24/2009 09:20:51	4	-9	-9	-9	12		-9	-9	-9	-9
Site1	08/24/2009 09:25:55	8	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	08/24/2009 09:31:12	12	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	08/24/2009 09:43:24	16.1	-9	-9	-9	29		-9	-9	-9	-9
Site1	09/03/2009 09:20:00	16.05	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	09/03/2009 09:24:50	12.02	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	09/03/2009 09:30:07	8.05	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	09/03/2009 09:34:00	4.03	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	09/03/2009 09:39:04	0.1	95	8	22	10	<	6.13	-9	-9	39.2
Site1	09/17/2009 09:37:08	15.65	-9	-9	-9	17		-9	-9	-9	-9

Site1	09/17/2009 09:40:25	11.96	-9	-9	-9	10		-9	-9	-9	-9
Site1	09/17/2009 09:42:54	8.01	-9	-9	-9	11		-9	-9	-9	-9
Site1	09/17/2009 09:45:52	4.04	-9	-9	-9	40		-9	-9	-9	-9
Site1	09/17/2009 09:49:39	0.05	105	9	14	11		6.01	-9	-9	28
Site1	09/30/2009 10:02:45	16.2	-9	-9	-9	21		-9	-9	-9	-9
Site1	09/30/2009 10:07:21	12.06	-9	-9	-9	11		-9	-9	-9	-9
Site1	09/30/2009 10:11:18	8.05	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	09/30/2009 10:17:13	4.01	-9	-9	-9	10	<	-9	-9	-9	-9
Site1	09/30/2009 10:21:18	0.17	80	13	27	10	<	5.57	-9	-9	22.6
Site1	10/19/2009 09:18:57	16.13	-9	-9	-9	22		-9	-9	-9	-9
Site1	10/19/2009 09:24:19	11.99	-9	-9	-9	14		-9	-9	-9	-9
Site1	10/19/2009 09:29:15	7.99	-9	-9	-9	13		-9	-9	-9	-9
Site1	10/19/2009 09:32:29	4.02	-9	-9	-9	12		-9	-9	-9	-9
Site1	10/19/2009 09:34:25	0.09	51	21	36	10		5.22	-9	-9	12

Station	Sampling_Date/Time	Depth	Secchi	TURB	Color	TSS	DL_TSS	TOC	DOC	POC	Chla
Site2	04/22/2008 12:30:42	0.2	60	18	77	10	<	5.49	-9	-9	4.24
Site2	04/22/2008 12:39:05	12	-9	-9	-9	10	<	5.4	-9	-9	-9
Site2	05/12/2008 12:00:00	-9	60	16	33	10	<	5.2	-9	-9	-9
Site2	05/12/2008 12:00:00	9999	-9	-9	40	11		5.17	-9	-9	-9
Site2	05/21/2008 14:14:33	0.1	79	9	22	10	<	5.37	4.52	0.85	17.4
Site2	05/21/2008 14:23:35	11	-9	-9	51	10	<	4.93	5.16	-9	-9
Site2	06/04/2008 13:47:51	11.2	-9	-9	34	20		5.45	-9	-9	-9
Site2	06/04/2008 14:55:36	0.1	50	15	23	10		5.5	-9	-9	0.16
Site2	06/18/2008 11:23:50	0.1	82	13	27	10		5.66	-9	-9	13.4
Site2	06/18/2008 11:38:22	11.1	-9	-9	-9	15		5.3	-9	-9	-9
Site2	07/09/2008 12:13:23	11.9	-9	-9	-9	15		5.9	5.6	0.3	-9
Site2	07/09/2008 12:28:45	0.11	71	7	11	10	<	5.77	5.47	0.3	21.7
Site2	07/21/2008 10:23:56	0.15	60	7	11	11		6.54	-9	-9	30.7
Site2	07/21/2008 10:36:16	10	-9	-9	-9	17		5.86	-9	-9	-9
Site2	08/04/2008 09:56:12	0.5	68	6	9	10	<	6.41	-9	-9	26.4
Site2	08/04/2008 10:19:10	11.0	-9	-9	-9	10	<	5.75	-9	-9	-9
Site2	08/18/2008 09:27:35	0.1	84	6	11	10	<	6.01	5.66	0.35	39.2
Site2	08/18/2008 09:44:34	11.1	-9	-9	-9	10		6	5.47	0.53	-9
Site2	09/02/2008 11:03:40	0.2	52	7	27	10	<	6.43	-9	-9	58.8
Site2	09/02/2008 11:25:23	11.0	-9	-9	-9	10	<	5.95	-9	-9	-9
Site2	09/22/2008 11:30:28	0.1	90	5	11	10	<	5.95	-9	-9	51.3
Site2	09/22/2008 11:54:11	11.0	-9	-9	-9	10	<	5.9	-9	-9	-9
Site2	10/16/2008 10:29:47	0.08	40	15	25	16		5.35	5.19	0.16	24.4
Site2	10/16/2008 10:41:42	11.29	-9	-9	-9	17		5.43	5.17	0.26	-9
Site2	12/08/2008 11:42:48	0.1	44	16	33	16		5.42	-9	-9	6.56

Site2	12/08/2008 11:52:36	11	-9	-9	-9	12		5.27	-9	-9	-9
Site2	02/09/2009 10:14:21	0.05	58	16	56	10		4.94	-9	-9	6.57
Site2	04/15/2009 11:47:06	0.03	70	16	47	16		5	-9	-9	6.94
Site2	05/07/2009 13:28:26	0.12	130	6	16	5		5.19	-9	-9	6.87
Site2	05/20/2009 11:44:19	-0.04	92	7	14	5		5.72	-9	-9	17.5
Site2	06/04/2009 12:34:42	-0.03	91	7	-9	-9		-9	-9	-9	27.3
Site2	06/25/2009 11:32:43	0.15	113	6	-9	-9		-9	-9	-9	6.74
Site2	07/09/2009 11:08:35	-0.01	87	7.1	-9	-9		-9	-9	-9	20
Site2	07/23/2009 11:01:17	0.14	69	7	-9	-9		-9	-9	-9	43.6
Site2	08/06/2009 11:50:25	0.12	51	8	-9	-9		-9	-9	-9	60.5
Site2	08/24/2009 12:14:55	0.12	58	7	-9	-9		-9	-9	-9	64.2
Site2	09/03/2009 11:26:16	0.1	73	23	-9	-9		-9	-9	-9	49.4
Site2	09/17/2009 11:36:04	0.07	79	21	-9	-9		-9	-9	-9	30.2
Site2	09/30/2009 10:52:51	0.1	64	26	-9	-9		-9	-9	-9	21.8
Site2	10/19/2009 12:37:45	0.11	53	20	-9	-9		-9	-9	-9	14.1

Station	Sampling_Date/Time	Depth	Secchi	TURB	Color	TSS	DL_TSS	TOC	DOC	POC	Chla
Site3	04/22/2008 12:51:17	0.3	50	23	-9	-9		-9	-9	-9	6.9
Site3	05/12/2008 12:00:00	-9	52	9	-9	-9		-9	-9	-9	12.9
Site3	05/21/2008 14:43:23	0.1	69	14	-9	-9		-9	-9	-9	12.2
Site3	06/04/2008 14:08:57	0.2	36	24	-9	-9		-9	-9	-9	22.7
Site3	06/18/2008 11:01:35	0.15	74	12	-9	-9		-9	-9	-9	16.8
Site3	07/09/2008 11:48:51	0.11	60	10	-9	-9		-9	-9	-9	22.9
Site3	07/21/2008 09:59:38	0.12	51	14	-9	-9		-9	-9	-9	27.1
Site3	08/04/2008 09:32:34	0.08	-9	10	-9	-9		-9	-9	-9	27.8
Site3	08/18/2008 09:05:29	0.1	52	12	-9	-9		-9	-9	-9	51.9
Site3	09/02/2008 10:33:19	0.1	51	11	-9	-9		-9	-9	-9	56.9
Site3	09/22/2008 10:58:12	1.0	51	9	-9	-9		-9	-9	-9	42.5
Site3	10/16/2008 10:05:32	0.14	54	12	-9	-9		-9	-9	-9	46
Site3	12/08/2008 11:13:24	0.5	72	16	-9	-9		-9	-9	-9	8.75
Site3	02/09/2009 13:57:36	0.07	-9	23	-9	-9		-9	-9	-9	10.2
Site3	04/15/2009 11:57:33	0.08	72	16	-9	-9		-9	-9	-9	6.54
Site3	05/07/2009 13:41:57	0.04	95	9	-9	-9		-9	-9	-9	14.7
Site3	05/20/2009 12:20:55	0.15	101	6	-9	-9		-9	-9	-9	16
Site3	06/04/2009 13:11:22	0.36	100	7	-9	-9		-9	-9	-9	17.2
Site3	06/25/2009 12:04:01	0.11	91	10	-9	-9		-9	-9	-9	9.03
Site3	07/09/2009 11:24:43	0.05	65	6	-9	-9		-9	-9	-9	16.5
Site3	07/23/2009 11:25:54	0.15	45	8	-9	-9		-9	-9	-9	39.4
Site3	08/06/2009 12:06:14	0.97	48	13	-9	-9		-9	-9	-9	56.9
Site3	08/24/2009 12:36:16	0.13	48	20	-9	-9		-9	-9	-9	60.5
Site3	09/03/2009 11:52:40	0.11	42	22	-9	-9		-9	-9	-9	56.9

Site3	09/17/2009 11:46:37	0.08	49	20	-9	-9		-9	-9	-9	29.1
Site3	09/30/2009 11:18:04	0.06	50	33	-9	-9		-9	-9	-9	37.2
Site3	10/19/2009 12:55:38	0.22	49	31	-9	-9		-9	-9	-9	24.4

Station	Sampling_Date/Time	Depth	Secchi	TURB	Color	TSS	DL_TSS	TOC	DOC	POC	Chla
Site4	04/22/2008 12:06:29	0.3	49	23	99	10	<	5.46	-9	-9	5.5
Site4	04/22/2008 12:17:48	10.9	-9	-9	-9	11		5.39	-9	-9	-9
Site4	05/12/2008 12:00:00	-9	63	9	40	10	<	5.26	-9	-9	9.82
Site4	05/12/2008 12:00:00	9999	-9	-9	93	50		5.27	-9	-9	-9
Site4	05/21/2008 13:46:05	0.1	67	12	25	10	<	5.18	5.47	-9	19.2
Site4	05/21/2008 13:55:22	13	-9	-9	71	10	<	5.06	5.05	0.01	-9
Site4	06/04/2008 14:36:21	13.1	-9	-9	78	52		5.21	-9	-9	-9
Site4	06/04/2008 15:41:55	0.1	66	10	23	10	<	5.57	-9	-9	9.73
Site4	06/18/2008 11:52:32	0.2	74	15	25	10		5.42	-9	-9	14.3
Site4	06/18/2008 12:10:22	12.9	-9	-9	-9	23		5.36	-9	-9	-9
Site4	07/09/2008 13:31:50	0.1	72	5	12	10	<	5.77	5.36	0.41	12.8
Site4	07/09/2008 13:43:18	12.9	-9	-9	-9	28		6.69	5.66	1.03	-9
Site4	07/21/2008 11:51:04	0.1	59	6	12	13		6.57	-9	-9	14.5
Site4	07/21/2008 12:04:15	9	-9	-9	-9	20		5.72	-9	-9	-9
Site4	08/04/2008 11:29:22	0.4	69	5	9	10	<	6.39	-9	-9	20.1
Site4	08/04/2008 11:47:40	9.2	-9	-9	-9	14		5.66	-9	-9	-9
Site4	08/18/2008 10:53:35	0.2	84	7	12	10	<	5.82	5.37	0.45	41.3
Site4	08/18/2008 11:05:03	10.1	-9	-9	-9	11		5.95	5.39	0.56	-9
Site4	09/02/2008 13:02:17	0.1	52	6	25	10	<	6.51	-9	-9	59.5
Site4	09/02/2008 13:16:48	10.0	-9	-9	-9	10	<	5.4	-9	-9	-9
Site4	09/22/2008 13:56:59	0.2	59	9	11	10	<	5.93	-9	-9	34.8
Site4	09/22/2008 14:22:31	11.9	-9	-9	-9	11		5.82	-9	-9	-9
Site4	10/16/2008 12:19:44	0.1	43	17	31	18		5.35	5.22	0.13	33.4
Site4	10/16/2008 12:29:22	9.25	-9	-9	-9	17		5.41	5.18	0.23	-9
Site4	12/08/2008 13:34:34	0.5	69	16	34	10		5.34	-9	-9	6.82
Site4	12/08/2008 13:40:52	9	-9	-9	-9	17		5.38	-9	-9	-9
Site4	02/09/2009 12:15:15	0.25	57	19	62	10		4.97	-9	-9	10.7
Site4	04/15/2009 10:22:14	0.12	71	15	36	17		5.02	-9	-9	7.06
Site4	05/07/2009 11:19:32	0.11	138	7	27	5		5	-9	-9	4.21
Site4	05/20/2009 10:00:20	0.14	83	6	16	5		5.19	-9	-9	17.2
Site4	06/04/2009 10:25:47	0.1	93	7	16	5		5.98	-9	-9	22.6
Site4	06/25/2009 10:00:04	0.19	122	5	-9	-9		-9	-9	-9	9.47
Site4	07/09/2009 09:36:56	0.16	81	6.2	-9	-9		-9	-9	-9	19.3
Site4	07/23/2009 09:32:25	0.13	70	6	-9	-9		-9	-9	-9	36.5
Site4	08/06/2009 10:34:46	0.21	64	8	-9	-9		-9	-9	-9	60
Site4	08/24/2009 11:08:50	0.22	47	22	-9	-9		-9	-9	-9	61.4

Site4	09/03/2009 10:01:05	0.15	45	17	-9	-9		-9	-9	-9	55.3
Site4	09/17/2009 10:09:15	12.37	62	20	-9	-9		-9	-9	-9	33.2
Site4	09/30/2009 12:01:00	12.8	70	26	-9	-9		-9	-9	-9	22.8
Site4	10/19/2009 11:52:58	12.56	45	20	-9	-9		-9	-9	-9	14.3

Station	Sampling_Date/Time	Depth	Secchi	TURB	Color	TSS	DL_TSS	TOC	DOC	POC	Chla
Site5	04/22/2008 11:17:20	0.2	29	44	-9	-9		-9	-9	-9	4.37
Site5	05/12/2008 12:00:00	-9	37	12	-9	-9		-9	-9	-9	6.73
Site5	05/21/2008 13:10:18	0.1	59	16	-9	-9		-9	-9	-9	5.94
Site5	06/04/2008 15:06:39	0	59	19	-9	-9		-9	-9	-9	18.4
Site5	06/18/2008 13:28:02	0.14	60	20	-9	-9		-9	-9	-9	14.1
Site5	07/09/2008 13:08:33	0.11	61	6	-9	-9		-9	-9	-9	-9
Site5	07/21/2008 12:48:32	0.13	40	8	-9	-9		-9	-9	-9	15.2
Site5	08/04/2008 12:32:00	0.35	-9	11	-9	-9		-9	-9	-9	30.6
Site5	08/18/2008 11:42:09	0.2	34	32	-9	-9		-9	-9	-9	64.3
Site5	09/02/2008 13:37:57	0.06	30	19	-9	-9		-9	-9	-9	54.5
Site5	09/22/2008 14:46:33	1.08	47	16	-9	-9		-9	-9	-9	39.5
Site5	10/16/2008 13:11:29	0.08	43	16	-9	-9		-9	-9	-9	50.9
Site5	12/08/2008 12:00:00	-9	28	26	-9	-9		-9	-9	-9	9.41
Site5	02/09/2009 13:14:19	0.09	41	59	-9	-9		-9	-9	-9	17.7
Site5	04/15/2009 11:00:00	0.16	69	16	-9	-9		-9	-9	-9	10.3
Site5	05/07/2009 12:28:39	0.11	84	13	-9	-9		-9	-9	-9	8.34
Site5	05/20/2009 10:54:03	0.06	46	21	-9	-9		-9	-9	-9	24.6
Site5	06/04/2009 11:24:33	0.1	45	17	-9	-9		-9	-9	-9	29.1
Site5	06/25/2009 10:39:59	0.1	85	10	-9	-9		-9	-9	-9	13.7
Site5	07/09/2009 10:06:26	0.08	47	17.5	-9	-9		-9	-9	-9	29.5
Site5	07/23/2009 09:55:41	0.1	36	17	-9	-9		-9	-9	-9	38.8
Site5	08/06/2009 10:51:29	0.11	51	9	-9	-9		-9	-9	-9	55.9
Site5	08/24/2009 11:26:13	0.18	38	23	-9	-9		-9	-9	-9	56.9
Site5	09/03/2009 10:22:54	0.11	42	39	-9	-9		-9	-9	-9	-9
Site5	09/17/2009 10:32:23	0.12	36	37	-9	-9		-9	-9	-9	37.8
Site5	09/30/2009 12:50:25	0.07	35	27	-9	-9		-9	-9	-9	36.1
Site5	10/19/2009 11:28:24	0.14	53	28	-9	-9		-9	-9	-9	19.7

Station	Sampling_Date/Time	Depth	Secchi	TURB	Color	TSS	DL_TSS	TOC	DOC	POC	Chla
Site6	04/22/2008 10:50:52	0.3	20	60	-9	25		-9	-9	-9	13.5
Site6	05/12/2008 12:00:00	-9	15	33	137	42		6.28	-9	-9	25.3
Site6	05/21/2008 12:46:45	0.1	23	58	71	16		5.3	5.8	-9	12.6
Site6	06/04/2008 13:33:58	0.1	29	70	58	50		5.91	-9	-9	56.2
Site6	06/18/2008 13:10:28	0.11	7	186	-9	70		6.17	-9	-9	10.5
Site6	07/09/2008 12:48:07	0.08	24	33	-9	37		5.97	5.92	0.05	25
Site6	07/21/2008 13:10:08	0.14	21	44	-9	37		6.15	-9	-9	21.2
Site6	08/04/2008 12:26:35	0.08	16	76	-9	62		5.99	-9	-9	31
Site6	08/18/2008 11:59:19	0.13	5	64	-9	47		5.96	5.65	0.31	54.4
Site6	09/02/2008 14:02:47	0.11	9	38	-9	24		5.7	-9	-9	53.8
Site6	09/22/2008 15:10:55	0.15	14	74	-9	52		6.09	-9	-9	63.7
Site6	10/16/2008 13:32:35	0.12	14	34	-9	33		5.59	5.38	0.21	53.9
Site6	12/08/2008 12:00:00	-9	26	41	-9	35		5.29	-9	-9	13
Site6	02/09/2009 13:25:32	0.12	-9	61	NA	42		4.56	-9	-9	18.2
Site6	04/15/2009 11:09:48	0.09	33	41	-9	-9		-9	-9	-9	15.9
Site6	05/07/2009 12:43:47	0.1	28	37	-9	-9		-9	-9	-9	14.4
Site6	05/20/2009 11:15:19	0.15	19	60	-9	-9		-9	-9	-9	51.1
Site6	06/04/2009 11:47:58	0.08	21	49	-9	-9		-9	-9	-9	32.5
Site6	06/25/2009 11:09:56	0.13	39	21	-9	-9		-9	-9	-9	20.8
Site6	07/09/2009 10:32:00	0.11	11	59.8	110	81		5.74	-9	-9	34.5
Site6	07/23/2009 10:29:32	0.11	20	36	73	33		5.59	-9	-9	41.3
Site6	08/06/2009 11:00:11	0.08	20	85	128	62		5.69	-9	-9	35.6
Site6	08/24/2009 11:53:30	0.13	11	90	130	71		5.62	-9	-9	61.7
Site6	09/03/2009 11:01:15	0.09	18	77	77	55		5.73	-9	-9	70.9
Site6	09/17/2009 10:57:24	0.07	9	72	141	51		5.32	-9	-9	27
Site6	09/30/2009 13:12:29	0.1	14	78	122	60		5.64	-9	-9	44
Site6	10/19/2009 10:46:36	0.09	25	52	89	36		5.28	-9	-9	28.4

Station	Sampling_Date/Time	Depth	Secchi	TURB	Color	TSS	DL_TSS	TOC	DOC	POC	Chla
Site7	04/22/2008 11:42:35	0.1	48	23	-9	-9		-9	-9	-9	6.16
Site7	05/12/2008 12:00:00	-9	53	9	-9	-9		-9	-9	-9	10.4
Site7	05/21/2008 13:29:58	0.1	62	17	-9	-9		-9	-9	-9	17.3
Site7	06/04/2008 15:24:54	0.1	50	28	-9	-9		-9	-9	-9	11.5
Site7	06/18/2008 12:39:06	5.71	74	16	-9	-9		-9	-9	-9	10.4
Site7	07/09/2008 14:00:35	0.09	62	8	-9	-9		-9	-9	-9	21.6
Site7	07/21/2008 12:21:46	0.14	58	9	-9	-9		-9	-9	-9	25.2
Site7	08/04/2008 12:04:34	0.07	-9	9	-9	-9		-9	-9	-9	29.9
Site7	08/18/2008 11:18:43	0.12	38	16	-9	-9		-9	-9	-9	46.2
Site7	09/02/2008 14:29:05	0.18	36	11	-9	-9		-9	-9	-9	73.3
Site7	09/22/2008 15:41:44	1.01	40	14	-9	-9		-9	-9	-9	36.5
Site7	10/16/2008 12:45:33	0.15	54	13	-9	-9		-9	-9	-9	40.3
Site7	12/08/2008 14:02:23	0.5	43	19	-9	-9		-9	-9	-9	7.45
Site7	02/09/2009 12:53:41	4.8	-9	21	-9	-9		-9	-9	-9	11.9
Site7	04/15/2009 10:32:25	0.07	71	13	-9	-9		-9	-9	-9	10.8
Site7	05/07/2009 11:53:32	0.09	-9	-9	-9	-9		-9	-9	-9	17.3
Site7	05/20/2009 10:31:32	0.09	83	9	-9	-9		-9	-9	-9	10.6
Site7	06/04/2009 10:55:48	0.07	81	12	-9	-9		-9	-9	-9	2.91
Site7	06/25/2009 10:28:01	0.02	-9	-9	-9	-9		-9	-9	-9	15

Station	Sampling_Date/Time	Depth	Secchi	TURB	Color	TSS	DL_TSS	TOC	DOC	POC	Chla
Site8	04/22/2008 13:12:00	0.2	31	38	-9	14		5.98	-9	-9	9.43
Site8	05/12/2008 12:00:00	-9	35	13	47	15		6.14	-9	-9	11
Site8	05/21/2008 14:58:53	0.1	39	21	29	10	<	5.33	5.77	-9	12.5
Site8	06/04/2008 16:08:45	0.1	39	32	34	25		5.75	-9	-9	24
Site8	06/18/2008 10:37:18	0.11	40	33	-9	17		6.09	1	1	18.4
Site8	07/09/2008 11:23:39	0.17	42	14.5	-9	20		5.92	5.73	0.19	29.5
Site8	07/21/2008 09:41:17	0.06	34	24	-9	20		5.78	-9	-9	11.7
Site8	08/04/2008 09:09:29	2.9	41	18	-9	15		6.72	-9	-9	21.5
Site8	08/18/2008 08:49:47	0.11	31	42	-9	28		6.76	5.88	0.88	35.1
Site8	09/02/2008 10:09:42	0.1	26	27	-9	15		6.17	-9	-9	46.3
Site8	09/22/2008 10:38:23	0.45	21	38	-9	29		6.45	-9	-9	32.6
Site8	10/16/2008 09:48:43	0.11	36	23	-9	24		5.63	5.48	0.15	42.8
Site8	12/08/2008 10:56:41	0.5	63	17	-9	16		5.37	-9	-9	9.18
Site8	12/08/2008 10:58:19	2	-9	-9	-9	-9		-9	-9	-9	-9
Site8	12/08/2008 10:59:05	3	-9	-9	-9	-9		-9	-9	-9	-9
Site8	02/09/2009 14:08:05	2.66	-9	42	-9	-9		-9	-9	-9	12.7
Site8	04/15/2009 12:13:01	0.12	35	36	-9	-9		-9	-9	-9	7.12
Site8	05/07/2009 14:02:55	0.09	72	14	-9	-9		-9	-9	-9	17.9

Site8	05/20/2009 12:47:55	0.08	53	26	-9	-9		-9	-9	-9	14.9
Site8	06/04/2009 13:36:27	0.11	55	14	-9	-9		-9	-9	-9	14.8
Site8	06/25/2009 12:31:50	0.11	75	5	-9	-9		-9	-9	-9	10.5
Site8	07/09/2009 11:36:56	2.39	26	40.1	23	21		5.76	-9	-9	27.3
Site8	07/23/2009 11:44:31	0.1	18	28	47	31		5.99	-9	-9	37.2
Site8	08/06/2009 12:14:51	2.47	22	56	77	44		5.76	-9	-9	33.1
Site8	08/24/2009 12:52:48	0.18	22	93	102	49		5.97	-9	-9	45.3
Site8	09/03/2009 12:08:57	0.12	25	81	42	35		-9	-9	-9	71.4
Site8	09/17/2009 12:04:11	0.09	28	71	47	27		5.85	-9	-9	48.8
Site8	09/30/2009 11:31:52	2.63	30	36	38	29		5.87	-9	-9	37.4
Site8	10/19/2009 13:07:49	2.84	40	27	31	20		5.3	-9	-9	29.3

Station	Sampling_time	Depth	NH4	DL_NH4	NO2	DL_NO2	NO3	DL_NO3	NO23	TKN	ON	TN
Site1	02/04/2008 14:33:21	0.1	-9		-9		-9		-9	-9	-9	-9
Site1	04/22/2008 09:44:22	0.3	0.1	<	0.05	<	0.23		0.255	0.56	0.46	0.815
Site1	04/22/2008 09:48:27	3.9	0.1	<	0.05	<	0.23		0.255	0.56	0.46	0.815
Site1	04/22/2008 09:53:25	7.9	0.1	<	0.05	<	0.23		0.255	0.55	0.45	0.805
Site1	04/22/2008 09:58:58	12	0.1	<	0.05	<	0.23		0.255	0.54	0.44	0.795
Site1	04/22/2008 10:03:58	17	0.1		0.05	<	0.23		0.255	0.58	0.48	0.835
Site1	05/12/2008 12:00:00	0.3	0.1	<	0.05	<	0.25		0.275	0.5	0.4	0.775
Site1	05/12/2008 12:00:00	4	0.1	<	0.05	<	0.24		0.265	0.49	0.39	0.755
Site1	05/12/2008 12:00:00	8	0.1	<	0.05	<	0.25		0.275	0.51	0.41	0.785
Site1	05/12/2008 12:00:00	12	0.1	<	0.05	<	0.26		0.285	0.66	0.56	0.945
Site1	05/12/2008 12:00:00	15	0.1	<	0.05	<	0.31	<	0.18	0.78	0.68	0.96
Site1	05/21/2008 11:34:37	0.3	0.1	<	0.05	<	0.12		0.145	0.63	0.53	0.775
Site1	05/21/2008 11:42:42	4.0	0.1	<	0.05	<	0.23		0.255	0.52	0.42	0.775
Site1	05/21/2008 11:58:38	8.1	0.1	<	0.05	<	0.3		0.325	0.48	0.38	0.805
Site1	05/21/2008 12:01:44	12.1	0.1	<	0.05	<	0.34		0.365	0.53	0.43	0.895
Site1	05/21/2008 12:05:06	16.0	0.1	<	0.05	<	0.36		0.385	0.58	0.48	0.965
Site1	06/04/2008 13:10:23	4.1	0.1	<	0.05	<	0.05	<	0.05	0.52	0.42	0.57
Site1	06/04/2008 13:15:23	0.3	0.1	<	0.05	<	0.05	<	0.05	0.56	0.46	0.61
Site1	06/04/2008 13:19:10	14.9	0.1	<	0.05	<	0.32		0.345	0.65	0.55	1.02
Site1	06/04/2008 13:22:22	12	0.1	<	0.05	<	0.3		0.325	0.55	0.45	0.875
Site1	06/04/2008 13:29:57	8	0.1	<	0.05	<	0.05	<	0.05	0.52	0.42	0.57
Site1	06/18/2008 09:35:31	0.3	0.1	<	0.05	<	0.05	<	0.05	0.54	0.44	0.59
Site1	06/18/2008 09:40:29	4.0	0.1	<	0.05	<	0.05	<	0.05	0.53	0.43	0.58
Site1	06/18/2008 09:45:10	8.0	0.1	<	0.05	<	0.05	<	0.05	0.44	0.34	0.49
Site1	06/18/2008 09:54:23	12.0	0.1	<	0.05	<	0.17		0.195	0.52	0.42	0.715
Site1	06/18/2008 10:02:46	16.1	0.27		0.06		0.05	<	0.085	1.04	0.77	1.125
Site1	07/09/2008 10:12:13	13.9	0.924		0.05	<	0.05	<	0.05	1.44	0.52	1.49
Site1	07/09/2008 10:15:27	12.0	0.364		0.05	<	0.05	<	0.05	0.83	0.47	0.88
Site1	07/09/2008 10:23:18	8.0	0.1	<	0.05	<	0.05	<	0.05	0.49	0.39	0.54
Site1	07/09/2008 10:31:24	4.0	0.1	<	0.05	<	0.05	<	0.05	0.65	0.55	0.7
Site1	07/09/2008 10:38:55	0.3	0.1	<	0.05	<	0.05	<	0.05	0.73	0.63	0.78
Site1	07/21/2008 11:03:38	0.3	0.1	<	0.05	<	0.05	<	0.05	0.79	0.69	0.84
Site1	07/21/2008 11:09:25	4.0	0.1	<	0.05	<	0.05	<	0.05	0.72	0.62	0.77
Site1	07/21/2008 11:17:00	8.1	0.1	<	0.05	<	0.05	<	0.05	0.54	0.44	0.59
Site1	07/21/2008 11:21:36	12.0	0.294		0.05	<	0.05	<	0.05	0.91	0.62	0.96
Site1	07/21/2008 11:23:50	14.0	0.633		0.05	<	0.05	<	0.05	1.27	0.64	1.32
Site1	08/04/2008 10:47:45	0.3	0.1	<	0.05	<	0.05	<	0.05	0.82	0.72	0.87
Site1	08/04/2008 10:54:18	4.0	0.1	<	0.05	<	0.05	<	0.05	0.76	0.66	0.81
Site1	08/04/2008 10:59:54	8.0	0.117		0.05	<	0.05	<	0.05	0.7	0.58	0.75
Site1	08/04/2008 11:05:05	12.0	0.904		0.05	<	0.05	<	0.05	1.34	0.44	1.39

Site1	08/04/2008 11:12:45	16.1	1.96		0.05	<	0.05	<	0.05	2.31	0.35	2.36
Site1	08/18/2008 10:05:21	0.3	0.1	<	0.05	<	0.05	<	0.05	0.79	0.69	0.84
Site1	08/18/2008 10:10:11	4.0	0.1	<	0.05	<	0.05	<	0.05	0.72	0.62	0.77
Site1	08/18/2008 10:13:30	8.0	0.1	<	0.05	<	0.05	<	0.05	0.74	0.64	0.79
Site1	08/18/2008 10:18:46	12.1	1.12		0.05	<	0.05	<	0.05	1.66	0.54	1.71
Site1	08/18/2008 10:22:57	16.0	1.92		0.05	<	0.05	<	0.05	2.27	0.35	2.32
Site1	09/02/2008 11:59:19	0.3	0.1	<	0.05	<	0.05	<	0.05	0.89	0.79	0.94
Site1	09/02/2008 12:00:00	15.5	3.19		0.05	<	0.05	<	0.05	3.78	0.59	3.83
Site1	09/02/2008 12:10:38	4.1	0.1	<	0.05	<	0.05	<	0.05	0.77	0.67	0.82
Site1	09/02/2008 12:23:20	7.9	0.184		0.05	<	0.05	<	0.05	0.76	0.58	0.81
Site1	09/02/2008 12:31:35	12.0	0.813		0.05	<	0.05	<	0.05	1.34	0.53	1.39
Site1	09/22/2008 12:14:10	0.3	0.1	<	0.05	<	0.08		0.105	0.74	0.64	0.845
Site1	09/22/2008 12:20:18	4.0	0.1	<	0.05	<	0.14		0.165	0.71	0.61	0.875
Site1	09/22/2008 12:26:22	8.1	0.1	<	0.05	<	0.19		0.215	0.69	0.59	0.905
Site1	09/22/2008 12:35:16	12.1	0.149		0.05	<	0.18		0.205	0.84	0.69	1.045
Site1	09/22/2008 12:40:06	15.9	0.58		0.05	<	0.07		0.095	1.43	0.85	1.525
Site1	10/16/2008 11:05:04	0.3	0.1	<	-9		-9		0.28	0.67	0.57	0.95
Site1	10/16/2008 11:11:13	4.09	0.1	<	-9		-9		0.27	0.73	0.63	1
Site1	10/16/2008 11:17:03	8.04	0.1	<	-9		-9		0.28	0.73	0.63	1.01
Site1	10/16/2008 11:53:39	12.09	0.1	<	-9		-9		0.27	0.8	0.7	1.07
Site1	10/16/2008 11:57:56	16.04	0.1	<	-9		-9		0.27	0.8	0.7	1.07
Site1	12/08/2008 12:34:19	0.3	0.1	<	-9		-9		0.36	0.55	0.45	0.91
Site1	12/08/2008 12:40:07	4	0.1	<	-9		-9		0.35	0.54	0.44	0.89
Site1	12/08/2008 12:46:48	8	0.1	<	-9		-9		0.35	0.54	0.44	0.89
Site1	12/08/2008 13:09:55	12	0.1	<	-9		-9		0.36	0.51	0.41	0.87
Site1	12/08/2008 13:13:44	15	0.1	<	-9		-9		0.36	0.49	0.39	0.85
Site1	02/09/2009 11:07:44	16.38	0.1	<	-9		-9		0.34	0.67	0.62	1.01
Site1	02/09/2009 11:25:07	11.99	0.1	<	-9		-9		0.34	0.58	0.53	0.92
Site1	02/09/2009 11:27:25	7.96	0.1	<	-9		-9		0.34	0.61	0.56	0.95
Site1	02/09/2009 11:29:15	4.08	0.1	<	-9		-9		0.34	0.71	0.66	1.05
Site1	02/09/2009 11:31:34	0.13	0.1	<	-9		-9		0.34	0.61	0.56	0.95
Site1	04/15/2009 09:10:44	0.16	0.1	<	-9		-9		0.27	0.53	0.48	0.8
Site1	04/15/2009 09:14:14	16.58	0.1	<	-9		-9		0.28	0.59	0.54	0.87
Site1	04/15/2009 09:20:11	11.87	0.1	<	-9		-9		0.27	0.51	0.46	0.78
Site1	04/15/2009 09:24:11	8.05	0.1	<	-9		-9		0.28	0.51	0.46	0.79
Site1	04/15/2009 09:27:58	3.97	0.1	<	-9		-9		0.28	0.51	0.46	0.79
Site1	05/07/2009 10:28:30	0.1	0.1	<	-9		-9		0.22	0.52	0.47	0.74
Site1	05/07/2009 10:34:13	4	0.1	<	-9		-9		0.25	0.48	0.43	0.73
Site1	05/07/2009 10:38:08	7.99	0.1	<	-9		-9		0.28	0.48	0.43	0.76
Site1	05/07/2009 10:42:38	12	0.1	<	-9		-9		0.23	0.5	0.45	0.73
Site1	05/07/2009 10:57:14	16.52	0.16		-9		-9		0.28	0.26	0.1	0.54

Site1	05/20/2009 09:09:45	0.1	0.1	<	-9		-9		0.15	0.62	0.57	0.77
Site1	05/20/2009 09:12:57	16.77	0.1	<	-9		-9		0.39	0.6	0.55	0.99
Site1	05/20/2009 09:24:05	12.06	0.1	<	-9		-9		0.33	0.57	0.52	0.9
Site1	05/20/2009 09:32:01	8.02	0.1	<	-9		-9		0.24	0.83	0.78	1.07
Site1	05/20/2009 09:38:14	4	0.1	<	-9		-9		0.2	0.53	0.48	0.73
Site1	06/04/2009 09:43:39	14.81	0.13		-9		-9		0.06	0.68	0.55	0.74
Site1	06/04/2009 09:46:12	12.07	0.1	<	-9		-9		0.025	0.51	0.46	0.535
Site1	06/04/2009 09:51:56	7.99	0.1	<	-9		-9		0.025	0.48	0.43	0.505
Site1	06/04/2009 09:55:58	4	0.1	<	-9		-9		0.025	0.64	0.59	0.665
Site1	06/04/2009 10:00:12	0.14	0.1	<	-9		-9		0.025	0.7	0.65	0.725
Site1	06/25/2009 09:23:46	16.38	0.35		-9		-9		0.025	1.03	0.68	1.055
Site1	06/25/2009 09:28:51	12	0.15		-9		-9		0.025	0.72	0.57	0.745
Site1	06/25/2009 09:34:12	8.02	0.1	<	-9		-9		0.025	0.56	0.51	0.585
Site1	06/25/2009 09:39:44	3.95	0.1	<	-9		-9		0.025	0.66	0.61	0.685
Site1	06/25/2009 09:43:27	0.12	0.1	<	-9		-9		0.025	0.72	0.67	0.745
Site1	07/09/2009 08:45:48	16.05	0.5		-9		-9		0.025	1.23	0.73	1.255
Site1	07/09/2009 08:52:15	11.87	0.29		-9		-9		0.025	0.94	0.65	0.965
Site1	07/09/2009 08:56:16	8.01	0.1	<	-9		-9		0.025	0.86	0.81	0.885
Site1	07/09/2009 09:02:09	3.99	0.1	<	-9		-9		0.025	0.73	0.68	0.755
Site1	07/09/2009 09:07:15	0.1	0.1	<	-9		-9		0.025	0.65	0.6	0.675
Site1	07/23/2009 08:56:39	0.11	0.1	<	-9		-9		0.025	0.83	0.78	0.855
Site1	07/23/2009 08:59:20	16.01	0.81		-9		-9		0.025	1.56	0.75	1.585
Site1	07/23/2009 09:03:48	11.96	0.49		-9		-9		0.025	1.17	0.68	1.195
Site1	07/23/2009 09:07:50	8.01	0.1	<	-9		-9		0.025	0.82	0.77	0.845
Site1	07/23/2009 09:11:55	3.93	0.1	<	-9		-9		0.025	0.98	0.93	1.005
Site1	08/06/2009 09:53:38	16.54	1.13		-9		-9		0.025	1.97	0.84	1.995
Site1	08/06/2009 10:00:07	12.01	0.81		-9		-9		0.025	1.56	0.75	1.585
Site1	08/06/2009 10:04:18	7.8	0.05		-9		-9		0.025	0.88	0.83	0.905
Site1	08/06/2009 10:08:11	4	0.99		-9		-9		0.025	0.99	0	1.015
Site1	08/06/2009 10:11:50	0.09	0.1	<	-9		-9		0.025	0.96	0.91	0.985
Site1	08/24/2009 09:17:54	0.1	0.1	<	-9		-9		0.025	1.01	0.96	1.035
Site1	08/24/2009 09:20:51	4	0.1	<	-9		-9		0.025	1	0.95	1.025
Site1	08/24/2009 09:25:55	8	0.1	<	-9		-9		0.047	1.01	0.96	1.057
Site1	08/24/2009 09:31:12	12	1.55		-9		-9		0.025	2.33	0.78	2.355
Site1	08/24/2009 09:43:24	16.1	2.31		-9		-9		0.025	3.28	0.97	3.305
Site1	09/03/2009 09:20:00	16.05	2.52		-9		-9		0.025	3.7	1.18	3.725
Site1	09/03/2009 09:24:50	12.02	1.89		-9		-9		0.025	2.85	0.96	2.875
Site1	09/03/2009 09:30:07	8.05	0.1	<	-9		-9		0.025	0.98	0.93	1.005
Site1	09/03/2009 09:34:00	4.03	0.1	<	-9		-9		0.025	0.89	0.84	0.915
Site1	09/03/2009 09:39:04	0.1	0.1	<	-9		-9		0.025	1	0.95	1.025
Site1	09/17/2009 09:37:08	15.65	3.18		-9		-9		0.025	4.85	1.67	4.875

Site1	09/17/2009 09:40:25	11.96	0.14		-9		-9		0.07	0.86	0.72	0.93
Site1	09/17/2009 09:42:54	8.01	0.14		-9		-9		0.08	0.83	0.69	0.91
Site1	09/17/2009 09:45:52	4.04	0.14		-9		-9		0.07	0.89	0.75	0.96
Site1	09/17/2009 09:49:39	0.05	0.14		-9		-9		0.07	0.84	0.7	0.91
Site1	09/30/2009 10:02:45	16.2	0.2		-9		-9		0.27	1.22	1.02	1.49
Site1	09/30/2009 10:07:21	12.06	0.1	<	-9		-9		0.26	0.85	0.8	1.11
Site1	09/30/2009 10:11:18	8.05	0.1	<	-9		-9		0.26	0.87	0.82	1.13
Site1	09/30/2009 10:17:13	4.01	0.1	<	-9		-9		0.31	0.78	0.73	1.09
Site1	09/30/2009 10:21:18	0.17	0.1	<	-9		-9		0.27	0.92	0.87	1.19
Site1	10/19/2009 09:18:57	16.13	0.1	<	-9		-9		0.43	0.71	0.66	1.14
Site1	10/19/2009 09:24:19	11.99	0.1	<	-9		-9		0.45	0.66	0.61	1.11
Site1	10/19/2009 09:29:15	7.99	0.1	<	-9		-9		0.45	0.65	0.6	1.1
Site1	10/19/2009 09:32:29	4.02	0.1	<	-9		-9		0.45	0.61	0.56	1.06
Site1	10/19/2009 09:34:25	0.09	0.1	<	-9		-9		0.44	0.65	0.6	1.09

Station	Sampling_time	Depth	NH4	DL_NH4	NO2	DL_NO2	NO3	DL_NO3	NO23	TKN	ON	TN
Site2	04/22/2008 12:30:42	0.2	0.1	<	0.05	<	0.22		0.245	0.61	0.51	0.855
Site2	04/22/2008 12:39:05	12	0.1	<	0.05	<	0.22		0.245	0.55	0.45	0.795
Site2	05/12/2008 12:00:00	-9	0.1	<	0.05	<	0.21		0.235	0.6	0.5	0.835
Site2	05/12/2008 12:00:00	9999	0.1	<	0.05	<	0.23		0.255	0.6	0.5	0.855
Site2	05/21/2008 14:14:33	0.1	0.1	<	0.05	<	0.12		0.145	0.57	0.47	0.715
Site2	05/21/2008 14:23:35	11	0.1	<	0.05	<	0.32		0.345	0.53	0.43	0.875
Site2	06/04/2008 13:47:51	11.2	0.1	<	0.05	<	0.05	<	0.05	0.58	0.48	0.63
Site2	06/04/2008 14:55:36	0.1	0.1	<	0.05	<	0.05	<	0.05	0.54	0.44	0.59
Site2	06/18/2008 11:23:50	0.1	0.1	<	0.05	<	0.05	<	0.05	0.55	0.45	0.6
Site2	06/18/2008 11:38:22	11.1	0.1	<	0.05	<	0.16		0.185	0.57	0.47	0.755
Site2	07/09/2008 12:13:23	11.9	0.563		0.05	<	0.05	<	0.05	1.05	0.49	1.1
Site2	07/09/2008 12:28:45	0.11	0.1	<	0.05	<	0.05	<	0.05	0.76	0.66	0.81
Site2	07/21/2008 10:23:56	0.15	0.1	<	0.05	<	0.05	<	0.05	0.78	0.68	0.83
Site2	07/21/2008 10:36:16	10	0.25		0.05	<	0.05	<	0.05	0.82	0.57	0.87
Site2	08/04/2008 09:56:12	0.5	0.1	<	0.05	<	0.05	<	0.05	0.84	0.74	0.89
Site2	08/04/2008 10:19:10	11.0	0.556		0.05	<	0.05	<	0.05	1.14	0.58	1.19
Site2	08/18/2008 09:27:35	0.1	0.1	<	0.05	<	0.05	<	0.05	0.71	0.61	0.76
Site2	08/18/2008 09:44:34	11.1	0.493		0.05	<	0.05	<	0.05	1.18	0.69	1.23
Site2	09/02/2008 11:03:40	0.2	0.1	<	0.05	<	0.05	<	0.05	0.96	0.86	1.01
Site2	09/02/2008 11:25:23	11.0	0.813		0.05	<	0.05	<	0.05	1.33	0.52	1.38
Site2	09/22/2008 11:30:28	0.1	0.1	<	0.05	<	0.05	<	0.05	0.8	0.7	0.85
Site2	09/22/2008 11:54:11	11.0	0.153		0.05	<	0.17		0.195	0.77	0.62	0.965
Site2	10/16/2008 10:29:47	0.08	0.1	<	-9		-9		0.22	0.72	0.62	0.94
Site2	10/16/2008 10:41:42	11.29	0.1	<	-9		-9		0.18	0.74	0.64	0.92
Site2	12/08/2008 11:42:48	0.1	0.1	<	-9		-9		0.34	0.55	0.45	0.89

Site2	12/08/2008 11:52:36	11	0.1	<	-9		-9		0.34	0.51	0.41	0.85
Site2	02/09/2009 10:14:21	0.05	0.05		-9		-9		0.34	1.41	1.36	1.75
Site2	04/15/2009 11:47:06	0.03	0.05		-9		-9		0.27	0.52	0.47	0.79
Site2	05/07/2009 13:28:26	0.12	0.05		-9		-9		0.15	0.76	0.71	0.91
Site2	05/20/2009 11:44:19	-0.04	0.05		-9		-9		0.025	0.62	0.57	0.645
Site2	06/04/2009 12:34:42	-0.03	-9		-9		-9		-9	-9	-9	-9
Site2	06/25/2009 11:32:43	0.15	-9		-9		-9		-9	-9	-9	-9
Site2	07/09/2009 11:08:35	-0.01	-9		-9		-9		-9	-9	-9	-9
Site2	07/23/2009 11:01:17	0.14	-9		-9		-9		-9	-9	-9	-9
Site2	08/06/2009 11:50:25	0.12	-9		-9		-9		-9	-9	-9	-9
Site2	08/24/2009 12:14:55	0.12	-9		-9		-9		-9	-9	-9	-9
Site2	09/03/2009 11:26:16	0.1	-9		-9		-9		-9	-9	-9	-9
Site2	09/17/2009 11:36:04	0.07	-9		-9		-9		-9	-9	-9	-9
Site2	09/30/2009 10:52:51	0.1	-9		-9		-9		-9	-9	-9	-9
Site2	10/19/2009 12:37:45	0.11	-9		-9		-9		-9	-9	-9	-9

Station	Sampling_time	Depth	NH4	DL_NH4	NO2	DL_NO2	NO3	DL_NO3	NO23	TKN	ON	TN
Site3	04/22/2008 12:51:17	0.3	-9		-9		-9		-9	-9	-9	-9
Site3	05/12/2008 12:00:00	-9	-9		-9		-9		-9	-9	-9	-9
Site3	05/21/2008 14:43:23	0.1	-9		-9		-9		-9	-9	-9	-9
Site3	06/04/2008 14:08:57	0.2	-9		-9		-9		-9	-9	-9	-9
Site3	06/18/2008 11:01:35	0.15	-9		-9		-9		-9	-9	-9	-9
Site3	07/09/2008 11:48:51	0.11	-9		-9		-9		-9	-9	-9	-9
Site3	07/21/2008 09:59:38	0.12	-9		-9		-9		-9	-9	-9	-9
Site3	08/04/2008 09:32:34	0.08	-9		-9		-9		-9	-9	-9	-9
Site3	08/18/2008 09:05:29	0.1	-9		-9		-9		-9	-9	-9	-9
Site3	09/02/2008 10:33:19	0.1	-9		-9		-9		-9	-9	-9	-9
Site3	09/22/2008 10:58:12	1.0	-9		-9		-9		-9	-9	-9	-9
Site3	10/16/2008 10:05:32	0.14	-9		-9		-9		-9	-9	-9	-9
Site3	12/08/2008 11:13:24	0.5	-9		-9		-9		-9	-9	-9	-9
Site3	02/09/2009 13:57:36	0.07	-9		-9		-9		-9	-9	-9	-9
Site3	04/15/2009 11:57:33	0.08	-9		-9		-9		-9	-9	-9	-9
Site3	05/07/2009 13:41:57	0.04	-9		-9		-9		-9	-9	-9	-9
Site3	05/20/2009 12:20:55	0.15	-9		-9		-9		-9	-9	-9	-9
Site3	06/04/2009 13:11:22	0.36	-9		-9		-9		-9	-9	-9	-9
Site3	06/25/2009 12:04:01	0.11	-9		-9		-9		-9	-9	-9	-9
Site3	07/09/2009 11:24:43	0.05	-9		-9		-9		-9	-9	-9	-9
Site3	07/23/2009 11:25:54	0.15	-9		-9		-9		-9	-9	-9	-9
Site3	08/06/2009 12:06:14	0.97	-9		-9		-9		-9	-9	-9	-9
Site3	08/24/2009 12:36:16	0.13	-9		-9		-9		-9	-9	-9	-9
Site3	09/03/2009 11:52:40	0.11	-9		-9		-9		-9	-9	-9	-9

Site3	09/17/2009 11:46:37	0.08	-9		-9		-9		-9	-9	-9	-9
Site3	09/30/2009 11:18:04	0.06	-9		-9		-9		-9	-9	-9	-9
Site3	10/19/2009 12:55:38	0.22	-9		-9		-9		-9	-9	-9	-9

Station	Sampling_time	Depth	NH4	DL_NH4	NO2	DL_NO2	NO3	DL_NO3	NO23	TKN	ON	TN
Site4	04/22/2008 12:06:29	0.3	0.1	<	0.05	<	0.22		0.245	0.65	0.55	0.895
Site4	04/22/2008 12:17:48	10.9	0.13		0.05	<	0.23		0.255	0.59	0.46	0.845
Site4	05/12/2008 12:00:00	-9	0.1	<	0.05	<	0.21		0.235	0.53	0.43	0.765
Site4	05/12/2008 12:00:00	9999	0.1	<	0.05	<	0.31		0.335	0.68	0.58	1.015
Site4	05/21/2008 13:46:05	0.1	0.1	<	0.05	<	0.11		0.135	0.61	0.51	0.745
Site4	05/21/2008 13:55:22	13	0.1	<	0.05	<	0.36		0.385	0.6	0.5	0.985
Site4	06/04/2008 14:36:21	13.1	0.1	<	0.05	<	0.29		0.315	0.7	0.6	1.015
Site4	06/04/2008 15:41:55	0.1	0.1	<	0.05	<	0.05	<	0.05	0.56	0.46	0.61
Site4	06/18/2008 11:52:32	0.2	0.1	<	0.05	<	0.05	<	0.05	0.51	0.41	0.56
Site4	06/18/2008 12:10:22	12.9	0.11		0.05	<	0.14		0.165	0.72	0.61	0.885
Site4	07/09/2008 13:31:50	0.1	0.1	<	0.05	<	0.05	<	0.05	0.68	0.58	0.73
Site4	07/09/2008 13:43:18	12.9	0.756		0.05	<	0.05	<	0.05	1.2	0.44	1.25
Site4	07/21/2008 11:51:04	0.1	0.1	<	0.05	<	0.05	<	0.05	0.71	0.61	0.76
Site4	07/21/2008 12:04:15	9	0.25		0.05	<	0.05	<	0.05	0.82	0.57	0.87
Site4	08/04/2008 11:29:22	0.4	0.1	<	0.05	<	0.05	<	0.05	0.79	0.69	0.84
Site4	08/04/2008 11:47:40	9.2	0.339		0.05	<	0.05	<	0.05	1.01	0.67	1.06
Site4	08/18/2008 10:53:35	0.2	0.1	<	0.05	<	0.05	<	0.05	0.77	0.67	0.82
Site4	08/18/2008 11:05:03	10.1	0.363		0.05	<	0.05	<	0.05	1.02	0.66	1.07
Site4	09/02/2008 13:02:17	0.1	0.1	<	0.05	<	0.05	<	0.05	0.96	0.86	1.01
Site4	09/02/2008 13:16:48	10.0	0.366		0.05	<	0.05	<	0.05	0.99	0.62	1.04
Site4	09/22/2008 13:56:59	0.2	0.1	<	0.05	<	0.05	<	0.05	0.76	0.66	0.81
Site4	09/22/2008 14:22:31	11.9	0.218		0.05	<	0.12		0.145	0.86	0.64	1.005
Site4	10/16/2008 12:19:44	0.1	0.1	<	-9		-9		0.13	0.72	0.62	0.85
Site4	10/16/2008 12:29:22	9.25	0.1	<	-9		-9		0.12	0.74	0.64	0.86
Site4	12/08/2008 13:34:34	0.5	0.1	<	-9		-9		0.35	0.54	0.44	0.89
Site4	12/08/2008 13:40:52	9	0.1	<	-9		-9		0.35	0.58	0.48	0.93
Site4	02/09/2009 12:15:15	0.25	0.05		-9		-9		0.34	0.6	0.55	0.94
Site4	04/15/2009 10:22:14	0.12	0.05		-9		-9		#####	0.46	0.41	0.71
Site4	05/07/2009 11:19:32	0.11	0.05		-9		-9		0.24	0.51	0.46	0.75
Site4	05/20/2009 10:00:20	0.14	0.05		-9		-9		0.76	0.15	0.1	0.91
Site4	06/04/2009 10:25:47	0.1	0.05		-9		-9		0.025	0.67	0.62	0.695
Site4	06/25/2009 10:00:04	0.19	-9		-9		-9		-9	-9	-9	-9
Site4	07/09/2009 09:36:56	0.16	-9		-9		-9		-9	-9	-9	-9
Site4	07/23/2009 09:32:25	0.13	-9		-9		-9		-9	-9	-9	-9
Site4	08/06/2009 10:34:46	0.21	-9		-9		-9		-9	-9	-9	-9
Site4	08/24/2009 11:08:50	0.22	-9		-9		-9		-9	-9	-9	-9

Site4	09/03/2009 10:01:05	0.15	-9		-9		-9		-9	-9	-9	-9
Site4	09/17/2009 10:09:15	12.37	-9		-9		-9		-9	-9	-9	-9
Site4	09/30/2009 12:01:00	12.8	-9		-9		-9		-9	-9	-9	-9
Site4	10/19/2009 11:52:58	12.56	-9		-9		-9		-9	-9	-9	-9

Station	Sampling_time	Depth	NH4	DL_NH4	NO2	DL_NO2	NO3	DL_NO3	NO23	TKN	ON	TN
Site5	04/22/2008 11:17:20	0.2	-9		-9		-9		-9	-9	-9	-9
Site5	05/12/2008 12:00:00	-9	-9		-9		-9		-9	-9	-9	-9
Site5	05/21/2008 13:10:18	0.1	-9		-9		-9		-9	-9	-9	-9
Site5	06/04/2008 15:06:39	0	-9		-9		-9		-9	-9	-9	-9
Site5	06/18/2008 13:28:02	0.14	-9		-9		-9		-9	-9	-9	-9
Site5	07/09/2008 13:08:33	0.11	-9		-9		-9		-9	-9	-9	-9
Site5	07/21/2008 12:48:32	0.13	-9		-9		-9		-9	-9	-9	-9
Site5	08/04/2008 12:32:00	0.35	-9		-9		-9		-9	-9	-9	-9
Site5	08/18/2008 11:42:09	0.2	-9		-9		-9		-9	-9	-9	-9
Site5	09/02/2008 13:37:57	0.06	-9		-9		-9		-9	-9	-9	-9
Site5	09/22/2008 14:46:33	1.08	-9		-9		-9		-9	-9	-9	-9
Site5	10/16/2008 13:11:29	0.08	-9		-9		-9		-9	-9	-9	-9
Site5	12/08/2008 12:00:00	-9	-9		-9		-9		-9	-9	-9	-9
Site5	02/09/2009 13:14:19	0.09	-9		-9		-9		-9	-9	-9	-9
Site5	04/15/2009 11:00:00	0.16	-9		-9		-9		-9	-9	-9	-9
Site5	05/07/2009 12:28:39	0.11	-9		-9		-9		-9	-9	-9	-9
Site5	05/20/2009 10:54:03	0.06	-9		-9		-9		-9	-9	-9	-9
Site5	06/04/2009 11:24:33	0.1	-9		-9		-9		-9	-9	-9	-9
Site5	06/25/2009 10:39:59	0.1	-9		-9		-9		-9	-9	-9	-9
Site5	07/09/2009 10:06:26	0.08	-9		-9		-9		-9	-9	-9	-9
Site5	07/23/2009 09:55:41	0.1	-9		-9		-9		-9	-9	-9	-9
Site5	08/06/2009 10:51:29	0.11	-9		-9		-9		-9	-9	-9	-9
Site5	08/24/2009 11:26:13	0.18	-9		-9		-9		-9	-9	-9	-9
Site5	09/03/2009 10:22:54	0.11	-9		-9		-9		-9	-9	-9	-9
Site5	09/17/2009 10:32:23	0.12	-9		-9		-9		-9	-9	-9	-9
Site5	09/30/2009 12:50:25	0.07	-9		-9		-9		-9	-9	-9	-9
Site5	10/19/2009 11:28:24	0.14	-9		-9		-9		-9	-9	-9	-9

Station	Sampling_time	Depth	NH4	DL_NH4	NO2	DL_NO2	NO3	DL_NO3	NO23	TKN	ON	TN
Site6	04/22/2008 10:50:52	0.3	0.15		0.07		0.25		0.32	0.84	0.69	1.16
Site6	05/12/2008 12:00:00	-9	0.1	<	0.06		0.19		0.25	0.89	0.79	1.14
Site6	05/21/2008 12:46:45	0.1	0.1	<	0.05		0.17		0.221	0.73	0.63	0.951
Site6	06/04/2008 13:33:58	0.1	0.1	<	0.05	<	0.05	<	0.05	0.8	0.7	0.85
Site6	06/18/2008 13:10:28	0.11	0.12		0.11		0.11		0.22	0.82	0.7	1.04

Site6	07/09/2008 12:48:07	0.08	0.1	<	0.05	<	0.05	<	0.05	0.84	0.74	0.89
Site6	07/21/2008 13:10:08	0.14	0.1	<	0.05	<	0.05	<	0.05	0.93	0.83	0.98
Site6	08/04/2008 12:26:35	0.08	0.109		0.05	<	0.05	<	0.05	0.95	0.84	1
Site6	08/18/2008 11:59:19	0.13	0.1	<	0.05	<	0.05	<	0.05	1	0.9	1.05
Site6	09/02/2008 14:02:47	0.11	0.1	<	0.05	<	0.05	<	0.05	1	0.9	1.05
Site6	09/22/2008 15:10:55	0.15	0.1	<	0.05	<	0.05	<	0.05	1.03	0.93	1.08
Site6	10/16/2008 13:32:35	0.12	0.1	<	-9		-9		-9	1.05	0.95	-7.95
Site6	12/08/2008 12:00:00	-9	0.1	<	-9		-9		0.24	0.63	0.53	0.87
Site6	02/09/2009 13:25:32	0.12	0.1	<	-9		-9		0.23	0.63	0.53	0.86
Site6	04/15/2009 11:09:48	0.09	-9		-9		-9		-9	-9	-9	-9
Site6	05/07/2009 12:43:47	0.1	-9		-9		-9		-9	-9	-9	-9
Site6	05/20/2009 11:15:19	0.15	-9		-9		-9		-9	-9	-9	-9
Site6	06/04/2009 11:47:58	0.08	-9		-9		-9		-9	-9	-9	-9
Site6	06/25/2009 11:09:56	0.13	-9		-9		-9		-9	-9	-9	-9
Site6	07/09/2009 10:32:00	0.11	0.05		-9		-9		0.025	1.09	1.04	1.115
Site6	07/23/2009 10:29:32	0.11	0.05		-9		-9		0.025	1.02	0.97	1.045
Site6	08/06/2009 11:00:11	0.08	0.05		-9		-9		0.025	1.19	1.14	1.215
Site6	08/24/2009 11:53:30	0.13	0.05		-9		-9		0.025	0.99	0.94	1.015
Site6	09/03/2009 11:01:15	0.09	0.05		-9		-9		0.025	1.15	1.1	1.175
Site6	09/17/2009 10:57:24	0.07	0.15		-9		-9		0.11	0.99	0.84	1.1
Site6	09/30/2009 13:12:29	0.1	0.05		-9		-9		0.025	1.16	1.11	1.185
Site6	10/19/2009 10:46:36	0.09	0.05		-9		-9		0.14	0.9	0.85	1.04

Station	Sampling_time	Depth	NH4	DL_NH4	NO2	DL_NO2	NO3	DL_NO3	NO23	TKN	ON	TN
Site7	04/22/2008 11:42:35	0.1	-9		-9		-9		-9	-9	-9	-9
Site7	05/12/2008 12:00:00	-9	-9		-9		-9		-9	-9	-9	-9
Site7	05/21/2008 13:29:58	0.1	-9		-9		-9		-9	-9	-9	-9
Site7	06/04/2008 15:24:54	0.1	-9		-9		-9		-9	-9	-9	-9
Site7	06/18/2008 12:39:06	5.71	-9		-9		-9		-9	-9	-9	-9
Site7	07/09/2008 14:00:35	0.09	-9		-9		-9		-9	-9	-9	-9
Site7	07/21/2008 12:21:46	0.14	-9		-9		-9		-9	-9	-9	-9
Site7	08/04/2008 12:04:34	0.07	-9		-9		-9		-9	-9	-9	-9
Site7	08/18/2008 11:18:43	0.12	-9		-9		-9		-9	-9	-9	-9
Site7	09/02/2008 14:29:05	0.18	-9		-9		-9		-9	-9	-9	-9
Site7	09/22/2008 15:41:44	1.01	-9		-9		-9		-9	-9	-9	-9
Site7	10/16/2008 12:45:33	0.15	-9		-9		-9		-9	-9	-9	-9
Site7	12/08/2008 14:02:23	0.5	-9		-9		-9		-9	-9	-9	-9
Site7	02/09/2009 12:53:41	4.8	-9		-9		-9		-9	-9	-9	-9
Site7	04/15/2009 10:32:25	0.07	-9		-9		-9		-9	-9	-9	-9
Site7	05/07/2009 11:53:32	0.09	-9		-9		-9		-9	-9	-9	-9
Site7	05/20/2009 10:31:32	0.09	-9		-9		-9		-9	-9	-9	-9

Site7	06/04/2009 10:55:48	0.07	-9		-9		-9		-9	-9	-9	-9
Site7	06/25/2009 10:28:01	0.02	-9		-9		-9		-9	-9	-9	-9

Station	Sampling_time	Depth	NH4	DL_NH4	NO2	DL_NO2	NO3	DL_NO3	NO23	TKN	ON	TN
Site8	04/22/2008 13:12:00	0.2	0.1	<	0.05	<	0.2		0.225	0.66	0.56	0.885
Site8	05/12/2008 12:00:00	-9	0.1	<	0.05	<	0.13		0.155	0.65	0.55	0.805
Site8	05/21/2008 14:58:53	0.1	0.1	<	0.05	<	0.08		0.105	0.67	0.57	0.775
Site8	06/04/2008 16:08:45	0.1	0.1	<	0.05	<	0.05	<	0.05	0.41	0.31	0.46
Site8	06/18/2008 10:37:18	0.11	0.1	<	0.05	<	0.05	<	0.05	0.68	0.58	0.73
Site8	07/09/2008 11:23:39	0.17	0.1	<	0.05	<	0.05	<	0.05	0.76	0.66	0.81
Site8	07/21/2008 09:41:17	0.06	0.1	<	0.05	<	0.05	<	0.05	0.77	0.67	0.82
Site8	08/04/2008 09:09:29	2.9	0.1	<	0.05	<	0.05	<	0.05	0.82	0.72	0.87
Site8	08/18/2008 08:49:47	0.11	0.1	<	0.05	<	0.05	<	0.05	0.87	0.77	0.92
Site8	09/02/2008 10:09:42	0.1	0.1	<	0.05	<	0.05	<	0.05	0.99	0.89	1.04
Site8	09/22/2008 10:38:23	0.45	0.1	<	0.05	<	0.05	<	0.05	0.87	0.77	0.92
Site8	10/16/2008 09:48:43	0.11	0.1	<	-9		-9		-9	0.93	0.83	-8.07
Site8	12/08/2008 10:56:41	0.5	0.1	<	-9		-9		0.27	0.56	0.46	0.83
Site8	12/08/2008 10:58:19	2	-9		-9		-9		-9	-9	-9	-9
Site8	12/08/2008 10:59:05	3	-9		-9		-9		-9	-9	-9	-9
Site8	02/09/2009 14:08:05	2.66	-9		-9		-9		-9	-9	-9	-9
Site8	04/15/2009 12:13:01	0.12	-9		-9		-9		-9	-9	-9	-9
Site8	05/07/2009 14:02:55	0.09	-9		-9		-9		-9	-9	-9	-9
Site8	05/20/2009 12:47:55	0.08	-9		-9		-9		-9	-9	-9	-9
Site8	06/04/2009 13:36:27	0.11	-9		-9		-9		-9	-9	-9	-9
Site8	06/25/2009 12:31:50	0.11	-9		-9		-9		-9	-9	-9	-9
Site8	07/09/2009 11:36:56	2.39	0.05		-9		-9		0.025	0.83	0.78	0.855
Site8	07/23/2009 11:44:31	0.1	0.05		-9		-9		0.025	1	0.95	1.025
Site8	08/06/2009 12:14:51	2.47	0.05		-9		-9		0.025	1.14	1.09	1.165
Site8	08/24/2009 12:52:48	0.18	0.05		-9		-9		0.025	1.43	1.38	1.455
Site8	09/03/2009 12:08:57	0.12	0.05		-9		-9		0.05	1.07	1.02	1.12
Site8	09/17/2009 12:04:11	0.09	0.17		-9		-9		0.08	0.9	0.73	0.98
Site8	09/30/2009 11:31:52	2.63	0.05		-9		-9		0.025	1.11	1.06	1.135
Site8	10/19/2009 13:07:49	2.84	0.05		-9		-9		0.17	0.74	0.69	0.91

Station	Sampling_time	Depth	TP	PO4	DL_PO4	OP
Site1	02/04/2008 14:33:21	0.1	-9	-9		-9
Site1	04/22/2008 09:44:22	0.3	0.029	0.021		0.008
Site1	04/22/2008 09:48:27	3.9	0.025	0.021		0.004
Site1	04/22/2008 09:53:25	7.9	0.03	0.022		0.008
Site1	04/22/2008 09:58:58	12	0.029	0.023		0.006
Site1	04/22/2008 10:03:58	17	0.032	0.024		0.008
Site1	05/12/2008 12:00:00	0.3	0.028	0.01		0.018
Site1	05/12/2008 12:00:00	4	0.03	0.012		0.018
Site1	05/12/2008 12:00:00	8	0.028	0.01		0.018
Site1	05/12/2008 12:00:00	12	0.034	0.014		0.02
Site1	05/12/2008 12:00:00	15	0.089	0.03		0.059
Site1	05/21/2008 11:34:37	0.3	0.031	0.006		0.025
Site1	05/21/2008 11:42:42	4.0	0.026	0.006		0.02
Site1	05/21/2008 11:58:38	8.1	0.028	0.01		0.018
Site1	05/21/2008 12:01:44	12.1	0.044	0.02		0.024
Site1	05/21/2008 12:05:06	16.0	0.053	0.03		0.023
Site1	06/04/2008 13:10:23	4.1	0.026	0.005	<	0.024
Site1	06/04/2008 13:15:23	0.3	0.025	0.005	<	0.023
Site1	06/04/2008 13:19:10	14.9	0.076	0.038		0.038
Site1	06/04/2008 13:22:22	12	0.043	0.018		0.025
Site1	06/04/2008 13:29:57	8	0.025	0.005	<	0.023
Site1	06/18/2008 09:35:31	0.3	0.03	0.005		0.025
Site1	06/18/2008 09:40:29	4.0	0.031	0.006		0.025
Site1	06/18/2008 09:45:10	8.0	0.022	0.006		0.016
Site1	06/18/2008 09:54:23	12.0	0.051	0.025		0.026
Site1	06/18/2008 10:02:46	16.1	0.161	0.077		0.084
Site1	07/09/2008 10:12:13	13.9	0.428	0.323		0.105
Site1	07/09/2008 10:15:27	12.0	0.163	0.143		0.02
Site1	07/09/2008 10:23:18	8.0	0.03	0.006		0.024
Site1	07/09/2008 10:31:24	4.0	0.028	0.007		0.021
Site1	07/09/2008 10:38:55	0.3	0.032	0.007		0.025
Site1	07/21/2008 11:03:38	0.3	0.03	0.01		0.02
Site1	07/21/2008 11:09:25	4.0	0.027	0.009		0.018
Site1	07/21/2008 11:17:00	8.1	0.029	0.006		0.023
Site1	07/21/2008 11:21:36	12.0	0.166	0.135		0.031
Site1	07/21/2008 11:23:50	14.0	0.339	0.323		0.016
Site1	08/04/2008 10:47:45	0.3	0.025	0.008		0.017
Site1	08/04/2008 10:54:18	4.0	0.026	0.009		0.017
Site1	08/04/2008 10:59:54	8.0	0.032	0.05	<	0.007
Site1	08/04/2008 11:05:05	12.0	0.257	0.2		0.057

Site1	08/04/2008 11:12:45	16.1	0.526	0.5		0.026
Site1	08/18/2008 10:05:21	0.3	0.025	0.01		0.015
Site1	08/18/2008 10:10:11	4.0	0.031	0.01		0.021
Site1	08/18/2008 10:13:30	8.0	0.031	0.009		0.022
Site1	08/18/2008 10:18:46	12.1	0.285	0.226		0.059
Site1	08/18/2008 10:22:57	16.0	0.444	0.452		-9
Site1	09/02/2008 11:59:19	0.3	0.041	0.013		0.028
Site1	09/02/2008 12:00:00	15.5	0.734	0.671		0.063
Site1	09/02/2008 12:10:38	4.1	0.047	0.013		0.034
Site1	09/02/2008 12:23:20	7.9	0.035	0.008		0.027
Site1	09/02/2008 12:31:35	12.0	0.185	0.13		0.055
Site1	09/22/2008 12:14:10	0.3	0.036	0.008		0.028
Site1	09/22/2008 12:20:18	4.0	0.035	0.006		0.029
Site1	09/22/2008 12:26:22	8.1	0.036	0.01		0.026
Site1	09/22/2008 12:35:16	12.1	0.045	0.017		0.028
Site1	09/22/2008 12:40:06	15.9	0.12	0.045		0.075
Site1	10/16/2008 11:05:04	0.3	0.041	0.023		0.018
Site1	10/16/2008 11:11:13	4.09	0.039	0.021		0.018
Site1	10/16/2008 11:17:03	8.04	0.042	0.022		0.02
Site1	10/16/2008 11:53:39	12.09	0.047	0.023		0.024
Site1	10/16/2008 11:57:56	16.04	0.043	0.024		0.019
Site1	12/08/2008 12:34:19	0.3	0.023	0.027		-9
Site1	12/08/2008 12:40:07	4	0.025	0.029		-9
Site1	12/08/2008 12:46:48	8	0.025	0.026		-9
Site1	12/08/2008 13:09:55	12	0.03	0.028		0.002
Site1	12/08/2008 13:13:44	15	0.029	0.029		0
Site1	02/09/2009 11:07:44	16.38	0.022	0.021		1E-03
Site1	02/09/2009 11:25:07	11.99	0.021	0.021		0
Site1	02/09/2009 11:27:25	7.96	0.022	0.022		0
Site1	02/09/2009 11:29:15	4.08	0.024	0.022		0.002
Site1	02/09/2009 11:31:34	0.13	0.023	0.021		0.002
Site1	04/15/2009 09:10:44	0.16	0.028	0.013		0.015
Site1	04/15/2009 09:14:14	16.58	0.041	0.025		0.016
Site1	04/15/2009 09:20:11	11.87	0.029	0.015		0.014
Site1	04/15/2009 09:24:11	8.05	0.03	0.016		0.014
Site1	04/15/2009 09:27:58	3.97	0.031	0.014		0.017
Site1	05/07/2009 10:28:30	0.1	0.021	0.006		0.015
Site1	05/07/2009 10:34:13	4	0.023	0.011		0.012
Site1	05/07/2009 10:38:08	7.99	0.024	0.014		0.01
Site1	05/07/2009 10:42:38	12	0.03	0.02		0.01
Site1	05/07/2009 10:57:14	16.52	0.07	0.059		0.011

Site1	05/20/2009 09:09:45	0.1	0.03	0.005		0.025
Site1	05/20/2009 09:12:57	16.77	0.06	0.046		0.014
Site1	05/20/2009 09:24:05	12.06	0.042	0.029		0.013
Site1	05/20/2009 09:32:01	8.02	0.026	0.006		0.02
Site1	05/20/2009 09:38:14	4	0.024	0.005	<	0.022
Site1	06/04/2009 09:43:39	14.81	0.063	0.043		0.02
Site1	06/04/2009 09:46:12	12.07	0.036	0.021		0.015
Site1	06/04/2009 09:51:56	7.99	0.024	0.005		0.019
Site1	06/04/2009 09:55:58	4	0.037	0.005		0.032
Site1	06/04/2009 10:00:12	0.14	0.038	0.005		0.033
Site1	06/25/2009 09:23:46	16.38	0.209	0.17		0.039
Site1	06/25/2009 09:28:51	12	0.117	0.07		0.047
Site1	06/25/2009 09:34:12	8.02	0.038	0.01		0.028
Site1	06/25/2009 09:39:44	3.95	0.037	0.005		0.032
Site1	06/25/2009 09:43:27	0.12	0.03	0.006		0.024
Site1	07/09/2009 08:45:48	16.05	0.234	0.216		0.018
Site1	07/09/2009 08:52:15	11.87	0.156	0.143		0.013
Site1	07/09/2009 08:56:16	8.01	0.049	0.022		0.027
Site1	07/09/2009 09:02:09	3.99	0.028	0.007		0.021
Site1	07/09/2009 09:07:15	0.1	0.029	0.008		0.021
Site1	07/23/2009 08:56:39	0.11	0.03	0.01		0.02
Site1	07/23/2009 08:59:20	16.01	0.317	0.298		0.019
Site1	07/23/2009 09:03:48	11.96	0.216	0.169		0.047
Site1	07/23/2009 09:07:50	8.01	0.029	0.009		0.02
Site1	07/23/2009 09:11:55	3.93	0.031	0.009		0.022
Site1	08/06/2009 09:53:38	16.54	0.392	0.359		0.033
Site1	08/06/2009 10:00:07	12.01	0.288	0.267		0.021
Site1	08/06/2009 10:04:18	7.8	0.04	0.009		0.031
Site1	08/06/2009 10:08:11	4	0.034	0.012		0.022
Site1	08/06/2009 10:11:50	0.09	0.033	0.012		0.021
Site1	08/24/2009 09:17:54	0.1	0.044	0.014		0.03
Site1	08/24/2009 09:20:51	4	0.044	0.014		0.03
Site1	08/24/2009 09:25:55	8	0.047	0.015		0.032
Site1	08/24/2009 09:31:12	12	0.347	0.327		0.02
Site1	08/24/2009 09:43:24	16.1	0.606	0.508		0.098
Site1	09/03/2009 09:20:00	16.05	0.66	0.687		-9
Site1	09/03/2009 09:24:50	12.02	0.437	0.471		-9
Site1	09/03/2009 09:30:07	8.05	0.052	0.01		0.042
Site1	09/03/2009 09:34:00	4.03	0.06	0.012		0.048
Site1	09/03/2009 09:39:04	0.1	0.053	0.021		0.032
Site1	09/17/2009 09:37:08	15.65	0.874	0.816		0.058

Site1	09/17/2009 09:40:25	11.96	0.056	0.816		-9
Site1	09/17/2009 09:42:54	8.01	0.051	0.007		0.044
Site1	09/17/2009 09:45:52	4.04	0.049	0.009		0.04
Site1	09/17/2009 09:49:39	0.05	0.053	0.009		0.044
Site1	09/30/2009 10:02:45	16.2	0.064	0.046		0.018
Site1	09/30/2009 10:07:21	12.06	0.038	0.029		0.009
Site1	09/30/2009 10:11:18	8.05	0.04	0.025		0.015
Site1	09/30/2009 10:17:13	4.01	0.037	0.027		0.01
Site1	09/30/2009 10:21:18	0.17	0.037	0.026		0.011
Site1	10/19/2009 09:18:57	16.13	0.05	0.036		0.014
Site1	10/19/2009 09:24:19	11.99	0.048	0.031		0.017
Site1	10/19/2009 09:29:15	7.99	0.046	0.031		0.015
Site1	10/19/2009 09:32:29	4.02	0.048	0.033		0.015
Site1	10/19/2009 09:34:25	0.09	0.045	0.043		0.002

Station	Sampling_time	Depth	TP	PO4	DL_PO4	OP
Site2	04/22/2008 12:30:42	0.2	0.033	0.022		0.011
Site2	04/22/2008 12:39:05	12	0.03	0.024		0.006
Site2	05/12/2008 12:00:00	-9	0.032	0.009		0.023
Site2	05/12/2008 12:00:00	9999	0.043	0.012		0.031
Site2	05/21/2008 14:14:33	0.1	0.028	0.006		0.022
Site2	05/21/2008 14:23:35	11	0.039	0.015		0.024
Site2	06/04/2008 13:47:51	11.2	0.037	0.005	<	0.035
Site2	06/04/2008 14:55:36	0.1	0.031	0.005	<	0.029
Site2	06/18/2008 11:23:50	0.1	0.03	0.005		0.025
Site2	06/18/2008 11:38:22	11.1	0.06	0.026		0.034
Site2	07/09/2008 12:13:23	11.9	0.276	0.204		0.072
Site2	07/09/2008 12:28:45	0.11	0.034	0.008		0.026
Site2	07/21/2008 10:23:56	0.15	0.031	0.01		0.021
Site2	07/21/2008 10:36:16	10	0.103	0.078		0.025
Site2	08/04/2008 09:56:12	0.5	0.024	0.01		0.014
Site2	08/04/2008 10:19:10	11.0	0.17	0.094		0.076
Site2	08/18/2008 09:27:35	0.1	0.026	0.01		0.016
Site2	08/18/2008 09:44:34	11.1	0.131	0.067		0.064
Site2	09/02/2008 11:03:40	0.2	0.039	0.014		0.025
Site2	09/02/2008 11:25:23	11.0	0.157	0.123		0.034
Site2	09/22/2008 11:30:28	0.1	0.056	0.009		0.047
Site2	09/22/2008 11:54:11	11.0	0.042	0.014		0.028
Site2	10/16/2008 10:29:47	0.08	0.032	0.018		0.014
Site2	10/16/2008 10:41:42	11.29	0.042	0.014		0.028
Site2	12/08/2008 11:42:48	0.1	0.026	0.028		-9

Site2	12/08/2008 11:52:36	11	0.025	0.028		-9
Site2	02/09/2009 10:14:21	0.05	0.022	0.019		0.003
Site2	04/15/2009 11:47:06	0.03	0.03	0.01		0.02
Site2	05/07/2009 13:28:26	0.12	0.032	0.005	<	0.03
Site2	05/20/2009 11:44:19	-0.04	0.031	0.005	<	0.029
Site2	06/04/2009 12:34:42	-0.03	-9	-9		-9
Site2	06/25/2009 11:32:43	0.15	-9	-9		-9
Site2	07/09/2009 11:08:35	-0.01	-9	-9		-9
Site2	07/23/2009 11:01:17	0.14	-9	-9		-9
Site2	08/06/2009 11:50:25	0.12	-9	-9		-9
Site2	08/24/2009 12:14:55	0.12	-9	-9		-9
Site2	09/03/2009 11:26:16	0.1	-9	-9		-9
Site2	09/17/2009 11:36:04	0.07	-9	-9		-9
Site2	09/30/2009 10:52:51	0.1	-9	-9		-9
Site2	10/19/2009 12:37:45	0.11	-9	-9		-9

Station	**Sampling_time**	**Depth**	**TP**	**PO4**	**DL_PO4**	**OP**
Site3	04/22/2008 12:51:17	0.3	-9	-9		-9
Site3	05/12/2008 12:00:00	-9	-9	-9		-9
Site3	05/21/2008 14:43:23	0.1	-9	-9		-9
Site3	06/04/2008 14:08:57	0.2	-9	-9		-9
Site3	06/18/2008 11:01:35	0.15	-9	-9		-9
Site3	07/09/2008 11:48:51	0.11	-9	-9		-9
Site3	07/21/2008 09:59:38	0.12	-9	-9		-9
Site3	08/04/2008 09:32:34	0.08	-9	-9		-9
Site3	08/18/2008 09:05:29	0.1	-9	-9		-9
Site3	09/02/2008 10:33:19	0.1	-9	-9		-9
Site3	09/22/2008 10:58:12	1.0	-9	-9		-9
Site3	10/16/2008 10:05:32	0.14	-9	-9		-9
Site3	12/08/2008 11:13:24	0.5	-9	-9		-9
Site3	02/09/2009 13:57:36	0.07	-9	-9		-9
Site3	04/15/2009 11:57:33	0.08	-9	-9		-9
Site3	05/07/2009 13:41:57	0.04	-9	-9		-9
Site3	05/20/2009 12:20:55	0.15	-9	-9		-9
Site3	06/04/2009 13:11:22	0.36	-9	-9		-9
Site3	06/25/2009 12:04:01	0.11	-9	-9		-9
Site3	07/09/2009 11:24:43	0.05	-9	-9		-9
Site3	07/23/2009 11:25:54	0.15	-9	-9		-9
Site3	08/06/2009 12:06:14	0.97	-9	-9		-9
Site3	08/24/2009 12:36:16	0.13	-9	-9		-9
Site3	09/03/2009 11:52:40	0.11	-9	-9		-9

Site3	09/17/2009 11:46:37	0.08	-9	-9		-9
Site3	09/30/2009 11:18:04	0.06	-9	-9		-9
Site3	10/19/2009 12:55:38	0.22	-9	-9		-9

Station	Sampling_time	Depth	TP	PO4	DL_PO4	OP
Site4	04/22/2008 12:06:29	0.3	0.04	0.03		0.01
Site4	04/22/2008 12:17:48	10.9	0.041	0.035		0.006
Site4	05/12/2008 12:00:00	-9	0.031	0.009		0.022
Site4	05/12/2008 12:00:00	9999	0.085	0.033		0.052
Site4	05/21/2008 13:46:05	0.1	0.032	0.006		0.026
Site4	05/21/2008 13:55:22	13	0.032	0.032		0
Site4	06/04/2008 14:36:21	13.1	0.077	0.024		0.053
Site4	06/04/2008 15:41:55	0.1	0.026	0.005	<	0.024
Site4	06/18/2008 11:52:32	0.2	0.031	0.006		0.025
Site4	06/18/2008 12:10:22	12.9	0.093	0.048		0.045
Site4	07/09/2008 13:31:50	0.1	0.031	0.007		0.024
Site4	07/09/2008 13:43:18	12.9	0.348	0.274		0.074
Site4	07/21/2008 11:51:04	0.1	0.026	0.009		0.017
Site4	07/21/2008 12:04:15	9	0.093	0.075		0.018
Site4	08/04/2008 11:29:22	0.4	0.024	0.009		0.015
Site4	08/04/2008 11:47:40	9.2	0.092	0.028		0.064
Site4	08/18/2008 10:53:35	0.2	0.033	0.01		0.023
Site4	08/18/2008 11:05:03	10.1	0.088	0.041		0.047
Site4	09/02/2008 13:02:17	0.1	0.039	0.015		0.024
Site4	09/02/2008 13:16:48	10.0	0.069	0.03		0.039
Site4	09/22/2008 13:56:59	0.2	0.038	0.009		0.029
Site4	09/22/2008 14:22:31	11.9	0.055	0.017		0.038
Site4	10/16/2008 12:19:44	0.1	0.043	0.016		0.027
Site4	10/16/2008 12:29:22	9.25	0.04	0.013		0.027
Site4	12/08/2008 13:34:34	0.5	0.027	0.032		-9
Site4	12/08/2008 13:40:52	9	0.022	0.032		-9
Site4	02/09/2009 12:15:15	0.25	0.021	0.021		0
Site4	04/15/2009 10:22:14	0.12	0.028	0.009		0.019
Site4	05/07/2009 11:19:32	0.11	0.024	0.018		0.006
Site4	05/20/2009 10:00:20	0.14	0.032	0.005	<	0.03
Site4	06/04/2009 10:25:47	0.1	0.041	0.008		0.033
Site4	06/25/2009 10:00:04	0.19	-9	-9		-9
Site4	07/09/2009 09:36:56	0.16	-9	-9		-9
Site4	07/23/2009 09:32:25	0.13	-9	-9		-9
Site4	08/06/2009 10:34:46	0.21	-9	-9		-9
Site4	08/24/2009 11:08:50	0.22	-9	-9		-9

Site4	09/03/2009 10:01:05	0.15	-9	-9		-9
Site4	09/17/2009 10:09:15	12.37	-9	-9		-9
Site4	09/30/2009 12:01:00	12.8	-9	-9		-9
Site4	10/19/2009 11:52:58	12.56	-9	-9		-9

Station	Sampling_time	Depth	TP	PO4	DL_PO4	OP
Site5	04/22/2008 11:17:20	0.2	-9	-9		-9
Site5	05/12/2008 12:00:00	-9	-9	-9		-9
Site5	05/21/2008 13:10:18	0.1	-9	-9		-9
Site5	06/04/2008 15:06:39	0	-9	-9		-9
Site5	06/18/2008 13:28:02	0.14	-9	-9		-9
Site5	07/09/2008 13:08:33	0.11	-9	-9		-9
Site5	07/21/2008 12:48:32	0.13	-9	-9		-9
Site5	08/04/2008 12:32:00	0.35	-9	-9		-9
Site5	08/18/2008 11:42:09	0.2	-9	-9		-9
Site5	09/02/2008 13:37:57	0.06	-9	-9		-9
Site5	09/22/2008 14:46:33	1.08	-9	-9		-9
Site5	10/16/2008 13:11:29	0.08	-9	-9		-9
Site5	12/08/2008 12:00:00	-9	-9	-9		-9
Site5	02/09/2009 13:14:19	0.09	-9	-9		-9
Site5	04/15/2009 11:00:00	0.16	-9	-9		-9
Site5	05/07/2009 12:28:39	0.11	-9	-9		-9
Site5	05/20/2009 10:54:03	0.06	-9	-9		-9
Site5	06/04/2009 11:24:33	0.1	-9	-9		-9
Site5	06/25/2009 10:39:59	0.1	-9	-9		-9
Site5	07/09/2009 10:06:26	0.08	-9	-9		-9
Site5	07/23/2009 09:55:41	0.1	-9	-9		-9
Site5	08/06/2009 10:51:29	0.11	-9	-9		-9
Site5	08/24/2009 11:26:13	0.18	-9	-9		-9
Site5	09/03/2009 10:22:54	0.11	-9	-9		-9
Site5	09/17/2009 10:32:23	0.12	-9	-9		-9
Site5	09/30/2009 12:50:25	0.07	-9	-9		-9
Site5	10/19/2009 11:28:24	0.14	-9	-9		-9

Station	Sampling_time	Depth	TP	PO4	DL_PO4	OP
Site6	04/22/2008 10:50:52	0.3	0.098	0.083		0.015
Site6	05/12/2008 12:00:00	-9	0.11	0.037		0.073
Site6	05/21/2008 12:46:45	0.1	0.056	0.02		0.036
Site6	06/04/2008 13:33:58	0.1	0.082	0.016		0.066
Site6	06/18/2008 13:10:28	0.11	0.13	0.071		0.059

Site6	07/09/2008 12:48:07	0.08	0.078	0.019		0.059
Site6	07/21/2008 13:10:08	0.14	0.086	0.027		0.059
Site6	08/04/2008 12:26:35	0.08	0.106	0.03		0.076
Site6	08/18/2008 11:59:19	0.13	0.092	0.042		0.05
Site6	09/02/2008 14:02:47	0.11	0.091	0.027		0.064
Site6	09/22/2008 15:10:55	0.15	0.082	0.023		0.059
Site6	10/16/2008 13:32:35	0.12	0.073	0.022		0.051
Site6	12/08/2008 12:00:00	-9	0.047	0.046		0.001
Site6	02/09/2009 13:25:32	0.12	0.048	0.051		-9
Site6	04/15/2009 11:09:48	0.09	-9	-9		-9
Site6	05/07/2009 12:43:47	0.1	-9	-9		-9
Site6	05/20/2009 11:15:19	0.15	-9	-9		-9
Site6	06/04/2009 11:47:58	0.08	-9	-9		-9
Site6	06/25/2009 11:09:56	0.13	-9	-9		-9
Site6	07/09/2009 10:32:00	0.11	0.116	0.09		0.026
Site6	07/23/2009 10:29:32	0.11	0.08	0.038		0.042
Site6	08/06/2009 11:00:11	0.08	0.123	0.068		0.055
Site6	08/24/2009 11:53:30	0.13	0.116	0.058		0.058
Site6	09/03/2009 11:01:15	0.09	1.09	0.081		1.009
Site6	09/17/2009 10:57:24	0.07	0.108	0.103		0.005
Site6	09/30/2009 13:12:29	0.1	0.093	0.077		0.016
Site6	10/19/2009 10:46:36	0.09	0.088	0.048		0.04

Station	Sampling_time	Depth	TP	PO4	DL_PO4	OP
Site7	04/22/2008 11:42:35	0.1	-9	-9		-9
Site7	05/12/2008 12:00:00	-9	-9	-9		-9
Site7	05/21/2008 13:29:58	0.1	-9	-9		-9
Site7	06/04/2008 15:24:54	0.1	-9	-9		-9
Site7	06/18/2008 12:39:06	5.71	-9	-9		-9
Site7	07/09/2008 14:00:35	0.09	-9	-9		-9
Site7	07/21/2008 12:21:46	0.14	-9	-9		-9
Site7	08/04/2008 12:04:34	0.07	-9	-9		-9
Site7	08/18/2008 11:18:43	0.12	-9	-9		-9
Site7	09/02/2008 14:29:05	0.18	-9	-9		-9
Site7	09/22/2008 15:41:44	1.01	-9	-9		-9
Site7	10/16/2008 12:45:33	0.15	-9	-9		-9
Site7	12/08/2008 14:02:23	0.5	-9	-9		-9
Site7	02/09/2009 12:53:41	4.8	-9	-9		-9
Site7	04/15/2009 10:32:25	0.07	-9	-9		-9
Site7	05/07/2009 11:53:32	0.09	-9	-9		-9
Site7	05/20/2009 10:31:32	0.09	-9	-9		-9

Site7	06/04/2009 10:55:48	0.07	-9	-9		-9
Site7	06/25/2009 10:28:01	0.02	-9	-9		-9

Station	Sampling_time	Depth	TP	PO4	DL_PO4	OP
Site8	04/22/2008 13:12:00	0.2	0.04	0.028		0.012
Site8	05/12/2008 12:00:00	-9	0.036	0.012		0.024
Site8	05/21/2008 14:58:53	0.1	0.028	0.008		0.02
Site8	06/04/2008 16:08:45	0.1	0.031	0.006		0.025
Site8	06/18/2008 10:37:18	0.11	0.045	0.007		0.038
Site8	07/09/2008 11:23:39	0.17	0.044	0.011		0.033
Site8	07/21/2008 09:41:17	0.06	0.052	0.018		0.034
Site8	08/04/2008 09:09:29	2.9	0.04	0.01		0.03
Site8	08/18/2008 08:49:47	0.11	0.056	0.028		0.028
Site8	09/02/2008 10:09:42	0.1	0.053	0.019		0.034
Site8	09/22/2008 10:38:23	0.45	0.05	0.014		0.036
Site8	10/16/2008 09:48:43	0.11	0.044	0.013		0.031
Site8	12/08/2008 10:56:41	0.5	0.016	0.014		0.002
Site8	12/08/2008 10:58:19	2	0.0412	0.0145		0.027
Site8	12/08/2008 10:59:05	3	0.044	0.013		0.031
Site8	02/09/2009 14:08:05	2.66	-9	-9		-9
Site8	04/15/2009 12:13:01	0.12	-9	-9		-9
Site8	05/07/2009 14:02:55	0.09	-9	-9		-9
Site8	05/20/2009 12:47:55	0.08	-9	-9		-9
Site8	06/04/2009 13:36:27	0.11	-9	-9		-9
Site8	06/25/2009 12:31:50	0.11	-9	-9		-9
Site8	07/09/2009 11:36:56	2.39	0.046	0.022		0.024
Site8	07/23/2009 11:44:31	0.1	0.066	0.027		0.039
Site8	08/06/2009 12:14:51	2.47	0.074	0.045		0.029
Site8	08/24/2009 12:52:48	0.18	0.08	0.041		0.039
Site8	09/03/2009 12:08:57	0.12	0.067	0.045		0.022
Site8	09/17/2009 12:04:11	0.09	0.056	0.026		0.03
Site8	09/30/2009 11:31:52	2.63	0.045	0.026		0.019
Site8	10/19/2009 13:07:49	2.84	0.01	0.014		-9

Appendix E
Stormwater Permitting Requirements and Presumptive Best Management Practices (BMPs) Approach

Draft
Lake Thunderbird TMDL Report

Prepared for

Oklahoma Department of Environmental Quality
Water Quality Division

November 2012

By

Dynamic Solutions, LLC

PLEASE NOTE !

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Appendix E - Stormwater permitting Requirements and Presumptive Best Management Practices (BMPs) Approach

I. BACKGROUND

The National Pollutant Discharge Elimination System (NPDES) permitting program for stormwater discharges was established under the Clean Water Act as the result of a 1987 amendment. The Act specifies the level of control to be incorporated into the NPDES stormwater permitting program depending on the source (industrial versus municipal stormwater). These programs contain specific requirements for the regulated communities/facilities to establish a comprehensive stormwater management program (SWMP) or stormwater pollution prevention plan (SWPPP) to implement any requirements of the total maximum daily load (TMDL) allocation. [See 40 CFR §130.]

Stormwater discharges are highly variable both in terms of flow and pollutant concentration, and the relationships between discharges and water quality can be complex. For municipal stormwater discharges in particular, the current use of system-wide permits and a variety of jurisdiction-wide BMPs, including educational and programmatic BMPs, does not easily lend itself to the existing methodologies for deriving numeric water quality-based effluent limitations. These methodologies were designed primarily for process wastewater discharges which occur at predictable rates with predictable pollutant loadings under low flow conditions in receiving waters.

EPA has recognized these problems and developed permitting guidance for stormwater permits. [See "Interim Permitting Approach for Water Quality-Based Effluent Limitations in Stormwater Permits" (EPA-833-D-96-00, Date published: 09/01/1996)] Due to the nature of stormwater discharges, and the typical lack of information on which to base numeric water quality-based effluent limitations (expressed as concentration and mass), EPA recommends an interim permitting approach for NPDES stormwater permits which is based on BMPs. "The interim permitting approach uses best management practices (BMPs) in first-round stormwater permits, and expanded or better-tailored BMPs in subsequent permits, where necessary, to provide for the attainment of water quality standards." (*ibid.*)

A monitoring component is also included in the recommended BMP approach. "Each storm water permit should include a coordinated and cost-effective monitoring program to gather necessary information to determine the extent to which the permit provides for attainment of applicable water quality standards and to determine the appropriate conditions or limitations for subsequent permits." (*ibid.*)

This approach was further elaborated in a guidance memo issued in 2002. [See Memorandum from Robert Wayland, Director of OWOW and James Hanlon, Director of OWM to Regional Water Division Directors: "Establishing Total Maximum Daily Load (TMDL) Wasteload Allocations (WLAs) for Storm Water Sources and NPDES Permit requirements Based on Those WLAs " (Date published: 11/22/2002)] "The policy outlined in this memorandum affirms the appropriateness of an iterative, adaptive management BMP approach, whereby permits include effluent limits (e.g., a combination of structural and non-structural BMPs) that address stormwater discharges, implement mechanisms to evaluate the performance of such controls, and make adjustments (i.e., more stringent controls or specific BMPs) as necessary to protect water quality. …… If it is determined that a BMP approach (including an iterative BMP approach) is appropriate to meet the stormwater component of the TMDL, EPA recommends that the TMDL reflect this." This BMP-based approach to stormwater

sources in TMDLs is also recognized and described in the most recent EPA guidance. [See "TMDLs To Stormwater Permits Handbook" (DRAFT; EPA, November 2008[1])]

This TMDL adopts the EPA recommended approach and relies on appropriate BMPs for implementation. No numeric effluent limitations are required or anticipated for stormwater discharge permits. All three categories of stormwater permits are covered in this Appendix: Municipal Separate Storm Sewer System (MS4) Discharges (Permit number OKR04), Storm Water Discharges from Construction Activities (Permit number OKR10), and Storm Water Discharges from Industrial Facilities under the Multi-Sector Industrial General Permit Permit number OKR05). The provisions of this appendix apply only to OPDES/NPDES regulated stormwater discharges. Agricultural activities and other nonpoint sources of TSS, nutrients and organic matters are unregulated. Voluntary measures and incentives should be used and encouraged wherever possible and such sources should strive to attain the reduction goals established in this TMDL.

II. SPECIFIC REQUIREMENTS FOR MS4 STORMWATER PERMITS

As noted in Section 3 of this report, stormwater runoff from the Phase 1 and 2 Municipal Separate Storm Sewer Systems (MS4s) is likely to contain elevated TSS, nutrients (TN and TP) and organic matters (BOD and TOC). Waste Load Allocations (WLAs) are assigned to each of these MS4s. Consequently, permits for these discharges must comply with the provisions of this TMDL. Table E-1 provides a list of Phase 1 and 2 MS4s that are affected by this TMDL report.

Table E-1. MS4 Permits affected by this TMDL Report

Entity	Permit No.	MS4 Phase	Date Issued
Oklahoma City*	OKS000101	I	01/19/2007
City of Moore	OKR040012	II	12/01/2005
City of Norman	OKR040015	II	11/29/2005

*Co-permitted with Oklahoma Department of Transportation and Oklahoma Turnpike Authority

To ensure compliance with the TMDL requirements under the permit, MS4 permittees must develop strategies designed to achieve progress toward meeting the reduction goals established in the TMDL. Relying primarily upon a Best Management Practices (BMP) approach, permittees should take advantage of existing information on BMP performance and select a suite of BMPs appropriate to the local community that are expected to result in progress toward meeting the reduction goals established in the TMDL. The permittee should provide its local community guidance on BMP installation and maintenance, as well as a monitoring and/or inspection schedule.

Table E–2 at the end of this appendix provides a summary description of some BMPs with reported effectiveness in reducing TSS, nutrients and organic matters. Permittees may choose different BMPs to meet the permit requirements, as long as the permittees demonstrate that these practices will result

[1] http://www.epa.gov/owow/tmdl/pdf/tmdl-sw_permits11172008.pdf (as of November 28, 2012).

in progress toward attaining water quality standards. Permittees are particularly encouraged to consult Section 5.3 of the "TMDLs To Stormwater Permits Handbook" (DRAFT; EPA, November 2008[2]). That section provides technical resources on the availability, performance, and applicability of BMPs, in addition to monitoring approaches, computer models and stormwater program evaluation methods.

The watershed model (HSPF) and the lake model (EFDC) developed for this TMDL study will be made available to stakeholders in the watershed. These models are particularly useful in predicting and assessing the overall watershed pollutant load reductions and their effect on lake water quality. Stakeholders may also consider other modeling tools for specific BMP selection and evaluation. Table 12 of the "TMDLs To Stormwater Permits Handbook" (DRAFT; EPA, November 2008[2]) describes a range of modeling tools available for BMP selection, sizing, and siting decision making.

After EPA approval of the final TMDL, existing MS4 permittees will be notified of the TMDL provisions and schedule. Compliance with the following specific provisions will constitute compliance with the requirements of this TMDL.

1. Develop a TMDL Compliance Plan

Each permittee shall adopt their WLAs specified in the TMDL as measurable goals within their permit. Each permittees shall submit an approvable TMDL Compliance Plan to the DEQ within 24 months of EPA approval of this TMDL. Unless disapproved by the Director within 60 days of submission, the plan shall be approved and then implemented by the permittee. This plan shall, at a minimum, include the following:

A. An evaluation to identify potential significant sources of TSS, nutrients and organic matters entering your MS4. Such an evaluation should include an enhanced plan for illicit discharge screening and remediation. Following the evaluation and using guidelines outlined below, permittee shall develop (or modify an existing program as necessary) and implement a program to reduce the discharge of TSS, nutrients and organic matters in municipal stormwater contributed by all significant sources identified in the evaluation.

B. Selecting a General Strategy for the plan: An MS4 should demonstrate, in the TMDL Compliance Plan that it understands the TMDL requirement and that it has a strategy for meeting the WLA. There are several ways for a MS4 to meet a TMDL waste load allocation (WLA) using BMPs and other approaches, including but not limited to:

   a. Retrofitting developed areas and other suitable sites with structural stormwater BMPs (e.g. infiltration BMPs in built out areas);
   b. Implementing BMPs that prevent additional stormwater TSS, nutrients and organic matters pollution associated with new development and re-development; (e.g. promoting Low Impact Development and green infrastructure, installing infiltration BMPs in areas converting from one land use to another);
   c. Implementing non-structural BMPs designed for source control (e.g. fertilizer application restrictions or soil nutrient testing requirements, and riparian buffer protection requirements) by considering ordinances or other regulatory mechanisms to require TSS,

[2] http://www.epa.gov/owow/tmdl/pdf/tmdl-sw_permits11172008.pdf (as of November 28, 2012).

nutrients and organic matters pollution control, as well as enforcement procedures for noncompliance;

d. Implementing non-structural BMPs designed to treat existing loads (e.g. more frequent street sweeping); and
e. Developing and implementing water quality trading: water quality trading among the MS4 permittees may be considered as a tool to achieve the overall WLA of the TMDLs. As the authorization and enforcement agency of Oklahoma's MS4 permits, the DEQ reserves the authority for the final approval of any trades or trading programs that may be considered in the Lake Thunderbird watershed.

C. Implementing enhanced or more frequent construction site stormwater compliance inspections and considering adopting ordinance that allows "stop work" orders and other enhanced enforcement for construction permit violators.

D. Determining a schedule for achieving the WLA: This schedule can be general in nature, discussing groups of activities to be implemented within permit cycles or based on funding cycles. Specific activities need not be included in this section of the TMDL Compliance Plan. For example:

> "MS4 X" will achieve necessary pollutant reductions within four permit cycles. During the first permit cycle, "MS4 X" will evaluate its existing stormwater program in relation to the TMDL compliance plan, determine if the program requires modification, outline a process for develop the TMDL compliance plan, and implement BMPs if opportunities arise. In the second permit cycle, "MS4 X" will modify its stormwater program as necessary, implement non-structural BMPs, develop a system to evaluate the effectiveness of these BMPs and implement structural BMPs if opportunities arise. In the third permit cycle, "MS4 X" will evaluate the effectiveness of non-structural BMPs, determine if structural BMPs (through retrofits) are needed, identify where and which structural BMPs will achieve the needed pollutant load reductions, and implement structural BMPs if opportunities arise. In the fourth permit cycle, "MS4 X" will implement structural BMPs as needed.

E. Implementing and Tracking BMPs

> BMP Summary Sheets should be prepared for both structural and non-structural BMPs. For BMPs for which pollutant reductions can be calculated or modeled, BMP sheets should include any information used to make the calculations, BMP efficiencies, and maintenance information for the BMP (e.g. to ensure the efficiency used in the calculation is valid into the future or determine if it needs to be adjusted). Include references to support the calculations or modeling.
>
> BMP Sheets can be prepared for ordinances, resources, or other tools needed for implementation of BMPs. Load reductions may be difficult to quantify with these BMPs, but these tools may be needed to implement BMPs that reduce loading.

F. Educational programs directed at reducing TSS, nutrients and organic matters pollution. Implement a public education program to reduce the discharge of TSS, nutrients and organic

matters in municipal stormwater contributed (if applicable) by construction activities, recreational and agricultural activities, etc.

2. Develop or Participate In a Pollutant Monitoring and Tracking Program

As noted above, when a BMP approach is selected a coordinated monitoring program is necessary to establish the effectiveness of the selected BMPs and demonstrate progress toward achieving the reduction goals of the TMDL and eventually attaining water quality standards in Lake Thunderbird. The monitoring results should also be used to refine TSS, nutrient and organic matters controls in the future. With three permitted MS4 entities in the watershed, it is likely that a cooperative monitoring program would be more cost effective than three individual programs. Individual permittees are not required to participate in a coordinated program and are free to develop their own program if desired. Specific requirements for an effective monitoring and tracking program are as follows.

A. Within 24 months of EPA approval of this TMDL, each permittee shall prepare and submit to the DEQ either a TMDL monitoring plan or a commitment to participate in a coordinated regional monitoring program. Unless disapproved by the Director within 60 days of submission, the plan shall be approved and then implemented by the permittee. The plan or program shall include:

   a. Evaluation of any existing storm water monitoring program in relation to TMDL reduction goals;
   b. A detailed description of the goals, monitoring, and sampling and analytical methods;
   c. A map that identifies discharge points, stormwater drainage areas contributing to discharge points, and within each such drainage area, mapping the conveyance system;
   d. A list and map of the selected TMDL monitoring sites, which may include sites on receiving water bodies;
   e. Consideration of methods for evaluating pollutant loading in stormwater discharges from construction and industrial sites, such as monitoring requirements for site operators or small drainage monitoring for multiple construction sites;
   f. The frequency of sample collection to occur at each station or site: at a minimum, sample collection shall include at least one representative sample of a storm water discharge from at least 50 percent of the major discharge points discharging directly to surface waters of the state within the portion of the TMDL watershed in the urbanized area. A major discharge point is a pipe or open conveyance measuring 36 inches or more at its widest cross section;
   g. The parameters to be measured, as appropriate for and relevant to the TMDL: at a minimum, the sample shall be analyzed for total phosphorus (TP), total nitrogen (TN), total suspended solids(TSS), and $CBOD_{20}$;
   h. A Quality Assurance Project Plan that complies with EPA requirements [EPA Requirements for QA Project Plans (QA/R-5)].

B. The monitoring program shall be fully implemented within three years of EPA approval of this TMDL.

C. With the obtained monitoring and tracking data, periodically evaluate the effectiveness of individual BMPs if possible and the effectiveness of the overall TMDL compliance plan to ensure progress toward attainment of the waste load allocations. If progress cannot be shown, the MS4 permittee must revise its TMDL compliance plan to further its load reduction efforts.

3. Annual Reporting

The permittee shall include a TMDL implementation report as part of their annual report. The TMDL implementation report shall include the status and actions taken by the permittee to implement the TMDL compliance plan and monitoring program. The TMDL implementation report shall document relevant actions taken by the permittee that affect MS4 stormwater discharges to the waterbody segments that are the subject of the TMDL. This TMDL implementation report also shall identify the status of any applicable TMDL implementation schedule milestones.

III. SPECIFIC REQUIREMENTS FOR CONSTRUCTION STORMWATER PERMITS

In addition to the general provisions of the OKR10 General Permit (General Permit for Storm Water Discharges from Construction Activities within the State Of Oklahoma), construction activities authorized after EPA approval of this TMDL which are located in the Lake Thunderbird watershed will be required to:

A. Comply with any additional pollutant prevention or discharge monitoring requirements established by the local MS4 municipalities; and
B. Submit to the DEQ all Storm Water Pollution Prevention Plans (SWP3) for sites of five acres or larger.

After EPA approval of this TMDL, the following provisions will be included as site-specific requirements in all authorizations issued by DEQ for construction activities located in the Lake Thunderbird watershed:

A. Vegetated buffer. You must ensure that a vegetated buffer of at least 100 feet is retained or successfully established/planted between the area disturbed and all receiving streams. If the nature of the construction activity or the construction site makes a buffer impossible, you must provide equivalent controls. There are exceptions from this requirement for water crossings, limited water access, and stream restoration authorized under a CWA Section 404 permit.
B. Sediment basins. For all drainage locations serving 5 or more acres disturbed at one time, you must use a temporary or permanent sediment basin and/or sediment traps to minimize sediment discharges
C. Site inspections. You must conduct site inspections once every 7 calendar days at a minimum, and within 24 hours of a storm event of 0.5 inches or greater and within 24 hours of a discharge caused by snowmelt.
D. Corrective actions. You must implement the corrective actives (e.g., repair, modify, or replace any stormwater control used at the site, clean up and dispose of spills, releases, or other deposits, or remedy a permit violation) by no later than 7 calendar days from the time of discovery. If it is infeasible to complete the installation or repair within 7 calendar days, you must document in your records why it is infeasible to complete the installation or repair within the 7 calendar day

timeframe and document your schedule for installing the stormwater controls and making it operational as soon as practicable after the 7 day timeframe.

E. Stabilization. You must initiate stabilization measures immediately whenever earth-disturbing activities have permanently or temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days. You are required to complete the stabilization activities within 7 calendar days after the permanent or temporary cessation.

F. Soil nutrient testing. You are required to conduct a soil nutrient test to determine actual nutrient needs before applying fertilizer on your site. Fertilizer application must be limited to that necessary to meet actual needs on the site.

IV. SPECIFIC REQUIREMENTS FOR MSGP (INDUSTRIAL) STORMWATER PERMITS

In addition to the general provisions of the OKR05 General Permit (General Permit for Storm Water Discharges from Industrial Facilities under the Multi-Sector Industrial General Permit [MSGP] within the State Of Oklahoma), specific requirements will be added to existing and future permits for MSGP permittees in the Lake Thunderbird Watershed engaged in activities specified by the Standard Industrial Classification (SIC) Code or Activity Code as:

- 2951,2952: Asphalt Paving and Roofing Materials (production);
- 3271-3275: Concrete, Gypsum and Plaster Products (production);
- 1442,1446: Sand and Gravel (mineral mining and dressing); and
- Other activities deemed to be potential sources of nutrients and sediment to the Lake as determined by the DEQ on a case-by-case basis.

After EPA approval of this TMDL, the following provisions will be included as site-specific requirements in existing and future authorizations under OKR05 specified above:

A. Revise the SWP3 for additional TSS and nutrient reduction measures within 12 months of notification and submit the SWP3 for DEQ review;

B. Perform monthly inspection and maintenance of stormwater management devices, facility equipment and systems to avoid breakdowns or failures.

C. If the permit is for an activity that includes numeric effluent limits (See Table 1-3 of the MSGP), monitoring and reporting of the discharge is required once per month rather than once per year.

D. Comply with any additional pollutant prevention or discharge monitoring requirements established by the local MS4 municipalities.

Compliance with these specific requirements must be reflected in the permittee's annual Comprehensive Site Compliance Evaluation Report.

Table E–2. Some BMPs Applicable to TSS, Nutrients and Organic Matters

BEST MANAGEMENT PRACTICE	Reported Removal Efficiency	Note
Sediment Forebay	Required to achieve TP, TN and organic matters removal efficiency for structural practices	Sediment should be removed every 3-5 years or when 6-12 inches have accumulated.
Grassed Swale	TSS: ~50%; TP: ~35%; TN: 0-40%	Maintain thick vegetation at 3-6 inches, remove debris and sediment and re-establish vegetation if needed
Urban Nutrient Management	TSS: 0%; TP: 10-22%; TN: ~15%	Urban nutrient management involves the reduction of fertilizer to grass lawn and other urban areas. Public education and awareness is needed to avoid excessive fertilizer use.
Constructed Wetlands	TSS: 10-80%; TP: 12-45%; TN: ~20%	Second season reinforcement plantings are often needed. Mow biannually to reduce woody growth on outer boundary. Maintain sediment forebay. Remove sediment from forebay every 3-5 year or when 6-12 inches have accumulated.
Extended Detention-Enhanced	TSS: 60-80%; TP: 20-50%; TN: ~20%	Mow two times per year; remove debris from spill way and trash rack at control structure; and maintain sediment forebay
Retention Basin	TSS: ~80%; TP: ~50%; TN: ~25%	Mow two times per year; remove debris from spill way and trash rack at control structure; and maintain sediment forebay. Aeration may be needed in Oklahoma.
Riparian Buffers	TSS: 50-90%; TP: 18-80%; TN: 10-75%	Require proper slope and width of the buffer zone to achieve typical removal efficiency. Width typically varies from 4.6 to 27.4 m and slope varies from 4 to 16%

Sources:

1. Geosyntec Consultants, Inc. and Wright Water Engineers, Inc., International Stormwater Best Management Practices (BMP) Database (www.bmpdatabase.org)- Pollutant Category Summary, Statistical Addendum: TSS, Bacteria, Nutrients, and Metals, July 2012.

2. Wenger, S. A Review of the Scientific Literature on Riparian Buffer Width, Extent and Vegetation, Office of Public Service & Outreach, Institute of Ecology, University of Georgia, March, 1999.

3. Simpson, T. W., and S. E. Weammert, Riparian Forest Buffer Practice (Agriculture) and Riparian Grass Buffer Practice, Definition and Nutrient and Sediment Reduction Efficiencies for Use in Calibration of the Phase 5.0 of Chesapeake Bay Program Watershed Model, 2007.

4. Birch, G. F., C. Matthai, M. S. Fazeli, and J. Y. Suh, Efficiency of a Constructed Wetland in Removing Contaminants from Stormwater, Wetlands, Vol. 24. No. 2, June 2004.

5. National Pollutant Removal Performance Database, Version 3, September, 2007.

Appendix F
Sanitary Sewer Overflow (SSOs) Bypass Events

Draft
Lake Thunderbird TMDL Report

Prepared for
Oklahoma Department of Environmental Quality
Water Quality Division

November 2012

By

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Table F-1 City of Norman

Facility Name	Facility ID	Bypass Date	Amount (Gallons)	Cause	Cleanup	Preventive	Type of Source
NORMAN	S20616	9/3/2003	20,000	RUPTURED PIPE	C & D	REPAIR	PIPE
NORMAN	S20616	7/19/2004	12,049	L.S. DISCONNECTED BY O.G. & E.	C & D	RECONNECTED	LIFT STATION
NORMAN	S20616	12/12/2007	10,000	POWER OUTAGE	W & D	GENERATORS	LIFT STATION
NORMAN	S20616	12/12/2007	10,000	POWER OUTAGE	W & D	GENERATOR	
NORMAN	S20616	12/11/2006	10,000	VALVE MALFUNCTION	C & D		LIFT STATION
NORMAN	S20616	2/25/2003	10,000	GREASE	C & D	FLUSHED	
NORMAN	S20616	5/22/2007	6,000	AIR VALVE BROKE	C & D	REPLACE	PIPE
NORMAN	S20616	6/1/2005	5,000	ELECTRICAL FAILURE/ LIGHTNING	W & D	REPAIRING	LIFT STATION
NORMAN	S20616	2/25/2005	5,000	CONTRACTOR ERROR	W & D	PUMPED & VAC	MANHOLE
NORMAN	S20616	2/14/2005	5,000	OBSTRUCTION	W & D	REMOVED	MANHOLE
NORMAN	S20616	4/1/2002	3,600	DEBRIS	WASHED	RODDED	
NORMAN	S20616	12/22/2003	3,000	MAIN CUT BY CONTRACTOR	FLUSHED	ADVISE CONTRACTOR	PIPE
NORMAN	S20616	8/2/2002	2,500	OVERFLOW	W & D	REMOVED	MANHOLE
NORMAN	S20616	1/7/2002	2,500	MH SURCHARGED	W & D	REMOVE	
NORMAN	S20616	11/6/2008	2,000	MAIN BLOWOUT	C & D	REPAIR	PIPE
NORMAN	S20616	7/8/2003	2,000	BROKEN MAIN	C & D	REPAIR	PIPE
NORMAN	S20616	11/21/2003	1,700	CONTRACTOR HIT MAIN	C & D	REPAIR	PIPE
NORMAN	S20616	5/8/2007	1,500	COLLAPSED MAIN		REPAIR	PIPE
NORMAN	S20616	8/15/2006	1,500	POWER FAILURE	W & D	RESTORE	LIFT STATION
NORMAN	S20616	1/8/2002	1,500	MAIN HIT BY CONTRACTORS		REPAIR	
NORMAN	S20616	10/9/2000	1,500	BROKE LINE		VACUUMED	
NORMAN	S20616	8/30/2006	1,200	COLLAPSED MAIN	W & D	REPAIR	PIPE
NORMAN	S20616	1/17/2006	1,200	OBSTRUCTION	C & D	FLUSHED & RODDED	MANHOLE
NORMAN	S20616	11/21/2005	1,200	MALFUNCTION	W & D	REPAIR	MANHOLE
NORMAN	S20616	9/4/2006	1,000	AIR RELEASE VALVE	W & D	FLUSHED	MANHOLE
NORMAN	S20616	2/9/2006	1,000	OBSTRUCTION	W & D	FLUSHED & ROOT CUT	MANHOLE
NORMAN	S20616	3/11/2002	1,000	OVERFLOW		REGAIN FLOW	MANHOLE
NORMAN	S20616	7/20/2001	1,000	OBSTRUCTION		REMOVED	MANHOLE

Table F-2 City of Moore

Facility Name	Facility ID	Bypass Date	Amount (Gallons)	Cause	Cleanup	Preventive	Type of Source
MOORE	S20614	10/22/2000	>1 MILL	RAIN	FLUSHED		
MOORE	S20614	1/8/2012		LIFT STATION FAILURE	PUMPED WATER BACK INTO SYSTEM	CONSTRUCTION	LAGOON/BASIN
MOORE	S20614	1/6/2011		LINE BREAK	PUMPED WATER	CONSTRUCTION	PIPE
MOORE	S20614	12/2/2010		BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	12/17/2008		SPILL FROM TRUCK	CLEANED		
MOORE	S20614	9/10/2004		ELECTRICAL FAILURE		EVALUATION	
MOORE	S20614	5/15/2003		COLLAPSED MH IN CREEK	HTH	REPAIRS	MANHOLE
MOORE	S20614	6/16/2002		RAINS	HTH	NEW LINE UNDER CONSTRUCTION	
MOORE	S20614	6/13/2002		RAIN	HTH	CONSENT ORDER	
MOORE	S20614	6/14/2002		RAIN	HTH	CONSENT ORDER	
MOORE	S20614	6/14/2002		LINE STOPPAGE	HTH	FLUSHED	
MOORE	S20614	6/8/2002		RAINS	HTH	LINE UNDER CONSRTUCTION	
MOORE	S20614	4/27/2002		RAINS	HTH	NEW LINES	
MOORE	S20614	7/17/2000		STOPPAGE	HTH	FLUSHED	
MOORE	S20614	7/2/2000		RAIN	CLEANED		
MOORE	S20614	7/2/2000		RAIN			
MOORE	S20614	7/2/2000		RAIN			
MOORE	S20614	6/28/2000		RAIN	C & D		
MOORE	S20614	5/3/2000		RAINS	FLUSHED	REPAIRED	
MOORE	S20614	4/30/2000		RAIN	C & D		
MOORE	S20614	4/6/2000		LINE STOPPAGE	CLEANED	FLUSHED	
MOORE	S20614	4/13/2000		LINE STOPPAGE	CLEANED	FLUSHED	
MOORE	S20614	4/5/2000		LINE STOPPAGE	W & D	CLEAR	
MOORE	S20614	2/25/2000		BLOCKAGE	HTH		
MOORE	S20614	2/7/2000		LINE STOPPAGE	HTH	FLUSHED	
MOORE	S20614	1/29/2000		LINE STOPPAGE	HTH	FLUSHED	
MOORE	S20614	1/30/2000		LINE STOPPAGE	HTH	FLUSHED	
MOORE	S20614	1/10/2000		DEBRIS	C & D		
MOORE	S20614	1/11/2000		DEBRIS	C & D		
MOORE	S20614	1/10/2000		LINE STOPPAGE	HTH	CLEARED	
MOORE	S20614	1/1/2000		LINE STOPPAGE	HTH	FLUSHED	
MOORE	S20614	1/2/2000		LINE STOPAGE	HTH	FLUSHED	
MOORE	S20614	1/2/2000		LINE STOPPAGE	HTH	FLUSHED	
MOORE	S20614	6/26/2008	374,000	ERODED SEWER LINE		REPLACED LINE	
MOORE	S20614	2/23/2001	232,000	RAIN	HTH	REHAB	
MOORE	S20614	10/22/2000	124,000	RAIN	FLUSHED		
MOORE	S20614	9/3/2009	100,000	MALFUNCTION	NONE	CHANGED LOCKS	
MOORE	S20614	12/28/2002	100,000	MECHANICAL FAILURE	HTH	FLUSHED	LIFT STATION
MOORE	S20614	9/6/2006	78,540	OPEN LINE FROM DEVELOPMENT	C & S	CONTAINED SEWAGE	

MOORE	S20614	8/24/2005	39,000	DEBRIS	FLUSHED	REMOVED & SECURE LID	
MOORE	S20614	3/5/2004	30,000	FLOODING			
MOORE	S20614	3/4/2004	30,000	RAIN		CURRENTLY UNDER CONSTRUCTION	
MOORE	S20614	1/11/2001	25,912	PUMP FAILURE	DISINFECTED	REPAIRED	
MOORE	S20614	1/11/2001	25912	SECONDARY PUMP FAILURE OF THE CHECK VALVE	AREA DISINFECTED	PUMP REPAIRED	
MOORE	S20614	9/18/2001	17,985	RAIN	FLUSHED		MANHOLE
MOORE	S20614	9/11/2003	16,500	RAIN		NEW LINES	
MOORE	S20614	4/18/2010	15,000	MALFUNCTION OF PUMP	C & D	PURCHASING PUMP	LIFT STATION
MOORE	S20614	9/18/2001	13,915	RAIN	FLUSHED		
MOORE	S20614	12/1/2000	13464	LINE STOPPAGE	HTH'D & FLUSHED	LINE FLUSHED	
MOORE	S20614	12/1/2000	13,464	LINE STOPPAGE	HTH	FLUSHED	
MOORE	S20614	11/18/2000	10,000	LINE STOPPAGE	FLOWED HYDRANT	FLUSHED	
MOORE	S20614	8/2/2001	9,400	BROKEN LINE	W & D	REPAIRED	
MOORE	S20614	3/28/2004	8,000	RAIN	HTH	LOOKING AT NEW L.S.	
MOORE	S20614	11/7/2001	7,429	STOPPAGE	HTH	FLUSHED	
MOORE	S20614	1/17/2004	6,000	RAIN	C & S	FLUSHED	
MOORE	S20614	2/2/2001	5,483	STOPPAGE	C & D	FLUSHED	
MOORE	S20614	3/27/2010	5,000	BLOCKAGE	WASHED	FLUSHED	MANHOLE
MOORE	S20614	4/23/2009	5000	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	4/10/2008	5,000	RAIN	HTH	CONSENT ORDER	MANHOLE
MOORE	S20614	8/19/2007	5,000	RAIN			
MOORE	S20614	6/29/2007	5,000	RAIN			
MOORE	S20614	6/26/2007	5,000	RAIN	HTH	FLUSHED	
MOORE	S20614	5/24/2006	5,000	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	1/16/2002	4,791	LINE STOPPAGE	W & D		
MOORE	S20614	4/13/2011	4,500	BLOCKAGE	CLEANED	REPLACE & PUMPING	MANHOLE
MOORE	S20614	12/21/2000	4,484	STOPPAGE	HTH	FLUSHED	
MOORE	S20614	12/21/2000	4484	MAIN LINE STOPPAGE	HTH'D & FLUSHED	FLUSHED MAIN	
MOORE	S20614	7/10/2007	4,000	RAIN			
MOORE	S20614	2/23/2006	4,000	VANDALISM	HTH	CLEANED	MANHOLE
MOORE	S20614	3/28/2004	4,000	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	9/11/2003	4,000	RAIN		NEW LINES	
MOORE	S20614	12/4/2000	3150	MAIN LINE STOPPAGE	AREA HTH'D & FLUSHED	FLUSHED MAIN LINE	
MOORE	S20614	12/4/2000	3,150	STOPPAGE	HTH	FLUSHED	
MOORE	S20614	3/19/2012	3,000	RAIN	HTH	NEW PLANS	MANHOLE
MOORE	S20614	3/19/2012	3,000	RAIN	HTH		MANHOLE
MOORE	S20614	6/9/2008	3,000	RAIN	HTH	CONSENT ORDER	
MOORE	S20614	4/10/2008	3,000	RAIN	HTH		MANHOLE
MOORE	S20614	6/9/2004	3,000	RAIN	HTH	NEW L.S.	LIFT STATION
MOORE	S20614	3/25/2004	3,000	COLLAPSED LINE	HTH	REPLACED LINE	
MOORE	S20614	3/19/2012	2,500	RAIN	HTH		MANHOLE

MOORE	S20614	3/19/2012	2,500	RAIN	HTH		MANHOLE
MOORE	S20614	8/19/2008	2,500	RAIN	C & S	CONSENT ORDER	
MOORE	S20614	8/11/2008	2,500	RAIN	HTH	CONSENT ORDER	
MOORE	S20614	4/22/2004	2,500	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	9/16/2008	2,000	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	4/10/2008	2,000	RAIN	HTH	CONSENT ORDER	MANHOLE
MOORE	S20614	10/26/2006	2,000	POWER FAILURE	FLUSHED	REPLACED	
MOORE	S20614	3/4/2004	2,000	RAIN			
MOORE	S20614	8/30/2003	2,000	RAIN	HTH	NEW LINES UNDER CONSTRUCTION	LIFT STATION
MOORE	S20614	12/25/2011	1,600	BLOCKAGE IN MAIN SEWER LINE	HTH & FLOWED A FIRE HYDRANT	FLUSHED LINE	
MOORE	S20614	1/25/2012	1,500	RAIN & DEBRIS	HTH	INSTALL BAR SCREENS	LIFT STATION
MOORE	S20614	4/30/2009	1,500	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	6/17/2008	1,500	RAIN	C & D	CONSENT ORDER	
MOORE	S20614	3/7/2007	1,500	MANHOLE LINER IN MAIN	HTH	FLUSHED	
MOORE	S20614	9/10/2004	1,500	COMPUTOR FAILURE	CLEANED	EVALUATE SYSTEM & MAKE ADJUSTMENTS	
MOORE	S20614	4/26/2004	1,500	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	9/7/2003	1,500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	9/5/2003	1,500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	3/4/2004	1,400	RAIN			
MOORE	S20614	2/10/2001	1286	LINE STOPPAGE	HTH'D & FLUSHED WITH FRESH WATER	LINE UNSTOPPED	
MOORE	S20614	2/10/2001	1,286	LINE STOPPAGE	HTH	FLUSHED	
MOORE	S20614	2/11/2001	1286	LINE STOPPAGE	HTH'D & FLUSHED WITH FRESH WATER	LINE UNSTOPPED	
MOORE	S20614	2/11/2001	1,286	LINE STOPPAGE	HTH	FLUSHED	
MOORE	S20614	10/11/2000	1,272	STOPPAGE	HTH	FLUSHED	
MOORE	S20614	3/4/2004	1,200	RAIN			
MOORE	S20614	3/4/2012	1,000	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	3/19/2011	1,000	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	11/19/2010	1,000	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	11/18/2010	1,000	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	7/12/2010	1,000	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	6/20/2010	1,000	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	5/15/2010	1,000	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	9/8/2009	1,000	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	11/15/2008	1,000	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	9/4/2008	1,000	COLLAPSED LINE	HTH	REPLACING	
MOORE	S20614	9/3/2008	1,000	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	6/9/2008	1,000	RAIN	HTH	CONSENT ORDER	
MOORE	S20614	4/10/2008	1,000	RAIN	HTH		MANHOLE
MOORE	S20614	3/19/2008	1,000	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	3/12/2008	1,000	BLOCKAGE	HTH	FLUSHED	

MOORE	S20614	10/24/2006	1,000	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	4/11/2006	1,000	VANDALISM	HTH	FLUSHED	
MOORE	S20614	3/3/2006	1,000	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	3/4/2004	1,000	RAIN			
MOORE	S20614	1/25/2004	1,000	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	12/6/2003	1,000	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	8/30/2003	1,000	RAIN	HTH	NEW LINES	LIFT STATION
MOORE	S20614	6/29/2003	1,000	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	6/9/2003	1,000	DEBRIS	HTH	CLEANED	MANHOLE
MOORE	S20614	3/6/2003	1,000	FROZEN FLOATS	HTH	INSULATE PIPE	LIFT STATION
MOORE	S20614	2/12/2010	900	VANDALISM	HTH		
MOORE	S20614	4/22/2009	800	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	1/25/2005	800	BREAK IN LINE	HTH	REPAIR	
MOORE	S20614	11/13/2004	800	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	3/17/2004	800	BLOCKAGE	C & S	FLUSHED	
MOORE	S20614	12/8/2003	800	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	6/3/2005	750	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	1/11/2010	700	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	5/11/2010	600	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	2/16/2010	600	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	5/21/2007	600	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	4/16/2007	600	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	4/12/2007	600	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	2/26/2007	600	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	7/25/2005	600	CONTRACTOR HIT LINE	HTH		
MOORE	S20614	11/19/2000	600	LINE STOPPAGE	CLEANED	FLUSHED	
MOORE	S20614	8/30/2011	500	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	5/1/2011	500	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	3/21/2011	500	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	3/3/2011	500	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	6/1/2010	500	ROCKS/ VANDALISM	HTH	SECURE LID	MANHOLE
MOORE	S20614	4/18/2010	500	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	3/24/2010	500	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	2/13/2010	500	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	1/21/2010	500	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	12/16/2009	500	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	5/8/2009	500	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	1/28/2009	500	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	12/23/2008	500	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	12/5/2008	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	9/21/2008	500	BLOCKAGE	HTH	FLUSH	
MOORE	S20614	9/11/2008	500	GREASE	HTH	FLUSHED	
MOORE	S20614	7/8/2008	500	BLOCKAGE	HTH	FLUSHED	

MOORE	S20614	4/21/2008	500	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	3/28/2008	500	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	3/17/2008	500	RAIN	HTH	FLUSHED	
MOORE	S20614	11/22/2007	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	8/22/2007	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	6/29/2007	500	RAIN			
MOORE	S20614	6/29/2007	500	RAIN			
MOORE	S20614	6/29/2007	500	RAIN			
MOORE	S20614	4/19/2007	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	2/21/2007	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	2/8/2007	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	2/7/2007	500	GREASE	HTH	FLUSHED	
MOORE	S20614	1/8/2007	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	1/9/2007	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	12/22/2006	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	4/20/2006	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	9/28/2005	500	DEBRIS	HTH	FLUSHED	
MOORE	S20614	9/25/2005	500	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	9/18/2005	500	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	6/4/2005	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	3/22/2005	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	3/5/2005	500	GREASE	HTH	FLUSHED	
MOORE	S20614	1/14/2005	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	1/1/2005	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	11/8/2004	500	GREASE	HTH	FLUSHED	
MOORE	S20614	8/23/2004	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	2/29/2004	500	VANDALISM	HTH	FLUSHED	
MOORE	S20614	1/23/2004	500	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	1/8/2004	500	VANDALISM	HTH	SEALED MH	MANHOLE
MOORE	S20614	1/9/2004	500	VANDALISM	HTH	SEALED	MANHOLE
MOORE	S20614	12/30/2003	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	12/22/2003	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	11/30/2003	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	11/20/2003	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	10/22/2003	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	9/5/2003	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	9/2/2003	500	DEBRIS	HTH	FLUSHED	MANHOLE
MOORE	S20614	9/2/2003	500	RAIN	HTH	FLUSHED	
MOORE	S20614	4/4/2003	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	3/30/2003	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	3/3/2003	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	1/21/2003	500	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	4/15/2002	500	COLLAPSED LINE	HTH	REPLACE	

MOORE	S20614	2/8/2010	400	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	8/29/2008	400	CITY PUMPING ERROR	HTH	INFORMED CREW	
MOORE	S20614	11/22/2005	400	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	11/22/2005	400	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	3/15/2004	400	BLOCKAGE	C & D	FLUSHED	MANHOLE
MOORE	S20614	3/25/2005	350	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	6/14/2004	350	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	3/17/2012	300	BLOCKAGE	WASHED	FLUSHED	MANHOLE
MOORE	S20614	3/4/2012	300	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	12/26/2011	300	BLOCKAGE IN SEWER MAIN	HTH & FLOWED FIRE HYDRANT	FLUSHED SEWER MAIN	
MOORE	S20614	6/17/2010	300	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	2/16/2010	300	BLOCKAGE	NONE	FLUSHED	MANHOLE
MOORE	S20614	7/1/2009	300	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	4/4/2009	300	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	6/1/2008	300	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	7/10/2007	300	RAIN			
MOORE	S20614	3/21/2007	300	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	3/3/2007	300	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	2/9/2007	300	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	11/11/2004	300	ROOTS	HTH	FLUSHED	
MOORE	S20614	3/13/2004	300		C & D	JETTED	
MOORE	S20614	11/8/2000	252	RAIN	FLUSHED		
MOORE	S20614	3/19/2012	250	RAIN	HTH		MANHOLE
MOORE	S20614	2/16/2011	250	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	6/14/2008	250	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	5/16/2008	250	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	4/24/2008	250	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	7/20/2007	250	GREASE	HTH	FLUSHED	
MOORE	S20614	7/20/2007	250	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	1/21/2006	250	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	1/19/2005	250	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	6/15/2004	250	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	6/10/2003	250	DEBRIS	HTH	FLUSHED	MANHOLE
MOORE	S20614	6/26/2012	200	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	5/10/2012	200	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	4/21/2011	200	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	3/14/2011	200	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	1/27/2011	200	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	5/11/2010	200	DEBRIS FROM STORM	CLEANED	FLUSHED	MANHOLE
MOORE	S20614	3/19/2010	200	BLOCKAGE		FLUSHED	MANHOLE
MOORE	S20614	3/9/2010	200	BLOCKAGE		FLUSHED	MANHOLE
MOORE	S20614	2/22/2010	200	BLOCKAGE		FLUSHED	MANHOLE
MOORE	S20614	11/28/2009	200	BLOCKAGE	HTH	FLUSHED	MANHOLE

MOORE	S20614	6/15/2008	200	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	4/28/2008	200	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	4/15/2008	200	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	12/4/2007	200	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	4/26/2007	200	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	4/12/2007	200	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	2/16/2007	200	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	5/22/2006	200	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	10/3/2005	200	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	5/1/2005	200	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	3/28/2005	200	GREASE & DEBRIS	HTH	FLUSHED	
MOORE	S20614	3/1/2005	200	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	1/25/2005	200	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	6/25/2004	200	MAIN BREAK	HTH	REPAIR	
MOORE	S20614	5/19/2004	200	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	12/23/2003	200	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	11/11/2003	175	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	7/19/2006	160	LINE BREAK	HTH	REPAIR	
MOORE	S20614	3/26/2012	150	STOPPAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	12/29/2011	150	PUMP FAILURE	C & D	REPLACED PUMPS	
MOORE	S20614	12/6/2011	150	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	10/6/2010	150	BLOWN FUSE & DOWN LINE	HTH	REPLACE FUSE & LINE REPAIRS	LIFT STATION
MOORE	S20614	12/21/2009	150	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	10/15/2009	150	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	11/12/2006	150	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	9/8/2006	150	COLLAPSED MAIN	HTH	REPAIR	
MOORE	S20614	12/23/2005	150	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	12/25/2005	150	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	11/5/2005	150	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	2/4/2005	150	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	2/6/2004	150	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	11/28/2003	150	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	7/31/2003	150	DEBRIS	HTH	FLUSHED	
MOORE	S20614	9/27/2002	150	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	9/23/2003	120	FOAMING	HTH	PLUGGED	
MOORE	S20614	9/17/2003	105	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	8/1/2012	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	7/11/2012	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	6/28/2012	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	4/11/2012	100	ROOTS & GREASE	WASHED	ROOT CUT & FLUSHED	PIPE
MOORE	S20614	3/29/2012	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	3/26/2012	100	ROOTS	HTH	FLUSHED	MANHOLE

MOORE	S20614	3/11/2012	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	3/5/2012	100	DEBRIS	HTH	FLUSHED	MANHOLE
MOORE	S20614	12/9/2011	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	12/7/2011	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	11/20/2011	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	8/29/2011	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	5/21/2011	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	4/9/2011	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	4/9/2011	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	3/23/2011	100	BROKEN MAIN	HTH	REPAIR	MANHOLE
MOORE	S20614	3/19/2011	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	12/2/2010	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	12/1/2010	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	11/23/2010	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	10/24/2010	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	3/24/2010	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	12/19/2009	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	12/19/2009	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	12/21/2009	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	12/1/2009	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	12/19/2008	100	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	4/3/2008	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	2/7/2008	100	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	2/7/2008	100	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	12/6/2007	100	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	11/27/2007	100	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	2/20/2007	100	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	2/20/2007	100	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	2/4/2007	100	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	12/14/2006	100	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	12/7/2006	100	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	10/9/2006	100	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	9/8/2006	100	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	8/11/2006	100	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	8/7/2006	100	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	5/19/2006	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	2/3/2006	100	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	1/3/2006	100	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	1/2/2006	100	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	6/30/2005	100	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	5/30/2005	100	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	3/19/2005	100	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	2/14/2005	100	BLOCKAGE	HTH	FLUSHED	MANHOLE

MOORE	S20614	8/23/2004	100	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	3/7/2004	100	BLOCKAGE	C & S	FLUSHED	
MOORE	S20614	11/30/2003	100	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	11/20/2003	100	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	11/9/2003	100	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	10/14/2003	100	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	7/11/2003	100	DEBRIS	HTH	FLUSHED	
MOORE	S20614	8/16/2002	100	OVERFLOW	C & D	CONSTRUCTION	LIFT STATION
MOORE	S20614	5/7/2002	100	BLOCKAGE	HTH	LIST	
MOORE	S20614	5/9/2001	100	LINE STOPPAGE	DISINFECT	FLUSHED	
MOORE	S20614	1/20/2012	75	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	8/28/2005	75	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	8/2/2012	50	BLOCKAGE	HTH	REPLACE	MANHOLE
MOORE	S20614	7/12/2012	50	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	7/2/2012	50	BLOCKAGE	HTH	JETTED	MANHOLE
MOORE	S20614	5/25/2012	50	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	4/18/2012	50	GREASE	FLOWED HYDRANT	FLUSHED	MANHOLE
MOORE	S20614	10/29/2011	50	L.S. MALFUNCTION	HTH	CONTROL PANEL REPAIR	LIFT STATION
MOORE	S20614	9/7/2011	50	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	3/16/2010	50	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	10/3/2009	50	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	6/29/2009	50	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	3/19/2009	50	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	4/29/2008	50	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	11/27/2007	50	GREASE	HTH	FLUSHED	MANHOLE
MOORE	S20614	9/9/2007	50	RAIN	HTH		
MOORE	S20614	9/9/2007	50	RAIN	C & S		
MOORE	S20614	2/14/2006	50	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	9/13/2005	50	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	1/18/2005	50	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	8/28/2003	50	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	10/5/2002	50	GREASE	HTH	FLUSHED	
MOORE	S20614	8/6/2012	25	BLOCKAGE	HTH	FLUSHED	PIPE
MOORE	S20614	7/20/2012	25	ROOTS	HTH	FLUSHED	MANHOLE
MOORE	S20614	7/6/2012	25	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	2/1/2012	25	ROOTS	CLEAN	ROOT CONTROL	MANHOLE
MOORE	S20614	1/20/2012	25	BLOCKAGE	HTH	FLUSHED	MANHOLE
MOORE	S20614	10/10/2003	25	BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	8/13/2007	10	LINE BLOCKAGE	HTH	FLUSHED	
MOORE	S20614	11/16/2003	5	BLOCKAGE	HTH	FLUSHED	