

Appendix A

Surface Water Monitoring Data Results

1998-2023

Compiled by the Town of Plymouth
Data Collected by Camp Dresser & McKee (prior to 2006) and the Town of Plymouth

Analytical Footer:

- (1) ND = Not Detected
- (2) NM = Not Measured
- (3) NA = Not Applicable
- (4) NAL = Not Allowed to Sample Analyte per Property Owner
- (5) AD= Access Denied by Property Owner
- (6) ---- = Prior to Town Sampling Program, likely NA
- (7) E-failure = Equipment Failure
- (8) Analytical abbreviations are as follows:
 - TKN = Total Kjeldahl Nitrogen
 - Ortho P = Orthophosphate
 - Total P= Total Phosphorus
 - TDS = Total Dissolved Solids
 - TDN = Total Dissolved Nitrogen
 - DON = Dissolved Organic Nitrogen
 - DIN = Dissolved Inorganic Nitrogen
 - POC = Particulate Organic Carbon
 - PON = Particulate Organic Nitrogen

Total Nitrogen Calculation

Please note the following:

Total nitrogen calculations may differ depending on method of determining total nitrogen. Total nitrogen can be determined by adding TKN + NO₃ + NO₂

2006 thru current Total Nitrogen calculated by DON +PON + NO₂ + NO₃ + NH₃. Prior to 2006 TN calculated either by TDN +PON or TKN +NO₂ + NO₃.

Non-detect values are given half the detection limit in the TN calculation.

Surface Water Sampling Locations and Schedule
(in order of sampling)

Location ID	Description	Required by NMF	Schedule
S-5B	Downstream of Warren Avenue Bridge	R	5x/yr
S-17	End of dock at 16 Eel River Circle		1x/yr
S-4B	Downstream of Clifford Rd Bridge		1x/yr
S-4A	Howland Pond, at Clifford Rd Bridge, u/s of dam	R	5x/yr
S-11	Upstream of Howland Pond. At outlet upstream of bridge		1x/yr
S-15	At outlet of Forge Pond		1x/yr
S-16	Inlet of Forges Pond off Old Sandwich Road near bog		1x/yr
S-18	Outlet from lower bog off Old Sandwich Road		1x/yr
S-19	Outlet from upper bog off Old Sandwich Road		1x/yr
S-20	Pond south of Forge Pond		1x/yr
S-3B	Downstream of Hayden Pond, directly downstream of bridge off Sandwich Rd. Across from 128 Sandwich Rd.		1x/yr
S-3A	Hayden Pond, upstream of fish ladder	R	5x/yr
S-2A	Russell Mill Pond –DEEP Location		1x/yr
S-2C	Off Russell Mill Pond Rd. Downstream of dam		1x/yr
S-2B	24 Russell Mill Pond Rd – Enos Property. From end of dock. Access denied Fall 2011 for future sampling.	R	5x/yr
S-1	Russell Mill Pond Rd – prior to hatchery take left on dirt road. Bear right at fork and follow to water. Note: Access denied as of November 2009	R	5x/yr
S-9A	Gilbert fish hatchery, upstream of hatchery near pumphouse in bog.		1x/yr
S-6B	The Nature Conservancy – downstream of dam. Between dam and outlet to Russell Mill Pond		1x/yr
S-6A	The Nature Conservancy – in Pond upstream of dam	R	5x/yr
S-12	Downstream of bend after culvert along Long Pond Rd		1x/yr
S-13	Upstream of first bog south of Long Pond Rd		1x/yr
S-14	At headwaters – near tupelo tree, second to last bog		1x/yr
S-7	In Harbor near Poverty Point	R	2x/yr
S-10	In Harbor near jetty	R	2x/yr

These locations were added to sampling program in 2006: S-11, S-12, S-13, S-14, S-15, S-16, S-17, S-18, S-19 & S-20
Note: 1x/yr for additional locations may consist of some or all of the locations as well as more than 1x/yr.

S-1

Surface Water Sampling

Analytical Data

Station ID	Date	Time	Boron (mg/L)	Chloride (mg/L)	TDS (mg/L)	Ortho P (mg/L)	Total P (mg/L)	Re-issued TP	TKN (mg/L)	Ammonia-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Total Nitrogen (mg/L)	Re-issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re-issued DON	PON (mg/L)	Re-issued PON	POC (mg/L)	Chlorophyll-a (ug/L)
S-1	28-May-98	---	AD	AD	AD	AD	AD	---	---	AD	AD	AD	---	---	---	---	---	---	---	---	---	AD
S-1	29-Jun-98	---	AD	AD	AD	AD	AD	---	AD	AD	AD	AD	---	---	---	---	---	---	---	---	---	AD
S-1	04-Aug-98	2:40:00 PM	0.022	17.8	78	0.014	0.021	---	0.53	0.122	0.182	ND	0.854	---	---	---	---	---	---	---	---	0.843
S-1	25-Aug-98	2:30:00 PM	<0.02	16.6	100	0.022	ND	---	0.21	ND	0.202	ND	0.482	---	---	---	---	---	---	---	---	ND
S-1	18-Sep-98	3:00:00 PM	<0.02	16.2	140	0.017	0.027	---	ND	nd	0.176	ND	0.346	---	---	---	---	---	---	---	---	0.89
S-1	20-Nov-98	---	<0.02	17.5	60	0.021	0.032	---	0.322	nd	0.204	ND	0.596	---	---	---	---	---	---	---	---	0.44
S-1	24-Feb-99	---	NM	NM	NM	NM	NM	---	NM	NM	NM	NM	---	---	---	---	---	---	---	---	---	NM
S-1	03-Jun-99	---	<0.02	18	60	0	0.036	---	NA	0.145	0.174	NA	0.62	---	0.575	0.32	0.256	---	0.045	---	43.4	0.8
S-1	22-Jun-99	---	<0.02	15	180	0.026	0.046	---	NA	0.096	0.174	NA	0.514	---	0.439	0.27	0.17	---	0.074	---	87.3	<0.4
S-1	19-Jul-99	---	0.029	17	52	0.029	0.041	---	NA	0.069	0.143	NA	0.352	---	0.299	0.213	0.087	---	0.053	---	39.1	0.44
S-1	18-Aug-99	---	0.066	16	<10	0.03	0.048	---	NA	0.086	0.161	NA	0.477	---	0.436	0.247	0.188	---	0.042	---	25.7	1.5
S-1	28-Sep-99	---	<0.02	16	84	0.027	0.066	---	NA	0.062	0.174	NA	0.509	---	0.332	0.236	0.096	---	0.177	---	160.6	1.6
S-1	17-Nov-99	---	<0.02	17	78	0.02	0.037	---	NA	0.118	0.202	NA	0.528	---	0.475	0.319	0.156	---	0.052	---	46.6	0.43
S-1	22-Feb-00	---	nm	nm	NM	NM	NM	---	NA	NM	NM	NM	---	---	NM	NM	NM	---	NM	---	NM	NM
S-1	28-Feb-01	---	nm	nm	NM	NM	NM	---	NA	NM	NM	NM	---	---	NM	NM	NM	---	NM	---	NM	NM
S-1	26-Jul-01	---	<0.02	16	84	0.023	0.018	---	NA	0.131	0.188	NA	0.697	---	0.635	0.319	0.316	---	0.062	---	0.603	<0.4
S-1	06-Aug-02	---	<0.02	18	96	0.03	0.04	---	NA	0.1	---	---	0.54	---	0.47	0.26	0.21	---	0.06	---	0.6	<0.4
S-1	01-Oct-02	---	<0.02	16	96	0.03	0.04	---	---	0.07	---	---	0.55	---	0.49	0.24	0.25	---	0.06	---	0.61	<0.4
S-1	14-Nov-02	---	---	---	---	0.036	0.059	---	---	0.093	---	---	1.036	---	0.939	0.298	0.641	---	0.096	---	0.725	---
S-1	26-Mar-03	---	<0.02	16	46	0.085	0.132	---	---	0.045	---	---	1.165	---	1.113	0.315	0.798	---	0.052	---	0.474	---
S-1	03-Jun-03	---	<0.02	16	52	0.018	0.045	---	---	0.085	---	---	0.682	---	0.615	0.359	0.256	---	0.067	---	0.6	0.8
S-1	24-Jun-03	---	<0.02	16	74	0.015	0.039	---	---	0.068	---	---	1.044	---	1	0.073	0.927	---	0.044	---	0.401	<0.4
S-1	17-Jul-03	---	<0.02	17	66	0.007	0.014	---	---	0.069	---	---	0.981	---	0.945	0.324	0.621	---	0.036	---	0.379	<0.4
S-1	27-Aug-03	---	<0.02	17	84	0.032	0.06	---	---	0.053	---	---	0.772	---	0.729	0.283	0.446	---	0.043	---	0.347	---
S-1	18-Sep-03	---	<0.02	17	56	0.018	0.027	---	---	0.107	---	---	0.825	---	0.679	0.324	0.356	---	0.145	---	1.254	<0.4
S-1	11-Nov-03	---	<0.02	17	84	0.024	0.032	---	---	0.089	---	---	0.544	---	0.544	0.37	0.174	---	---	---	---	<0.4
S-1	23-Jun-04	---	<0.02	---	62	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.4
S-1	26-Jul-04	---	<0.02	---	54	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.4
S-1	06-Mar-06	1:35:00 PM	<0.10	28	84	<0.10	<0.5	NA	---	<0.20	0.38	<0.05	1	---	<0.50	0.5	<0.5	---	<0.50	---	<0.50	2.1
S-1	13-Jul-06	11:50:00 AM	<0.01	31	88	0.026	0.036	NA	3	<0.010	0.36	<0.0010	3.3955	---	1	0.38	0.63	---	2.4	---	---	1.3
S-1	07-Aug-06	11:15:00 AM	<0.01	32	110	0.011	1	NA	3.6	0.45	0.34	<0.0037	3.9	---	0.34	0.41	<0.26	---	3.1	---	1.1	24
S-1	19-Sep-06	2:05:00 PM	<0.03	36.3	116	0.0266	<0.132	0.107	---	0.193	0.306	0.306	1.85	1.847	1.5	0.42	0.98	0.977	<0.13	<0.130	<1.0	---
S-1	30-Oct-06	10:00:00 AM	<0.0300	38	91	0.0096	<0.132	0.101	---	0.265	0.36	<0.0100	1.495	1.49	1.4	0.538	0.8	0.795	<0.13	<0.130	<1.0	NM

S-1
Surface Water Sampling
Analytical Data

Station ID	Date	Time	Boron (mg/L)	Chloride (mg/L)	TDS (mg/L)	Ortho P (mg/L)	Total P (mg/L)	Re-issued TP	TKN (mg/L)	Ammonia-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Total Nitrogen (mg/L)	Re-issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re-issued DON	PON (mg/L)	Re-issued PON	POC (mg/L)	Chlorophyll-a (ug/L)
S-1	10-Apr-07	10:30:00 AM	<0.0300	37.2	95	<0.0257	<0.132	0.0667	---	0.14	0.39	<0.0220	1.445	1.314	1.2	0.512	0.71	0.708	<0.39	<0.130	<1.0	---
S-1	09-Jul-07	11:35:00 AM	<0.0300	37.2	95	<0.0257	<0.132	0.0532	---	<0.130	0.356	<0.0220	1.147	1.013	0.99	0.499	0.52	0.516	<0.39	<0.130	<1.0	---
S-1	06-Aug-07	10:50:00 AM	<0.0300	38.4	81	<0.0257	<0.132	<0.0400	---	<0.130	0.355	<0.0220	1.296	1.164	1.1	0.684	0.67	0.668	<0.39	<0.130	1.9	---
S-1	12-Sep-07	9:35:00 AM	<0.0300	39.1	85	0.0283	<0.132	0.0556	---	0.218	0.364	<0.0220	0.983	1.048	0.98	0.477	<0.39	0.39	<0.39	<0.130	1.4	0
S-1	04-Oct-07	10:50:00 AM	<0.0300	35	99	0.0316	<0.132	0.0817	---	0.251	0.363	<0.0220	1.015	0.854	0.78	0.425	<0.39	0.164	<0.39	<0.130	<1.0	0.6
S-1	10-Apr-08	10:15:00 AM	<0.0300	38.8	131	<0.0257	<0.132	<0.0400	---	0.178	0.459	<0.0220	1.038	0.778	0.71	0.56	<0.39	<0.130	<0.39	<0.130	<1.0	0.97
S-1	29-Jul-08	11:40:00 AM	<0.0300	39.6	189	<0.0257	0.726	0.726	---	0.713	0.292	<0.0220	1.681	1.549	0.75	0.513	<0.39	<0.130	0.47	0.468	<1.0	2.9
S-1	28-Aug-08	10:40:00 AM	<0.0300	22.9	106	<0.020	<0.132	<0.0400	---	<0.130	0.116	0.0423	0.9183	0.7853	0.63	0.288	0.5	0.497	<0.39	<0.130	18	2.1
S-1	17-Sep-08	9:50:00 AM	0.046	36.8	101	<0.020	0.06	0.06	---	0.148	0.343	<0.0220	0.892	0.852	0.45	<0.130	<0.39	0.285	<0.39	<0.130	<1.0	<0.500
S-1	21-Oct-08	10:55:00 AM	0.068	38.7	93	0.024	<0.132	<0.0400	---	<0.130	0.27	<0.0070	0.7285	0.7855	0.75	0.485	<0.39	0.382	<0.39	<0.130	<1.0	1.12
S-1	13-Apr-09	12:15:00 PM	<0.0300	41.9	67	<0.0257	---	<0.0400	---	0.227	0.45	<0.0220	---	1.097	1	0.572	---	0.344	---	<0.130	<1.0	6.33
S-1	31-Jul-09	9:00:00 AM	<0.010	43.6	98	0.019	0.057	NA	0.77	<0.10	0.36	<0.004	1.182	NA	0.85	0.36	0.49	NA	0.28	NA	<0.5	8.3
S-1	27-Aug-09	9:30:00 AM	<0.010	41.9	83	0.033	0.107	NA	0.7	<0.10	0.34	<0.004	1.192	NA	1.04	0.34	0.7	NA	<0.2	NA	1.4	1.1

Acess denied by property owner from this point forward

S-2

Surface Water Sampling

Analytical Data

Station ID	Date	Time	Boron (mg/L)	Chloride (mg/L)	TDS (mg/L)	Ortho P (mg/L)	Total P (mg/L)	Re-issued TP	TKN (mg/L)	Ammonia-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Total Nitrogen (mg/L)	Re-issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re-issued DON	PON (mg/L)	Re-issued PON	POC (mg/L)	Chlorophyll-a (ug/L)
S-2A	28-May-98	---	0.063	14.7	38	<0.01	<0.05	---	<0.2	<0.1	NA	<0.05	---	---	---	---	---	---	---	---	---	4.05
S-2A	29-Jun-98	---	0.022	14.3	28	<0.01	<0.05	---	0.9	<0.1	NA	<0.05	---	---	---	---	---	---	---	---	---	9.27
S-2A	03-Jun-99	---	<0.02	15	78	0.213	0.255	---	NA	0.422	0.002	NA	1.129	---	0.778	0.424	0.355	---	0.35	---	187	3.2
S-2A	22-Jun-99	---	<0.02	13.3	74	0.009	0	---	NA	0.034	0.001	NA	0.693	---	0.32	0.035	0.285	---	0.373	---	192.8	12
S-2A	19-Jul-99	---	0.022	14	52	0.006	0.112	---	NA	0.009	0.006	NA	0.98	---	0.212	0.015	0.197	---	0.768	---	423.8	28
S-2A	18-Aug-99	---	0.02	14	58	0.002	0.112	---	NA	0.01	0.001	NA	1.116	---	0.278	0.011	0.267	---	0.838	---	434.2	3.3
S-2A	28-Sep-99	---	0.03	15	72	0.036	0.071	---	NA	0.041	0.024	NA	0.403	---	0.251	0.064	0.187	---	0.151	---	73.7	6.4
S-2A	17-Nov-99	---	<0.02	15	86	0.009	0.032	---	NA	0.011	0.003	NA	0.467	---	0.221	0.013	0.208	---	0.245	---	131.5	31
S-2A	22-Feb-00	---	NM	NM	NM	NM	NM	---	NA	NM	NM	NA	---	---	NM	NM	NM	---	NM	---	NM	NM
S-2A	28-Feb-01	---	NM	NM	NM	NM	NM	---	NA	NM	NM	NA	---	---	NM	NM	NM	---	NM	---	NM	NM
S-2A	26-Jul-01	---	<0.02	12	84	0.198	0.211	---	NA	0.02	0.002	NA	1.514	---	0.578	0.022	0.556	---	0.936	---	7.072	2.7
S-2A	06-Aug-02	---	<0.02	16	84	0.07	0.11	---	NA	0.29	---	---	1.39	---	0.53	0.3	0.23	---	0.86	---	4.72	4.4
S-2A	01-Oct-02	---	<0.02	14	84	0.01	0.06	---	---	0.03	---	---	0.6	---	0.4	0.04	0.36	---	0.2	---	1.69	6.7
S-2A	14-Nov-02	---	---	---	---	<0.003	0.02	---	---	0.035	---	---	1.232	---	0.998	0.171	0.827	---	0.234	---	1.489	---
S-2A	26-Mar-03	---	<0.02	14	48	0.018	0.06	---	---	0.005	---	---	0.669	---	0.371	0.056	0.315	---	0.298	---	1.766	3.6
S-2A	03-Jun-03	---	<0.02	15	54	0.003	0.045	---	---	0.013	---	---	0.693	---	0.41	0.033	0.377	---	0.282	---	1.862	6.4
S-2A	24-Jun-03	---	<0.02	15	64	0.006	0.044	---	---	0.035	---	---	0.702	---	0.501	0.056	0.444	---	0.202	---	1.423	6
S-2A	17-Jul-03	---	<0.02	16	68	0.001	0.001	---	---	0.003	---	---	0.904	---	0.587	0.014	0.573	---	0.317	---	2.031	20
S-2A	27-Aug-03	---	<0.02	18	78	0.009	0.018	---	---	0.031	---	---	1.192	---	0.798	0.078	0.72	---	0.394	---	2.16	---
S-2A	18-Sep-03	---	<0.02	16	60	0.016	0.037	---	---	0.05	---	---	1.432	---	0.624	0.109	0.515	---	0.808	---	4.407	14
S-2A	11-Nov-03	---	<0.02	15	84	0.013	0.036	---	---	0.037	---	---	0.378	---	0.377	0.207	0.17	---	---	---	---	0.5
S-2A	23-Jun-04	---	0.02	---	62	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.4
S-2A	26-Jul-04	---	<0.02	---	68	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	16
S-2B	06-Aug-02	---	<0.02	15	82	0	0.02	---	NA	0.04	---	---	0.77	---	0.34	0.1	0.24	---	0.43	---	2.31	7.2
S-2B	01-Oct-02	---	<0.02	13	82	0.01	0.04	---	---	0.02	---	---	0.47	---	0.24	0.03	0.21	---	0.23	---	1.57	9
S-2B	14-Nov-02	---	---	---	---	0.004	0.018	---	---	0.024	---	---	0.501	---	0.342	0.161	0.181	---	0.159	---	0.943	---
S-2B	26-Mar-03	---	<0.02	13	54	0.018	0.062	---	---	0.009	---	---	0.678	---	0.465	0.098	0.367	---	0.214	---	1.379	<0.4
S-2B	03-Jun-03	---	<0.02	14	54	0.003	0.049	---	---	0.038	---	---	0.932	---	0.729	0.051	0.678	---	0.203	---	2.217	5.3
S-2B	24-Jun-03	---	<0.02	14	66	0.004	0.024	---	---	0.011	---	---	0.294	---	0.182	0.202	0.162	---	0.112	---	0.789	2.4
S-2B	17-Jul-03	---	<0.02	14	56	0.001	0.003	---	---	<0.007	---	---	0.732	---	0.609	0.004	0.605	---	0.12	---	0.965	<0.4
S-2B	27-Aug-03	---	<0.02	15	60	0.014	0.026	---	---	0.031	---	---	1.473	---	0.854	0.049	0.805	---	0.619	---	3.38	<0.4
S-2B	18-Sep-03	---	<0.02	15	70	0.011	0.039	---	---	0.067	---	---	1.272	---	0.54	0.107	0.433	---	0.731	---	4.201	12
S-2B	11-Nov-03	---	<0.02	14	76	0.015	0.029	---	---	0.018	---	---	0.346	---	0.346	0.182	0.164	---	---	---	---	0.8
S-2B	23-Jun-04	---	<0.02	---	52	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2.4
S-2B	26-Jul-04	---	<0.02	---	66	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.2
S-2B	06-Mar-06	1:15:00 PM	<0.10	16	52	<0.10	<0.5	---	---	<0.20	0.14	<0.05	<0.50	---	<0.50	0.2	<0.5	---	<0.50	---	0.5	31
S-2B	13-Jul-06	11:15:00 AM	<0.01	17	46	0.022	0.018	---	0.32	<0.011	<0.0050	<0.0010	---	---	<0.26	0.082	<0.26	---	0.32	---	---	15
S-2B	07-Aug-06	10:45:00 AM	<0.01	18	32	<0.010	0.032	NA	<0.26	0.05	0.06	<0.0037	0.3718	---	<0.26	0.9	<0.26	---	<0.26	---	0.5	11

S-2
Surface Water Sampling
Analytical Data

Station ID	Date	Time	Boron (mg/L)	Chloride (mg/L)	TDS (mg/L)	Ortho P (mg/L)	Total P (mg/L)	Re-issued TP	TKN (mg/L)	Ammonia-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Total Nitrogen (mg/L)	Re-issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re-issued DON	PON (mg/L)	Re-issued PON	POC (mg/L)	Chlorophyll-a (ug/L)
S-2B	19-Sep-06	1:50:00 PM	<0.03	19.6	52	<0.0257	<0.132	<0.0400	---	<0.130	1.45	<0.0220	2.521	2.521	2.5	1.6	0.93	0.93	<0.13	<0.130	<1.0	---
S-2B	30-Oct-06	9:45:00 AM	<0.0300	20.1	83	<0.0	<0.132	<0.0400	---	<0.130	<0.100	<0.0100	0.7479	0.78	0.68	0.178	0.6	0.595	<0.13	<0.130	<1.0	NS
S-2B	10-Apr-07	10:10:00 AM	<0.0300	20	60.0	<0.0257	<0.132	0.0448	---	<0.130	0.0324	<0.0220	0.9834	0.8514	0.83	0.13	0.68	0.678	<0.39	<0.130	<1.0	---
S-2B	09-Jul-07	11:10:00 AM	<0.0300	19.9	65	<0.0257	<0.132	<0.0400	---	<0.130	<0.0257	<0.0220	0.71385	0.58085	0.57	0.176	0.43	0.427	<0.39	<0.130	<1.0	---
S-2B	06-Aug-07	10:40:00 AM	<0.0300	21.1	44	<0.0257	<0.132	<0.0400	---	0.132	<0.0257	<0.0220	0.99085	0.86585	0.81	0.178	0.64	0.645	<0.39	<0.130	<1.0	---
S-2B	12-Sep-07	9:25:00 AM	<0.0300	21.9	58	<0.0257	<0.132	<0.0400	---	0.133	0.0421	<0.0220	0.841	0.7151	0.64	<0.130	0.46	0.464	<0.39	<0.130	<1.0	NS
S-2B	04-Oct-07	10:35:00 AM	<0.0300	21.2	74	0.0639	<0.132	<0.0400	---	<0.130	0.132	<0.0220	1.043	0.914	0.82	0.19	0.64	0.641	<0.39	<0.130	<1.0	4.1
S-2B	10-Apr-08	9:55:00 AM	<0.0300	20.4	86	<0.0257	<0.132	<0.0400	---	<0.130	0.214	<0.0220	0.68	0.42	0.45	0.268	<0.39	<0.130	<0.39	<0.130	1.4	12.6
S-2B	29-Jul-08	11:25:00 AM	<0.0300	23.1	167	0.0737	0.998	0.998	---	<0.130	0.0374	<0.0220	0.9484	0.8164	0.78	<0.130	0.64	0.638	<0.39	<0.130	<1.0	7.8
S-2B	28-Aug-08	10:20:00 AM	<0.0300	20.3	56	<0.020	<0.132	<0.0400	---	<0.130	0.0386	0.0257	0.7243	0.5983	0.73	0.172	0.4	0.404	<0.39	<0.130	<1.0	3.8
S-2B	17-Sep-08	9:35:00 AM	<0.0300	19.8	69	<0.020	0.04	0.04	---	<0.130	<0.0270	<0.0270	0.6945	0.5625	0.48	<0.130	0.41	0.408	<0.39	<0.130	<1.0	2.8
S-2B	21-Oct-08	10:45:00 AM	<0.0300	21.5	60	0.0025	<0.132	<0.0400	---	<0.130	0.1	<0.0070	0.9035	0.7745	0.72	0.172	0.54	0.541	<0.39	<0.130	<1.0	6.58
S-2B	13-Apr-09	11:50:00 AM	<0.0300	19.3	41	<0.0257	---	<0.0400	---	0.432	0.39	<0.0220	---	0.963	0.93	0.627	---	<0.130	---	<0.130	<1.0	10.3
S-2B	31-Jul-09	8:40:00 AM	<0.010	19.9	56	0.012	0.036	NA	0.28	<0.10	<0.01	<0.004	0.967	NA	0.28	<0.10	0.28	NA	0.63	NA	<0.5	2.7
S-2B	27-Aug-09	9:00:00 AM	<0.010	20.7	60	0.016	0.069	NA	0.42	<0.10	<0.01	<0.004	0.58	NA	0.42	<0.20	0.42	NA	<0.20	NA	<0.5	NA
S-2B	30-Sep-09	10:40:00 AM	<0.010	24.1	62	0.031	0.183	NA	0.28	<0.10	<0.01	<0.004	0.437	NA	0.28	<0.20	0.28	NA	<0.20	NA	0.5	8.3
S-2B	21-Oct-09	10:15:00 AM	<0.010	22.9	74	0.072	0.105	NA	0.49	<0.10	0.17	<0.004	0.612	NA	0.37	0.27	<0.20	NA	0.29	NA	<0.50	2.4
S-2B	28-Apr-10	1:55:00 PM	<0.010	24.1	68	<0.005	0.027	NA	0.21	0.04	<0.010	<0.004	0.217	NA	0.14	0.04	0.1	NA	0.07	NA	0.2	13
S-2B	22-Jun-10	11:40:00 AM	<0.010	24.2	65	<0.005	0.09	NA	1.05	0.05	<0.01	<0.004	1.057	NA	0.91	0.05	0.86	NA	0.14	NA	0.1	5.1
S-2B	27-Jul-10	9:30:00 AM	0.014	24.6	71	<0.005	0.005	NA	0.28	<0.02	<0.01	<0.004	0.297	NA	0.21	<0.20	0.21	NA	0.07	NA	<0.50	17
S-2B	26-Aug-10	9:10:00 AM	0.035	23.9	70	<0.005	0.017	NA	0.91	0.05	0.04	<0.004	0.952	NA	0.53	0.09	0.44	NA	0.42	NA	0.1	23
S-2B	21-Sep-10	11:55:00 AM	0.011	24.6	55	<0.005	0.015	NA	0.28	0.05	<0.01	<0.004	0.287	NA	0.22	0.06	0.16	NA	0.07	NA	0.1	8.8
S-2B	20-Apr-11	9:50:00 AM	<0.010	24.1	67	<0.005	0.06	NA	0.77	0.03	<0.01	<0.004	0.777	NA	0.21	<0.2	0.18	NA	0.56	NA	<0.50	13
S-2B	24-May-11	8:45:00 AM	<0.010	21.6	61	<0.005	0.072	NA	0.49	<0.02	<0.01	<0.004	0.507	NA	0.28	<0.2	0.28	NA	0.21	NA	0.1	4.5
S-2B	13-Jun-11	10:30:00 AM	<0.010	23	56	<0.005	0.025	NA	0.35	<0.02	0.06	<0.004	0.422	NA	0.27	0.06	0.21	NA	0.14	NA	1.3	14
S-2B	26-Jul-11	11:00:00 AM	<0.010	23.9	55	<0.005	0.14	NA	0.28	<0.02	<0.01	<0.004	0.297	NA	0.21	<0.2	0.21	NA	0.07	NA	0.1	11
S-2B	12-Sep-11	11:00:00 AM	<0.010	21.5	49	<0.005	0.028	NA	<0.2	0.09	<0.01	<0.004	0.297	NA	<0.36	0.09	<0.2	NA	<0.2	NA	<0.50	7.4
S-2C	06-Mar-06	1:05:00 PM	<0.10	16	48	<0.10	<0.5	NA	---	<0.20	0.17	<0.05	0.79	NA	<0.50	0.3	<0.5	NA	<0.50	NA	<0.50	34
S-2C	13-Jul-06	11:00:00 AM	<0.01	17	60	0.021	0.022	NA	0.41	<0.011	<0.0050	<0.0010	0.5475	NA	<0.26	0.11	<0.26	NA	0.41	NA	---	19
S-2C	19-Sep-06	1:35:00 PM	<0.03	19.8	93	<0.0257	<0.132	<0.0400	---	<0.130	<0.0257	<0.0220	<0.2189	<0.2185	1.3	0.22	<0.13	<0.130	<0.13	<0.130	<1.0	---
S-2C	07-Aug-06	10:35:00 AM	<0.01	18	34	<0.010	0.04	NA	<0.26	0.092	0.079	<0.0037	0.4328	NA	<0.26	0.11	<0.26	NA	<0.26	NA	0.5	10
S-2C	06-Aug-07	10:30:00 AM	<0.0300	22.2	49	<0.0257	<0.132	<0.0400	---	0.137	0.0473	<0.0220	1.0503	0.9173	0.85	0.189	0.66	0.657	<0.39	<0.130	<1.0	---
S-2C	27-Mar-12	9:50:00 AM	0.012	26.9	63	0.009	0.04	NA	0.74	0.04	0.1	<0.004	0.842	NA	0.4	0.14	0.26	NA	0.44	NA	1.1	23
S-2C	19-Jun-12	9:45:00 AM	<0.010	26.2	65	<0.005	0.027	NA	0.29	<0.02	0.11	<0.004	0.302	NA	<0.31	0.11	<0.18	NA	0.09	NA	0.4	10.5
S-2C	19-Jul-12	10:00:00 AM	<0.010	26.4	65	0.014	0.083	NA	0.36	0.06	0.11	<0.004	0.322	NA	<0.31	0.17	<0.14	NA	<0.16	NA	0.8	93.3
S-2C	29-Aug-12	9:30:00 AM	<0.010	24.9	65	<0.005	0.043	NA	0.25	0.03	0.1	<0.004	0.242	NA	<0.30	0.13	<0.17	NA	<0.05	NA	0.3	12.6
S-2C	03-Oct-12	11:30:00 AM	<0.010	29	75	<0.005	0.027	NA	<0.2	0.06	0.12	<0.004	0.352	NA	<0.32	0.18	<0.14	NA	<0.2	NA	0.3	18.1
S-2C	02-Apr-13	2:15:00 PM	0.013	27.3	60	0.009	0.024	NA	0.41	0.02	<0.01	<0.004	0.417	NA	0.28	<0.02	0.28	NA	0.11	NA	<0.2	18.1

S-2
Surface Water Sampling
Analytical Data

Station ID	Date	Time	Boron (mg/L)	Chloride (mg/L)	TDS (mg/L)	Ortho P (mg/L)	Total P (mg/L)	Re-issued TP	TKN (mg/L)	Ammonia-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Total Nitrogen (mg/L)	Re-issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re-issued DON	PON (mg/L)	Re-issued PON	POC (mg/L)	Chlorophyll-a (ug/L)
S-2C	21-May-13	10:45:00 AM	0.013	27.9	62	<0.005	0.028	NA	0.49	0.05	0.07	<0.004	0.562	NA	0.45	0.12	0.33	NA	0.11	NA	0.3	18.9
S-2C	18-Jun-13	9:30:00 AM	<0.010	24.6	59	0.007	0.056	NA	0.97	0.05	0.06	<0.004	1.032	NA	0.41	0.11	0.3	NA	0.62	NA	0.1	34.7
S-2C	29-Aug-13	11:30:00 AM	<0.010	27.9	56	0.005	0.054	NA	0.4	0.09	0.07	<0.004	0.472	NA	0.35	0.16	0.19	NA	0.12	NA	0.3	26
S-2C	03-Oct-13	11:30:00 AM	<0.010	27.9	83	0.005	0.018	NA	0.44	0.03	0.09	<0.004	0.532	NA	0.44	0.12	0.32	NA	0.09	NA	0.1	10.5
S-2C	01-Apr-14	11:25:00 AM	0.011	26.8	61	<0.005	0.022	NA	0.28	0.032	0.2	<0.004	0.374	NA	<0.40	0.23	<0.2	NA	<0.08	NA	0.02	16.6
S-2C	09-Jun-14	11:10:00 AM	0.011	26.3	69	<0.005	0.054	NA	0.3	0.05	0.1	<0.004	0.402	NA	0.31	0.15	0.16	NA	0.09	NA	0.3	14.8
S-2C	05-Aug-14	12:05:00 PM	0.014	28.3	67	<0.005	0.057	NA	0.25	0.08	<0.01	<0.004	0.172	NA	<0.2	0.08	<0.12	NA	<0.05	NA	0.5	46.5
S-2C	25-Sep-14	9:10:00 AM	0.01	28.7	69	<0.005	0.027	NA	0.45	0.03	0.08	<0.004	0.532	NA	0.39	0.11	0.28	NA	0.14	NA	0.4	22.4
S-2C	15-Oct-14	9:45:00 AM	<0.010	27.2	64	0.006	0.025	NA	0.31	0.24	0.1	<0.006	0.413	NA	0.36	0.34	0.02	NA	0.05	NA	0.1	21.8
S-2C	30-Apr-15	10:10:00 AM	0.012	27	75	0.008	0.02	NA	0.21	0.15	0.12	<0.006	0.423	NA	<0.32	0.27	<0.10	NA	<0.2	NA	0.1	15.3
S-2C	28-May-15	10:15:00 AM	<0.010	27.4	67	0.012	0.025	NA	0.44	<0.02	0.07	<0.006	0.383	NA	0.4	<0.10	<0.2	NA	0.2	NA	0.5	18.8
S-2C	23-Jun-15	10:30:00 AM	<0.010	25.1	64	0.007	0.022	NA	0.26	0.24	0.08	<0.006	0.443	NA	0.34	0.32	0.02	NA	<0.2	NA	0.3	9.74
S-2C	22-Jul-15	2:15:00 PM	<0.010	26.4	60	<0.005	0.021	NA	<0.2	0.1	0.06	<0.006	0.363	NA	<0.2	0.16	<0.2	NA	<0.2	NA	0.1	6.82
S-2C	02-Sep-15	11:10:00 AM	<0.010	25.3	71	<0.005	0.018	NA	0.22	0.02	0.05	<0.006	0.273	NA	0.26	0.07	0.19	NA	0.01	NA	<0.2	4.69
S-2C	21-Apr-16	10:25:00 AM	0.011	26.2	60	<0.005	0.042	NA	0.28	0.04	0.06	<0.006	0.343	NA	0.29	0.1	0.19	NA	0.05	NA	0.4	20
S-2C	20-Jun-16	10:35:00 AM	<0.010	27.5	68	0.03	0.02	NA	0.45	0.06	0.09	<0.006	0.543	NA	0.4	0.15	0.25	NA	0.14	NA	<0.2	5.48
S-2C	18-Jul-16	11:35:00 AM	<0.010	27.5	69	0.005	0.019	NA	<0.2	0.04	0.04	<0.006	0.343	NA	0.04	0.08	0.16	NA	<0.2	NA	0.1	4.97
S-2C	25-Aug-16	1:15:00 PM	<0.010	28.3	71	<0.005	0.018	NA	0.21	0.044	<0.01	<0.006	0.157	NA	<0.2	0.04	<0.2	NA	0.01	NA	0.8	6.74
S-2C	22-Sep-16	12:00:00 PM	0.013	29.9	73	<0.005	0.028	NA	<0.2	0.044	0.06	<0.006	0.287	NA	<0.2	0.1	<0.16	NA	<0.2	NA	0.2	8.37
S-2C	04-May-17	11:25:00 AM	<0.010	28	NA	0.009	0.022	NA	0.41	0.059	0.08	<0.006	0.312	NA	<0.29	0.14	<0.14	NA	<0.21	NA	0.5	17.9
S-2C	30-May-17	12:15:00 PM	<0.010	27	NA	0.007	0.048	NA	0.68	0.12	0.09	<0.006	0.773	NA	0.45	0.22	0.24	NA	0.32	NA	0.6	18.5
S-2C	28-Jun-17	12:15:00 PM	<0.010	29	NA	<0.005	0.031	NA	0.33	0.028	0.09	<0.006	0.421	NA	0.3	0.12	0.18	NA	0.12	NA	0.3	6.46
S-2C	10-Aug-17	12:20:00 PM	<0.010	32	76	<0.005	0.027	NA	0.46	0.039	0.08	<0.006	0.542	NA	0.33	0.12	0.21	NA	0.21	NA	1.7	14.9
S-2C	04-Oct-17	12:45:00 PM	<0.010	10.2	83	0.006	0.042	NA	0.41	0.041	0.45	0.284	1.145	NA	0.93	0.78	0.16	NA	0.21	NA	0.3	14.2
S-2C	30-Apr-18	11:00:00 AM	<0.010	28	64	0.006	0.021	NA	0.46	0.057	0.11	<0.006	0.57	NA	0.36	0.17	0.19	NA	0.21	NA	0.45	21.6
S-2C	21-Jun-18	11:55:00 AM	<0.010	29	64	0.007	0.017	NA	0.48	0.03	0.06	<0.006	0.543	NA	0.29	0.09	0.2	NA	0.25	NA	0.73	11.5
S-2C	19-Jul-18	11:05:00 AM	<0.010	29	89	<0.005	0.041	NA	0.3	0.02	0.06	<0.006	0.273	NA	<0.26	0.08	<0.18	NA	0.1	NA	0.71	13.6
S-2C	23-Aug-18	11:50:00 AM	<0.010	28	72	<0.005	<0.005	NA	0.37	0.042	0.07	<0.006	0.445	NA	0.41	0.11	0.3	NA	0.03	NA	0.46	11.2
S-2C	01-Oct-18	11:45:00 AM	<0.010	29	85	0.011	0.019	NA	0.3	0.04	0.06	<0.006	0.237	NA	<0.26	0.1	<0.16	NA	<0.10	NA	0.35	14.7
S-2C	29-Apr-19	11:25:00 AM	0.01	30	80	<0.005	0.005	NA	0.46	0.11	0.16	<0.006	0.623	NA	0.41	0.27	0.14	NA	0.21	NA	0.5	15.9
S-2C	27-Jun-19	11:10:00 AM	<0.010	27	77	0.005	0.008	NA	0.41	<0.02	0.05	<0.006	0.343	NA	0.28	<0.07	<0.21	NA	0.18	NA	0.83	24.4
S-2C	14-Aug-19	10:45:00 AM	0.011	33	87	0.005	0.058	NA	0.62	<0.02	0.05	<0.006	0.663	NA	0.48	<0.07	0.41	NA	0.19	NA	0.73	36.6
S-2C	28-Aug-19		No Access, Road Closed for Construction at Bridge																			
S-2C	18-Sep-19		No Access, Road Closed for Construction at Bridge																			
S-2C	02-Jun-20	12:00:00 PM	0.012	31	68	<0.005	0.022	NA	0.48	<0.02	<0.01	<0.006	0.358	NA	<0.25	<0.03	<0.20	NA	0.24	NA	0.4	14
S-2C	24-Jun-20	11:35:00 AM	0.012	31	75	<0.005	0.007	NA	0.34	0.05	0.02	<0.006	0.363	NA	0.3	0.07	0.23	NA	0.06	NA	0.3	NS
S-2C	05-Aug-20	11:25:00 AM	0.011	30	77	0.005	0.03	NA	0.27	<0.006	0.03	<0.006	0.273	NA	<0.23	<0.05	<0.20	NA	<0.27	NA	0.4	NS
S-2C	09-Sep-20	11:30:00 AM	0.063	29	72	0.007	0.044	NA	0.25	<0.02	0.05	<0.006	0.393	NA	0.3	0.07	0.23	NA	<0.2	NA	0.4	NS

S-2
Surface Water Sampling
Analytical Data

Station ID	Date	Time	Boron (mg/L)	Chloride (mg/L)	TDS (mg/L)	Ortho P (mg/L)	Total P (mg/L)	Re-issued TP	TKN (mg/L)	Ammonia-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Total Nitrogen (mg/L)	Re-issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re-issued DON	PON (mg/L)	Re-issued PON	POC (mg/L)	Chlorophyll-a (ug/L)
S-2C	20-May-21	11:40:00 AM	<0.010	29	59	<0.005	0.032	NA	0.4	0.14	0.08	<0.006	0.483	NA	0.43	0.22	0.21	NA	0.05	NA	1.42	23.5
S-2C	22-Jul-21	12:18:00 PM	0.007	29	78	0.107	0.112	NA	0.59	0.08	<0.01	<0.006	0.598	NA	0.42	0.08	0.34	NA	0.17	NA	0.94	10.2
S-2C	30-Aug-21	11:35:00 AM	<0.010	29	74	0.021	0.041	NA	0.42	<0.02	0.03	<0.006	0.463	NA	0.38	0.03	0.35	NA	0.07	NA	0.71	11.2
S-2C	29-Sep-21	11:50:00 AM	0.008	29	76	0.029	0.047	NA	<0.2	0.19	<0.01	<0.006	0.303	NA	<0.21	0.19	<0.01	NA	<0.20	NA	0.43	49.6
S-2C	27-Apr-22	11:30:00 AM	<0.010	28.9	74	<0.005	0.079	NA	0.42	0.08	0.23	<0.006	0.583	NA	0.23	0.31	<0.12	NA	<0.42	NA	0.28	27.1
S-2C	01-Jun-22	10:25:00 AM	<0.010	31.6	94	0.005	0.038	NA	0.28	0.12	0.08	<0.006	0.363	NA	0.29	0.2	0.09	NA	0.07	NA	<0.5	NS
S-2C	13-Jul-22	11:25:00 AM	<0.010	7.88	82	<0.005	0.027	NA	0.28	0.09	<0.01	<0.006	0.303	NA	<0.21	0.1	<0.13	NA	<0.28	NA	0.73	9.52
S-2C	17-Oct-22	12:00:00 PM	<0.010	20	74	<0.005	0.039	NA	0.28	<0.20	0.06	<0.006	0.403	NA	<0.26	0.06	<0.20	NA	<0.28	NA	0.25	21.8
S-2C	29-Mar-23	9:30:00 AM	0.019	31	74	<0.005	0.019	NA	0.28	<0.020	0.47	<0.006	0.683	NA	0.47	0.47	<0.20	NA	<0.20	NA	<0.2	NS
S-2C	25-Apr-23	9:05:00 AM	<0.010	34	64	<0.005	0.025	NA	0.42	0.089	0.16	<0.006	0.582	NA	0.44	0.25	0.19	NA	0.14	NA	0.26	10.8
S-2C	09-May-23	9:45:00 AM	<0.010	33	50	<0.006	0.035	NA	0.49	<0.02	0.15	<0.006	0.653	NA	0.5	0.15	0.35	NA	0.14	NA	0.05	13.4
S-2C	11-Jul-23	8:55:00 AM	<0.010	33	72	<0.006	0.04	NA	0.21	<0.02	<0.01	<0.006	<0.218	NA	<0.21	<0.03	<0.20	NA	<0.21	NA	NT	13
S-2C	08-Aug-23	8:55:00 AM	<0.010	37	92	<0.005	0.038	NA	0.84	<0.2	0.6	<0.006	1.293	NA	0.95	0.6	<0.36	NA	0.49	NA	0.44	19

S-3
Surface Water Sampling
Analytical Data

Stati on ID	Date	Time	Boron (mg/L)	Chloride (mg/L)	TDS (mg/L)	Ortho P (mg/L)	Total P (mg/L)	Re- issued TP	TKN (mg/L)	Ammoni a-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Total Nitroge n (mg/L)	Re- issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re- issued DON	PON (mg/L)	Re- issued PON	POC (mg/L)	Chlorop hyll-a (ug/L)
S-3A	28-May-98	12:15:00 PM	0.068	16.2	56	0.018	ND	---	ND	ND	0.053	ND	0.223	---	---	---	---	---	---	---	---	2
S-3A	29-Jun-98	12:45:00 PM	0.023	15.7	44	0.011	ND	---	0.58	ND	0.062	ND	0.712	---	---	---	---	---	---	---	---	0.825
S-3A	04-Aug-98	12:00:00 PM	<0.02	15.9	46	ND	0.012	---	0.68	ND	ND	ND	0.77	---	---	---	---	---	---	---	---	0.801
S-3A	25-Aug-98	10:42:00 AM	<0.02	14.1	104	0.056	ND	---	ND	ND	ND	ND	0.19	---	---	---	---	---	---	---	---	ND
S-3A	18-Sep-98	10:30:00 AM	<0.02	15.2	70	ND	0.023	---	ND	ND	ND	ND	0.19	---	---	---	---	---	---	---	---	3.2
S-3A	20-Nov-98	12:30:00 PM	<0.02	14.5	56	ND	0.013	---	0.331	ND	0.095	ND	0.496	---	---	---	---	---	---	---	---	7.12
S-3A	24-Feb-99	11:35:00 AM	<0.02	14.7	50	ND	ND	---	0.065	ND	0.133	ND	0.268	---	---	---	---	---	---	---	---	3.08
S-3A	03-Jun-99	---	0.02	15	66	0.008	0.038	---	NA	0.05	0.071	NA	2.114	---	1.968	0.121	1.847	---	0.146	---	91.5	0.8
S-3A	22-Jun-99	---	<0.02	17	48	0.019	0.042	---	NA	0.139	0.102	NA	0.721	---	0.561	0.24	0.321	---	0.159	---	96.2	2.4
S-3A	19-Jul-99	---	0.02	16	56	0.026	0.045	---	NA	0.039	0.048	NA	0.414	---	0.285	0.087	0.198	---	0.129	---	83.2	1.6
S-3A	18-Aug-99	---	0.023	15	100	0.022	0.04	---	NA	0.049	0.034	NA	0.319	---	0.253	0.083	0.17	---	0.066	---	37.5	3.7
S-3A	28-Sep-99	---	0.036	16	50	0.017	0.037	---	NA	0.03	0.061	NA	0.439	---	0.276	0.091	0.185	---	0.163	---	71.8	1.2
S-3A	17-Nov-99	---	<0.02	15	90	0.011	0.03	---	NA	0.015	0.045	NA	0.413	---	0.214	0.06	0.154	---	0.199	---	109.9	38
S-3A	22-Feb-00	---	<0.02	14	40	NA	NA	---	NA	NA	NA	NA	NA	---	NA	NA	NA	---	NA	---	NA	11
S-3A	28-Feb-01	---	<0.02	19	100	0.031	0.01	---	NA	0.033	0.233	NA	0.467	---	0.327	0.265	0.062	---	0.139	---	1.078	<0.4
S-3A	26-Jul-01	---	<0.02	16	88	0.027	0.027	---	NA	0.109	0.109	NA	1.022	---	0.942	0.219	0.723	---	0.081	---	0.951	<0.4
S-3A	06-Aug-02	---	<0.02	17	74	0.01	0.03	---	NA	0.03	---	---	0.7	---	0.53	0.04	0.49	---	0.17	---	0.95	<0.4
S-3A	01-Oct-02	---	<0.02	16	74	0.02	0.03	---	---	0.04	---	---	0.56	---	0.49	0.17	0.31	---	0.08	---	0.53	1.1
S-3A	14-Nov-02	---	---	---	---	0.004	0.011	---	---	0.057	---	---	1.045	---	0.961	0.303	0.658	---	0.084	---	0.63	---
S-3A	26-Mar-03	---	<0.02	18	70	0.025	0.064	---	---	0.013	---	---	0.778	---	0.631	0.301	0.33	---	0.147	---	2.23	4.8
S-3A	03-Jun-03	---	<0.02	17	62	<0.002	0.062	---	---	0.022	---	---	0.886	---	0.667	0.106	0.561	---	0.22	---	2.16	4.3
S-3A	24-Jun-03	---	<0.02	16	68	0.005	0.041	---	---	0.016	---	---	0.781	---	0.671	0.094	0.577	---	0.11	---	0.722	<0.4
S-3A	17-Jul-03	---	<0.02	17	74	0.011	0.021	---	---	0.03	---	---	0.732	---	0.628	0.102	0.526	---	0.104	---	1.217	11
S-3A	27-Aug-03	---	<0.02	17	72	0.014	0.026	---	---	0.098	---	---	1.265	---	0.988	0.21	0.779	---	0.276	---	1.805	<0.4
S-3A	18-Sep-03	---	<0.02	18	64	0.015	0.039	---	---	0.175	---	---	0.906	---	0.682	0.348	0.334	---	0.224	---	1.329	<0.4
S-3A	11-Nov-03	---	<0.02	17	98	0.012	0.049	---	---	0.053	---	---	0.768	---	0.767	0.304	0.463	---	---	---	1.1	---
S-3A	23-Jun-04	---	<0.02	---	60	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.4
S-3A	26-Jul-04	---	<0.02	---	68	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.4
S-3A	06-Mar-06	11:40:00 AM	<0.10	18	50	<0.10	<0.5	---	---	<0.20	0.21	<0.05	1.08	---	<0.50	0.3	<0.5	---	0.5	---	<0.50	20
S-3A	13-Jul-06	10:40:00 AM	<0.01	19	36	---	0.029	---	<0.26	0.037	0.15	<0.0010	0.6975	---	0.57	0.19	0.38	---	<0.26	---	---	3.5
S-3A	07-Aug-06	9:34:00 AM	<0.01	20	60	<0.010	0.038	---	<0.26	0.078	0.14	<0.0037	0.4798	---	<0.26	0.22	<0.26	---	<0.26	---	<0.50	2.9
S-3A	19-Sep-06	12:35:00 PM	<0.03	21.2	50	<0.0257	<0.132	<0.0400	---	<0.130	0.102	<0.0220	1.743	1.783	1.8	0.29	1.5	1.54	<0.13	<0.130	<1.0	---
S-3A	30-Oct-06	9:20:00 AM	<0.0300	21.1	82	0.0026	0.512	0.512	---	<0.130	0.17	<0.0100	0.925	0.928	0.89	0.333	0.62	0.623	<0.13	<0.130	<1.0	NM
S-3A	10-Apr-07	9:50:00 AM	<0.0300	22	57	<0.0257	<0.132	0.0553	---	<0.130	0.123	<0.0220	1.094	0.96	0.95	0.244	0.7	0.696	<0.39	<0.130	<1.0	---
S-3A	09-Jul-07	10:45:00 AM	<0.0300	23.1	71	<0.0257	<0.132	<0.0400	---	0.167	0.105	<0.0220	1.022	0.798	0.73	0.704	0.45	0.45	<0.39	<0.130	<1.0	---
S-3A	06-Aug-07	10:05:00 AM	<0.0300	23	52	<0.0257	<0.132	<0.0400	---	<0.130	0.131	<0.0220	1.072	0.945	0.9	0.453	0.67	0.673	<0.39	<0.130	<1.0	---
S-3A	12-Sep-07	9:00:00 AM	<0.0300	24.3	58	<0.0257	<0.132	0.0492	---	0.184	0.112	<0.0220	0.697	0.587	0.52	0.182	<0.39	0.215	<0.39	0.065	<1.0	11.2
S-3A	04-Oct-07	9:50:00 AM	<0.0300	22.6	73	<0.0257	<0.132	0.0509	---	<0.130	0.148	<0.0220	1.029	0.896	0.86	0.31	0.61	0.607	<0.39	<0.130	<1.0	5
S-3A	10-Apr-08	9:35:00 AM	<0.0300	21.9	103	<0.0257	<0.132	<0.0400	---	<0.130	0.257	<0.0220	0.723	0.463	1.8	0.311	<0.39	<0.130	<0.39	<0.130	1.1	7.7

S-3

Surface Water Sampling

Analytical Data

Stati on ID	Date	Time	Boron (mg/L)	Chloride (mg/L)	TDS (mg/L)	Ortho P (mg/L)	Total P (mg/L)	Re- issued TP	TKN (mg/L)	Ammoni a-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Total Nitroge n (mg/L)	Re- issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re- issued DON	PON (mg/L)	Re- issued PON	POC (mg/L)	Chlorop hyll-a (ug/L)
S-3A	29-Jul-08	11:05:00 AM	0.036	44.1	166	<0.0257	0.789	0.789	---	<0.130	0.128	<0.0220	0.919	0.786	0.74	0.169	0.52	0.517	<0.39	<0.130	<1.0	20.5
S-3A	17-Sep-08	9:25:00 AM	<0.0300	23.2	78	<0.020	<0.020	<0.020	---	0.165	0.149	<0.0220	0.715	0.728	0.51	<0.130	<0.39	0.338	<0.39	<0.130	<1.0	2.2
S-3A	28-Aug-08	10:00:00 AM	<0.0300	22.9	61	<0.020	1.41	1.41	---	<0.130	0.299	0.0323	0.7863	0.7413	0.94	0.458	<0.39	0.28	<0.39	<0.130	<1.0	14.6
S-3A	21-Oct-08	10:30:00 AM	<0.0300	21.3	69	0.0056	<0.132	<0.0400	---	<0.130	0.12	<0.0070	0.5785	0.5985	0.51	0.192	<0.39	0.345	<0.39	<0.130	<1.0	<0.500
S-3A	13-Apr-09	11:40:00 AM	<0.0300	22.5	72	<0.0257	---	<0.0400	---	0.161	0.42	<0.0220	---	1.117	1	0.597	---	0.46	---	<0.130	<1.0	3.81
S-3A	31-Jul-09	8:25:00 AM	<0.010	24.8	76	0.028	0.06	NA	0.98	<0.10	0.23	0.23	1.49	NA	0.65	0.23	0.42	NA	0.56	NA	<0.5	<1.1
S-3A	27-Aug-09	8:45:00 AM	0.01	22.6	66	0.025	0.072	NA	0.7	<0.10	0.12	<0.004	0.972	NA	0.82	<0.20	0.7	NA	<0.20	NA	0.8	NA
S-3A	30-Sep-09	10:25:00 AM	<0.010	25.3	43	0.043	0.155	NA	<0.20	<0.10	0.15	<0.004	0.402	NA	<0.20	<0.20	<0.20	NA	<0.20	NA	<0.50	5.6
S-3A	21-Oct-09	9:45:00 AM	<0.010	24.4	64	0.061	0.087	NA	0.35	<0.10	0.25	<0.004	0.502	NA	0.45	0.35	<0.20	NA	<0.20	NA	<0.50	<1.1
S-3A	28-Apr-10	1:20:00 PM	<0.010	26.4	70	<0.005	0.025	NA	0.28	0.07	0.14	<0.004	0.422	NA	0.35	0.21	0.14	NA	0.07	NA	0.3	22
S-3A	22-Jun-10	11:20:00 AM	<0.010	26.1	68	0.02	0.127	NA	0.63	0.1	0.09	<0.004	0.722	NA	0.58	0.19	0.39	NA	0.14	NA	0.3	7.2
S-3A	27-Jul-10	8:50:00 AM	0.013	26.1	79	<0.005	0.022	NA	0.35	<0.02	0.08	<0.004	0.442	NA	0.36	0.08	0.28	NA	0.07	NA	<0.50	5.9
S-3A	26-Aug-10	8:45:00 AM	0.036	25.5	94	<0.005	0.018	NA	0.77	0.14	0.11	<0.004	0.882	NA	0.67	0.25	0.42	NA	0.21	NA	0.2	6.7
S-3A	21-Sep-10	11:30:00 AM	0.011	26.4	55	<0.005	0.005	NA	0.42	0.07	0.09	<0.004	0.512	NA	0.44	0.16	0.28	NA	0.07	NA	0	7.7
S-3A	20-Apr-11	9:20:00 AM	<0.010	27	68	<0.005	0.05	NA	0.35	0.13	0.2	<0.004	0.552	NA	0.48	0.33	0.15	NA	0.07	NA	<0.50	9.9
S-3A	24-May-11	8:30:00 AM	<0.010	24.8	66	<0.005	0.027	NA	0.42	0.03	0.17	<0.004	0.592	NA	0.38	0.2	0.18	NA	0.21	NA	<0.50	4.5
S-3A	13-Jun-11	10:15:00 AM	<0.010	25.7	58	<0.005	0.028	NA	0.21	<0.02	0.13	<0.004	0.342	NA	<0.33	0.13	<0.2	NA	<0.2	NA	2.4	10
S-3A	26-Jul-11	10:10:00 AM	0.009	28.2	70	0.007	0.048	NA	0.56	<0.02	0.1	<0.004	0.312	NA	<0.30	0.12	<0.2	NA	<0.2	NA	0.7	13
S-3A	12-Sep-11	10:45:00 AM	0.018	25.7	53	<0.005	0.042	NA	<0.2	0.24	0.16	<0.004	0.602	NA	<0.36	0.4	<0.2	NA	<0.2	NA	<0.50	6.4
S-3A	27-Mar-12	9:25:00 AM	0.011	30.1	68	<0.005	0.024	NA	0.42	0.02	0.17	<0.004	0.592	NA	0.49	0.19	0.3	NA	0.1	NA	0.41	15.2
S-3A	19-Jun-12	8:30:00 AM	<0.010	29.1	73	<0.005	0.037	NA	0.46	0.02	0.16	<0.004	0.622	NA	0.47	0.18	0.29	NA	0.15	NA	0.1	9.2
S-3A	19-Jul-12	9:40:00 AM	0.01	30.2	78	0.023	0.06	NA	<0.2	0.1	0.21	<0.004	0.462	NA	<0.41	0.31	<0.10	NA	<0.2	NA	0.4	16
S-3A	29-Aug-12	12:00:00 PM	<0.010	27.5	71	0.01	0.043	NA	0.26	0.08	0.17	<0.004	0.342	NA	<0.37	0.25	<0.12	NA	<0.06	NA	0.1	3.75
S-3A	03-Oct-12	11:05:00 AM	<0.010	29.8	81	0.006	0.027	NA	0.22	0.06	0.2	<0.004	0.342	NA	<0.42	0.28	<0.14	NA	<0.02	NA	0.1	17.3
S-3A	02-Apr-13	11:05:00 AM	0.014	33.3	72	0.008	0.029	NA	0.44	<0.02	0.27	<0.004	0.722	NA	0.56	0.27	0.29	NA	0.15	NA	0.3	11.7
S-3A	21-May-13	9:45:00 AM	0.014	31.9	75	<0.005	0.032	NA	0.46	0.05	0.15	<0.004	0.612	NA	0.5	0.2	0.3	NA	0.11	NA	0.3	12.6
S-3A	18-Jun-13	9:00:00 AM	<0.010	28.9	73	0.008	0.046	NA	0.91	0.1	0.17	<0.004	1.082	NA	0.6	0.27	0.33	NA	0.48	NA	<0.2	8.49
S-3A	29-Aug-13	11:10:00 AM	<0.010	31.5	76	0.009	0.051	NA	0.37	0.05	0.16	<0.004	0.532	NA	0.49	0.21	0.28	NA	0.04	NA	0.1	7.91
S-3A	03-Oct-13	11:00:00 AM	<0.010	31.5	85	0.012	0.28	NA	0.41	0.04	0.16	<0.004	0.572	NA	0.49	0.2	0.29	NA	0.08	NA	<0.2	4.91
S-3A	01-Apr-14	11:00:00 AM	0.012	30.4	80	<0.005	0.027	NA	0.28	0.032	0.28	<0.004	0.564	NA	0.55	0.31	0.24	NA	0.01	NA	0.1	3.12
S-3A	09-Jun-14	10:45:00 AM	0.011	30.3	84	<0.005	0.045	NA	0.21	0.07	0.16	<0.004	0.367	NA	<0.36	0.23	<0.13	NA	<0.14	NA	0.3	10.9
S-3A	05-Aug-14	11:50:00 AM	0.012	35	73	0.007	0.047	NA	0.2	0.02	<0.01	<0.004	0.127	NA	<0.2	0.02	<0.18	NA	<0.02	NA	0.3	92.4
S-3A	25-Sep-14	8:50:00 AM	0.01	34.8	70	0.007	0.026	NA	0.23	0.06	0.16	<0.004	0.492	NA	0.39	0.22	0.17	NA	<0.2	NA	0.4	3.28
S-3A	15-Oct-14	9:35:00 AM	0.01	32	76	0.013	0.033	NA	0.31	0.24	0.19	<0.006	0.613	NA	0.42	0.43	<0.20	NA	0.08	NA	0.1	8.39
S-3A	30-Apr-15	9:50:00 AM	0.013	33.1	78	0.008	0.023	NA	<0.2	0.11	0.17	<0.006	0.483	NA	<0.37	0.28	<0.09	NA	<0.2	NA	0.2	18.3
S-3A	28-May-15	10:00:00 AM	<0.010	33	78	0.014	0.034	NA	0.49	0.03	0.17	<0.006	0.703	NA	0.4	0.21	0.2	NA	0.3	NA	1.4	13.6
S-3A	23-Jun-15	10:00:00 AM	<0.010	31	78	0.013	0.025	NA	0.41	0.22	0.14	<0.006	0.553	NA	0.46	0.36	0.09	NA	0.09	NA	0.3	9.88
S-3A	22-Jul-15	1:50:00 PM	<0.010	32.1	78	<0.005	0.026	NA	0.28	0.17	0.13	<0.006	0.413	NA	0.35	0.3	0.05	NA	0.06	NA	0.1	4.09
S-3A	02-Sep-15	10:45:00 AM	<0.010	31.6	60	0.01	0.026	NA	0.28	0.22	0.11	<0.006	0.513	NA	0.31	0.33	<0.2	NA	0.08	NA	0.2	3.09
S-3A	21-Apr-16	9:55:00 AM	<0.010	31.5	74	0.005	0.044	NA	0.29	0.03	0.15	<0.006	0.443	NA	0.35	0.18	0.17	NA	0.09	NA	0.4	18.7
S-3A	20-Jun-16	10:10:00 AM	0.01	31.9	73	0.008	0.028	NA	0.25	0.04	0.16	<0.006	0.413	NA	0.41	0.2	0.21	NA	0	NA	0.2	6.57
S-3A	18-Jul-16	11:20:00 AM	<0.010	32.4	83	0.006	0.012	NA	<0.2	0.04	0.13	<0.006	0.433	NA	0.13	0.17	0.16	NA	<0.2	NA	0.1	3.07
S-3A	25-Aug-16	1:00:00 PM	<0.010	32.7	83	0.021	0.031	NA	0.37	0.028	0.04	<0.006	0.411	NA	0.31	0.07	0.24	NA	0.1	NA	0.1	7.03

S-3
Surface Water Sampling
Analytical Data

Stati on ID	Date	Time	Boron (mg/L)	Chloride (mg/L)	TDS (mg/L)	Ortho P (mg/L)	Total P (mg/L)	Re- issued TP	TKN (mg/L)	Ammoni a-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Total Nitroge n (mg/L)	Re- issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re- issued DON	PON (mg/L)	Re- issued PON	POC (mg/L)	Chlorop hyll-a (ug/L)
S-3A	22-Sep-16	11:40:00 AM	0.013	33.5	84	0.016	0.025	NA	0.57	0.043	0.15	<0.006	0.726	NA	0.57	0.19	0.38	NA	0.15	NA	<1.0	2.79
S-3A	04-May-17	10:55:00 AM	<0.010	33	NA	0.009	0.02	NA	0.49	0.062	0.18	<0.006	0.675	NA	0.5	0.24	0.26	NA	0.17	NA	0.5	16.8
S-3A	30-May-17	11:45:00 AM	<0.010	31	NA	<0.005	0.022	NA	0.28	0.05	0.21	<0.006	0.593	NA	0.49	0.26	0.23	NA	<0.2	NA	0.6	16.4
S-3A	28-Jun-17	11:55:00 AM	<0.010	34	NA	<0.005	0.022	NA	0.3	0.032	0.17	<0.006	0.475	NA	0.41	0.21	0.21	NA	0.06	NA	0.2	5.09
S-3A	10-Aug-17	12:00:00 PM	<0.010	32	83	0.005	0.027	NA	0.47	0.027	0.08	<0.006	0.55	NA	0.39	0.11	0.28	NA	0.16	NA	0.8	24
S-3A	04-Oct-17	12:30:00 PM	<0.010	29	92	0.006	0.022	NA	<0.2	0.056	0.07	<0.006	0.299	NA	<0.27	0.13	<0.14	NA	<0.2	NA	0.1	4.44
S-3A	30-Apr-18	10:35:00 AM	<0.010	30	73	0.009	0.019	NA	0.37	0.13	0.22	<0.006	0.473	NA	<0.42	0.35	<0.07	NA	<0.17	NA	0.41	15.6
S-3A	21-Jun-18	11:40:00 AM	<0.010	33	80	0.009	0.024	NA	0.37	0.04	0.14	<0.006	0.513	NA	0.37	0.18	0.19	NA	0.14	NA	0.64	9.36
S-3A	19-Jul-18	10:45:00 AM	<0.010	34	98	0.007	0.036	NA	0.35	0.04	0.15	<0.006	0.423	NA	<0.35	0.19	<0.16	NA	0.15	NA	0.87	11
S-3A	23-Aug-18	11:35:00 AM	<0.010	32	82	0.011	0.019	NA	0.25	0.032	0.14	<0.006	0.285	NA	<0.34	0.17	<0.17	NA	<0.05	NA	0.35	7.13
S-3A	01-Oct-18	11:30:00 AM	<0.010	33	89	0.009	0.015	NA	<0.2	0.041	0.16	<0.006	0.384	NA	<0.36	0.2	<0.16	NA	<0.2	NA	0.27	5.49
S-3A	29-Apr-19	10:55:00 AM	0.011	34	88	0.01	0.013	NA	0.5	0.11	0.25	<0.006	0.753	NA	0.6	0.36	0.24	NA	0.15	NA	0.41	12.8
S-3A	27-Jun-19	10:50:00 AM	<0.010	31	79	0.01	0.016	NA	0.51	<0.02	0.14	<0.006	0.553	NA	0.34	<0.16	<0.18	NA	0.31	NA	0.85	21.2
S-3A	14-Aug-19		No Access - Road Closed for Construction																			
S-3A	28-Aug-19	10:30:00 AM	0.015	35	88	<0.005	0.019	NA	0.33	<0.02	0.13	<0.006	0.453	NA	0.45	<0.15	0.3	NA	0.01	NA	0.29	<0.5
S-3A	18-Sep-19	11:05:00 AM	<0.010	35	88	<0.005	0.019	NA	<0.2	0.071	0.15	<0.006	0.389	NA	<0.35	0.22	<0.13	NA	<0.2	NA	0.52	3.47
S-3A	02-Jun-20	11:40:00 AM	0.014	34	78	<0.005	0.022	NA	0.26	<0.02	0.13	<0.006	0.373	NA	<0.33	<0.15	<0.20	NA	<0.26	NA	0.5	8.91
S-3A	24-Jun-20	11:20:00 AM	0.013	34	84	0.006	0.015	NA	0.21	0.04	0.13	<0.006	0.353	NA	<0.33	0.17	<0.16	NA	<0.21	NA	0.3	NS
S-3A	05-Aug-20		No Access - Road Closed for Construction																			
S-3A	09-Sep-20	10:55:00 AM	0.071	34	81	0.01	0.047	NA	0.33	<0.02	0.13	<0.006	0.453	NA	0.36	0.15	0.21	NA	0.1	NA	0.3	NS
S-3A	20-May-21	11:25:00 AM	<0.010	34	71	0.005	0.033	NA	0.31	0.13	0.22	<0.006	0.543	NA	<0.42	0.35	<0.07	NA	<0.31	NA	1.21	13.3
S-3A	22-Jul-21	11:45:00 AM	0.007	32	81	0.122	0.123	NA	0.44	<0.02	0.11	<0.006	0.563	NA	0.49	0.11	0.38	NA	0.06	NA	0.91	5.43
S-3A	30-Aug-21	11:20:00 AM	<0.010	34	88	0.021	0.033	NA	0.28	<0.02	0.14	<0.006	0.653	NA	0.42	0.14	0.39	NA	0.11	NA	0.67	5.58
S-3A	29-Sep-21	11:25:00 AM	0.009	30	85	0.025	0.046	NA	<0.20	0.18	0.3	<0.006	0.593	NA	0.41	0.41	<0.02	NA	<0.20	NA	0.51	7.21
S-3A	27-Apr-22	11:10:00 AM	0.032	33.6	80	<0.005	0.036	NA	0.28	0.07	0.28	<0.006	0.558	NA	0.28	0.35	<0.13	NA	<0.28	NA	0.13	18.5
S-3A	01-Jun-22	10:10:00 AM	<0.010	36.8	120	0.005	0.046	NA	0.42	0.12	0.19	<0.006	0.613	NA	0.4	0.31	0.09	NA	0.21	NA	0.08	NS
S-3A	13-Jul-22	11:10:00 AM	<0.010	8.76	90	<0.005	0.029	NA	0.21	0.05	0.176	<0.006	0.409	NA	<0.38	0.05	<0.15	NA	<0.21	NA	0.59	2.6
S-3A	17-Oct-22	11:50:00 AM	0.044	39	88	0.006	0.032	NA	<0.20	0.06	0.22	<0.006	0.483	NA	0.22	0.28	<0.20	NA	<0.20	NA	0.2	3.67
S-3A	29-Mar-23	9:20:00 AM	0.01	38	90	<0.005	0.021	NA	0.28	<0.020	0.57	<0.006	0.863	NA	0.78	0.57	0.21	NA	0.07	NA	<0.2	NS
S-3A	25-Apr-23	8:55:00 AM	<0.010	39	86	<0.005	0.027	NA	0.49	0.077	0.27	<0.005	0.76	NA	0.62	0.35	0.27	NA	0.14	NA	0.23	5.14
S-3A	09-May-23	9:35:00 AM	<0.010	35	68	<0.006	0.052	NA	0.28	<0.02	0.2	<0.006	0.493	NA	0.41	0.2	0.21	NA	0.07	NA	0.1	13.6
S-3A	11-Jul-23	8:45:00 AM	0.03	41	104	0.011	0.055	NA	0.42	<0.02	<0.01	<0.006	0.438	NA	0.35	<0.03	0.35	NA	0.07	NA	NT	4.68
S-3A	08-Aug-23	8:40:00 AM	<0.010	44	100	0.008	0.035	NA	0.28	<0.2	0.66	<0.006	0.933	NA	0.88	0.66	<0.21	NA	0.07	NA	0.382	3.64

S-4
Surface Water Sampling
Analytical Data

Stati on ID	Date	Time	Boron (mg/L)	Chloride (mg/L)	TDS (mg/L)	Ortho P (mg/L)	Total P (mg/L)	Re- issued TP	TKN (mg/L)	Ammoni a-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Total Nitroge n (mg/L)	Re- issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re- issued DON	PON (mg/L)	Re- issued PON	POC (mg/L)	Chlorop hyll-a (ug/L)
S-4A	28-May-98	10:50:00 AM	0.055	18.5	62	0.12	ND	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	0.954
S-4A	29-Jun-98	11:30:00 AM	<0.02	17.3	736	0.024	nd	---	0.45	ND	ND	ND	0.54	---	---	---	---	---	---	---	---	0.413
S-4A	04-Aug-98	11:30:00 AM	<0.02	18.5	58	ND	0.017	---	0.43	ND	ND	ND	0.52	---	---	---	---	---	---	---	---	3.2
S-4A	25-Aug-98	10:10:00 AM	<0.02	18.2	84	0.043	ND	---	ND	ND	ND	ND	0.19	---	---	---	---	---	---	---	---	ND
S-4A	18-Sep-98	11:00:00 AM	<0.02	16.2	82	ND	0.018	---	ND	ND	ND	ND	0.19	---	---	---	---	---	---	---	---	1.2
S-4A	20-Nov-98	11:45:00 AM	<0.02	18	52	ND	ND	---	ND	ND	ND	ND	0.19	---	---	---	---	---	---	---	---	ND
S-4A	24-Feb-99	10:50:00 AM	<0.02	18.6	46	ND	ND	---	0.065	ND	0.038	ND	0.173	---	---	---	---	---	---	---	---	ND
S-4A	03-Jun-99	---	<0.02	13	54	0.011	0.12	---	NA	0.031	0.009	na	0.198	---	0.083	0.04	0.043	---	0.115	---	85.9	0.8
S-4A	22-Jun-99	---	<0.02	16	82	0.01	0.038	---	NA	0.034	0.007	na	0.291	---	0.168	0.041	0.127	---	0.123	---	76	2
S-4A	19-Jul-99	---	<0.02	19	48	0.011	0.04	---	NA	0.027	0.034	na	0.369	---	0.212	0.061	0.151	---	0.157	---	100.1	3.2
S-4A	18-Aug-99	---	0.022	18	46	0.009	0.04	---	NA	0.011	0.01	na	0.46	---	0.318	0.021	0.297	---	0.142	---	96.2	2.7
S-4A	28-Sep-99	---	0.022	18	100	0.013	0.024	---	NA	0.011	0.019	na	0.278	---	0.194	0.03	0.164	---	0.084	---	44	0.8
S-4A	17-Nov-99	---	<0.02	20	110	0.014	0.022	---	NA	0.019	0.025	na	0.233	---	0.155	0.044	0.111	---	0.078	---	36.6	3.1
S-4A	22-Feb-00	---	<0.02	16	52	NA	NA	---	NA	NA	NA	NA	NA	---	NA	NA	NA	---	NA	---	NA	1.2
S-4A	28-Feb-01	---	<0.02	18	130	0.005	0	---	NA	0.018	0.03	na	0.269	---	0.158	0.048	0.11	---	0.111	---	0.661	0.86
S-4A	26-Jul-01	---	<0.02	18	52	0.019	0.018	---	NA	0.013	0.026	na	0.382	---	0.253	0.039	0.214	---	0.129	---	1.187	<0.4
S-4A	06-Aug-02	---	<0.02	18	82	0.01	0.02	---	NA	0	---	---	0.3	---	0.24	0.01	0.23	---	0.07	---	0.53	<0.4
S-4A	01-Oct-02	---	<0.02	16	82	0.01	0.17	---	---	0.04	---	---	0.69	---	0.55	0.05	0.5	---	0.13	---	1.06	<0.4
S-4A	14-Nov-02	---	---	---	---	0.013	0.025	---	---	0.024	---	---	0.614	---	0.537	0.12	0.417	---	0.078	---	0.721	---
S-4A	26-Mar-03	---	<0.02	17	58	0.008	0.038	---	---	0.007	---	---	0.289	---	0.209	0.029	0.18	---	0.08	---	0.992	<0.4
S-4A	03-Jun-03	---	<0.02	17	70	0.009	0.089	---	---	0.02	---	---	1.299	---	1.15	0.063	1.087	---	0.149	---	3.312	<0.4
S-4A	24-Jun-03	---	<0.02	16	68	0.011	0.041	---	---	0.016	---	---	0.502	---	0.396	0.03	0.366	---	0.106	---	1.104	0.8
S-4A	17-Jul-03	---	<0.02	18	64	0.017	0.032	---	---	0.013	---	---	0.604	---	0.505	0.029	0.479	---	0.096	---	1.629	<0.4
S-4A	27-Aug-03	---	<0.02	18	76	0.022	0.041	---	---	0.041	---	---	0.687	---	0.642	0.056	0.586	---	0.045	---	0.566	<0.4
S-4A	18-Sep-03	---	<0.02	17	72	0.014	0.047	---	---	0.045	---	---	1.043	---	0.978	0.057	0.921	---	0.065	---	0.581	<0.4
S-4A	11-Nov-03	---	<0.02	17	88	0.013	0.038	---	---	0.02	---	---	0.613	---	0.613	0.044	0.569	---	---	---	---	<0.4
S-4A	23-Jun-04	---	<0.02	---	54	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.4
S-4A	26-Jul-04	---	<0.02	---	66	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	11
S-4A	06-Mar-06	9:35:00 AM	<0.10	18	22	<0.10	<0.5	---	---	<0.20	<0.10	<0.05	0.67	---	<0.50	<0.2	<0.5	---	<0.50	---	<0.50	3.4
S-4A	13-Jul-06	8:58:00 AM	<0.01	18	58	0.025	0.034	---	0.29	0.022	<0.0050	<0.0010	0.9245	---	0.88	0.11	0.77	---	<0.26	---	---	3.1
S-4A	07-Aug-06	8:35:00 AM	<0.01	18	92	<0.010	0.14	---	1.5	0.16	0.06	<0.0037	1.7218	---	<0.26	0.12	<0.26	---	1.3	---	1.3	150
S-4A	19-Sep-06	9:50:00 AM	<0.03	34.9	71	<0.0257	<0.132	<0.0400	---	<0.130	0.685	0.0223	1.3273	1.3263	1.3	0.83	0.49	0.489	<0.13	<0.130	<1.0	---
S-4A	30-Oct-06	9:00:00 AM	<0.0300	21.4	90	0.011	<0.132	0.0558	---	<0.130	<0.100	<0.0100	1.021	1.067	0.96	0.145	0.88	0.882	<0.13	<0.130	<1.0	NM
S-4A	10-Apr-07	9:25:00 AM	<0.0300	20.7	50	<0.0257	<0.132	0.0437	---	0.177	0.0509	<0.0220	1.0239	0.8909	0.82	<0.130	0.59	0.587	<0.39	<0.130	<1.0	---
S-4A	09-Jul-07	10:25:00 AM	<0.0300	20.6	67	0.0301	<0.132	<0.0400	---	0.161	0.0515	<0.0220	0.8185	0.6885	0.62	0.166	0.4	0.4	<0.39	<0.130	<1.0	---
S-4A	06-Aug-07	8:40:00 AM	<0.0300	22.1	55	<0.0257	<0.132	<0.0400	---	<0.130	0.0852	<0.0220	0.8562	0.7252	0.71	0.158	0.5	0.499	<0.39	<0.130	<1.0	---
S-4A	12-Sep-07	8:45:00 AM	<0.0300	24.9	92	0.0502	<0.132	0.0819	---	0.139	0.0569	<0.0220	1.1719	1.0419	0.97	0.257	0.77	0.77	<0.39	<0.130	<1.0	8.2
S-4A	04-Oct-07	9:30:00 AM	<0.0300	22.2	70	<0.0257	<0.132	0.0405	---	<0.130	0.283	<0.0220	1.104	0.974	0.9	0.501	0.55	0.55	<0.39	0.065	<1.0	1.2
S-4A	10-Apr-08	9:15:00 AM	<0.0300	20.7	73	<0.0257	<0.132	<0.0400	---	<0.130	0.146	<0.0220	0.612	0.352	0.48	0.194	<0.39	<0.130	<0.39	<0.130	<1.0	2.4

S-4
Surface Water Sampling
Analytical Data

Stati on ID	Date	Time	Boron (mg/L)	Chloride (mg/L)	TDS (mg/L)	Ortho P (mg/L)	Total P (mg/L)	Re- issued TP	TKN (mg/L)	Ammoni a-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Total Nitroge n (mg/L)	Re- issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re- issued DON	PON (mg/L)	Re- issued PON	POC (mg/L)	Chlorop hyll-a (ug/L)
S-4A	29-Jul-08	10:50:00 AM	<0.0300	20.8	227	0.0704	0.758	0.758	---	0.158	0.508	<0.0220	1.972	1.832	1.8	0.909	1.1	1.09	<0.39	<0.130	<1.0	31.8
S-4A	28-Aug-08	9:45:00 AM	<0.0300	22.4	56	<0.020	<0.132	<0.0400	---	<0.130	0.0359	0.0229	0.5138	0.4538	<0.39	0.283	<0.39	0.265	<0.39	<0.130	<1.0	<0.500
S-4A	17-Sep-08	8:55:00 AM	<0.0300	22.2	69	<0.020	0.06	0.06	---	<0.130	0.1	<0.0220	0.881	0.746	0.58	0.186	0.51	0.505	<0.39	<0.130	1.9	2.6
S-4A	21-Oct-08	10:20:00 AM	0.055	23.2	<5.00	0.015	<0.132	<0.0400	---	<0.130	<0.0300	<0.0070	0.4735	0.412	<0.39	<0.130	<0.39	0.277	<0.39	<0.130	<1.0	2.26
S-4A	13-Apr-09	11:30:00 AM	<0.0300	22.7	40	<0.0257	---	<0.0400	---	0.166	0.11	<0.0220	---	0.785	0.71	0.38	---	0.433	---	<0.130	<1.0	4.11
S-4A	31-Jul-09	8:15:00 AM	0.012	22	61	0.035	0.068	NA	0.28	0.11	0.04	<0.004	0.372	NA	0.32	0.15	0.17	NA	<0.10	NA	1.4	2.4
S-4A	27-Aug-09	8:20:00 AM	<0.010	23.7	59	0.021	0.063	NA	0.49	<0.10	<0.01	<0.004	0.647	NA	0.49	<0.20	0.49	NA	<0.20	NA	<0.5	2.7
S-4A	30-Sep-09	10:10:00 AM	<0.010	24.4	51	0.031	0.165	NA	<0.20	<0.10	0.04	<0.004	0.542	NA	<0.20	<0.20	<0.20	NA	0.35	NA	<0.50	2.9
S-4A	21-Oct-09	9:30:00 AM	<0.010	21.3	72	0.08	0.087	NA	0.28	<0.10	0.08	<0.004	0.332	NA	0.28	<0.20	<0.20	NA	<0.20	NA	<0.50	<1.1
S-4A	28-Apr-10	1:05:00 PM	<0.010	26	52	0.007	0.015	NA	0.21	0.08	0.09	<0.004	0.402	NA	0.3	0.17	0.13	NA	<0.20	NA	<0.50	<1.1
S-4A	22-Jun-10	11:05:00 AM	<0.010	25.9	58	0.014	0.054	NA	0.91	0.09	0.04	<0.004	0.952	NA	0.53	0.13	0.4	NA	0.42	NA	0.1	2.7
S-4A	27-Jul-10	8:30:00 AM	0.011	26.7	94	0.005	0.008	NA	0.35	<0.02	<0.01	<0.004	0.367	NA	0.28	<0.20	0.28	NA	0.07	NA	<0.50	<1.1
S-4A	26-Aug-10	8:30:00 AM	0.052	24.7	93	<0.005	0.02	NA	0.49	0.09	<0.01	<0.004	0.497	NA	0.42	0.09	0.33	NA	0.07	NA	0.4	2.4
S-4A	21-Sep-10	11:15:00 AM	<0.010	27.2	53	0.013	0.04	NA	1.75	0.91	<0.01	<0.004	1.757	NA	1.69	0.92	0.77	NA	0.07	NA	0	<1.1
S-4A	20-Apr-11	9:05:00 AM	<0.010	26.2	64	<0.005	0.063	NA	<0.2	0.1	0.13	<0.004	0.432	NA	0.33	0.23	0.1	NA	<0.2	NA	<0.50	3.5
S-4A	24-May-11	8:15:00 AM	<0.010	23.5	69	<0.005	0.065	NA	<0.2	0.03	0.08	<0.004	0.312	NA	<0.28	0.11	<0.2	NA	<0.2	NA	<0.50	2.7
S-4A	13-Jun-11	9:00:00 AM	<0.010	25.4	58	0.01	0.028	NA	0.42	<0.02	0.09	<0.004	0.522	NA	0.37	0.09	0.28	NA	0.14	NA	0.1	4.5
S-4A	26-Jul-11	9:55:00 AM	<0.010	27.6	70	0.008	0.15	NA	0.28	<0.02	<0.01	<0.004	0.397	NA	0.28	<0.2	0.28	NA	<0.2	NA	0.1	<1.1
S-4A	12-Sep-11	10:35:00 AM	<0.010	26.2	62	0.005	0.033	NA	0.35	0.21	0.12	<0.004	0.572	NA	0.47	0.33	0.14	NA	<0.2	NA	0.3	3.7
S-4A	27-Mar-12	9:10:00 AM	0.011	28.9	65	0.007	0.047	NA	0.28	0.04	0.13	<0.004	0.412	NA	0.38	0.17	0.21	NA	0.03	NA	0.3	0.04
S-4A	19-Jun-12	9:15:00 AM	<0.010	27.9	68	0.008	0.033	NA	<0.2	0.04	0.09	<0.004	0.312	NA	<0.29	0.13	<0.16	NA	<0.2	NA	0.1	0.7
S-4A	19-Jul-12	9:25:00 AM	<0.010	27.3	69	0.029	0.057	NA	0.32	0.08	0.1	<0.004	0.422	NA	0.34	0.18	0.16	NA	0.08	NA	0.3	2.45
S-4A	29-Aug-12	9:15:00 AM	<0.010	23.7	76	0.025	0.05	NA	0.43	0.04	0.12	<0.004	0.552	NA	0.42	0.16	0.26	NA	0.13	NA	<0.2	3.75
S-4A	03-Oct-12	10:55:00 AM	<0.010	27.1	77	0.008	0.025	NA	0.21	0.08	0.12	<0.004	0.267	NA	<0.32	0.2	<0.12	NA	<0.01	NA	0.1	2.84
S-4A	02-Apr-13	10:50:00 AM	0.013	28.4	52	0.007	0.024	NA	0.51	0.03	0.11	<0.004	0.622	NA	0.52	0.14	0.38	NA	0.1	NA	<0.2	4.98
S-4A	21-May-13	9:30:00 AM	0.013	30.3	69	0.007	0.035	NA	0.54	0.1	0.1	<0.004	0.642	NA	0.51	0.2	0.31	NA	0.13	NA	<0.2	8.68
S-4A	18-Jun-13	8:45:00 AM	<0.010	27.3	82	0.014	0.047	NA	0.49	0.08	0.08	<0.004	0.572	NA	0.5	0.16	0.34	NA	0.07	NA	<0.2	4.91
S-4A	29-Aug-13	10:50:00 AM	<0.010	29.6	69	0.006	0.033	NA	0.4	0.03	0.27	<0.004	0.672	NA	0.61	0.3	0.31	NA	0.06	NA	<0.2	5.6
S-4A	03-Oct-13	10:45:00 AM	<0.010	29.6	84	0.008	0.021	NA	0.41	0.04	0.09	<0.004	0.502	NA	0.48	0.13	0.35	NA	0.02	NA	0.3	<2.0
S-4A	01-Apr-14	10:30:00 AM	<0.010	25	69	<0.005	0.024	NA	0.37	0.038	0.2	<0.004	0.57	NA	0.55	0.24	0.31	NA	0.02	NA	0.2	7.84
S-4A	09-Jun-14	10:30:00 AM	<0.010	30.8	83	0.005	0.03	NA	0.26	0.06	0.09	<0.004	0.352	NA	0.34	0.15	0.19	NA	0.01	NA	0.1	4.46
S-4A	05-Aug-14	11:35:00 AM	0.01	30.9	77	0.007	0.034	NA	<0.2	0.04	<0.01	<0.004	0.227	NA	<0.2	0.04	<0.16	NA	<0.2	NA	0.2	2.22
S-4A	25-Sep-14	8:35:00 AM	<0.010	29.8	69	0.01	0.024	NA	0.23	0.03	0.08	<0.004	0.312	NA	0.3	0.11	0.19	NA	0.01	NA	0.2	2.27
S-4A	15-Oct-14	9:20:00 AM	<0.010	30.2	72	0.01	0.021	NA	0.35	0.34	0.12	<0.006	0.573	NA	0.47	0.46	0.01	NA	<0.2	NA	<1.0	4.25
S-4A	30-Apr-15	9:25:00 AM	0.011	30.5	70	0.009	0.018	NA	<0.2	0.52	0.08	<0.006	0.803	NA	<0.28	0.6	<0.2	NA	<0.2	NA	<1.0	4.08
S-4A	28-May-15	9:45:00 AM	<0.010	30.9	76	0.012	0.044	NA	0.32	0.05	0.07	<0.006	0.383	NA	0.3	0.12	0.16	NA	0.1	NA	0.1	6.12
S-4A	23-Jun-15	9:45:00 AM	<0.010	32.4	78	0.017	0.034	NA	0.35	0.39	0.07	<0.006	0.583	NA	0.4	0.46	<0.2	NA	0.02	NA	0.2	2.52
S-4A	22-Jul-15	1:40:00 PM	<0.010	32.6	74	<0.005	0.034	NA	0.25	0.04	<0.01	<0.006	0.358	NA	0.25	0.04	0.21	NA	<0.2	NA	0.1	<0.500
S-4A	02-Sep-15	10:20:00 AM	<0.010	32.2	79	0.012	0.03	NA	0.29	0.02	<0.01	<0.006	0.298	NA	0.28	<0.03	0.26	NA	0.01	NA	<0.2	5.21

S-4
Surface Water Sampling
Analytical Data

Stati on ID	Date	Time	Boron (mg/L)	Chloride (mg/L)	TDS (mg/L)	Ortho P (mg/L)	Total P (mg/L)	Re- issued TP	TKN (mg/L)	Ammoni a-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Total Nitroge n (mg/L)	Re- issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re- issued DON	PON (mg/L)	Re- issued PON	POC (mg/L)	Chlorop hyll-a (ug/L)
S-4A	21-Apr-16	9:40:00 AM	0.01	33.9	74	0.005	0.028	NA	0.25	0.29	0.08	<0.006	0.383	NA	0.32	0.37	0	NA	0.01	NA	0.2	6.76
S-4A	20-Jun-16	9:50:00 AM	<0.010	34.2	79	0.017	0.041	NA	0.35	0.07	0.09	<0.006	0.443	NA	0.38	0.16	0.22	NA	0.06	NA	0.2	3.14
S-4A	18-Jul-16	10:30:00 AM	<0.010	34	79	0.025	0.048	NA	0.2	0.05	0.04	<0.006	0.343	NA	0.04	0.09	0.15	NA	<0.2	NA	0.2	4.85
S-4A	25-Aug-16	10:35:00 AM	<0.010	33.1	75	0.008	0.025	NA	0.22	0.049	<0.01	<0.006	0.227	NA	0.22	0.05	0.17	NA	<0.02	NA	<1.0	2.82
S-4A	22-Sep-16	11:25:00 AM	0.012	33	75	0.022	0.027	NA	0.66	0.043	0.08	<0.006	0.746	NA	0.7	0.12	0.58	NA	0.04	NA	<1.0	<2.0
S-4A	04-May-17	10:40:00 AM	<0.010	33	NA	0.008	0.03	NA	0.42	0.15	0.12	<0.006	0.593	NA	0.49	0.27	0.21	NA	0.11	NA	0.3	16.6
S-4A	30-May-17	11:30:00 AM	<0.010	34	NA	0.009	0.037	NA	0.47	0.099	0.12	<0.006	0.592	NA	0.51	0.22	0.29	NA	0.05	NA	0.5	10.5
S-4A	28-Jun-17	11:40:00 AM	<0.010	36	NA	0.01	0.033	NA	0.37	0.066	0.08	<0.006	0.449	NA	0.43	0.15	0.28	NA	0.02	NA	0.3	6.11
S-4A	10-Aug-17	11:45:00 AM	<0.010	35	73	0.007	0.022	NA	0.33	<0.02	0.06	<0.006	0.403	NA	0.35	<0.08	0.29	NA	0.04	NA	0.2	7.72
S-4A	04-Oct-17	12:10:00 PM	<0.010	33	90	0.006	0.023	NA	0.34	0.046	0.06	<0.006	0.399	NA	0.31	0.11	0.2	NA	0.09	NA	0.2	3.31
S-4A	30-Apr-18	10:05:00 AM	<0.010	34	82	0.009	0.028	NA	0.62	0.064	0.1	<0.006	0.727	NA	0.6	0.16	0.44	NA	0.12	NA	0.17	5.27
S-4A	21-Jun-18	11:20:00 AM	<0.010	35	76	0.013	0.027	NA	0.74	0.07	<0.01	<0.006	0.748	NA	0.32	<0.08	0.25	NA	0.42	NA	0.77	5.77
S-4A	19-Jul-18	10:35:00 AM	<0.010	36	92	0.009	0.026	NA	0.36	<0.02	<0.01	<0.006	0.208	NA	0.27	<0.03	<0.25	NA	0.09	NA	0.8	78.2
S-4A	23-Aug-18	11:20:00 AM	<0.010	35	95	0.012	0.02	NA	0.63	0.024	<0.01	<0.006	0.642	NA	0.49	<0.03	0.47	NA	0.14	NA	0.8	42.5
S-4A	01-Oct-18	11:15:00 AM	<0.010	32	100	0.017	0.02	NA	1.8	0.036	0.06	<0.006	1.859	NA	0.49	0.1	0.39	NA	1.37	NA	1	276
S-4A	29-Apr-19	10:45:00 AM	0.011	36	89	0.012	0.026	NA	0.48	0.18	0.17	<0.006	0.653	NA	0.59	0.35	0.24	NA	0.06	NA	0.43	6.6
S-4A	27-Jun-19	10:35:00 AM	<0.010	35	94	0.009	0.032	NA	0.29	<0.02	0.08	<0.006	0.293	NA	0.37	<0.10	<0.2	NA	<0.2	NA	0.55	14.8
S-4A	14-Aug-19	10:35:00 AM	0.011	33	81	0.009	0.033	NA	0.41	<0.02	<0.01	<0.006	0.508	NA	0.41	<0.03	0.39	NA	<0.2	NA	0.58	<0.5
S-4A	28-Aug-19	10:20:00 AM	0.015	36	88	0.006	0.025	NA	0.36	<0.02	<0.01	<0.006	0.358	NA	0.33	<0.03	0.31	NA	0.03	NA	0.09	<0.5
S-4A	18-Sep-19	10:50:00 AM	<0.010	31	77	0.01	0.034	NA	0.8	0.047	0.04	<0.006	0.84	NA	0.27	0.09	0.18	NA	0.57	NA	1.21	33.2
S-4A	02-Jun-20	11:25:00 AM	0.012	41	90	0.008	0.052	NA	0.22	<0.02	0.06	<0.006	0.273	NA	<0.26	<0.08	<0.20	NA	<0.22	NA	0.9	16.6
S-4A	24-Jun-20	11:10:00 AM	0.011	40	89	0.014	0.02	NA	0.39	0.07	0.07	<0.006	0.463	NA	0.34	0.14	0.2	NA	0.12	NA	0.9	NS
S-4A	05-Aug-20	11:25:00 AM	0.01	37	89	0.008	0.062	NA	0.31	<0.02	<0.01	<0.006	0.218	NA	<0.22	<0.03	<0.21	NA	0.1	NA	0.7	NS
S-4A	09-Sep-20	10:40:00 AM	0.074	38	85	0.014	0.043	NA	0.31	<0.02	0.07	<0.006	0.373	NA	0.31	0.09	0.22	NA	0.07	NA	0.3	NS
S-4A	20-May-21	11:00:00 AM	<0.010	36	74	<0.006	0.033	NA	0.28	0.07	0.09	<0.006	0.373	NA	0.35	0.16	0.19	NA	0.02	NA	1.03	2.48
S-4A	30-Aug-21	11:05:00 AM	<0.010	36	87	0.021	0.032	NA	0.28	<0.02	0.05	<0.006	0.373	NA	0.3	0.01	0.28	NA	0.03	NA	0.64	3.52
S-4A	22-Jul-21	11:20:00 AM	0.007	36	91	0.128	0.139	NA	0.55	<0.02	0.08	<0.006	0.643	NA	0.49	0.08	0.41	NA	0.14	NA	0.88	3.36
S-4A	29-Sep-21	11:15:00 AM	0.01	30	98	0.009	0.031	NA	0.32	<0.02	0.27	<0.006	0.923	NA	0.48	0.27	0.11	NA	0.53	NA	0.76	30
S-4A	27-Apr-22	10:50:00 AM	0.023	35.8	86	<0.005	0.027	NA	<0.2	0.05	0.26	<0.006	0.573	NA	0.47	0.31	0.16	NA	<0.2	NA	<0.5	4.15
S-4A	01-Jun-22	9:40:00 AM	<0.010	40.1	130	<0.005	0.028	NA	0.42	<0.03	0.06	<0.006	0.393	NA	0.21	0.06	<0.21	NA	0.21	NA	0.2	NS
S-4A	13-Jul-22	10:45:00 AM	<0.010	49.6	88	<0.005	0.035	NA	0.21	<0.2	<0.01	<0.006	0.313	NA	<0.21	<0.04	<0.20	NA	<0.21	NA	0.79	3.3
S-4A	17-Oct-22	00-Jan-00	<0.010	38	90	0.006	0.032	NA	0.35	0.07	0.13	<0.006	0.483	NA	0.34	0.2	0.14	NA	0.14	NA	0.24	6.52
S-4A	29-Mar-23	9:00:00 AM	0.011	57	130	<0.005	0.129	NA	0.91	<0.020	0.44	<0.006	1.363	NA	0.79	0.44	0.35	NA	0.56	NA	0.42	NS
S-4A	25-Apr-23	8:50:00 AM	<0.010	67	140	<0.006	0.068	NA	0.56	0.09	0.14	<0.005	0.703	NA	0.42	0.23	0.19	NA	0.28	NA	0.64	29
S-4A	09-May-23	9:25:00 AM	<0.010	47	100	0.006	0.199	NA	1.5	<0.02	0.13	<0.006	1.643	NA	0.55	0.13	0.42	NA	1.08	NA	0.58	90.4
S-4A	11-Jul-23	8:25:00 AM	0.032	40	100	0.012	0.198	NA	1.1	0.044	<0.01	<0.006	1.112	NA	0.28	0.04	0.24	NA	0.82	NA	NT	19.6

S-4
Surface Water Sampling
Analytical Data

Station ID	Date	Time	Boron (mg/L)	Chloride (mg/L)	TDS (mg/L)	Ortho P (mg/L)	Total P (mg/L)	Re-issued TP	TKN (mg/L)	Ammonia-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Total Nitrogen (mg/L)	Re-issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re-issued DON	PON (mg/L)	Re-issued PON	POC (mg/L)	Chlorophyll-a (ug/L)
S-4A	08-Aug-23	8:25:00 AM	0.03	42	98	0.006	0.106	NA	0.98	<0.2	0.61	<0.006	1.513	NA	0.89	0.61	<0.28	NA	0.7	NA	0.74	14
S-4B	06-Mar-06	9:28:00 AM	<0.10	18	34	<0.10	<0.5	NA	---	<0.20	<0.10	<0.05	0.67	NA	<0.50	<0.2	<0.5	NA	<0.50	NA	<0.50	2.3
S-4B	13-Jul-06	8:50:00 AM	<0.01	22	70	0.022	0.035	NA	1.1	0.025	0.12	<0.0010	1.2155	NA	0.48	0.16	0.32	NA	0.75	NA	---	97
S-4B	19-Sep-06	9:40:00 AM	<0.03	42.1	60	<0.0257	<0.132	<0.0400	---	<0.130	0.792	<0.0220	1.453	1.455	1.4	0.93	0.52	0.522	<0.13	<0.130	<1.0	---
S-4B	07-Aug-06	8:30:00 AM	<0.01	18	22	<0.010	0.042	NA	<0.26	0.049	0.06	<0.0037	0.3708	NA	<0.26	0.12	<0.26	NA	<0.26	NA	0.8	70
S-4B	06-Aug-07	8:50:00 AM	<0.0300	21.2	54	0.03	<0.132	<0.0400	---	0.149	0.0618	<0.0220	1.4413	1.4368	1.4	0.881	1.2	1.15	<0.39	<0.130	<1.0	---

S-5
Surface Water Sampling
Analytical Data

Stati on ID	Date	Time	Boron (mg/L)	Chloride (mg/L)	TDS (mg/L)	Ortho P (mg/L)	Total P (mg/L)	Re- issued TP	TKN (mg/L)	Ammon- a-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Total Nitroge n (mg/L)	Re- issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re- issued DON	PON (mg/L)	Re- issued PON	POC (mg/L)	Chlorop hyll-a (ug/L)
S-5B	28-May-98	9:00:00 AM	0.077	107	226	0.023	ND	---	0.38	ND	0.062	ND	0.512	---	---	---	---	---	---	---	---	2
S-5B	29-Jun-98	10:30:00 AM	0.021	23.5	78	0.024	ND	---	0.65	ND	0.106	ND	0.826	---	---	---	---	---	---	---	---	ND
S-5B	04-Aug-98	10:45:00 AM	0.033	27.1	50	ND	0.017	---	0.43	ND	ND	ND	0.52	---	---	---	---	---	---	---	---	ND
S-5B	25-Aug-98	9:00:00 AM	<0.02	21.1	126	0.052	ND	---	0.21	ND	0.094	ND	0.304	---	---	---	---	---	---	---	---	ND
S-5B	18-Sep-98	11:20:00 AM	<0.02	21.8	86	ND	0.023	---	ND	ND	ND	ND	0.19	---	---	---	---	---	---	---	---	1.2
S-5B	20-Nov-98	10:45:00 AM	<0.02	47	102	ND	ND	---	0.313	ND	0.0805	ND	0.4635	---	---	---	---	---	---	---	---	5.28
S-5B	24-Feb-99	9:45:00 AM	<0.02	24.5	60	0.055	0.036	---	0.119	ND	0.15	ND	0.339	---	---	---	---	---	---	---	---	5.17
S-5B	03-Jun-99	---	<0.02	24	68	0.015	0.012	---	NA	0.018	0.04	NA	0.56	---	0.376	0.318	0.318	---	0.184	---	108	3.6
S-5B	22-Jun-99	---	0.025	75	200	0.015	0.055	---	NA	0.011	0.015	NA	0.57	---	0.187	0.026	0.162	---	0.382	---	193.5	8.4
S-5B	19-Jul-99	---	0.02	93	180	0.016	0.036	---	NA	0.022	0.029	NA	0.421	---	0.216	0.051	0.165	---	0.205	---	110.2	6.8
S-5B	18-Aug-99	---	0.025	22	22	0.016	0.04	---	NA	0.018	0.023	NA	0.327	---	0.196	0.041	0.155	---	0.131	---	58.2	<0.4
S-5B	28-Sep-99	---	<0.02	22	74	0.013	0.025	---	NA	0.028	0.063	NA	0.534	---	0.264	0.09	0.173	---	0.27	---	127.3	<0.4
S-5B	17-Nov-99	---	0.027	0	110	0.013	0.044	---	NA	0.023	0.097	NA	0.398	---	0.253	0.12	0.133	---	0.145	---	92.7	17
S-5B	22-Feb-00	---	0.038	56	130	NA	NA	---	NA	NA	NA	NA	NA	---	NA	NA	NA	---	NA	---	NA	4.8
S-5B	28-Feb-01	---	<0.02	44	210	0.015	0.005	---	NA	0.023	0.203	NA	0.486	---	0.363	0.226	0.138	---	0.122	---	0.944	<0.4
S-5B	26-Jul-01	---	<0.02	27	16	0.024	0.019	---	NA	0.02	0.03	NA	0.361	---	0.259	0.05	0.209	---	0.102	---	0.793	<0.4
S-5B	06-Aug-02	---	<0.02	23	96	0.03	0.04	---	NA	0.02	---	---	0.39	---	0.31	0.09	0.22	---	0.09	---	0.56	<0.4
S-5B	01-Oct-02	---	<0.02	24	96	0.02	0.02	---	---	0.04	---	---	0.39	---	0.33	0.1	0.23	---	0.06	---	0.5	<0.4
S-5B	14-Nov-02	---	---	---	---	0.007	0.018	---	---	0.108	---	---	0.666	---	0.591	0.28	0.311	---	0.075	---	0.646	---
S-5B	26-Mar-03	---	<0.02	33	92	0.019	0.064	---	---	0.023	---	---	0.65	---	0.478	0.215	0.263	---	0.171	---	1.087	8
S-5B	03-Jun-03	---	<0.02	24	80	0.01	0.047	---	---	0.063	---	---	0.9	---	0.729	0.166	0.563	---	0.171	---	1.401	0.8
S-5B	24-Jun-03	---	<0.02	21	94	0.012	0.029	---	---	0.046	---	---	0.75	---	0.62	0.139	0.481	---	0.13	---	0.859	<0.4
S-5B	17-Jul-03	---	<0.02	26	70	<0.002	<0.003	---	---	<0.007	---	---	0.86	---	0.773	0.038	0.735	---	0.087	---	0.661	<0.4
S-5B	27-Aug-03	---	<0.02	25	90	0.018	0.034	---	---	0.013	---	---	0.944	---	0.836	0.034	0.803	---	0.107	---	0.655	<0.4
S-5B	18-Sep-03	---	<0.02	24	82	0.015	0.024	---	---	0.054	---	---	1.347	---	1.271	0.17	1.102	---	0.076	---	0.562	0.8
S-5B	11-Nov-03	---	<0.02	24	98	0.022	0.035	---	---	0.058	---	---	0.412	---	0.412	0.27	0.142	---	---	---	---	<0.4
S-5B	23-Jun-04	---	<0.02	---	82	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2.4
S-5B	26-Jul-04	---	<0.02	---	98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.4
S-5B	06-Mar-06	8:40:00 AM	<0.10	29	70	<0.10	<0.5	---	---	<0.20	0.17	<0.05	0.79	---	<0.50	0.3	<0.5	---	<0.50	---	<0.50	17
S-5B	13-Jul-06	8:15:00 AM	<0.01	30	44	0.025	0.042	---	0.38	0.051	0.13	<0.0010	0.9415	---	0.78	0.15	0.63	---	<0.26	---	---	3.8
S-5B	07-Aug-06	8:05:00 AM	<0.01	30	98	0.02	0.058	---	<0.26	0.056	0.074	<0.0037	0.3918	---	<0.26	0.19	<0.26	---	<0.26	---	0.7	2.7
S-5B	19-Sep-06	8:55:00 AM	<0.03	43.9	70	<0.0257	<0.132	<0.0400	---	<0.130	0.788	0.0227	1.7407	1.7397	1.7	0.86	0.8	0.799	<0.13	<0.130	<1.0	---
S-5B	30-Oct-06	8:40:00 AM	<0.0300	29.5	81	0.0054	<0.132	0.0596	---	<0.130	0.14	<0.0100	1.251	1.243	1.2	0.259	0.97	0.968	<0.13	<0.130	<1.0	NM
S-5B	10-Apr-07	9:00:00 AM	<0.0300	29.6	82	<0.0257	0.643	0.643	---	0.214	0.0974	<0.0220	0.7124	0.7514	0.69	0.174	<0.39	0.364	<0.39	<0.130	<1.0	---
S-5B	09-Jul-07	10:00:00 AM	<0.0300	33.9	96	0.0317	<0.132	0.0571	---	0.149	0.11	<0.0220	1.035	0.903	0.83	0.174	0.57	0.568	<0.39	<0.130	<1.0	---
S-5B	06-Aug-07	8:10:00 AM	0.0332	34.5	62	0.0285	<0.132	0.0574	---	<0.130	<0.0257	<0.0220	0.92385	0.79885	0.74	0.254	0.64	0.645	<0.39	<0.130	<1.0	---
S-5B	12-Sep-07	8:20:00 AM	<0.0300	44.9	66	<0.0257	<0.132	0.0465	---	<0.130	0.0651	<0.0220	0.5311	0.5151	<0.39	0.337	<0.39	0.192	<0.39	0.182	<1.0	2.8
S-5B	04-Oct-07	9:05:00 AM	<0.0300	30.2	221	<0.0257	<0.132	<0.0400	---	<0.130	0.0598	<0.0220	1.064	0.563	0.51	0.252	<0.39	0.363	<0.39	<0.130	<1.0	3.8
S-5B	10-Apr-08	8:40:00 AM	<0.0300	31.7	106	<0.0257	<0.132	<0.0400	---	<0.130	0.17	<0.0220	0.636	0.376	0.5	0.252	<0.39	<0.130	<0.39	<0.130	<1.0	5.6

S-5

Surface Water Sampling

Analytical Data

Stati on ID	Date	Time	Boron (mg/L)	Chloride (mg/L)	TDS (mg/L)	Ortho P (mg/L)	Total P (mg/L)	Re- issued TP	TKN (mg/L)	Ammon- a-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Total Nitroge n (mg/L)	Re- issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re- issued DON	PON (mg/L)	Re- issued PON	POC (mg/L)	Chlorop hyll-a (ug/L)
S-5B	29-Jul-08	10:40:00 AM	0.041	93.8	181	0.164	0.714	0.714	---	0.352	0.0616	<0.0220	0.8146	0.6636	0.6	0.279	<0.39	0.174	<0.39	<0.130	<1.0	30.4
S-5B	28-Aug-08	9:10:00 AM	0.037	30.3	70	<0.020	<0.132	<0.0400	---	<0.130	0.0924	0.0422	0.9146	0.7796	0.78	0.464	0.52	0.515	<0.39	<0.130	<1.0	11.2
S-5B	17-Sep-08	8:40:00 AM	0.03	30.4	91	<0.020	0.03	0.03	---	<0.130	0.11	<0.0220	0.576	0.585	0.44	<0.130	<0.39	0.334	<0.39	<0.130	<1.0	1.1
S-5B	21-Oct-08	10:00:00 AM	<0.0300	29.1	71	0.0056	<0.132	<0.0400	---	<0.130	0.09	<0.0070	0.7735	0.6415	0.55	0.27	0.42	0.418	<0.39	<0.130	<1.0	<0.500
S-5B	13-Apr-09	11:10:00 AM	<0.0300	30.3	50	<0.0257	---	0.232	---	0.194	0.29	<0.0220	---	0.937	0.86	0.592	---	0.377	---	<0.130	<1.0	2.93
S-5B	31-Jul-09	7:55:00 AM	<0.010	31.4	86	0.051	0.057	NA	0.84	0.51	0.12	<0.004	1.012	NA	0.96	0.63	0.33	NA	<0.10	NA	<0.5	2.1
S-5B	27-Aug-09	8:10:00 AM	0.01	34.8	82	0.028	0.081	NA	0.35	<0.10	0.05	<0.004	0.732	NA	0.4	<0.20	0.35	NA	0.28	NA	<0.5	<1.1
S-5B	30-Sep-09	8:20:00 AM	<0.010	34	88	0.025	0.1	NA	<0.20	<0.10	0.08	<0.004	0.332	NA	<0.20	<0.20	<0.20	NA	<0.20	NA	<0.50	<1.1
S-5B	21-Oct-09	9:00:00 AM	<0.010	33.6	95	0.096	0.123	NA	<0.20	0.12	0.18	<0.004	0.502	NA	0.38	0.28	<0.20	NA	<0.20	NA	<0.50	<1.1
S-5B	28-Apr-10	12:35:00 PM	<0.010	37.1	98	0.01	0.048	NA	0.21	0.05	0.12	<0.004	0.332	NA	0.26	0.17	0.09	NA	0.07	NA	0.2	7.5
S-5B	22-Jun-10	10:30:00 AM	0.012	37.3	95	0.032	0.084	NA	0.7	0.11	0.04	<0.004	0.842	NA	0.74	0.15	0.59	NA	<0.20	NA	0.3	8.8
S-5B	27-Jul-10	8:10:00 AM	0.016	35.7	103	0.007	0.013	NA	0.35	0.19	<0.01	<0.004	0.357	NA	0.28	0.19	0.09	NA	0.07	NA	2.6	15
S-5B	26-Aug-10	8:10:00 AM	0.141	31.1	196	<0.005	0.023	NA	0.56	0.14	0.1	<0.004	0.662	NA	0.59	0.24	0.35	NA	0.07	NA	0.1	<1.1
S-5B	21-Sep-10	10:30:00 AM	0.012	34.5	46	<0.005	<0.005	NA	0.49	0.11	0.05	<0.004	0.542	NA	0.47	0.16	0.31	NA	0.07	NA	0.1	<1.1
S-5B	20-Apr-11	8:40:00 AM	<0.010	42.4	101	<0.005	0.067	NA	0.21	0.04	0.16	<0.004	0.462	NA	0.36	0.2	0.16	NA	<0.2	NA	2.1	9.1
S-5B	24-May-11	7:50:00 AM	<0.010	41.4	104	<0.005	0.05	NA	0.28	0.05	0.13	<0.004	0.412	NA	<0.33	0.18	0.15	NA	0.08	NA	<0.50	1.1
S-5B	13-Jun-11	8:20:00 AM	0.011	36.3	82	0.012	0.032	NA	0.2	0.08	0.13	<0.004	0.412	NA	<0.33	0.21	<0.2	NA	<0.2	NA	<0.50	6.7
S-5B	26-Jul-11	9:30:00 AM	0.013	42.4	97	0.017	0.18	NA	0.42	<0.02	<0.01	<0.004	0.437	NA	0.28	<0.2	0.28	NA	0.14	NA	0.2	24
S-5B	12-Sep-11	10:00:00 AM	0.01	36.4	79	0.012	0.053	NA	0.35	0.38	0.17	<0.004	0.752	NA	0.52	0.55	<0.2	NA	<0.2	NA	0.3	<1.1
S-5B	27-Mar-12	8:30:00 AM	0.012	38.6	86	0.006	0.053	NA	0.38	0.03	0.13	<0.004	0.512	NA	0.43	0.16	0.27	NA	0.08	NA	1.3	17.9
S-5B	19-Jun-12	9:00:00 AM	0.038	138	263	<0.005	0.033	NA	<0.2	0.03	0.12	<0.004	0.337	NA	<0.32	0.15	<0.17	NA	<0.2	NA	0.1	3.2
S-5B	19-Jul-12	9:15:00 AM	0.014	46.1	47	0.037	0.097	NA	0.22	0.11	0.13	<0.004	0.352	NA	0.34	0.24	0.1	NA	0.01	NA	0.2	11.8
S-5B	29-Aug-12	9:00:00 AM	<0.010	33.5	85	0.019	0.057	NA	0.22	0.04	0.13	<0.004	0.262	NA	<0.33	0.17	<0.16	NA	<0.02	NA	0.2	3.84
S-5B	03-Oct-12	10:45:00 AM	<0.010	35.1	85	0.009	0.04	NA	0.47	0.1	0.17	<0.004	0.642	NA	0.54	0.27	0.27	NA	0.1	NA	<0.2	2.62
S-5B	02-Apr-13	10:20:00 AM	0.047	199	354	0.006	0.027	NA	0.59	<0.02	0.17	<0.004	0.772	NA	0.54	0.17	0.37	NA	0.22	NA	0.1	16.4
S-5B	21-May-13	9:10:00 AM	0.027	74	138	0.007	0.051	NA	0.41	0.12	0.16	<0.004	0.632	NA	0.53	0.28	0.25	NA	<0.2	NA	<0.2	10.7
S-5B	18-Jun-13	8:30:00 AM	0.014	54.5	121	0.015	0.054	NA	0.63	0.16	0.18	<0.004	0.812	NA	0.7	0.34	0.36	NA	0.11	NA	<0.2	10.6
S-5B	29-Aug-13	10:30:00 AM	<0.010	48.3	97	0.012	0.041	NA	0.36	0.03	0.09	<0.004	0.452	NA	0.4	0.12	0.28	NA	0.05	NA	0.3	5.29
S-5B	03-Oct-13	10:10:00 AM	<0.010	45.4	105	0.01	0.029	NA	0.48	0.07	0.17	<0.004	0.652	NA	0.62	0.24	0.38	NA	0.03	NA	0.2	8.36
S-5B	01-Apr-14	10:10:00 AM	0.052	191	371	<0.005	0.023	NA	0.4	0.081	0.24	<0.004	0.643	NA	0.62	0.32	0.3	NA	0.02	NA	<1.0	8.91
S-5B	09-Jun-14	10:15:00 AM	0.018	58.5	126	0.008	0.021	NA	0.38	0.09	0.16	<0.004	0.542	NA	0.53	0.25	0.28	NA	0.01	NA	<1.0	14.3
S-5B	05-Aug-14	11:30:00 AM	0.014	51.6	<6.0	0.034	0.05	NA	<0.2	0.04	<0.01	<0.004	0.227	NA	<0.2	0.04	<0.16	NA	<0.2	NA	0.1	4.56
S-5B	25-Sep-14	8:15:00 AM	<0.010	49.8	106	0.021	0.023	NA	0.23	0.07	0.11	<0.004	0.502	NA	0.34	0.18	0.16	NA	0.16	NA	0.3	3.44
S-5B	15-Oct-14	9:00:00 AM	<0.010	48.4	104	0.014	0.025	NA	0.27	0.25	0.2	<0.006	0.573	NA	0.43	0.45	<0.20	NA	0.02	NA	0.1	5.55
S-5B	30-Apr-15	9:05:00 AM	0.026	86.8	166	0.007	0.02	NA	<0.2	0.49	0.12	<0.006	0.813	NA	<0.32	0.61	<0.2	NA	<0.2	NA	<1.0	5.75
S-5B	28-May-15	9:25:00 AM	<0.010	69.8	140	0.009	0.027	NA	<0.2	0.06	0.08	<0.006	0.343	NA	<0.28	0.14	<0.14	NA	<0.2	NA	0.3	4.67
S-5B	23-Jun-15	9:30:00 AM	<0.010	57.4	122	0.016	0.042	NA	0.31	0.049	0.11	<0.006	0.422	NA	0.4	0.16	0.24	NA	0.02	NA	0.2	4.61
S-5B	22-Jul-15	1:00:00 PM	0.011	66.9	139	0.023	0.041	NA	0.29	0.07	<0.01	<0.006	0.398	NA	0.3	0.07	0.22	NA	<0.2	NA	<0.2	3.51
S-5B	02-Sep-15	10:20:00 AM	<0.010	32.2	79	0.012	0.03	NA	0.29	0.02	<0.01	<0.006	0.298	NA	0.28	<0.03	0.26	NA	0.01	NA	<0.2	5.21

S-5

Surface Water Sampling

Analytical Data

Stati on ID	Date	Time	Boron (mg/L)	Chloride (mg/L)	TDS (mg/L)	Ortho P (mg/L)	Total P (mg/L)	Re- issued TP	TKN (mg/L)	Ammon a-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Total Nitroge n (mg/L)	Re- issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re- issued DON	PON (mg/L)	Re- issued PON	POC (mg/L)	Chlorop hyll-a (ug/L)
S-5B	21-Apr-16	9:20:00 AM	0.015	56.5	112	<0.005	0.045	NA	0.32	0.04	<0.01	<0.006	0.318	NA	0.31	0.04	0.27	NA	0	NA	0.2	19.5
S-5B	20-Jun-16	9:20:00 AM	0.016	54.5	113	0.01	0.051	NA	0.46	0.02	0.13	<0.006	0.593	NA	0.49	0.15	0.34	NA	0.1	NA	0.5	11.2
S-5B	18-Jul-16	10:00:00 AM	0.013	57.2	128	0.02	0.061	NA	0.33	0.04	0.03	<0.006	0.363	NA	0.33	0.07	0.26	NA	0.03	NA	0.3	8.61
S-5B	25-Aug-16	10:15:00 AM	<0.010	51	113	0.018	0.058	NA	0.28	0.068	<0.01	<0.006	0.286	NA	0.25	0.07	0.18	NA	0.03	NA	0.1	10
S-5B	22-Sep-16	11:10:00 AM	0.019	48	106	0.01	0.039	NA	0.74	0.094	<0.01	<0.006	0.752	NA	0.65	0.09	0.56	NA	0.09	NA	<1.0	5.79
S-5B	04-May-17	10:20:00 AM	<0.010	45	NA	0.007	0.028	NA	0.52	0.061	0.15	<0.006	0.674	NA	0.51	0.21	0.3	NA	0.16	NA	0.4	16.7
S-5B	30-May-17	11:15:00 AM	<0.010	70	NA	0.006	0.031	NA	0.51	0.097	0.15	<0.006	0.66	NA	0.55	0.25	0.3	NA	0.11	NA	0.4	15.4
S-5B	28-Jun-17	11:20:00 AM	<0.010	48	NA	0.014	0.036	NA	0.44	0.034	0.14	<0.006	0.577	NA	0.5	0.18	0.32	NA	0.08	NA	0.3	9.84
S-5B	10-Aug-17	11:30:00 AM	0.011	46	100	0.007	0.029	NA	0.42	0.15	0.05	<0.006	0.473	NA	0.41	0.2	0.21	NA	0.06	NA	0.3	12.7
S-5B	04-Oct-17	11:30:00 AM	<0.010	45	120	0.005	0.027	NA	0.36	0.042	0.12	<0.006	0.485	NA	0.38	0.16	0.22	NA	0.1	NA	0.1	8.71
S-5B	30-Apr-18	9:50:00 AM	<0.010	140	67	<0.005	0.01	NA	0.56	<0.006	0.2	<0.006	0.765	NA	0.54	0.29	0.25	NA	0.22	NA	0.2	19
S-5B	21-Jun-18	11:00:00 AM	<0.010	160	79	0.026	0.049	NA	0.74	0.045	<0.01	<0.006	0.753	NA	0.46	<0.06	0.42	NA	0.28	NA	0.87	24
S-5B	19-Jul-18	10:15:00 AM	<0.010	160	72	0.012	0.046	NA	0.62	<0.02	0.07	<0.006	0.683	NA	0.43	<0.09	0.34	NA	0.26	NA	0.37	12
S-5B	23-Aug-18	11:00:00 AM	<0.010	130	53	0.014	0.019	NA	0.33	0.095	0.1	<0.006	0.438	NA	0.37	0.2	0.18	NA	0.06	NA	0.44	5.75
S-5B	01-Oct-18	10:50:00 AM	<0.010	130	48	0.013	0.016	NA	0.33	0.053	0.16	<0.006	0.496	NA	0.47	0.21	0.26	NA	0.02	NA	0.46	3.13
S-5B	29-Apr-19	10:15:00 AM	0.016	47	105	0.011	0.014	NA	0.58	0.19	0.22	<0.006	0.803	NA	0.6	0.41	0.19	NA	0.2	NA	0.53	13.3
S-5B	27-Jun-19	9:50:00 AM	<0.010	44	110	0.01	0.018	NA	0.54	<0.02	0.1	<0.006	0.403	NA	0.45	<0.12	<0.2	NA	0.19	NA	0.46	17
S-5B	14-Aug-19	10:00:00 AM	0.014	50	110	0.01	0.049	NA	0.45	<0.02	0.06	<0.006	0.213	NA	0.47	<0.08	<0.20	NA	0.04	NA	0.35	4.92
S-5B	28-Aug-19	10:00:00 AM	0.021	49	110	0.006	0.03	NA	0.39	<0.02	0.06	<0.006	0.443	NA	0.35	<0.08	0.27	NA	0.1	NA	0.06	<0.5
S-5B	18-Sep-19	10:30:00 AM	0.01	48	110	0.006	0.041	NA	0.34	0.078	0.09	<0.006	0.431	NA	0.36	0.17	0.19	NA	0.07	NA	0.27	3.18
S-5B	02-Jun-20	11:05:00 AM	0.018	50	100	0.005	0.043	NA	0.38	<0.02	0.07	<0.006	0.283	NA	<0.27	<0.09	<0.20	NA	<0.38	NA	0.6	4.98
S-5B	24-Jun-20	10:50:00 AM	0.016	51	110	0.011	0.016	NA	0.47	0.05	0.02	<0.006	0.473	NA	0.27	0.07	0.2	NA	0.2	NA	0.7	NS
S-5B	05-Aug-20	11:00:00 AM	0.016	48	112	0.008	0.069	NA	0.43	<0.02	<0.01	<0.006	0.373	NA	<0.21	<0.03	<0.20	NA	<0.43	NA	0.5	NS
S-5B	09-Sep-20	10:30:00 AM	0.073	44	100	0.011	0.049	NA	0.35	<0.02	0.07	<0.006	0.413	NA	0.39	0.09	0.3	NA	0.03	NA	0.3	NS
S-5B	20-May-21	10:50:00 AM	0.018	52	52	<0.005	0.055	NA	0.44	0.18	0.16	<0.006	0.623	NA	0.38	0.34	0.04	NA	0.22	NA	0.98	18.9
S-5B	22-Jul-21	11:00:00 AM	0.031	150	290	0.135	0.13	NA	0.63	0.05	0.1	<0.006	0.733	NA	0.65	0.15	0.5	NA	0.08	NA	0.54	12.9
S-5B	30-Aug-21	10:55:00 AM	0.014	52	120	0.038	0.053	NA	0.39	<0.02	0.06	<0.006	0.643	NA	0.27	0.06	0.39	NA	0.18	NA	0.75	9.4
S-5B	29-Sep-21	11:05:00 AM	0.011	40	108	0.009	0.037	NA	0.25	0.15	0.26	<0.006	0.563	NA	0.48	0.41	<0.06	NA	<0.25	NA	0.06	6.47
S-5B	27-Apr-22	10:30:00 AM	<0.010	51.4	120	<0.005	0.04	NA	0.35	<0.03	0.29	<0.006	0.658	NA	0.5	0.29	0.21	NA	0.14	NA	<0.5	18.6
S-5B	01-Jun-22	9:30:00 AM	0.013	51.3	130	0.006	0.055	NA	0.56	0.03	0.08	<0.006	0.643	NA	0.64	0.11	0.25	NA	0.28	NA	0.26	NS
S-5B	13-Jul-22	10:35:00 AM	0.018	98.3	170	0.01	0.068	NA	0.35	<0.2	<0.01	<0.006	0.353	NA	0.21	<0.04	<0.21	NA	0.14	NA	0.61	11.2
S-5B	17-Oct-22	00-Jan-00	<0.010	46	110	0.005	0.046	NA	0.84	0.07	0.19	<0.006	1.003	NA	0.66	0.26	0.4	NA	0.37	NA	0.22	16.5
S-5B	29-Mar-23	8:50:00 AM	0.012	51	110	<0.005	0.024	NA	0.35	<0.020	0.53	<0.006	0.893	NA	0.81	0.53	0.28	NA	0.07	NA	<0.2	NS
S-5B	25-Apr-23	8:30:00 AM	<0.010	49	100	<0.005	0.031	NA	0.28	0.073	0.21	<0.005	0.491	NA	0.21	0.28	<0.13	NA	<0.28	NA	0.39	4.87
S-5B	09-May-23	9:05:00 AM	0.01	47	84	<0.005	0.045	NA	0.49	<0.02	0.14	<0.006	0.643	NA	0.42	0.14	0.28	NA	0.21	NA	<0.2	11.5
S-5B	11-Jul-23	8:15:00 AM	0.034	53	110	0.028	0.092	NA	0.42	0.18	<0.01	<0.006	0.428	NA	0.35	0.18	0.17	NA	0.07	NA	NT	7.62
S-5B	08-Aug-23	8:15:00 AM	0.011	52	110	<0.005	0.063	NA	0.49	<0.2	<0.01	<0.006	0.488	NA	0.21	<0.04	<0.2	NA	0.28	NA	0.49	6.33

S-6
Surface Water Sampling
Analytical Data

Stati on ID	Date	Time	Boron (mg/L)	Chloride (mg/L)	TDS (mg/L)	Ortho P (mg/L)	Total P (mg/L)	Re- issued TP	TKN (mg/L)	Ammon- a-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Total Nitroge n (mg/L)	Re- issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re- issued DON	PON (mg/L)	Re- issued PON	POC (mg/L)	Chlorop hyll-a (ug/L)
S-6A	28-May-98	5:00:00 PM	0.257	14.3	60	0.042	<0.05	---	0.52	<0.1	0.304	<0.05	0.894	---	---	---	---	---	---	---	---	1.34
S-6A	29-Jun-98	3:20:00 PM	<0.02	15.5	19	0.024	<0.05	---	0.52	<0.1	0.24	<0.05	0.83	---	---	---	---	---	---	---	---	ND
S-6A	04-Aug-98	3:20:00 PM	<0.02	14.2	<10	<0.01	0.017	---	1.03	<0.1	0.227	<0.05	1.327	---	---	---	---	---	---	---	---	0.455
S-6A	25-Aug-98	3:30:00 PM	<0.02	12.2	78	0.039	<0.05	---	0.227	<0.1	0.17	<0.05	0.397	---	---	---	---	---	---	---	---	ND
S-6A	18-Sep-98	4:15:00 PM	<0.02	12.8	76	0.03	0.045	---	<0.2	<0.1	0.158	<0.05	0.328	---	---	---	---	---	---	---	---	ND
S-6A	20-Nov-98	---	<0.02	14.5	64	0.036	0.061	---	<0.2	<0.1	0.352	<0.05	0.352	---	---	---	---	---	---	---	---	0.45
S-6A	24-Feb-99	1:50:00 PM	<0.02	15.6	46	0.055	0.031	---	0.101	<0.1	0.434	<0.05	0.605	---	---	---	---	---	---	---	---	0.431
S-6A	03-Jun-99	---	<0.02	13	46	0.021	0.053	---	NA	0.068	0.311	NA	0.659	---	0.563	0.379	0.184	---	0.096	---	107.2	3.2
S-6A	22-Jun-99	---	<0.02	14	72	0.028	0.066	---	NA	0.121	0.289	NA	1.04	---	0.928	0.41	0.518	---	0.112	---	86.2	3
S-6A	19-Jul-99	---	0.027	14	30	0.022	0.066	---	NA	0.039	0.274	NA	0.665	---	0.456	0.313	0.143	---	0.209	---	157.8	2.8
S-6A	18-Aug-99	---	0.021	14	16	0.019	0.04	---	NA	0.028	0.214	NA	0.41	---	0.341	0.242	0.099	---	0.069	---	42.9	4.1
S-6A	28-Sep-99	---	0.007	14	58	0.013	0.039	---	NA	0.016	0.183	NA	0.533	---	0.42	0.198	0.222	---	0.112	---	78.6	2
S-6A	17-Nov-99	---	<0.02	14	100	0.14	0.196	---	NA	0.014	0.117	NA	0.505	---	0.311	0.131	0.18	---	0.194	---	111.2	3.2
S-6A	22-Feb-00	---	<0.02	12	48	NA	NA	---	NA	NA	NA	NA	NA	---	NA	NA	NA	---	NA	---	NA	3.6
S-6A	28-Feb-01	---	<0.02	13	74	0.251	0.055	---	NA	0.014	0.077	NA	0.394	---	0.23	0.061	0.138	---	0.165	---	1.672	<0.4
S-6A	26-Jul-01	---	<0.02	14	48	BDL	0.026	---	NA	0.001	0.239	NA	0.478	---	0.478	0.239	0.238	---	BDL	---	0.821	ND
S-6A	06-Aug-02	---	0.021	15	88	0.02	0.06	---	NA	0.04	---	---	0.48	---	0.41	0.25	0.16	---	0.07	---	0.64	<0.4
S-6A	01-Oct-02	---	<0.02	14	88	0.02	0.04	---	---	0.06	---	---	1.15	---	1.04	0.32	0.72	---	0.11	---	0.71	2.6
S-6A	14-Nov-02	---	---	---	---	0.33	0.407	---	---	0.041	---	---	1.232	---	1.141	0.182	0.959	---	0.092	---	0.63	---
S-6A	26-Mar-03	---	<0.02	13	68	0.016	0.047	---	---	0.096	---	---	0.879	---	0.833	0.601	0.233	---	0.045	---	0.899	1.1
S-6A	03-Jun-03	---	<0.02	15	60	0.019	0.057	---	---	0.046	---	---	0.835	---	0.764	0.561	0.202	---	0.071	---	0.787	<0.4
S-6A	24-Jun-03	---	<0.02	14	68	0.014	0.039	---	---	0.033	---	---	0.854	---	0.805	0.573	0.232	---	0.049	---	0.478	<0.4
S-6A	17-Jul-03	---	<0.02	14	60	0.017	0.032	---	---	0.083	---	---	1.198	---	1.131	0.494	0.637	---	0.067	---	1.338	<0.4
S-6A	27-Aug-03	---	<0.02	16	74	0.028	<0.003	---	---	0.027	---	---	0.391	---	0.323	0.112	0.211	---	0.068	---	1.399	<0.4
S-6A	18-Sep-03	---	<0.02	15	62	0.033	0.059	---	---	0.046	---	---	1.125	---	1.059	0.186	0.874	---	0.065	---	0.835	<0.4
S-6A	11-Nov-03	---	<0.02	13	76	0.138	0.174	---	---	0.028	---	---	0.79	---	0.79	0.257	0.532	---	---	---	---	<0.4
S-6A	23-Jun-04	---	<0.02	---	62	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.8
S-6A	26-Jul-04	---	<0.02	---	88	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.4
S-6A	06-Mar-06	2:35:00 PM	<0.10	14	42	<0.10	<0.5	---	---	<0.20	0.4	<0.05	1.02	---	0.5	0.5	<0.5	---	<0.50	---	<0.50	1.2
S-6A	13-Jul-06	12:40:00 PM	0.026	14	38	0.026	0.036	---	0.63	0.02	0.3	<0.0010	0.9305	---	0.79	0.31	0.48	---	<0.26	---	---	2.1
S-6A	07-Aug-06	11:35:00 AM	<0.01	15	76	0.012	0.058	---	<0.26	0.038	0.24	<0.0037	1.5098	---	0.36	0.3	1.1	---	<0.26	---	<0.50	3.4
S-6A	20-Sep-06	10:20:00 AM	<0.03	14.1	41.1	0.0282	<0.132	0.0731	---	0.219	0.15	<0.0220	0.51	0.51	0.34	0.32	<0.13	<0.130	<0.13	<0.130	<1.0	---
S-6A	30-Oct-06	11:00:00 AM	<0.0300	15.7	86	0.0195	<0.132	0.07	---	0.307	0.34	<0.0100	1.327	1.328	1.3	0.539	0.61	0.611	<0.13	<0.130	1.1	NM
S-6A	09-Jul-07	12:40:00 PM	<0.0300	15	53	<0.0257	<0.132	<0.0400	---	0.167	0.377	<0.0220	1.35	1.22	1.2	0.472	0.6	0.6	<0.39	<0.130	<1.0	---
S-6A	06-Aug-07	12:30:00 PM	<0.0300	17.9	49	<0.0257	<0.132	<0.0400	---	<0.130	0.309	<0.0220	1.1	0.971	0.91	0.505	0.52	0.521	<0.39	<0.130	2	---
S-6A	12-Sep-07	10:25:00 AM	<0.0300	19	87	<0.0257	<0.132	0.0578	---	0.207	0.32	<0.0220	1.733	1.613	1.5	0.42	1	1.01	<0.39	<0.130	<1.0	3.7
S-6A	04-Oct-07	11:30:00 AM	<0.0300	18.4	63	0.0373	<0.132	0.0665	---	<0.130	0.416	<0.0220	1.207	1.079	1	0.647	0.52	0.522	<0.39	<0.130	<1.0	2
S-6A	10-Apr-08	11:15:00 AM	<0.0300	17.2	71	<0.0257	<0.132	<0.0400	---	<0.130	0.413	<0.0220	0.879	0.619	0.76	0.841	<0.39	<0.130	<0.39	<0.130	<1.0	2.5
S-6A	29-Jul-08	12:40:00 PM	0.034	91.1	142	0.0262	0.962	0.962	---	0.552	0.319	<0.0220	1.272	1.251	0.66	0.433	<0.39	<0.130	<0.39	0.304	<1.0	6.7

S-6
Surface Water Sampling
Analytical Data

Stati on ID	Date	Time	Boron (mg/L)	Chloride (mg/L)	TDS (mg/L)	Ortho P (mg/L)	Total P (mg/L)	Re- issued TP	TKN (mg/L)	Ammon a-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Total Nitroge n (mg/L)	Re- issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re- issued DON	PON (mg/L)	Re- issued PON	POC (mg/L)	Chlorop hyll-a (ug/L)
S-6A	28-Aug-08	11:50:00 AM	<0.0300	1.67	63	0.03	<0.132	<0.0400	---	<0.130	0.358	0.0357	0.8487	0.8187	1	0.967	<0.39	0.295	<0.39	<0.130	<1.0	4
S-6A	17-Sep-08	10:50:00 AM	<0.0300	21.1	65	<0.020	0.04	0.04	---	<0.130	0.35	0	0.8085	0.8575	0.81	0.392	<0.39	0.374	<0.39	<0.130	1.1	4.5
S-6A	21-Oct-08	11:45:00 AM	0.069	18.5	66	0.02	<0.132	<0.0400	---	<0.130	0.25	<0.0070	0.9935	0.8665	0.8	0.539	0.48	0.483	<0.39	<0.130	<1.0	3.71
S-6A	13-Apr-09	1:35:00 PM	<0.0300	16.5	26	<0.0257	---	<0.0400	---	<0.130	0.4	<0.0220	---	0.606	0.51	0.615	---	<0.130	---	<0.130	<1.0	1.56
S-6A	31-Jul-09	9:40:00 AM	<0.010	16.3	39	0.023	0.065	NA	<0.1	<0.10	0.26	<0.004	1.342	NA	0.26	<0.10	0.26	NA	0.77	NA	<0.50	<1.1
S-6A	27-Aug-09	10:30:00 AM	0.01	16.8	34	0.035	0.057	NA	0.28	<0.10	0.2	<0.004	0.812	NA	0.48	0.2	0.28	NA	0.28	NA	<0.5	<1.1
S-6A	30-Sep-09	11:05:00 AM	<0.010	17.4	46	0.032	0.363	NA	<0.20	<0.10	0.21	<0.004	0.462	NA	0.21	0.21	<0.20	NA	<0.20	NA	0.6	3.7
S-6A	21-Oct-09	10:50:00 AM	<0.010	17.3	53	0.1	0.103	NA	<0.20	<0.10	0.3	<0.004	0.552	NA	0.5	0.4	<0.20	NA	<0.20	NA	<0.50	<1.1
S-6A	28-Apr-10	Area under construction																				
S-6A	22-Jun-10	1:20:00 PM	0.01	17.5	42	0.031	0.038	NA	0.56	0.08	0.11	<0.004	0.772	NA	0.67	0.19	0.48	NA	<0.2	NA	0.1	<1.1
S-6A	27-Jul-10	10:10:00 AM	0.015	17.5	62	0.01	0.013	NA	0.35	<0.02	0.03	<0.004	0.392	NA	0.31	0.03	0.28	NA	0.07	NA	<0.50	<1.1
S-6A	26-Aug-10	9:30:00 AM	0.045	15	51	<0.005	0.017	NA	0.77	<0.02	0.09	<0.004	0.872	NA	0.51	0.09	0.42	NA	0.35	NA	<0.50	4.3
S-6A	21-Sep-10	12:10:00 PM	0.014	18.2	30	<0.005	<0.005	NA	0.21	<0.02	0.13	<0.004	0.332	NA	0.34	0.15	0.19	NA	0	NA	0.1	<1.1
S-6A	20-Apr-11	10:45:00 AM	<0.010	17.2	55	<0.005	0.043	NA	0.28	0.06	0.25	<0.004	0.532	NA	0.45	0.31	0.14	NA	0.08	NA	0.1	<1.1
S-6A	24-May-11	9:00:00 AM	<0.010	16.4	59	<0.005	0.032	NA	0.28	0.03	0.22	<0.004	0.452	NA	<0.42	0.25	<0.2	NA	<0.2	NA	<0.50	<1.1
S-6A	13-Jun-11	10:45:00 AM	<0.010	15.8	40	0.018	0.023	NA	0.28	<0.02	0.21	<0.004	0.502	NA	0.42	0.21	0.21	NA	0.07	NA	<0.50	4.3
S-6A	26-Jul-11	12:15:00 PM	0.012	17.6	53	<0.005	0.033	NA	<0.2	<0.02	0.13	<0.004	0.342	NA	<0.33	0.13	<0.2	NA	<0.2	NA	0.4	4.5
S-6A	12-Sep-11	11:30:00 AM	0.009	18.1	48	0.005	0.035	NA	0.21	0.05	0.23	<0.004	0.542	NA	0.44	0.28	0.16	NA	<0.2	NA	<0.50	<1.1
S-6A	27-Mar-12	10:10:00 AM	0.012	18.9	50	0.009	0.02	NA	0.2	0.02	0.32	<0.004	0.542	NA	<0.52	0.34	<0.2	NA	<0.2	NA	<0.2	0.7
S-6A	19-Jun-12	10:00:00 AM	<0.010	19.4	60	0.009	0.047	NA	0.23	0.04	0.22	<0.004	0.357	NA	<0.42	0.26	<0.16	NA	<0.03	NA	0.2	0.6
S-6A	19-Jul-12	10:30:00 AM	0.014	19.2	62	0.047	0.094	NA	0.3	0.12	0.16	<0.004	0.372	NA	<0.36	0.28	<0.08	NA	<0.10	NA	0.3	8.61
S-6A	29-Aug-12	11:45:00 AM	<0.010	18.1	60	0.02	0.077	NA	0.23	0.02	0.15	<0.004	0.382	NA	0.36	0.17	0.19	NA	0.02	NA	<0.2	4.03
S-6A	03-Oct-12	11:45:00 AM	<0.010	18.6	61	0.012	0.038	NA	<0.2	0.04	0.19	<0.004	0.412	NA	<0.39	0.23	<0.16	NA	<0.2	NA	0.2	2.35
S-6A	02-Apr-13	2:30:00 PM	0.014	19.3	46	0.009	0.019	NA	0.34	<0.02	0.24	<0.004	0.592	NA	0.55	0.24	0.31	NA	0.03	NA	<0.2	5.19
S-6A	21-May-13	11:00:00 AM	0.015	20.4	58	0.011	0.035	NA	0.21	0.05	0.22	<0.004	0.547	NA	<0.44	0.27	<0.15	NA	<0.2	NA	<0.2	4.19
S-6A	18-Jun-13	12:00:00 PM	<0.010	19.7	61	0.01	0.032	NA	0.3	0.04	0.18	<0.004	0.482	NA	0.43	0.22	0.21	NA	0.05	NA	0.1	3.64
S-6A	29-Aug-13	12:00:00 PM	<0.010	21.2	54	0.009	0.033	NA	<0.2	0.03	0.22	<0.004	0.437	NA	<0.42	0.25	<0.17	NA	<0.2	NA	0.2	2.76
S-6A	03-Oct-13	12:00:00 PM	<0.010	21	68	0.01	0.019	NA	0.36	0.03	0.29	<0.004	0.652	NA	0.61	0.32	0.29	NA	0.04	NA	0.2	2.79
S-6A	01-Apr-14	11:55:00 AM	0.012	18.3	54	0.009	0.013	NA	0.25	0.024	0.32	<0.004	0.576	NA	0.56	0.34	0.22	NA	0.01	NA	0.2	2.59
S-6A	09-Jun-14	11:30:00 AM	0.012	20.1	436	0.008	0.032	NA	0.28	0.05	0.28	<0.004	0.562	NA	0.54	0.33	0.21	NA	0.02	NA	0.1	4.18
S-6A	05-Aug-14	12:20:00 PM	0.012	20	58	0.01	0.035	NA	0.2	0.04	0.22	<0.004	0.442	NA	<0.24	0.26	0.16	NA	<0.04	NA	<1.0	<0.500
S-6A	25-Sep-14	9:25:00 AM	0.01	20.6	58	0.008	0.049	NA	<0.2	0.03	0.26	<0.004	0.477	NA	0.26	0.29	<0.17	NA	<0.2	NA	<1.0	2.57
S-6A	15-Oct-14	10:05:00 AM	0.011	20.1	58	0.015	0.024	NA	0.2	0.18	0.29	<0.006	0.593	NA	0.49	0.47	0.02	NA	<0.2	NA	<1.0	2.81
S-6A	30-Apr-15	10:35:00 AM	0.018	20.1	55	0.009	0.018	NA	<0.2	0.083	0.3	<0.006	0.546	NA	<0.51	0.38	<0.12	NA	<0.2	NA	<1.0	4.22
S-6A	28-May-15	10:30:00 AM	<0.010	20.6	60	0.016	0.029	NA	0.39	0.06	0.29	<0.006	0.613	NA	0.55	0.35	0.23	NA	0.03	NA	0.2	3.78
S-6A	23-Jun-15	10:45:00 AM	<0.010	20.1	63	0.013	0.025	NA	0.29	0.15	0.28	<0.006	0.573	NA	0.56	0.43	0.13	NA	0.01	NA	0.1	<0.500
S-6A	22-Jul-15	2:30:00 PM	<0.010	20.8	54	0.017	0.025	NA	0.22	0.03	0.2	<0.006	0.543	NA	0.42	0.23	0.21	NA	<0.2	NA	<0.2	2.45
S-6A	02-Sep-15	11:45:00 AM	<0.010	21.5	63	0.009	0.019	NA	<0.2	0.04	0.16	<0.006	0.383	NA	<0.36	0.2	<0.16	NA	<0.2	NA	0.1	<0.500
S-6A	21-Apr-16	11:15:00 AM	0.013	21.1	58	0.006	0.03	NA	0.2	0.05	0.32	<0.006	0.473	NA	0.32	0.37	0	NA	<0.2	NA	0.2	2.13

S-6
Surface Water Sampling
Analytical Data

Stati on ID	Date	Time	Boron (mg/L)	Chloride (mg/L)	TDS (mg/L)	Ortho P (mg/L)	Total P (mg/L)	Re- issued TP	TKN (mg/L)	Ammon- a-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Total Nitroge n (mg/L)	Re- issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re- issued DON	PON (mg/L)	Re- issued PON	POC (mg/L)	Chlorop hyll-a (ug/L)
S-6A	20-Jun-16	10:55:00 AM	0.011	21.2	62	0.007	0.018	NA	0.26	0.02	0.24	<0.006	0.503	NA	0.47	0.26	0.21	NA	0.03	NA	<0.2	2.41
S-6A	18-Jul-16	11:50:00 AM	<0.010	21	58	0.011	0.024	NA	0.25	0.12	0.13	<0.006	0.383	NA	0.37	0.25	0.12	NA	0.01	NA	0.3	2.06
S-6A	25-Aug-16	1:35:00 PM	<0.010	21.6	65	0.007	0.015	NA	<0.2	0.033	0.15	<0.006	0.286	NA	0.15	0.18	<0.2	NA	<0.2	NA	0.3	<2.0
S-6A	22-Sep-16	12:30:00 PM	0.014	22.4	59	0.011	0.013	NA	<0.2	0.055	0.19	<0.006	0.418	NA	0.19	0.24	<0.14	NA	<0.2	NA	<1.0	<2.0
S-6A	04-May-17	12:10:00 PM	<0.010	21	NA	0.01	0.015	NA	0.21	0.051	0.24	<0.006	0.449	NA	0.24	0.29	<0.15	NA	<0.16	NA	0.4	3.23
S-6A	30-May-17	12:30:00 PM	<0.010	21	NA	0.008	0.053	NA	0.39	0.051	0.28	<0.006	0.674	NA	0.6	0.34	0.27	NA	0.07	NA	0.1	<0.5
S-6A	28-Jun-17	12:35:00 PM	<0.010	22	NA	0.007	0.022	NA	0.2	0.043	0.23	<0.006	0.476	NA	<0.44	0.28	<0.2	NA	<0.2	NA	0.1	<0.5
S-6A	10-Aug-17	12:50:00 PM	<0.010	22	61	0.009	0.032	NA	0.45	0.043	0.1	<0.006	0.336	NA	<0.30	0.14	<0.16	NA	<0.21	NA	0.1	4.23
S-6A	04-Oct-17	1:15:00 PM	<0.010	22	67	0.005	0.028	NA	0.24	0.028	0.19	<0.006	0.531	NA	0.43	0.22	0.21	NA	<0.2	NA	0.3	23.9
S-6A	30-Apr-18	11:20:00 AM	<0.010	22	52	0.009	0.016	NA	0.25	0.043	0.27	<0.006	0.626	NA	0.52	0.31	0.21	NA	<0.2	NA	0.31	2.75
S-6A	21-Jun-18	12:20:00 PM	<0.010	22	66	0.023	0.024	NA	0.24	0.03	0.18	<0.006	0.423	NA	<0.38	0.21	0.17	NA	0.04	NA	0.37	<2.0
S-6A	19-Jul-18	11:25:00 AM	<0.010	23	80	0.009	0.012	NA	<0.2	0.02	0.1	<0.006	0.313	NA	<0.30	0.12	<0.18	NA	<0.2	NA	0.18	25
S-6A	23-Aug-18	12:20:00 PM	<0.010	20	59	<0.005	<0.005	NA	0.28	0.028	0.1	<0.006	0.256	NA	<0.30	0.13	<0.17	NA	<0.08	NA	0.6	<2.0
S-6A	01-Oct-18	12:05:00 PM	<0.010	21	150	0.009	0.015	NA	<0.2	0.05	0.16	<0.006	0.388	NA	<0.36	0.21	<0.15	NA	<0.2	NA	0.38	<2.0
S-6A	29-Apr-19	12:15:00 PM	0.01	22	66	0.012	0.015	NA	0.25	0.07	0.36	<0.006	0.613	NA	0.59	0.43	0.16	NA	0.02	NA	0.4	3.59
S-6A	27-Jun-19	11:35:00 AM	<0.010	21	79	0.01	0.02	NA	0.5	<0.02	0.17	<0.006	0.523	NA	0.43	<0.19	<0.20	NA	0.24	NA	0.42	2.3
S-6A	14-Aug-19	11:05:00 AM	0.011	23	68	0.08	0.034	NA	0.35	0.05	0.14	<0.006	0.493	NA	0.47	0.19	0.28	NA	0.02	NA	0.32	2.01
S-6A	28-Aug-19	11:30:00 AM	0.016	23	66	<0.005	0.02	NA	0.35	0.03	0.16	<0.006	0.513	NA	0.43	0.19	0.24	NA	0.08	NA	0.2	<0.5
S-6A	18-Sep-19	11:50:00 AM	<0.010	23	62	<0.005	0.022	NA	0.23	0.047	0.23	<0.006	0.37	NA	<0.43	0.28	<0.15	NA	<0.03	NA	0.2	<0.5
S-6A	02-Jun-20	12:25:00 PM	0.014	22	60	0.014	0.028	NA	0.3	<0.02	0.2	<0.006	0.413	NA	<0.40	<0.22	<0.20	NA	<0.30	NA	0.7	3.65
S-6A	24-Jun-20	11:50:00 AM	0.015	22	65	0.009	0.015	NA	0.31	0.04	0.16	<0.006	0.473	NA	0.37	0.2	0.16	NA	0.11	NA	0.8	NS
S-6A	05-Aug-20	11:45:00 AM	0.012	21	64	0.01	0.036	NA	<0.20	<0.02	0.18	<0.006	0.393	NA	0.38	<0.20	<0.20	NA	<0.20	NA	<0.5	NS
S-6A	09-Sep-20	12:00:00 PM	0.065	21	61	0.009	0.046	NA	0.28	<0.02	0.21	<0.006	0.483	NA	0.44	0.23	0.21	NA	0.05	NA	<0.5	NS
S-6A	20-May-21	12:00:00 PM	<0.010	20	53	0.006	0.027	NA	2.1	0.94	0.3	<0.006	1.443	NA	<0.50	1.24	<0.2	NA	<0.2	NA	0.758	2.1
S-6A	22-Jul-21	12:35:00 PM	0.006	20	34	0.175	0.181	NA	0.47	<0.02	0.16	<0.006	0.643	NA	0.41	0.16	0.25	NA	0.22	NA	1.2	3.72
S-6A	30-Aug-21	11:50:00 AM	<0.010	19	56	0.06	0.06	NA	<0.2	<0.02	0.15	<0.006	0.513	NA	<0.35	0.15	<0.20	NA	0.25	NA	0.85	2.76
S-6A	29-Sep-21	12:10:00 PM	0.016	19	56	<0.005	0.023	NA	0.42	0.15	0.27	<0.006	0.558	NA	<0.47	0.42	<0.05	NA	<0.22	NA	0.48	2.12
S-6A	27-Apr-22	12:10:00 PM	<0.010	19.1	48	0.005	0.029	NA	<0.2	0.03	0.35	<0.006	0.568	NA	0.35	0.38	<0.17	NA	<0.20	NA	0.15	7.31
S-6A	01-Jun-22	11:00:00 AM	<0.010	19.9	74	0.007	0.037	NA	0.21	0.08	0.27	<0.006	0.518	NA	0.27	0.35	<0.12	NA	<0.21	NA	<0.5	NS
S-6A	13-Jul-22	11:45:00 AM	<0.010	5.32	58	<0.005	0.019	NA	<0.2	0.04	<0.01	<0.006	0.228	NA	<0.21	0.04	<0.16	NA	<0.20	NA	0.8	3.42
S-6A	17-Oct-22	12:10:00 PM	<0.010	12	46	<0.005	0.022	NA	<0.20	<0.20	0.09	<0.006	0.393	NA	<0.29	0.09	<0.20	NA	<0.20	NA	0.22	2.29
S-6A	29-Mar-23	9:40:00 AM	0.015	19	48	0.012	0.014	NA	0.21	<0.020	0.58	<0.006	0.894	NA	0.79	0.58	0.21	NA	<0.20	NA	0.03	NS
S-6A	25-Apr-23	9:15:00 AM	<0.010	20	54	<0.005	0.017	NA	0.35	0.11	0.29	<0.006	0.733	NA	0.64	0.4	0.24	NA	<0.2	NA	0.36	3.88
S-6A	09-May-23	9:55:00 AM	<0.010	19	40	0.007	0.021	NA	0.28	<0.02	0.21	<0.006	0.423	NA	0.21	0.21	<0.2	NA	<0.2	NA	0.22	<.5
S-6A	11-Jul-23	9:10:00 AM	0.01	21	54	0.012	0.07	NA	0.35	<0.02	<0.01	<0.006	0.368	NA	0.21	<0.03	0.21	NA	0.14	NA	NT	0.24
S-6A	08-Aug-23	9:15:00 AM	<0.010	21	50	<0.005	0.027	NA	0.42	<0.2	<0.01	<0.006	0.348	NA	0.28	<0.02	<0.02	NA	0.14	NA	0.7	7.19

S-6

Surface Water Sampling

Analytical Data

Stati on ID	Date	Time	Boron (mg/L)	Chloride (mg/L)	TDS (mg/L)	Ortho P (mg/L)	Total P (mg/L)	Re- issued TP	TKN (mg/L)	Ammoni a-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Total Nitroge n (mg/L)	Re- issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re- issued DON	PON (mg/L)	Re- issued PON	POC (mg/L)	Chlorop hyll-a (ug/L)
S-6B	06-Mar-06	2:20:00 PM	<0.10	14	68	<0.10	<0.5	NA	---	<0.20	0.42	<0.05	1.04	NA	0.5	0.5	<0.5	NA	<0.50	NA	<0.50	1.4
S-6B	13-Jul-06	12:30:00 PM	<0.01	14	10	0.025	0.034	NA	<0.26	<0.010	0.3	<0.0010	0.7655	NA	0.63	0.3	0.33	NA	<0.26	NA	---	5.5
S-6B	20-Sep-06	10:10:00 AM	0.0388	14.2	54	0.0313	<0.132	<0.0400	---	0.23	0.135	<0.0220	1.041	1.043	0.98	0.25	0.6	0.602	<0.13	<0.130	<1.0	---
S-6B	07-Aug-06	11:45:00 AM	<0.01	14	46	0.014	0.049	NA	<0.26	0.095	0.24	<0.0037	0.5968	NA	<0.26	0.3	<0.26	NA	<0.26	NA	<0.50	0.7
S-6B	06-Aug-07	12:40:00 PM	<0.0300	17.2	56	<0.0257	<0.132	<0.0400	---	<0.130	0.32	<0.0220	1.081	1.219	0.92	0.543	0.49	0.492	<0.39	0.331	<1.0	---

S-9
Surface Water Sampling
Analytical Data

Stati on ID	Date	Time	Boron (mg/L)	Chloride (mg/L)	TDS (mg/L)	Ortho P (mg/L)	Total P (mg/L)	Re- issued TP	TKN (mg/L)	Ammoni a-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Total Nitroge n (mg/L)	Re- issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re- issued DON	PON (mg/L)	Re- issued PON	POC (mg/L)	Chlorop hyll-a (ug/L)
S-9A	28-May-98	---	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	---	---	AD	AD	AD	---	AD	AD	---	AD
S-9A	29-Jun-98	---	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	---	---	AD	AD	AD	---	AD	AD	---	AD
S-9A	04-Aug-98	---	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	---	---	AD	AD	AD	---	AD	AD	---	AD
S-9A	25-Aug-98	---	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	---	---	AD	AD	AD	---	AD	AD	---	AD
S-9A	18-Sep-98	---	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	---	---	AD	AD	AD	---	AD	AD	---	AD
S-9A	20-Nov-98	---	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	---	---	AD	AD	AD	---	AD	AD	---	AD
S-9A	24-Feb-99	---	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	---	---	AD	AD	AD	---	AD	AD	---	AD
S-9A	03-Jun-99	---	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	---	---	AD	AD	AD	---	AD	AD	---	AD
S-9A	22-Jun-98	---	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	---	---	AD	AD	AD	---	AD	AD	---	AD
S-9A	19-Jul-99	---	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	---	---	AD	AD	AD	---	AD	AD	---	AD
S-9A	18-Aug-99	---	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	---	---	AD	AD	AD	---	AD	AD	---	AD
S-9A	28-Sep-99	---	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	---	---	AD	AD	AD	---	AD	AD	---	AD
S-9A	17-Nov-99	---	<0.02	15	74	0.014	0.007	---	NA	0.009	0.283	NA	NA	---	0.41	0.292	0.118	---	0.11	69.8	---	2
S-9A	22-Feb-00	---	<0.02	16	82	NA	NA	---	NA	NA	NA	NA	NA	---	NA	NA	NA	---	NA	NA	---	0.8
S-9A	28-Feb-01	---	<0.02	14	84	0.001	0.005	---	NA	0.021	0.381	NA	NA	---	0.407	0.403	0.004	---	0.023	0.258	---	13
S-9A	26-Jul-01	---	<0.02	14	92	0.001	0.012	---	NA	0.021	0.191	NA	NA	---	0.794	0.212	0.583	---	0.104	1.238	---	<0.4
S-9A	06-Aug-02	---	<0.02	16	86	0.01	0.02	---	NA	0.03	---	---	0.48	---	0.45	0.29	0.15	---	0.03	0.32	---	<0.4
S-9A	01-Oct-02	---	<0.02	16	86	0.02	0.02	---	---	0.04	---	---	0.49	---	0.49	0.3	0.19	---	---	0.42	---	<0.4
S-9A	14-Nov-02	---	---	---	---	0.009	0.018	---	---	0.048	---	---	1.126	---	1.029	0.337	0.692	---	0.097	1.609	---	---
S-9A	26-Mar-03	---	<0.02	16	72	0.057	0.076	---	---	0.011	---	---	0.596	---	0.55	0.335	0.214	---	0.046	0.462	---	<0.4
S-9A	03-Jun-03	---	<0.02	15	50	0.006	0.043	---	---	0.041	---	---	1.103	---	1.001	0.41	0.591	---	0.102	1.188	---	<0.4
S-9A	24-Jun-03	---	<0.02	15	64	0.007	0.013	---	---	0.054	---	---	1.068	---	0.978	0.423	0.555	---	0.09	1.255	---	<0.4
S-9A	17-Jul-03	---	<0.02	15	78	0.007	0.014	---	---	0.032	---	---	0.983	---	0.912	0.376	0.536	---	0.07	0.895	---	1.9
S-9A	27-Aug-03	---	<0.02	15	80	0.02	0.037	---	---	0.025	---	---	0.933	---	0.878	0.317	0.561	---	0.055	0.535	---	---
S-9A	18-Sep-03	---	<0.02	16	62	0.019	0.024	---	---	0.043	---	---	0.793	---	0.705	0.329	0.375	---	0.089	1.55	---	1.1
S-9A	11-Nov-03	---	<0.02	15	78	0.007	0.016	---	---	0.056	---	---	1.044	---	1.044	0.416	0.628	---	---	---	---	<0.4
S-9A	23-Jun-04	---	<0.02	---	60	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.4
S-9A	26-Jul-04	---	<0.02	---	64	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.4
S-9A	06-Mar-06	1:55:00 PM	<0.10	30	92	<0.10	<0.5	---	---	<0.20	0.42	<0.05	<0.50	---	0.5	0.5	<0.5	---	<0.50	0.5	---	0.3
S-9A	13-Jul-06	11:30:00 AM	<0.01	35	84	0.025	0.059	---	1.4	0.032	0.44	<0.0010	1.8458	---	0.99	0.46	0.53	---	0.84	---	---	0.5
S-9A	07-Aug-06	10:55:00 AM	<0.01	37	130	<0.010	0.04	---	<0.26	0.089	0.41	<0.0037	0.9858	---	0.87	0.48	0.42	---	<0.26	1.9	---	0.5
S-9A	19-Sep-06	2:30:00 PM	<0.03	39.3	119	<0.0257	<0.132	<0.0400	---	0.193	0.247	<0.0220	1.456	1.453	1.4	0.45	0.94	0.937	<0.13	<1.0	<0.130	---
S-9A	30-Oct-06	10:30:00 AM	<0.0300	<1.50	82	0.0125	<0.132	0.0786	---	0.249	0.34	<0.0100	1.379	1.382	1.3	0.604	0.72	0.723	<0.13	<1.0	<0.130	NM
S-9A	10-Apr-07	10:50:00 AM	<0.0300	38.6	82	<0.0257	<0.132	0.0893	---	0.244	0.471	<0.0220	1.431	1.305	1.2	0.575	0.51	0.514	<0.39	<1.0	<0.130	---

S-9
Surface Water Sampling
Analytical Data

Stati on ID	Date	Time	Boron (mg/L)	Chloride (mg/L)	TDS (mg/L)	Ortho P (mg/L)	Total P (mg/L)	Re- issued TP	TKN (mg/L)	Ammoni a-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Total Nitroge n (mg/L)	Re- issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re- issued DON	PON (mg/L)	Re- issued PON	POC (mg/L)	Chlorop hyll-a (ug/L)
S-9A	09-Jul-07	11:50:00 AM	<0.0300	36.5	99	<0.0257	<0.132	0.0565	---	0.155	0.419	<0.0220	1.24	1.107	1	0.534	0.46	0.457	<0.39	<1.0	<0.130	---
S-9A	06-Aug-07	11:00:00 AM	<0.0300	43.5	92	<0.0257	<0.132	<0.0400	---	<0.130	0.453	<0.0220	1.244	1.11	1.1	0.732	0.52	0.516	<0.39	1.9	<0.130	---
S-9A	12-Sep-07	9:45:00 AM	<0.0300	<1.50	60	0.0346	<0.132	0.0407	---	0.247	0.356	<0.0220	1.004	0.933	0.86	0.45	<0.39	0.254	<0.39	<1.0	<0.130	3.8
S-9A	04-Oct-07	11:05:00 AM	<0.0300	43.6	108	<0.0257	<0.132	0.0431	---	0.154	0.443	<0.0220	0.998	0.939	0.87	0.504	<0.39	0.266	<0.39	<1.0	<0.130	0
S-9A	10-Apr-08	10:30:00 AM	<0.0300	45.6	143	<0.0257	<0.132	<0.0400	---	<0.130	0.508	<0.0220	0.974	0.714	0.73	0.592	<0.39	<0.130	<0.39	<1.0	<0.130	<0.500
S-9A	29-Jul-08	12:00:00 PM	0.03	32.4	170	<0.0257	0.857	0.857	---	0.164	0.37	<0.0220	0.935	0.84	0.77	0.55	<0.39	0.23	<0.39	<1.0	<0.130	1.2
S-9A	28-Aug-08	11:05:00 AM	<0.0300	43.4	107	<0.020	<0.132	<0.0400	---	<0.130	0.437	<0.0220	0.903	0.763	1.1	0.906	<0.39	0.185	<0.39	1.2	<0.130	<0.500
S-9A	17-Sep-08	10:10:00 AM	0.045	42.6	106	<0.020	0.02	0.02	---	0.143	0.406	<0.0220	0.95	0.875	0.4	0.144	<0.39	0.25	<0.39	<1.0	<0.130	1.8
S-9A	21-Oct-08	---	0.076	42.5	100	0.026	<0.132	<0.0400	---	<0.130	0.31	<0.0070	0.7685	0.7685	0.72	1.4	<0.39	0.325	<0.39	<1.0	<0.130	<0.500
S-9A	13-Apr-09	12:45:00 PM	<0.0300	48.5	74	<0.0257	---	<0.0400	---	0.144	0.53	<0.0220	---	1.216	1.1	0.767	---	0.466	---	<1.0	<0.130	1.95
S-9A	31-Jul-09	9:10:00 AM	<0.010	49.9	69	0.032	0.057	NA	0.7	<0.10	0.45	<0.004	1.202	NA	0.8	0.45	0.35	NA	0.35	<0.5	NA	2.7
S-9A	27-Aug-09	10:00:00 AM	<0.010	48.5	108	0.024	0.101	NA	0.63	<0.10	0.43	<0.004	1.182	NA	1.06	0.43	0.63	NA	0.07	<0.5	NA	<1.1

Acess denied by property owner from this point forward

S-7 & S-10 @ ebb tide

Harbor Water Sampling

Analytical Data

ebb tide samples collected within 1hr of ebb tide per DEP Permit

Station ID	Date	Time	Ortho P (mg/L)	Total P (mg/L)	Re- issued TP	TKN (mg/L)	Ammoni- a-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Nitrate / Nitrite (mg/L)	Total Nitroge- n (mg/L)	Re- issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re- issued DON	PON (mg/L)	Re- issued PON	POC (mg/L)	Chlorop hyll-a (ug/L)	E- Coli /10 0
S-7 @ ebb tide	03-Aug-98	3:42:00 PM	0.014	0.024	---	NM	0.015	0	NM	NA	0.3	---	0.199	0.015	0.184	---	0.101	---	58.8	NA	NA
S-7 @ ebb tide	31-Aug-98	12:50:00 PM	0.023	NM	---	NM	0.047	0.011	NM	NA	0.364	---	0.281	0.058	0.222	---	0.084	---	46.1	NA	NA
S-7 @ ebb tide	17-Sep-98	3:40:00 PM	0.026	0.029	---	NM	0.019	0	NM	NA	0.313	---	0.201	0.019	0.182	---	0.112	---	55.3	NA	NA
S-7 @ ebb tide	19-Jul-99	---	0.026	0.03	---	NM	0.032	0.009	NM	NA	0.615	---	0.414	0.041	0.372	---	0.202	---	99.6	NA	NA
S-7 @ ebb tide	17-Aug-99	10:38:00 AM	0.014	NM	---	NM	0.027	0.011	NM	NA	0.51	---	0.391	0.038	0.352	---	0.12	---	45.8	NA	NA
S-7 @ ebb tide	22-Sep-99	4:15:00 PM	0.019	NM	---	NM	0.049	0.027	NM	NA	0.391	---	0.233	0.076	0.157	---	0.158	---	71.7	NA	NA
S-7 @ ebb tide	13-Sep-01	2:50:00 PM	0.001	NM	---	NM	0.001	0	NM	NA	0.005	---	0.003	0.001	0.002	---	0.002	---	0.01	NA	NA
S-7 @ ebb tide	19-Aug-02	3:20:00 PM	0.002	0.07	---	NM	0.06	0.002	NM	NA	0.532	---	0.42	0.07	0.35	---	0.12	---	0.71	NA	NA
S-7 @ ebb tide	01-Oct-02	2:30:00 PM	0.02	0.03	---	NM	0.07	0.017	NM	NA	0.467	---	0.37	0.08	0.29	---	0.09	---	0.69	NA	NA
S-7 @ ebb tide	02-Jul-03	2:50:00 PM	0.02	0.05	---	NM	0.03	0.038	NM	NA	0.668	---	0.49	0.07	0.43	---	0.17	---	0.85	NA	NA
S-7 @ ebb tide	24-Jul-03	3:00:00 PM	0.01	0.02	---	NM	0.02	0.015	NM	NA	0.785	---	0.56	0.04	0.52	---	0.23	---	1.07	NA	NA
S-7 @ ebb tide	15-Aug-03	9:00:00 AM	0.02	0.05	---	NM	0.06	0.036	NM	NA	0.596	---	0.46	0.09	0.37	---	0.13	---	0.71	NA	NA
S-7 @ ebb tide	30-Sep-03	10:05:00 AM	0.02	0.05	---	NM	0.06	0.036	NM	NA	0.596	---	0.46	0.09	0.37	---	0.13	---	0.71	NA	NA
S-7 @ ebb tide	22-Jun-06	10:45:00 AM	0.087	0.026	---	<0.26	<0.011	0.054	0.003	NA	0.1925	---	<0.26	0.054	<0.26	---	<0.26	---	NM	NA	NA
S-7 @ ebb tide	31-Aug-06	11:35:00 AM	0.08	0.043	---	0.55	0.066	<0.0050	<0.0010	NA	0.619	---	0.44	<0.26	0.41	---	<0.26	---	<0.50	NA	NA
S-7 @ ebb tide	12-Jul-07	11:05:00 AM	<0.0257	<0.132	0.0624	<0.394	<0.130	<0.0257	<0.0220	NA	0.47855	0.39185	<0.39	0.321	<0.39	0.238	<0.39	<0.130	<1.0	NA	NA
S-7 @ ebb tide	12-Sep-07	12:30:00 PM	<0.0257	<0.132	0.0591	---	<0.130	<0.0257	<0.0220	NA	0.47885	<0.21885	<0.39	0.157	<0.39	<0.130	<0.39	<0.130	<1.0	NA	NA
S-7 @ ebb tide	29-Jul-08	9:20:00 AM	<0.0257	1.58	1.58	<0.105	0.153	<0.0270	0.0222	NA	0.5787	0.3187	<0.39	0.175	<0.39	<0.130	<0.39	<0.130	<1.0	NA	NA
S-7 @ ebb tide	25-Sep-08	9:15:00 AM	<0.020	<0.132	<0.0400	0.205	<0.130	<0.0300	<0.0300	NA	<0.50	0.424	<0.39	0.164	<0.39	0.264	<0.39	<0.130	<1.0	NA	NA
S-7 @ ebb tide	23-Jul-09	12:50:00 PM	0.016	0.025	---	0.35	<0.10	<0.01	<0.004	NA	0.407	---	0.21	<0.10	0.21	---	0.14	---	1.7	NA	NA
S-7 @ ebb tide	30-Sep-09	9:10:00 AM	0.029	0.032	---	<0.20	<0.10	<0.01	<0.01	NA	<0.26	---	<0.20	<0.10	<0.20	---	<0.20	---	0.8	NA	NA
S-7 @ ebb tide	22-Jun-10	9:00:00 AM	0.038	0.089	NA	0.77	<0.02	<0.01	<0.004	NA	0.887	NA	0.77	<0.20	0.77	NA	<0.20	NA	1.2	NA	NA
S-7 @ ebb tide	26-Aug-10	1:10:00 PM	0.017	0.07	NA	0.49	0.06	<0.01	<0.004	NA	0.497	NA	0.42	0.06	0.36	NA	0.07	NA	1.2	NA	NA
S-7 @ ebb tide	16-May-11	11:00:00 AM	<0.005	0.027	NA	0.21	0.14	<0.01	<0.01	NA	0.315	NA	0.22	0.15	0.07	NA	<0.2	NA	0.1	NA	NA
S-7 @ ebb tide	13-Jun-11	9:45:00 AM	0.015	0.045	NA	0.28	<0.02	<0.01	<0.01	NA	0.295	NA	0.21	<0.2	0.21	NA	0.07	NA	3	NA	NA
S-7 @ ebb tide	19-Jun-12	12:15:00 PM	0.009	0.043	NA	0.53	0.02	NA	NA	<0.01	0.535	NA	<0.35	<0.03	0.32	NA	0.19	NA	<0.2	NA	NA
S-7 @ ebb tide	29-Aug-12	10:20:00 AM	0.007	0.013	NA	<0.2	<0.10	NA	NA	<0.01	0.205	NA	<0.21	<0.11	<0.10	NA	<0.2	NA	<0.2	NA	NA
S-7 @ ebb tide	18-Jun-13	10:25:00 AM	0.022	0.056	NA	0.85	0.1	NA	NA	<0.01	0.855	NA	0.32	0.1	0.22	NA	0.53	NA	0.06	NA	35
S-7 @ ebb tide	20-Aug-13	11:25:00 AM	0.01	0.06	NA	0.44	0.04	NA	NA	<0.01	0.445	NA	0.43	<0.04	0.39	NA	0.01	NA	<0.51	NA	95
S-7 @ ebb tide	09-Jun-14	9:15:00 AM	0.013	0.061	NA	0.27	0.05	<0.01	<0.004	NA	0.242	NA	<0.2	0.05	<0.15	NA	<0.22	NA	<1.0	NA	<5
S-7 @ ebb tide	08-Sep-14	11:25:00 AM	0.017	0.068	NA	<0.20	<0.02	NA	NA	0.14	0.3	NA	<0.34	0.14	<0.10	NA	<0.2	NA	0.04	NA	NA
S-7 @ ebb tide	28-May-15	8:30:00 AM	0.016	0.044	NA	<0.2	0.05	NA	NA	0.05	0.275	NA	<0.25	0.1	<0.15	NA	<0.2	NA	0.01	NA	<5
S-7 @ ebb tide	13-Aug-15	11:25:00 AM	0.019	0.045	NA	0.33	0.13	NA	NA	0.04	0.37	NA	0.36	0.17	0.19	NA	0.01	NA	0.2	6.75	7
S-7 @ ebb tide	09-Sep-15	9:55:00 AM	0.01	0.026	NA	0.55	0.07	NA	NA	0.04	0.59	NA	0.59	0.11	0.39	NA	0.09	NA	<0.2	5.05	100
S-7 @ ebb tide	16-Jun-16	9:40:00 AM	0.018	0.036	NA	0.35	0.04	NA	NA	0.11	0.54	NA	0.42	0.15	0.35	NA	0.04	NA	0.14	3.07	100
S-7 @ ebb tide	12-Aug-16	7:35:00 AM	0.038	0.038	NA	0.43	0.099	0.02	<0.006	NA	0.452	NA	0.44	0.12	0.32	NA	0.01	NA	0.11	2.08	<5
S-7 @ ebb tide	07-Jun-17	11:15:00 AM	0.007	0.07	NA	0.52	0.13	0.08	<0.005	NA	0.6025	NA	0.54	0.21	0.33	NA	0.06	NA	0.21	3.22	5
S-7 @ ebb tide	07-Aug-17	12:35:00 PM	0.032	0.039	NA	0.54	0.12	0.06	<0.005	NA	0.6025	NA	0.53	0.18	0.35	NA	0.07	NA	0.03	3.38	5
S-7 @ ebb tide	11-Jul-18	10:50:00 AM	0.013	0.016	NA	0.36	0.056	NA	NA	0.06	0.416	NA	0.29	0.12	0.17	NA	0.13	NA	0.62	3.63	160
S-7 @ ebb tide	08-Aug-18	9:35:00 AM	0.027	0.037	NA	0.23	0.07	NA	NA	<0.01	0.235	NA	0.21	0.07	0.14	NA	0.02	NA	0.9	<2.0	75
S-7 @ ebb tide	11-Jul-19	7:40:00 AM	0.012	0.012	NA	0.36	3.08	NA	NA	0.07	0.434	NA	0.4	0.12	0.28	NA	0.03	NA	<0.2	<5.0	NA
S-7 @ ebb tide	12-Aug-19	10:25:00 AM	0.014	0.03	NA	0.6	<0.02	NA	NA	0.03	0.62	NA	0.51	<0.05	0.46	NA	0.12	NA	0.33	6.77	NA
S-7 @ ebb tide	11-Sep-19	10:45:00 AM	<0.005	0.042	NA	0.4	0.056	NA	NA	0.02	0.536	NA	0.44	0.1	0.34	NA	<0.2	NA	<0.2	13.4	NA
S-7 @ ebb tide	01-Jul-20	9:20:00 AM	0.035	0.039	NA	0.83	0.29	NA	NA	0.12	1.07	NA	0.61	0.41	0.2	NA	0.46	NA	0.66	24.8	80
S-7 @ ebb tide	31-Aug-20	11:25:00 AM	0.028	0.04	NA	0.4	<0.02	NA	NA	<0.01	0.225	NA	0.38	<0.03	<0.38	NA	0.02	NA	0.07	NS	20
S-7 @ ebb tide	03-Jun-20	10:20:00 AM	0.014	0.035	NA	0.34	<0.02	NA	NA	0.04	0.22	NA	0.28	<0.06	<0.24	NA	<0.10	NA	<0.5	3.55	70
S-7 @ ebb tide	07-Jun-21	10:45:00 AM	0.027	0.032	NA	0.29	<0.02	0.01	0.01	NA	0.18	NA	0.29	<0.04	<0.27	NA	0.02	NA	<0.5	<1.0	<5
S-7 @ ebb tide	01-Sep-21	8:35:00 AM	0.047	0.062	NA	0.56	0.2	<0.02	<0.01	NA	0.575	NA	0.32	<0.21	0.12	NA	0.24	NA	0.1	16.1	5
S-7 @ Ebb tide	11-Jul-22	10:00:00 AM	0.025	0.037	NA	0.28	0.1	<0.02	<0.010	NA	0.295	NA	0.21	0.1	0.11	NA	0.07	NA	<0.56	<5	<5
S-7 @ Ebb Tide	08-Sep-22	10:20:00 AM	0.029	0.048	NA	0.28	0.06	0.02	<0.006	NA	0.293	NA	<0.22	0.08	<0.14	NA	<0.28	NA	0.54	4.78	5
S-7 @ ebb tide	27-Jul-23	7:20:00 AM	<0.005	0.051	NA	1.2	0.046	<0.02	<0.010	NA	1.261	NA	1.1	0.05	1.1	NA	0.1	NA	<0.2	<1	<5
S-7 @ ebb tide	29-Aug-23	9:30:00 AM	0.01	0.053	NA	0.42	0.024	<0.02	<0.010	NA	0.439	NA	0.28	0.02	0.26	NA	0.14	NA	<0.53	11.2	85

Analytical Data

ebb tide samples collected within 1hr of ebb tide per DEP Permit

[illegible]

S-7 & S-10 @ ebb tide

Harbor Water Sampling

Analytical Data

ebb tide samples collected within 1hr of ebb tide per DEP Permit

Station ID	Date	Time	Ortho P (mg/L)	Total P (mg/L)	Re- issued TP	TKN (mg/L)	Ammoni a-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Nitrate / Nitrite (mg/L)	Total Nitroge n (mg/L)	Re- issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re- issued DON	PON (mg/L)	Re- issued PON	POC (mg/L)	Chlorop hyll-a (ug/L)	E- Coli/10 0
S-10 @ ebb tide	03-Aug-98	3:00:00 PM	0.014	0.044	---	NM	0.01	0	NM	NA	0.315	---	0.201	0.01	0.191	---	0.114	---	58.2	NA	NA
S-10 @ ebb tide	31-Aug-98	11:50:00 AM	0.02	NM	---	NM	0.065	0.012	NM	NA	0.669	---	0.578	0.077	0.501	---	0.091	---	52.1	NA	NA
S-10 @ ebb tide	17-Sep-98	2:40:00 PM	0.033	0.033	---	NM	0.014	0	NM	NA	0.297	---	0.211	0.014	0.197	---	0.086	---	42.4	NA	NA
S-10 @ ebb tide	21-Jun-99	12:00:00 PM	0.016	NM	---	NM	0.02	0.002	NM	NA	0.318	---	0.19	0.022	0.168	---	0.128	---	77.8	NA	NA
S-10 @ ebb tide	19-Jul-99	10:30:00 AM	0.024	0.029	---	NM	0.042	0.011	NM	NA	0.696	---	0.483	0.053	0.43	---	0.213	---	93.8	NA	NA
S-10 @ ebb tide	17-Aug-99	9:45:00 AM	0.017	NM	---	NM	0.019	0.006	NM	NA	0.334	---	0.196	0.025	0.171	---	0.138	---	56.8	NA	NA
S-10 @ ebb tide	22-Sep-99	2:40:00 PM	0.016	NM	---	NM	0.038	0.004	NM	NA	0.354	---	0.231	0.042	0.189	---	0.123	---	52.2	NA	NA
S-10 @ ebb tide	13-Sep-01	1:50:00 PM	0.002	NM	---	NM	0.001	0	NM	NA	0.005	---	0.003	0.001	0.002	---	0.002	---	0.01	NA	NA
S-10 @ ebb tide	19-Aug-02	2:38:00 PM	0.01	0.07	---	NM	0.01	0.005	NM	NA	0.435	---	0.032	0.02	0.3	---	0.12	---	0.76	NA	NA
S-10 @ ebb tide	01-Oct-02	1:30:00 PM	0.02	0.02	---	NM	0.08	0.012	NM	NA	0.492	---	0.39	0.1	0.29	---	0.11	---	0.71	NA	NA
S-10 @ ebb tide	02-Jul-03	1:30:00 PM	0.02	0.04	---	NM	0.01	0.016	NM	NA	0.466	---	0.35	0.03	0.32	---	0.12	---	0.65	NA	NA
S-10 @ ebb tide	24-Jul-03	2:00:00 PM	0.01	0.02	---	NM	0.04	0.006	NM	NA	0.736	---	0.52	0.05	0.47	---	0.22	---	1.21	NA	NA
S-10 @ ebb tide	15-Aug-03	8:00:00 AM	0.02	0.03	---	NM	0.05	0.032	NM	NA	0.602	---	0.46	0.08	0.38	---	0.14	---	0.83	NA	NA
S-10 @ ebb tide	30-Sep-03	9:30:00 AM	0.02	0.03	---	NM	0.05	0.032	NM	NA	0.602	---	0.46	0.08	0.38	---	0.14	---	0.83	NA	NA
S-10 @ ebb tide	22-Jun-06	10:25:00 AM	0.083	0.035	---	<0.26	<0.011	0.047	0.003	NA	0.1855	---	<0.26	0.055	<0.26	---	<0.26	---	NM	NA	NA
S-10 @ ebb tide	31-Aug-06	11:20:00 AM	0.08	0.04	---	0.41	0.043	<0.0050	<0.0010	NA	0.456	---	0.49	<0.26	0.34	---	<0.26	---	0.6	NA	NA
S-10 @ ebb tide	12-Jul-07	10:50:00 AM	<0.0257	<0.132	0.051	<0.394	<0.130	<0.0257	<0.0220	NA	0.47855	0.33585	<0.39	0.245	<0.39	0.182	<0.39	<0.130	<1.0	NA	NA
S-10 @ ebb tide	12-Sep-07	12:45:00 PM	<0.0257	<0.132	0.0561	---	0.133	<0.0257	0.0263	NA	0.56215	0.30215	<0.39	<0.130	<0.39	<0.130	<0.39	<0.130	<1.0	NA	NA
S-10 @ ebb tide	29-Jul-08	9:00:00 AM	<0.0257	<0.132	<0.0400	0.156	<0.130	<0.0270	0.0236	NA	0.4921	0.3981	<0.39	0.35	<0.39	0.231	<0.39	<0.130	<1.0	NA	NA
S-10 @ ebb tide	25-Sep-08	8:45:00 AM	<0.020	<0.132	<0.0400	<0.105	<0.130	<0.0300	<0.0300	NA	<0.50	<0.225	<0.39	<0.130	<0.39	<0.130	<0.39	<0.130	<1.0	NA	NA
S-10 @ ebb tide	23-Jul-09	1:05:00 PM	0.012	0.023	NA	0.49	<0.10	<0.05	<0.020	NA	0.575	NA	0.28	<0.10	0.28	NA	0.21	NA	<0.50	NA	NA
S-10 @ ebb tide	30-Sep-09	9:20:00 AM	0.031	0.16	NA	<0.20	<0.10	<0.01	<0.01	NA	0.37	NA	<0.20	<0.20	<0.20	NA	0.21	NA	1.8	NA	NA
S-10 @ ebb tide	22-Jun-10	9:15:00 AM	0.017	0.08	NA	1.26	0.06	<0.01	<0.004	NA	1.267	NA	0.7	0.06	0.64	NA	0.56	NA	0.1	NA	NA
S-10 @ ebb tide	26-Aug-10	1:00:00 PM	0.015	0.057	NA	0.56	0.06	<0.01	<0.004	NA	0.567	NA	0.49	0.06	0.43	NA	0.07	NA	0.7	NA	NA
S-10 @ ebb tide	16-May-11	10:45:00 AM	<0.005	0.022	NA	0.28	0.05	<0.01	<0.01	NA	0.285	NA	0.21	0.06	0.15	NA	0.08	NA	4.6	NA	NA
S-10 @ ebb tide	13-Jun-11	9:30:00 AM	0.012	0.037	NA	0.21	<0.02	<0.01	<0.01	NA	0.215	NA	<0.20	<0.2	<0.2	NA	<0.2	NA	<0.50	NA	NA
S-10 @ ebb tide	19-Jun-12	12:30:00 PM	0.008	0.04	NA	0.41	<0.02	NA	NA	<0.01	0.405	NA	<0.39	<0.03	0.36	NA	0.03	NA	<0.2	NA	NA
S-10 @ ebb tide	29-Aug-12	10:30:00 AM	0.015	0.063	NA	0.24	<0.10	NA	NA	<0.01	0.125	NA	<0.21	<0.11	<0.10	NA	<0.04	NA	<0.2	NA	NA
S-10 @ ebb tide	18-Jun-13	10:15:00 AM	0.02	0.043	NA	0.58	0.06	NA	NA	<0.01	0.585	NA	0.52	0.06	0.46	NA	0.06	NA	<0.03	NA	10
S-10 @ ebb tide	20-Aug-13	11:10:00 AM	0.007	0.013	NA	0.34	0.04	NA	NA	<0.01	0.345	NA	0.31	0.04	0.27	NA	0.03	NA	<0.2	NA	<5
S-10 @ ebb tide	09-Jun-14	9:30:00 AM	0.01	0.048	NA	0.37	0.08	<0.01	<0.004	NA	0.377	NA	0.23	0.08	0.15	NA	0.14	NA	0.16	NA	<5
S-10 @ ebb tide	08-Sep-14	11:35:00 AM	0.019	0.082	NA	0.3	<0.02	NA	NA	0.2	0.32	NA	0.48	0.3	<0.18	NA	0.02	NA	0.04	NA	NA
S-10 @ ebb tide	28-May-15	8:45:00 AM	0.021	0.035	NA	<0.2	0.03	NA	NA	0.1	0.315	NA	<0.30	0.13	<0.17	NA	<0.2	NA	0.03	NA	<5
S-10 @ ebb tide	13-Aug-15	11:15:00 AM	0.01	0.035	NA	0.63	0.08	NA	NA	0.23	0.86	NA	0.63	0.31	0.32	NA	0.23	NA	<0.1	4.36	6
S-10 @ ebb tide	09-Sep-15	9:45:00 AM	0.011	0.029	NA	0.32	0.12	NA	NA	0.19	0.51	NA	0.62	0.31	0.19	NA	0.01	NA	0.2	4.5	15
S-10 @ ebb tide	16-Jun-16	9:30:00 AM	0.024	0.129	NA	0.32	0.02	NA	NA	0.05	0.37	NA	0.36	0.07	0.28	NA	0.02	NA	0.04	3.58	<5
S-10 @ ebb tide	12-Aug-16	7:25:00 AM	0.022	0.043	NA	0.4	0.04	0.03	<0.006	NA	0.68	NA	0.34	0.07	0.27	NA	0.09	NA	<1.0	2.1	<5
S-10 @ ebb tide	07-Jun-17	11:05:00 AM	0.007	0.042	NA	0.3	<0.02	0.1	<0.005	NA	0.3925	NA	0.38	0.1	0.26	NA	0.02	NA	0.04	2.72	<5
S-10 @ ebb tide	07-Jul-17	12:25:00 PM	<0.005	0.025	NA	1	0.071	0.02	<0.005	NA	1.0235	NA	0.55	0.09	0.46	NA	0.47	NA	<0.2	4.51	<5
S-10 @ ebb tide	11-Jul-18	10:40:00 AM	0.012	0.026	NA	0.33	0.11	NA	NA	0.03	0.36	NA	0.32	0.14	0.18	NA	0.04	NA	0.866	2.24	20
S-10 @ ebb tide	08-Aug-18	9:25:00 AM	0.017	0.022	NA	0.52	0.11	NA	NA	<0.01	0.525	NA	0.37	0.11	0.26	NA	0.15	NA	1.69	2.44	<5
S-10 @ ebb tide	11-Jul-19	7:30:00 AM	0.009	0.096	NA	0.49	0.041	NA	NA	0.04	0.531	NA	0.5	0.08	0.42	NA	0.03	NA	0.41	2.53	NA
S-10 @ ebb tide	12-Aug-19	10:20:00 AM	0.014	0.037	NA	0.52	0.041	NA	NA	0.03	0.551	NA	0.54	0.06	0.46	NA	0.02	NA	0.46	7.41	NA
S-10 @ ebb tide	11-Sep-19	10:36:00 AM	0.006	0.04	NA	0.5	0.074	NA	NA	0.02	0.524	NA	0.45	0.09	0.36	NA	0.07	NA	<0.2	8.65	NA
S-10 @ ebb tide	03-Jun-20	10:10:00 AM	0.009	0.019	NA	0.28	<0.02	NA	NA	0.04	0.185	NA	0.25	<0.06	<0.21	NA	<0.07	NA	<0.50	5.17	10
S-10 @ ebb tide	01-Jul-20	9:00:00 AM	0.013	0.022	NA	0.59	0.14	NA	NA	<0.01	0.595	NA	0.5	0.14	0.36	NA	0.09	NA	0.09	10.9	<5
S-10 @ ebb tide	31-Aug-20	11:15:00 AM	0.027	0.042	NA	0.43	<0.02	NA	NA	<0.01	0.275	NA	0.38	<0.03	<0.38	NA	0.07	NA	0.15	NS	5
S-10 @ ebb tide	07-Jun-21	10:30:00 AM	0.025	0.052	NA	0.32	0.25	0.06	<0.01	NA	0.385	NA	0.35	0.31	0.04	NA	0.03	NA	<0.5	<1.0	<5

S-7 & S-10 @ ebb tide

Harbor Water Sampling

Analytical Data

ebb tide samples collected within 1hr of ebb tide per DEP Permit

Station ID	Date	Time	Ortho P (mg/L)	Total P (mg/L)	Re- issued TP	TKN (mg/L)	Ammoni a-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Nitrate / Nitrite (mg/L)	Total Nitroge n (mg/L)	Re- issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re- issued DON	PON (mg/L)	Re- issued PON	POC (mg/L)	Chlorop hyll-a (ug/L)	E- Coli/10 0
S-10 @ ebb tide	01-Sep-21	8:15:00 AM	0.04	0.108	NA	0.21	0.04	<0.02	<0.01	NA	0.25	NA	<0.23	<0.05	<0.16	NA	<0.21	NA	0.07	5.56	5
S-10 @ Ebb Tide	11-Jul-22	9:45:00 AM	0.033	0.041	NA	0.53	0.13	0.02	<0.006	NA	0.655	NA	0.44	0.15	0.29	NA	0.21	NA	<0.59	2.38	10
S-10 @ Ebb Tide	08-Sep-22	10:10:00 AM	0.046	0.047	NA	0.28	0.04	0.04	<0.006	NA	0.303	NA	<0.24	0.08	<0.16	NA	<0.28	NA	0.57	3.93	15
S-10 @ ebb tide	27-Jul-23	7:10:00 AM	0.024	0.044	NA	1.3	0.031	<0.02	<0.010	NA	1.346	NA	1.2	0.03	1.2	NA	0.1	NA	<0.2	2.73	<5
S-10 @ ebb tide	29-Aug-23	9:15:00 AM	0.011	0.043	NA	0.42	0.061	<0.02	<0.010	NA	0.436	NA	0.21	0.06	0.15	NA	0.21	NA	<0.51	6.38	5

S-7 & S-10 2-4 HST

Harbor Water Sampling

Analytical Data

2-4 HST samples collected 2-4 hours after high slack tide per EPA permit

Station ID	Date	Time	Ortho P (mg/L)	Total P (mg/L)	Re- issued TP	TKN (mg/L)	Ammon ia-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Nitrate / Nitrite (mg/L)	Total Nitroge n (mg/L)	Re- issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re- issued DON	PON (mg/L)	Re- issued PON	POC (mg/L)	Chlorop hyll-a (ug/L)	E- Coli/10 0
S-7 2-4 HST	16-Jun-16	11:50:00 AM	0.02	0.037	NA	0.37	0.08	NA	NA	0.05	0.42	NA	0.4	0.13	0.27	NA	0.02	NA	0.17	6.64	<5
S-7 2-4 HST	14-Jul-16	10:00:00 AM	0.022	0.045	NA	0.28	0.11	NA	NA	0.09	0.37	NA	0.36	0.2	0.16	NA	0.01	NA	0.03	2.97	<5
S-7 2-4 HST	12-Aug-16	9:30:00 AM	0.029	0.047	NA	0.45	0.07	0.03	<0.006	NA	0.483	NA	0.44	0.1	0.34	NA	0.04	NA	0.04	<2.0	<5
S-7 2-4 HST	15-Sep-16	1:10:00 PM	0.019	0.05	NA	0.45	0.2	<0.01	<0.006	NA	0.458	NA	0.38	0.2	0.18	NA	0.07	NA	<0.2	2.15	5
S-7 2-4 HST	07-Jun-17	1:30:00 PM	0.01	0.047	NA	0.48	0.048	0.09	<0.005	NA	0.5705	NA	0.52	0.14	0.38	NA	0.05	NA	0.14	3.32	20
S-7 2-4 HST	06-Jul-17	12:40:00 PM	<0.005	0.032	NA	0.37	0.091	0.02	<0.005	NA	0.3935	NA	0.31	0.11	0.2	NA	0.08	NA	0.06	5.41	5
S-7 2-4 HST	07-Aug-17	2:30:00 PM	0.023	0.032	NA	0.46	<0.02	0.01	<0.005	NA	0.3175	NA	0.32	<0.03	<0.29	NA	0.15	NA	0.09	3.8	15
S-7 2-4 HST	05-Sep-17	1:45:00 PM	0.015	0.05	NA	0.6	0.21	0.03	<0.005	NA	0.6325	NA	0.46	0.24	0.22	NA	0.17	NA	0.1	3	<5
S-7 @ 2-4 HST	07-Jun-18	8:50:00 AM	<0.005	0.033	NA	0.34	<0.02	NA	NA	0.07	0.21	NA	0.38	<0.09	<0.29	NA	0.03	NA	0.37	2.48	<5
S-7 @ 2-4 HST	11-Jul-18	12:55:00 PM	0.019	0.029	NA	0.27	0.042	NA	NA	0.04	0.197	NA	<0.24	0.08	<0.16	NA	<0.07	NA	1.02	3.33	15
S-7 @ 2-4 HST	08-Aug-18	11:45:00 AM	0.022	0.042	NA	<0.2	0.07	NA	NA	<0.01	0.255	NA	<0.2	0.07	<0.16	NA	<0.2	NA	<0.2	4.05	65
S-7 @ 2-4 HST	10-Sep-18	12:40:00 PM	0.016	0.028	NA	0.22	0.05	NA	NA	0.08	0.28	NA	0.29	0.13	0.16	NA	0.01	NA	1.47	4.63	<5
S-7 @ 2-4 HST	13-Jun-19	10:55:00 AM	<0.005	0.041	NA	0.48	0.04	NA	NA	0.05	0.53	NA	0.5	0.09	0.41	NA	0.03	NA	0.05	2.17	35
S-7 @ 2-4 HST	11-Jul-19	10:20:00 AM	0.01	0.052	NA	0.44	0.039	NA	NA	0.04	0.479	NA	0.45	0.08	0.37	NA	0.03	NA	<0.2	2.73	NA
S-7 @ 2-4 HST	12-Aug-19	12:26:00 PM	0.009	0.047	NA	1.4	<0.02	NA	NA	0.02	1.41	NA	0.54	<0.04	0.5	NA	0.88	NA	0.58	6.07	NA
S-7 @ 2-4 HST	11-Sep-19	12:45:00 PM	0.008	0.038	NA	0.55	0.045	NA	NA	0.04	0.595	NA	0.44	0.09	0.36	NA	0.15	NA	<0.2	3.68	NA
S-7 @ 2-4 HST	07-Jun-21	12:40:00 PM	0.027	0.039	NA	0.54	0.09	0.01	0.01	NA	0.56	NA	0.45	0.11	0.34	NA	0.11	NA	<0.5	<1.0	<5
S-7 @ 2-4 HST	07-Jul-21	12:50:00 PM	0.025	0.04	NA	0.42	0.012	0.01	0.02	NA	0.55	NA	0.45	0.15	0.3	NA	<0.39	NA	<0.5	5.83	25
S-7 @ 2-4 HST	05-Aug-21	12:10:00 PM	0.039	0.063	NA	0.51	<0.02	<0.02	<0.01	NA	0.31	NA	0.45	<0.51	<0.45	NA	0.06	NA	<0.5	6.26	400
S-7 @ 2-4 HST	01-Sep-21	10:20:00 AM	0.037	0.041	NA	0.25	0.07	<0.02	<0.01	NA	0.365	NA	0.25	<0.08	0.18	NA	<0.2	NA	<0.5	13.2	25
S-7 @ 2-4 HST	07-Jun-22	8:30:00 AM	<0.005	0.036	NA	0.35	0.08	<0.01	<0.006	NA	0.358	NA	0.28	0.08	0.2	NA	0.07	NA	0.54	2.1	10
S-7 @ 2-4 HST	11-Jul-22	12:10:00 PM	0.025	0.039	NA	0.28	0.1	<0.02	<0.010	NA	0.305	NA	<0.28	0.1	<0.10	NA	<0.28	NA	<0.58	2.11	5
S-7 @ 2-4 HST	04-Aug-22	7:40:00 AM	0.033	0.05	NA	0.42	0.2	<0.02	<0.010	NA	0.435	NA	0.21	0.2	0.01	NA	0.21	NA	0.07	NS	NS
S-7 @ 2-4 HST	18-Aug-22	7:30:00 AM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.71	NA
S-7 @ 2-4 HST	08-Sep-22	11:50:00 AM	0.012	0.051	NA	0.42	0.04	0.02	<0.006	NA	0.443	NA	0.23	0.06	0.17	NA	0.21	NA	0.57	9.73	20
S-7 @ 2-4 HST	31-May-23	11:05:00 AM	0.009	0.04	NA	0.84	0.045	<0.02	<0.010	NA	0.96	NA	0.84	0.05	0.8	NA	<0.2	NA	0.08	<1	5
S-7 @ 2-4 HST	28-Jun-23	9:42:00 AM	0.021	0.055	NA	0.7	<0.2	<0.01	<0.010	NA	0.815	NA	0.56	<0.04	0.56	NA	0.14	NA	<0.2	2.48	>400
S-7 @ 2-4 HST	27-Jul-23	9:10:00 AM	0.016	0.045	NA	1.1	0.03	<0.02	<0.010	NA	1.245	NA	1.1	0.03	1.1	NA	<0.2	NA	<0.2	2.42	<5
S-7 @ 2-4 HST	29-Aug-23	11:25:00 AM	0.01	0.044	NA	0.42	0.02	<0.02	<0.010	NA	0.435	NA	0.21	0.02	0.19	NA	0.21	NA	<0.5	5.67	65
S-10 2-4 HST	16-Jun-16	11:40:00 AM	0.029	0.034	NA	0.4	0.06	NA	NA	0.05	0.45	NA	0.43	0.11	0.32	NA	0.02	NA	0.03	<2.0	<5
S-10 2-4 HST	14-Jul-16	9:50:00 AM	0.019	0.044	NA	0.34	0.04	NA	NA	0.03	0.37	NA	0.32	0.07	0.25	NA	0.05	NA	<1.0	<2.0	<5
S-10 2-4 HST	12-Aug-16	9:20:00 AM	0.035	0.042	NA	0.37	0.43	0.03	<0.006	NA	0.543	NA	0.32	0.46	<0.2	NA	0.08	NA	<1.0	<2.0	<5
S-10 2-4 HST	15-Sep-16	1:20:00 PM	0.016	0.046	NA	0.4	0.045	<0.01	<0.006	NA	0.413	NA	0.4	0.04	0.36	NA	<0.2	NA	0.01	2.46	5
S-10 2-4 HST	07-Jun-17	1:40:00 PM	0.009	0.045	NA	0.38	0.028	0.13	<0.006	NA	0.511	NA	0.49	0.16	0.33	NA	0.02	NA	0.08	4.63	5
S-10 2-4 HST	06-Jul-17	12:50:00 PM	0.014	0.029	NA	0.28	0.052	0.03	<0.005	NA	0.4145	NA	0.31	0.08	0.23	NA	<0.2	NA	<0.5	7.19	5
S-10 2-4 HST	07-Aug-17	2:20:00 PM	0.034	0.046	NA	1	0.086	0.01	<0.005	NA	1.0085	NA	0.6	0.1	0.5	NA	0.41	NA	1.6	4.92	5
S-10 2-4 HST	05-Sep-17	1:35:00 PM	0.005	0.044	NA	0.33	0.086	0.03	<0.005	NA	0.3585	NA	0.29	0.12	0.17	NA	0.07	NA	0.29	2.9	<5
S-10 @ 2-4 HST	07-Jun-18	8:40:00 AM	<0.005	0.036	NA	0.31	<0.02	NA	NA	0.04	0.18	NA	0.32	<0.06	<0.26	NA	0.03	NA	0.59	2.31	<5
S-10 @ 2-4 HST	11-Jul-18	12:45:00 PM	0.021	0.028	NA	0.36	0.041	NA	NA	0.02	0.381	NA	0.24	0.06	0.18	NA	0.14	NA	<0.2	3.78	10
S-10 @ 2-4 HST	08-Aug-18	11:35:00 AM	0.022	0.037	NA	<0.2	0.04	NA	NA	<0.01	0.225	NA	<0.2	<0.16	<0.16	NA	<0.2	NA	0.63	2.51	<5
S-10 @ 2-4 HST	10-Sep-18	12:50:00 PM	0.017	0.029	NA	0.54	0.12	NA	NA	0.06	0.6	NA	0.43	0.18	0.25	NA	0.17	NA	1.11	4.41	<5
S-10 @ 2-4 HST	13-Jun-19	10:45:00 AM	<0.005	0.013	NA	0.31	<0.02	NA	NA	0.06	0.22	NA	0.32	<0.08	<0.24	NA	0.05	NA	<0.2	<0.5	15
S-10 @ 2-4 HST	11-Jul-19	9:50:00 AM	0.009	0.01	NA	0.47	0.026	NA	NA	0.06	0.526	NA	0.51	0.09	0.42	NA	0.02	NA	<0.2	2.96	NA
S-10 @ 2-4 HST	12-Aug-19	12:20:00 PM	0.01	0.039	NA	0.49	<0.02	NA	NA	0.02	0.5	NA	0.47	<0.04	0.43	NA	0.04	NA	0.57	11.4	NA
S-10 @ 2-4 HST	11-Sep-19	12:40:00 PM	0.009	0.023	NA	0.57	0.33	NA	NA	0.03	0.605	NA	0.42	0.08	0.35	NA	0.18	NA	<0.2	8.39	NA
S-10 @ 2-4 HST	07-Jun-21	12:30:00 PM	0.025	0.051	NA	0.39	0.06	0.03	<0.010	NA	0.425	NA	0.29	0.09	0.2	NA	0.13	NA	<0.5	<1.0	5
S-10 @ 2-4 HST	07-Jul-21	12:40:00 PM	0.025	0.03	NA	0.26	<0.02	0.02	<0.01	NA	0.18	NA	0.25	0.02	<0.23	NA	0.03	NA	<0.5	3.43	20
S-10 @ 2-4 HST	05-Aug-21	12:05:00 PM	0.041	0.052	NA	0.51	<0.02	<0.02	<0.01	NA	0.605	NA	0.34	<0.51	<0.34	NA	0.17	NA	<0.58	8.15	70
S-10 @ 2-4 HST	01-Sep-21	10:05:00 AM	0.043	0.047	NA	0.35	0.033	<0.02	<0.01	NA	0.308	NA	<0.23	<0.04	<0.17	NA	<0.35	NA	0.01	14	<5
S-10 @ 2-4 HST	07-Jun-22	8:20:00 AM	<0.005	0.034	NA	0.21	0.07	<0.01	<0.006	NA	0.248	NA	<0.21	0.07	<0.13	NA	<0.21	NA	0.59	2.1	10

S-7 & S-10 2-4 HST

Harbor Water Sampling

Analytical Data

2-4 HST samples collected 2-4 hours after high slack tide per EPA permit

Station ID	Date	Time	Ortho P (mg/L)	Total P (mg/L)	Re- issued TP	TKN (mg/L)	Ammon ia-N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Nitrate / Nitrite (mg/L)	Total Nitroge n (mg/L)	Re- issued TN	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re- issued DON	PON (mg/L)	Re- issued PON	POC (mg/L)	Chlorop hyll-a (ug/L)	E- Coli/10 0
S-10 @ 2-4 HST	11-Jul-22	12:00:00 PM	0.025	0.041	NA	0.28	0.11	<0.02	<0.010	NA	0.295	NA	0.21	0.11	0.1	NA	0.07	NA	<0.56	2.38	30
S-10 @ 2-4 HST	04-Aug-22	8:00:00 AM	0.029	0.049	NA	0.42	0.1	0.05	<0.010	NA	0.465	NA	<0.25	0.15	<0.20	NA	<0.42	NA	0.04	NS	NS
S-10 @ 2-4 HST	18-Aug-22	7:20:00 AM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.72	NA
S-10 @ 2-4 HST	08-Sep-22	11:40:00 AM	0.031	0.043	NA	0.28	0.08	0.02	<0.006	NA	0.303	NA	<0.22	0.1	<0.12	NA	<0.28	NA	0.53	4.69	15
S-10 @ 2-4 HST	31-May-23	11:00:00 AM	0.011	0.049	NA	0.91	<0.2	0.03	<0.010	NA	1.045	NA	0.87	0.03	0.84	NA	0.07	NA	0.02	2.85	<5
S-10 @ 2-4 HST	28-Jun-23	9:31:00 AM	0.012	0.041	NA	0.56	<0.2	<0.01	<0.010	NA	0.67	NA	0.42	<0.04	0.42	NA	0.14	NA	<0.52	<1	110
S-10 @ 2-4 HST	27-Jul-23	9:00:00 AM	0.016	0.041	NA	0.98	0.02	<0.02	<0.010	NA	0.995	NA	0.91	0.02	0.89	NA	0.07	NA	<0.2	<1	<5
S-10 @ 2-4 HST	29-Aug-23	11:20:00 AM	0.008	0.044	NA	0.42	<0.01	<0.02	<0.010	NA	0.445	NA	0.21	<0.040	0.21	NA	0.21	NA	<0.5	7.35	10

Surface Water Sampling

Field Data

[illegible]

S-2
Surface Water Sampling
Field Data

Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)
S-2A	03-Jun-99	3:45:00 PM	11.2	0.2	1.8	73	6.5	2.67	NM
S-2A	06-Aug-02	2:45:00 PM	25.35	12.3	149.8	83.7	6.45	8.77	4
S-2A	01-Oct-02	12:40:00 PM	18.29	10.63	113	69	6.12	3.08	5.8
S-2A	14-Nov-02	1:15:00 PM	10.42	13.53	121	72	6.53	1.89	5.85
S-2A	26-Mar-03	12:30:00 PM	9.89	12.6	111.3	3.71	7.49	1.92	4.2
S-2A	03-Jun-03	3:00:00 PM	17.8	11.93	125.5	1.248	6.35	2.25	4.93
S-2A	24-Jun-03	3:45:00 PM	17.83	2.31	24.3	0.074	6.81	1.72	5.35
S-2A	17-Jul-03	1:30:00 PM	24.84	10.14	122.3	0.069	6.93	1.82	6.81
S-2A	27-Aug-03	---	23.44	13.58	159.6	0.08	9.15	6.67	3.8
S-2A	18-Sep-03	3:00:00 PM	18.2	10.12	107.3	93	6.54	11.87	4
S-2A	11-Nov-03	1:50:00 PM	---	---	---	---	---	2.19	5.41
S-2A	16-Mar-04	2:10:00 PM	---	---	---	---	---	1.1	5
S-2A	20-May-04	2:00:00 PM	17.47	10.54	110.1	85	4.42	4.52	---
S-2A	23-Jun-04	2:15:00 PM	22.54	14.96	172.9	79	9.75	2.68	4
S-2A	26-Jul-04	1:15:00 PM	21.28	12.16	137.1	89	8.02	1.75	5
S-2B	03-Jun-99	9:07:00 AM	22.7	8.4	97.4	NM	NM	NM	NM
S-2B	22-Jun-99	7:50:00 AM	19.5	10.1	110	NM	NM	NM	NM
S-2B	19-Jul-99	8:10:00 AM	25.6	8.15	99.7	NM	NM	NM	NM
S-2B	18-Aug-99	8:35:00 AM	23	7.3	85.1	NM	NM	NM	NM
S-2B	28-Sep-99	8:45:00 AM	17.13	10.75	111.5	NM	NM	NM	NM
S-2B	17-Nov-99	---	NM	NM	NM	NM	NM	1.36	NM
S-2B	18-Nov-99	11:00:00 AM	6.8	10.61	87	68	6.59	NM	NM
S-2B	18-Nov-99	8:35:00 AM	6.6	10.5	85.6	67	6.17	NM	NM
S-2B	22-Feb-00	9:00:00 AM	4.5	12.4	95.8	NM	NM	NM	NM
S-2B	28-Feb-01	7:38:00 AM	3.83	13.15	99.9	NM	NM	NM	NM
S-2B	26-Jul-01	8:22:00 AM	24.69	8.02	96.5	NM	NM	NM	NM
S-2B	06-Aug-02	7:29:00 AM	25.3	11.5	139.9	NM	NM	NM	NM
S-2B	06-Aug-02	3:00:00 PM	25.44	12.3	150.1	535	8.55	5.27	NM
S-2B	01-Oct-02	1:50:00 PM	18.85	10.24	110.1	69	6.23	1.85	NM
S-2B	01-Oct-02	7:15:00 AM	17.48	9.21	96.2	---	---	---	---
S-2B	14-Nov-02	2:20:00 PM	10.35	13.38	119.5	72	6.74	1.78	---
S-2B	14-Nov-02	6:57:00 AM	9.98	13.56	120.1	---	---	---	---
S-2B	26-Mar-03	6:05:00 AM	8.81	16.28	140.2	---	---	---	---
S-2B	26-Mar-03	12:45:00 PM	9.58	13.38	117.3	0.127	7.73	1.66	---
S-2B	03-Jun-03	7:07:00 AM	15.44	11.08	110.9	---	---	---	---
S-2B	03-Jun-03	2:02:00 PM	17.85	11.93	117.3	0.102	7.06	3.66	---
S-2B	24-Jun-03	12:50:00 PM	18.93	1.44	15.5	0.07	6.96	3.25	---
S-2B	24-Jun-03	7:00:00 AM	17.12	2.78	28.8	---	---	---	---
S-2B	17-Jul-03	6:55:00 AM	22	9.64	110.2	---	---	---	---
S-2B	17-Jul-03	1:40:00 PM	24.58	16.88	202.7	0.072	7.3	---	---
S-2B	27-Aug-03	7:06:00 AM	21.18	7.75	88.3	---	---	---	---
S-2B	27-Aug-03	1:15:00 PM	23.22	12.85	150.4	0.078	8.11	7.94	---
S-2B	18-Sep-03	2:48:00 PM	18.69	10.3	110.3	---	---	---	---
S-2B	18-Sep-03	7:30:00 AM	19.43	11.76	127.9	---	---	---	---
S-2B	11-Nov-03	7:11:00 AM	8.3	8.71	74.1	---	---	---	---
S-2B	11-Nov-03	2:25:00 PM	8.95	9.67	83.6	82	---	---	---
S-2B	20-May-04	7:15:00 AM	17.08	9.97	103.3	---	---	---	---
S-2B	20-May-04	3:10:00 PM	17.25	7.93	82.5	83	7.18	---	---
S-2B	23-Jun-04	7:15:00 AM	19.91	9.27	101.8	---	---	---	---

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Surface Water Sampling

Field Data

Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)
S-2B	26-Jul-04	7:15:00 AM	19.91	9.27	101.8	---	---	---	---
S-2B	26-Jul-04	2:15:00 PM	20.51	14.46	160.6	---	---	6.24	---
S-2B	02-Mar-06	---	ICE	ICE	ICE	ICE	ICE	ICE	NM
S-2B	06-Mar-06	1:16:00 PM	5.59	E-failure	E-failure	100	6.72	3.1	NM
S-2B	13-Jul-06	11:17:00 AM	21.78	10.43	118.8	102	6.92	1	NM
S-2B	14-Jul-06	7:46:00 AM	20.54	10.55	117.4	101	6.92	0.8	NM
S-2B	07-Aug-06	10:47:00 AM	22.49	12.75	147.1	98	6.73	1	NM
S-2B	19-Sep-06	1:55:00 PM	19.31	12.2	136.7	NM	6.9	1.3	NM
S-2B	30-Oct-06	9:50:00 AM	9.49	11.13	98.1	77	7.02	NM	NM
S-2B	10-Apr-07	10:15:00 AM	7.88	17.2	144.9	71	6.49	4.3	NM
S-2B	09-Jul-07	11:15:00 AM	22.21	9.88	110.5	105	7.01	0	NM
S-2B	06-Aug-07	10:42:00 AM	23.4	14.5	169.8	104	6.73	28.7	NM
S-2B	12-Sep-07	9:30:00 AM	18.79	10.83	116.3	93	6.54	0	NM
S-2B	04-Oct-07	10:40:00 AM	18.36	13.33	141.5	97	7.09	0.5	NM
S-2B	10-Apr-08	9:55:00 AM	11.22	13.54	123.4	79	6.78	N/A	NM
S-2B	13-Apr-09	11:52:00 AM	9.97	10.76	95.2	118	6.62	NA	NM
S-2B	28-Apr-10	1:35:00 PM	12.17	11.2	104.3	116	7	E-failure	NM
S-2B	27-Jul-10	9:30:00 AM	22.55	11.33	131.1	115	NA	0.6	NM
S-2B	26-Aug-10	9:15:00 AM	18.05	9.17	97	133	6.73	2.1	NM
S-2B	21-Sep-10	11:55:00 AM	17.89	127	11.25	118.8	7.04	E-failure	NM
S-2B	20-Apr-11	9:55:00 AM	11.46	11.71	107.2	114	6.93	0.9	NM
S-2B	24-May-11	8:45:00 AM	15.99	11.49	116.3	110	6.75	0	NM
S-2B	13-Jun-11	10:30:00 AM	17.29	10.22	106.2	117	6.67	2.6	NM
S-2B	26-Jul-11	11:00:00 AM	22.5	11.22	129.4	123	7.31	0.1	NM
S-2B	12-Sep-11	11:00:00 AM	19.68	10.46	114.3	106	6.7	0	NM
S-2C	03-Jun-99	3:42:00 AM	23.1	8.6	100.4	71	7.16	1.32	7
S-2C	19-Jul-99	8:10:00 AM	24.9	8.01	96.8	NM	NM	NM	NM
S-2C	18-Aug-99	4:30:00 PM	19.6	NM	NM	79	6.4	12.8	na
S-2C	18-Aug-99	8:30:00 AM	23	8.2	95.6	NM	NM	NM	NM
S-2C	28-Sep-99	8:45:00 AM	16.81	9.45	97.4	NM	NM	NM	NM
S-2C	18-Nov-99	11:00:00 AM	7	10.95	90.2	68	6.69	NM	NM
S-2C	18-Nov-99	8:35:00 AM	6.8	10.93	89.6	69	6.18	NM	NM
S-2C	22-Feb-00	9:00:00 AM	4.4	12.2	94.1	NM	NM	NM	NM
S-2C	28-Feb-01	7:41:00 AM	3.77	13.16	99.8	NM	NM	NM	NM
S-2C	28-Feb-01	2:08:00 PM	4.48	13.03	100.7	48	6.74	NM	NM
S-2C	26-Jul-01	8:32:00 AM	23.88	8.6	101.9	NM	NM	NM	NM
S-2C	06-Aug-02	12:40:00 PM	17.93	8.95	94.4	NM	NM	NM	NM
S-2C	06-Aug-02	7:22:00 AM	24.8	9.3	112.1	NM	NM	NM	NM
S-2C	01-Oct-02	7:23:00 AM	17.24	9.59	99.7	---	---	---	---
S-2C	01-Oct-02	11:30:00 AM	17.93	3.31	34.9	105	6.81	1.88	NM
S-2C	14-Nov-02	12:40:00 PM	10.02	10.19	90.3	68	7.25	---	---
S-2C	14-Nov-02	7:01:00 AM	9.98	15.47	137	---	---	---	---
S-2C	26-Mar-03	11:15:00 AM	9.62	11.52	101.1	0.137	7.82	---	---
S-2C	26-Mar-03	6:50:00 AM	8.92	14.83	128	---	---	---	---
S-2C	03-Jun-03	2:20:00 PM	17.35	10.57	110.2	0.1	6.63	---	---
S-2C	03-Jun-03	7:14:00 AM	15.27	10.52	104.9	---	---	---	---
S-2C	24-Jun-03	1:00:00 PM	17.54	1.4	14.6	---	---	---	---
S-2C	24-Jun-03	7:05:00 AM	16.61	2.44	25	---	---	---	---
S-2C	17-Jul-03	6:59:00 AM	21.54	8.84	100.2	---	---	---	---

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Surface Water Sampling

Field Data

Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)
S-2C	17-Jul-03	12:00:00 PM	23.61	8.49	100.1	0.073	6.86	---	---
S-2C	27-Aug-03	7:13:00 AM	21.5	6.36	72	---	---	---	---
S-2C	27-Aug-03	1:01:00 PM	23.1	9.1	106.3	---	---	---	---
S-2C	18-Sep-03	2:58:00 PM	17.08	9.31	96.5	---	---	---	---
S-2C	18-Sep-03	7:45:00 AM	18.71	10.72	114.9	---	---	---	---
S-2C	11-Nov-03	7:13:00 AM	8.8	11.2	96.4	84	---	---	---
S-2C	20-May-04	7:25:00 AM	16.52	7.88	80.7	---	---	---	---
S-2C	23-Jun-04	7:25:00 AM	19.62	9.84	107.4	---	---	---	---
S-2C	26-Jul-04	2:07:00 PM	20.38	10.22	113.2	---	---	---	---
S-2C	26-Jul-04	7:25:00 AM	19.62	9.84	107.4	---	---	---	---
S-2C	02-Mar-06	7:04:00 AM	2.54	14.96	109.7	103	6.9	4.3	NM
S-2C	06-Mar-06	1:08:00 PM	4.02	14.16	108	101	6.75	4	NM
S-2C	13-Jul-06	11:02:00 AM	21.84	8.95	102.1	102	6.86	0.9	NM
S-2C	14-Jul-06	7:41:00 AM	20.03	9.44	103.9	103	6.8	1.2	NM
S-2C	07-Aug-06	10:37:00 AM	22.36	11.24	129.4	99	6.75	1.3	NM
S-2C	19-Sep-06	1:40:00 PM	20.47	9.25	106.2	NM	6.68	1.1	NM
S-2C	06-Aug-07	10:32:00 AM	22.8	13.25	153.9	106	6.51	0	NM
S-2C	27-Mar-12	9:50:00 AM	10.31	10.96	97.8	131	6.8	E-Failure	NM
S-2C	19-Jun-12	9:45:00 AM	18.35	9.32	99.1	124	8.22	1.9	NM

S-2
Surface Water Sampling
Field Data

Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)
S-2C	19-Jul-12	10:00:00 AM	24.27	4.47	53.4	131	6.74	1.8	NM
S-2C	29-Aug-12	9:30:00 AM	21.76	8.81	100.3	133	6.14	1	NM
S-2C	03-Oct-12	11:30:00 AM	15.73	9.57	96.5	139	6.72	0.7	NM
S-2C	02-Apr-13	2:15:00 PM	10.25	11.13	99.2	127	6.65	2.8	NM
S-2C	21-May-13	10:45:00 AM	20.23	9.14	101.1	133	6.55	3.6	NM
S-2C	18-Jun-13	9:30:00 AM	19.96	9.15	100.6	119	E-Failure	E-Failure	NM
S-2C	29-Aug-13	11:30:00 AM	19.84	8.92	97.8	144	6.73	2.6	NM
S-2C	03-Oct-13	11:30:00 AM	16.93	9.46	97.8	164	6.75	0	NM
S-2C	02-Apr-13	2:15:00 PM	10.25	11.13	99.2	127	6.65	2.8	NM
S-2C	21-May-13	10:45:00 AM	20.23	9.14	101.1	133	6.55	3.6	NM
S-2C	18-Jun-13	9:30:00 AM	19.96	9.15	100.6	119	E-Failure	E-Failure	NM
S-2C	29-Aug-13	11:30:00 AM	19.84	8.92	97.8	144	6.73	2.6	NM
S-2C	03-Oct-13	11:30:00 AM	16.93	9.46	97.8	164	6.75	0	NM
S-2C	01-Apr-14	11:25:00 AM	6.35	11.89	97.8	120	6.72	3.6	NM
S-2C	09-Jun-14	11:10:00 AM	21.23	8.78	98.3	121	6.74	5	NM
S-2C	05-Aug-14	12:05:00 PM	22.38	7.51	85.2	137	6.57	5.2	NM
S-2C	25-Sep-14	9:10:00 AM	16.4	9.11	91.1	141	6.07	2.9	NM
S-2C	15-Oct-14	9:45:00 AM	15.59	9.1	90.7	125	6.37	0.7	NM
S-2C	30-Apr-15	10:10:00 AM	12.48	10.35	97.9	134	5.89	8.2	NM
S-2C	28-May-15	10:15:00 AM	20.07	9.67	105.5	145	6.5	5.1	NM
S-2C	23-Jun-15	10:30:00 AM	22.24	6.72	76.8	131	6.42	1.9	NM
S-2C	22-Jul-15	2:15:00 PM	25.52	8	97.1	130	6.98	2.7	NM
S-2C	02-Sep-15	11:10:00 AM	22.98	8.82	101.5	121	6.69	0.2	NM
S-2C	21-Apr-16	10:25:00 AM	13.01	11.13	105	136	7.03	4.1	NM
S-2C	20-Jun-16	10:35:00 AM	21.69	8.94	100.4	134	6.61	3.1	NM
S-2C	18-Jul-16	11:35:00 AM	25.27	9.58	112.9	132	6.63	1.4	NM
S-2C	25-Aug-16	1:15:00 PM	24.14	8.09	93.4	150	7.03	3.6	NM
S-2C	22-Sep-16	12:00:00 PM	19.86	9.81	106	133	7.26	0.9	NM
S-2C	04-May-17	11:25:00 AM	15.03	9.78	95.8	76	7.1	2.1	NM
S-2C	30-May-17	12:15:00 PM	15.65	9.7	96.4	109	6.95	2.8	NM
S-2C	28-Jun-17	12:15:00 PM	21.74	8.52	96.7	66	7.07	2.3	NM
S-2C	10-Aug-17	12:20:00 PM	22.86	9.79	171.4	14	7.76	2.3	NM
S-2C	04-Oct-17	12:45:00 PM	16.26	10.46	104.4	111	6.7	1.9	NM
S-2C	30-Apr-18	11:00:00 AM	13.62	9.15	88.8	93	6.86	2.1	NM
S-2C	21-Jun-18	11:55:00 AM	23.38	5.92	69.3	76	7.18	1.5	NM
S-2C	19-Jul-18	11:05:00 AM	23.39	NA	NA	111	6.92	1.3	NM
S-2C	23-Aug-18	11:50:00 AM	21.38	8.5	95.1	87	6.77	0	NM
S-2C	01-Oct-18	11:45:00 AM	17.58	10.05	102.9	125	6.81	0	NM
S-2C	29-Apr-19	11:25:00 AM	13.08	10.95	103	139	6.2	2.2	
S-2C	27-Jun-19	11:10:00 AM	21.2	9.6	106.5	122	6.19	0	NA
S-2C	14-Aug-19	10:45:00 AM	20.65	9.32	103.8	117	6.21	0.3	NA
S-2C	28-Aug-19	NA	NO ACCESS						NA
S-2C	18-Sep-19	NA	ROAD CLOSED						NA
S-2C	2020	NA	EQUIPMENT FAILURE						NA
S-2C	20-May-21	11:40:00 AM	16.78	6.47	64.1		8.24	3.4	NA
S-2C	22-Jul-21	12:15:00 PM	17.16	8.27	85.1	51	7.9	1.2	NA
S-2C	27-Apr-22	11:30:00 AM	14.18	8.62	84.2	134	6.86	1.5	NA
S-2C	01-Jun-22	10:25:00 AM	20.11	8.49	93	154	6.89	1.8	NA
S-2C	13-Jul-22	11:25:00 AM	23.58	8.64	101	140	7.41	3.8	NA

S-2 Surface Water Sampling Field Data									
Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)
S-2C	29-Mar-23	9:30:00 AM	9.36	13.04	112.5	134	6.86	0.5	NA
S-2C	25-Apr-23	9:05:00 AM	13.14	9.42	92.8	143	6.28	1.3	NA
S-2C	09-May-23	9:45:00 AM	16.3	10.46	106.5	120	5.92	0.5	NA
S-2C	11-Jul-23	8:55:00 AM	22.89	7.95	91.7	94	6.28	0	NA
S-2C	08-Aug-23	8:55:00 AM	21.13	9.75	110.3	68	6.63	0.5	NA

S-3
Surface Water Sampling
Field Data

Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)
S-3A	28-May-98	12:15:00 PM	18	10.5	108	80	6.5	2.4	>4.6
S-3A	29-Jun-98	12:45:00 PM	19	8.6	92	79	6.7	2.3	NM
S-3A	04-Aug-98	11:40:00 AM	20.7	9.8	110	80	6.2	1.5	NM
S-3A	25-Aug-98	10:42:00 AM	21	8.6	97	75	6.1	NM	NM
S-3A	18-Sep-98	10:30:00 AM	18.1	8.9	107	NM	7	0.5	3
S-3A	20-Nov-98	12:30:00 PM	9.1	12.2	95	58	6.8	1.9	3.6
S-3A	24-Feb-99	11:35:00 AM	4	15	88	51	6.9	3.2	NM
S-3A	03-Jun-99	8:00:00 AM	19	7	75.5	NM	NM	NM	NM
S-3A	03-Jun-99	11:20:00 AM	21.2	0.9	89	77	6.92	2.64	NM
S-3A	22-Jun-99	8:00:00 AM	18.5	6.4	68.3	NM	NM	NM	NM
S-3A	19-Jul-99	8:25:00 AM	24.6	4.5	54.1	NM	NM	NM	NM
S-3A	19-Jul-99	11:00:00 AM	26.2	8.51	105.3	85	7.15	2.75	NM
S-3A	19-Jul-99	9:50:00 AM	27.1	7.72	97.1	320	6.33	3.55	NM
S-3A	18-Aug-99	11:00:00 AM	23.5	7.1	83.6	80	6.73	1.96	na
S-3A	18-Aug-99	8:15:00 AM	22	7.7	88.1	NM	NM	NM	NM
S-3A	28-Sep-99	8:56:00 AM	15.72	6.4	64.8	NM	NM	NM	NM
S-3A	17-Nov-99	11:15:00 AM	4.03	14	106.6	104	5.73	NM	NM
S-3A	18-Nov-99	8:20:00 AM	5.3	11.1	87.5	75	6.2	NM	NM
S-3A	18-Nov-99	10:40:00 AM	5.8	11.4	91	75	6.54	NM	NM
S-3A	22-Feb-00	8:45:00 AM	5.3	12	94.7	NM	NM	NM	NM
S-3A	28-Feb-01	8:09:00 AM	3.9	11.3	86	60.3	NM	NM	NM
S-3A	28-Feb-01	10:13:00 AM	4.14	11.9	91.1	60	6.55	NM	NM
S-3A	26-Jul-01	8:50:00 AM	22.69	7.02	81.4	NM	NM	NM	NM
S-3A	26-Jul-01	12:00:00 PM	21.32	4.15	46.8	306	6.7	3.56	NM
S-3A	06-Aug-02	7:48:00 AM	24.2	6.85	81.7	NM	NM	NM	NM
S-3A	01-Oct-02	1:45:00 PM	16.31	3.68	37.5	79	6.55	2.48	NM
S-3A	01-Oct-02	7:28:00 AM	16.13	4.72	48	---	---	---	---
S-3A	14-Nov-02	12:50:00 PM	10.48	11.06	99.1	83	6.65	---	---
S-3A	14-Nov-02	7:10:00 AM	9.36	8.36	72.9	---	---	---	---
S-3A	26-Mar-03	6:55:00 AM	8	11.25	95	---	---	---	---
S-3A	26-Mar-03	11:30:00 AM	10.58	11.93	107.1	0.161	7.62	---	---
S-3A	03-Jun-03	2:35:00 PM	17.77	10.27	108	0.115	7.01	3.85	---
S-3A	03-Jun-03	7:15:00 AM	15.06	9.42	93.5	---	---	---	---
S-3A	24-Jun-03	7:24:00 AM	16.35	9.83	100.3	---	---	---	---
S-3A	24-Jun-03	5:13:00 PM	20.43	10.21	113.2	---	---	---	---
S-3A	17-Jul-03	12:48:00 PM	23	7.83	91.3	0.079	6.33	3.02	---
S-3A	17-Jul-03	7:05:00 AM	7.77	87.7	---	---	---	---	---
S-3A	27-Aug-03	1:48:00 PM	24.4	10.28	123	0.087	6.6	6.79	---
S-3A	27-Aug-03	7:15:00 AM	19.82	5.25	57.5	---	---	---	---
S-3A	18-Sep-03	1:49:00 PM	20.11	8.73	96.2	96	7.21	6.1	---
S-3A	18-Sep-03	7:26:00 AM	17.65	5.86	61.5	---	---	---	---
S-3A	11-Nov-03	7:40:00 AM	6.71	74.2	---	---	---	---	---
S-3A	11-Nov-03	1:42:00 PM	7.7	11.31	94.8	92	6.22	1.65	---
S-3A	16-Mar-04	9:25:00 AM	5.69	10.33	82.3	99	8.08	1.25	---

S-3
Surface Water Sampling
Field Data

Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)
S-3A	20-May-04	9:55:00 AM	16.65	6.8	69.8	104	4.17	4.83	---
S-3A	23-Jun-04	9:35:00 AM	20.58	7.61	84.7	89	6.61	2.27	---
S-3A	23-Jun-04	7:45:00 AM	18.3	4.57	48.6	---	---	---	---
S-3A	26-Jul-04	7:45:00 AM	18.3	4.57	48.6	---	---	---	---
S-3A	26-Jul-04	1:12:00 PM	20.02	7.43	81.7	101	6.37	1.52	---
S-3A	02-Mar-06	6:46:00 AM	2.1	14.19	103.2	109	6.62	4.2	NM
S-3A	06-Mar-06	11:43:00 AM	4.03	13.4	102.6	111	6.43	5.7	NM
S-3A	13-Jul-06	10:42:00 AM	21.78	5.8	66.2	112	6.33	1.1	NM
S-3A	14-Jul-06	7:27:00 AM	19.01	5.34	57.7	112	6.25	1.3	NM
S-3A	07-Aug-06	9:35:00 AM	20.87	8.14	91	103	6.23	0.8	NM
S-3A	19-Sep-06	12:40:00 PM	20.15	10.3	117.7	NM	6.78	0.6	NM
S-3A	30-Oct-06	9:25:00 AM	8.35	10.16	86.5	79	6.68	NM	NM
S-3A	10-Apr-07	9:58:00 AM	7.23	14.06	116.3	75	6.15	5.2	NM
S-3A	09-Jul-07	10:55:00 AM	20.47	6.11	67.8	113	6.54	0	NM
S-3A	06-Aug-07	10:08:00 AM	21.02	12.16	136.5	106	6.22	0	NM
S-3A	12-Sep-07	9:05:00 AM	17.87	6.39	99.7	100	6.39	0	NM
S-3A	04-Oct-07	9:55:00 AM	17.36	9.54	99.2	100	6.93	0.9	NM
S-3A	10-Apr-08	9:35:00 AM	10.06	13.13	117.6	82	6.86	NA	NM
S-3A	13-Apr-09	11:42:00 AM	8.52	11.19	95.7	128	6.92	NA	NM
S-3A	28-Apr-10	1:20:00 PM	11.83	11.19	103.3	125	7.25	E-failure	NM
S-3A	27-Jul-10	8:50:00 AM	20.73	5.97	66.7	123	NA	1.4	NM
S-3A	26-Aug-10	8:50:00 AM	17.31	7.33	76.4	148	6.54	1.4	NM
S-3A	21-Sep-10	11:30:00 AM	16.25	137	9.55	97.3	6.86	E-failure	NM
S-3A	20-Apr-11	9:25:00 AM	10.21	9.36	83.4	157	6.65	1.1	NM
S-3A	24-May-11	8:30:00 AM	15.49	8.44	84.6	124	6.52	2.2	NM
S-3A	13-Jun-11	10:15:00 AM	16.47	8.06	82.5	127	6.55	3	NM
S-3A	26-Jul-11	10:10:00 AM	20.8	6.81	76.3	141	6.53	2.2	NM
S-3A	12-Sep-11	10:45:00 AM	17.85	8	84.3	122	6.43	0	NM
S-3A	27-Mar-12	9:25:00 AM	7.28	10.44	87	145	6.7	E-Failure	NM
S-3A	19-Jun-12	9:30:00 AM	16.64	8.14	83.7	137	8.3	2.3	NM
S-3A	19-Jul-12	9:40:00 AM	22.3	4.57	52.6	148	6.32	2.8	NM
S-3A	29-Aug-12	12:00:00 PM	22.09	6.76	77.5	134	6.2	1.1	NM
S-3A	03-Oct-12	11:05:00 AM	15.86	8.3	83.9	143	6.49	0.7	NM
S-3A	02-Apr-13	11:05:00 AM	8.12	10.55	89.2	159	6.3	2.3	NM
S-3A	21-May-13	9:45:00 AM	18.33	6.56	70	149	6.13	2	NM
S-3A	18-Jun-13	9:00:00 AM	18.89	6.56	70.5	138	E-Failure	E-Failure	NM

S-3 Surface Water Sampling Field Data										
Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)	
S-3A	29-Aug-13	11:10:00 AM	19.1	6	64.9	172	6.4	2.3	NM	
S-3A	03-Oct-13	11:00:00 AM	16.55	8.01	82.1	184	6.42	0.1	NM	
S-3A	01-Apr-14	11:00:00 AM	5.67	11.59	93.5	139	6.59	2.7	NM	
S-3A	09-Jun-14	10:45:00 AM	19.98	7.37	80.9	138	6.53	3.9	NM	
S-3A	05-Aug-14	11:50:00 AM	23.84	9.17	106.2	154	7.15	1.9	NM	
S-3A	25-Sep-14	8:50:00 AM	14.93	6.73	65.6	164	5.76	2.1	NM	
S-3A	15-Oct-14	9:35:00 AM	15.35	5.64	56.4	112	5.73	10.5	NM	
S-3A	30-Apr-15	9:50:00 AM	11.91	86.3	9.25	165	6.13	14.2	NM	
S-3A	28-May-15	10:00:00 AM	19.08	9.82	103.8	175	6.73	16.1	NM	
S-3A	23-Jun-15	10:00:00 AM	20.61	7	77.8	157	5.94	5.1	NM	
S-3A	22-Jul-15	1:50:00 PM	25.65	8.7	105.7	154	6.76	5.1	NM	
S-3A	02-Sep-15	10:45:00 AM	21.37	9.11	101.8	146	6.24	0.9	NM	
S-3A	21-Apr-16	9:55:00 AM	11.2	11.06	100.2	155	6.94	2.5	NM	
S-3A	20-Jun-16	10:10:00 AM	19.91	9.04	97.6	146	6.33	2.2	NM	
S-3A	18-Jul-16	11:20:00 AM	24.39	9.93	116.7	140	6.51	1.2	NM	
S-3A	25-Aug-16	1:00:00 PM	23.84	7.42	96.9		7.42	3.2	NM	
S-3A	22-Sep-16	11:40:00 AM	19.03	9.87	104.4	150	7.44	1.9	NM	
S-3A	04-May-17	10:55:00 AM	14.14	10.1	97.2	68	6.94	3.2	NM	
S-3A	30-May-17	11:45:00 AM	15.3	10.7	105.4	126	6.98	3.8	NM	
S-3A	28-Jun-17	11:55:00 AM	21.44	9.18	102.9	112	7.02	3.3	NM	
S-3A	10-Aug-17	12:00:00 PM	22.84	10.19	115.3	92	7.06	1.5	NM	
S-3A	04-Oct-17	12:30:00 PM	15.38	9.38	96.8	128	6.82	1.4	NM	
S-3A	30-Apr-18	10:35:00 AM	12.31	10.5	95.6	104	6.75	1.5	NM	
S-3A	21-Jun-18	11:40:00 AM	22.47	5.71	65.2	89	6.9	0.2	NM	
S-3A	19-Jul-18	10:45:00 AM	21.59	NA	NA	125	6.31	1.2	NM	
S-3A	23-Aug-18	11:35:00 AM	20.45	8.46	92.6	73	6.89	0	NM	
S-3A	01-Oct-18	11:30:00 AM	16.83	8.31	84.1	104	6.71	0.1	NM	
S-3A	29-Apr-19	10:55:00 AM	12.02	11.03	100.3	152	6.36	2.4	NM	
S-3A	27-Jun-19	10:50:00 AM	20.07	7.36	81.4	144	5.9	0	NM	
S-3A	14-Aug-19		NO ACCESS							NM
S-3A	28-Aug-19	10:30:00 AM	18.94	8.87	94.4	170	6.7	0.2	NM	
S-3A	18-Sep-19	11:05:00 AM	15.91	10.39	103.6	110	6.22	0	NM	
S-3A	2020	NA	EQUIPMENT FAILURE							NA
S-3A	20-May-21	11:25:00 AM	17.3	4.57	46.2	Equipment Failure	7.66	3.2	NA	
S-3A	22-Jul-21	11:45:00 AM	17.71	7.18	79.5	69	8.85	2.1	NA	
S-3A	2021 other dates		EQUIPMENT FAILURE							
S-3A	27-Apr-22	11:10:00 AM	13.97	6.87	65.1	120	6.89	0.5	NA	
S-3A	01-Jun-22	10:10:00 AM	18.48	8.15	86.4	176	6.87	2.5	NA	
S-3A	13-Jul-22	11:10:00 AM	24.09	7.29	75.9	165	7.35	1.3	NA	
S-3A	29-Mar-23	9:20:00 AM	7.41	12.44	107.4	290	NS	0.1	NA	
S-3A	25-Apr-23	8:55:00 AM	11.96	10.31	96	159	6.42	2.1	NA	
S-3A	09-May-23	9:35:00 AM	14.51	9.77	97.9	144	6.08	1.9	NA	
S-3A	11-Jul-23	8:45:00 AM	20.77	7.33	80.7	125	6.16	1.5	NA	
S-3A	08-Aug-23	8:35:00 AM	20.82	10.07	112.4	147	6.63	0.5	NA	

S-3 Surface Water Sampling Field Data									
Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)
S-3B	22-Jun-99	8:10:00 AM	19	8.2	88.4	NM	NM	NM	NM
S-3B	19-Jul-99	8:25:00 AM	24	7.36	87.4	NM	NM	NM	NM
S-3B	18-Aug-99	8:15:00 AM	22	7.7	88.1	NM	NM	NM	NM
S-3B	28-Sep-99	8:50:00 AM	15.14	9.36	93.1	NM	NM	NM	NM
S-3B	17-Nov-99	11:15:00 AM	4.03	12.84	98	104	5.98	NM	NM

S-3
Surface Water Sampling
Field Data

Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)
S-3B	18-Nov-99	10:40:00 AM	5.9	11.6	92.9	74	6.54	NM	NM
S-3B	18-Nov-99	8:20:00 AM	5.5	11.06	87.7	74	6.23	NM	NM
S-3B	22-Feb-00	10:25:00 AM	3.6	12.5	94.4	83	6.05	6	NM
S-3B	22-Feb-00	8:53:00 AM	4.8	12.1	94.3	NM	NM	NM	NM
S-3B	28-Feb-01	10:13:00 AM	3.9	12.95	98.5	61.6	8	2.16	NM
S-3B	28-Feb-01	8:00:00 AM	3.9	12.55	95.5	64	NM	NM	NM
S-3B	26-Jul-01	9:12:00 AM	22.81	6.88	79.9	NM	NM	NM	NM
S-3B	26-Jul-01	12:00:00 PM	21.64	7.85	89.2	308	7.68	NM	NM
S-3B	06-Aug-02	7:34:00 AM	24.2	6.75	80.5	NM	NM	NM	NM
S-3B	01-Oct-02	7:22:00 AM	16	5.02	50.9	---	---	---	---
S-3B	01-Oct-02	1:45:00 PM	16.2	4.6	46.8	---	---	---	NM
S-3B	14-Nov-02	1:00:00 PM	10.18	11.81	105.1	84	6.87	2.4	---
S-3B	14-Nov-02	7:15:00 AM	9.16	10.64	92.4	---	---	---	---
S-3B	26-Mar-03	11:40:00 AM	10	11.87	105.2	0.175	7.56	---	---
S-3B	26-Mar-03	6:45:00 AM	7.41	11.52	95.9	---	---	---	---
S-3B	03-Jun-03	7:20:00 AM	14.9	10.18	100.7	---	---	---	---
S-3B	03-Jun-03	2:48:00 PM	17.7	10.26	107.7	0.116	7	5.46	---
S-3B	24-Jun-03	5:22:00 PM	20.73	8.63	96.3	0.081	6.93	2.58	---
S-3B	24-Jun-03	7:19:00 AM	16.06	9.56	97	---	---	---	---
S-3B	17-Jul-03	7:00:00 AM	21.14	8.59	96.6	---	---	---	---
S-3B	17-Jul-03	12:38:00 PM	23.5	8.09	95.2	0.079	6.49	4.34	---
S-3B	27-Aug-03	7:10:00 AM	20.51	7.67	85.2	---	---	---	---
S-3B	27-Aug-03	1:54:00 PM	23.3	8.85	103.8	0.088	6.54	5.5	---
S-3B	18-Sep-03	7:20:00 AM	17.9	7.92	83.5	---	---	---	---
S-3B	18-Sep-03	1:55:00 PM	19.12	8.31	89.8	98	7.23	5.27	---
S-3B	11-Nov-03	1:55:00 PM	7.5	11.07	92.3	96	6.2	2.33	---
S-3B	11-Nov-03	7:45:00 AM	6.59	11.31	92.2	---	---	---	---
S-3B	16-Mar-04	9:45:00 AM	5.66	10.76	85.7	101	8.06	1.39	---
S-3B	20-May-04	10:05:00 AM	16.07	8.39	85.1	102	4.76	9.01	---
S-3B	23-Jun-04	7:50:00 AM	18.14	8.66	91.7	---	---	---	---
S-3B	23-Jun-04	10:45:00 AM	20.12	9.67	106.6	83	6.79	1.48	---
S-3B	26-Jul-04	1:22:00 PM	20.28	8.81	97.4	100	6.58	1.55	---
S-3B	26-Jul-04	7:50:00 AM	18.17	8.66	91.8	---	---	---	---
S-3B	02-Mar-06	6:53:00 AM	2.25	14.48	105.7	114	6.59	3.6	NM
S-3B	06-Mar-06	11:32:00 AM	3.94	13.71	105.1	114	6.59	5	NM
S-3B	13-Jul-06	10:28:00 AM	21.83	7.57	86.3	113	6.59	1.5	NM
S-3B	14-Jul-06	7:20:00 AM	18.87	8.34	89.7	114	6.39	2.8	NM
S-3B	07-Aug-06	9:42:00 AM	21.17	10.75	120.2	105	6.44	0.9	NM
S-3B	19-Sep-06	11:45:00 AM	19.36	9.08	102.1	NM	6.54	7	NM
S-3B	06-Aug-07	9:58:00 AM	20.88	12.67	141.8	108	5.96	0.1	NM

S-4
Surface Water Sampling
Field Data

Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)
S-4A	28-May-98	10:50:00 AM	16	9.1	93	78	6.1	1.9	>5.4
S-4A	29-Jun-98	11:30:00 AM	20.4	6.1	67	77	5.9	3.5	>6.8
S-4A	04-Aug-98	11:00:00 AM	21	6.3	70	81	6.4	2.4	>5.4
S-4A	25-Aug-98	10:10:00 AM	21.8	7.6	87	85	6	NM	NM
S-4A	18-Sep-98	11:00:00 AM	18.1	9	106	NM	6.7	0.4	NM
S-4A	20-Nov-98	11:45:00 AM	8.3	11.3	105	59	7	1.4	3.4
S-4A	24-Feb-99	10:50:00 AM	3.8	15	88	51	6.9	1.5	NM
S-4A	03-Jun-99	10:00:00 AM	21.5	na	na	77	6.66	3.15	>4.8
S-4A	03-Jun-99	7:50:00 AM	20	8.4	92.4	NM	NM	NM	NM
S-4A	22-Jun-99	7:50:00 AM	18	7.5	79.2	NM	NM	NM	NM
S-4A	19-Jul-99	8:05:00 AM	25	5.35	64.7	NM	NM	NM	NM
S-4A	18-Aug-99		25.5	5.6	68.4	88	6.3	2.69	macrophytes
S-4A	18-Aug-99	8:00:00 AM	23.5	7.2	84.7	NM	NM	NM	NM
S-4A	28-Sep-99	8:30:00 AM	16.2	7.6	77.3	NM	NM	NM	NM
S-4A	18-Nov-99	10:25:00 AM	3.9	10.94	83.2	77	6.41	NM	na
S-4A	18-Nov-99	8:05:00 AM	3.8	10.95	83.1	76	6.34	NM	na
S-4A	22-Feb-00	10:00:00 AM	3.1	12.5	93.1	87	5.71	2	NM
S-4A	22-Feb-00	8:25:00 AM	5.4	11.99	94.9	NM	NM	NM	NM
S-4A	28-Feb-01	7:51:00 AM	3.3	11.96	89.6	51.1	NM	NM	NM
S-4A	28-Feb-01	9:45:00 AM	3.46	12.54	94.3	53	6.71	1.98	NM
S-4A	26-Jul-01	8:44:00 AM	24.65	5.07	61	NM	NM	NM	NM
S-4A	06-Aug-02	5:30:00 PM	25	7.91	95.7	79.4	7.15	1.85	NM
S-4A	06-Aug-02	7:10:00 AM	24.8	2.69	32.4	NM	NM	NM	NM
S-4A	01-Oct-02	7:41:00 AM	15.97	3.64	3.6	---	---	---	---
S-4A	01-Oct-02	1:30:00 PM	15.97	4.38	44.3	116	6.93	4.73	NM
S-4A	14-Nov-02	6:55:00 AM	9.27	9.07	79	---	---	---	---
S-4A	14-Nov-02	12:30:00 PM	10.27	12.77	113.8	91	6.89	3.25	---
S-4A	26-Mar-03	7:12:00 AM	8.05	11.02	93.2	---	---	---	---
S-4A	26-Mar-03	11:50:00 AM	10.41	11.92	106.6	---	---	---	---
S-4A	03-Jun-03	7:28:00 AM	14.34	8.43	82.4	---	---	---	---
S-4A	03-Jun-03	2:55:00 PM	19.9	11.01	120.8	0.109	7.13	4.86	---
S-4A	24-Jun-03	7:38:00 AM	15.93	7.57	76.6	---	---	---	---
S-4A	24-Jun-03	5:30:00 PM	26.26	8.42	104.3	0.071	6.43	4.66	---
S-4A	17-Jul-03	12:54:00 PM	23.1	7.32	85.5	0.076	6.25	4.91	---
S-4A	17-Jul-03	7:10:00 AM	20.91	7.06	79.1	---	---	---	---
S-4A	27-Aug-03	7:30:00 AM	21.07	5.27	59.2	---	---	---	---
S-4A	27-Aug-03	2:04:00 PM	24.5	8.18	98.1	0.085	6.5	2.17	---
S-4A	18-Sep-03	2:06:00 PM	20.5	9.9	110	91	7.65	3.91	---
S-4A	18-Sep-03	7:34:00 AM	17.64	6.29	66	---	---	---	---
S-4A	11-Nov-03	7:35:00 AM	4.6	10.345	80.2	---	---	---	---

S-4
Surface Water Sampling
Field Data

Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)
S-4A	11-Nov-03	2:00:00 PM	5.8	12	95.9	89	6.5	2.54	---
S-4A	16-Mar-04	9:10:00 AM	5.13	10.42	81.9	99	8.06	0.67	---
S-4A	20-May-04	9:30:00 AM	17.06	7.48	77.5	82	4.18	2.26	---
S-4A	20-May-04	7:50:00 AM	15.57	8.16	81.9	---	---	---	---
S-4A	23-Jun-04	9:05:00 AM	---	---	---	84	6.47	1.56	---
S-4A	26-Jul-04	7:40:00 AM	18.35	6.1	64.9	---	---	---	---
S-4A	26-Jul-04	1:05:00 PM	20.61	9.26	103.1	96	6.2	1.93	---
S-4A	02-Mar-06	6:35:00 AM	2.93	13.33	98.9	94	6.58	4.5	NM
S-4A	06-Mar-06	9:38:00 AM	2.75	13.4	98.8	105	6.35	5	NM
S-4A	13-Jul-06	9:00:00 AM	22.66	5.41	62.7	102	6.17	1.1	NM
S-4A	14-Jul-06	6:47:00 AM	19.14	5.75	62.2	98	6.14	1.8	NM
S-4A	07-Aug-06	8:38:00 AM	21.74	7.58	86.4	95	6.1	1.4	NM
S-4A	19-Sep-06	9:55:00 AM	19.37	7.13	80.1	NM	6.39	1.3	NM
S-4A	30-Oct-06	9:05:00 AM	7.19	9.12	75.5	78	6.66	NM	NM
S-4A	10-Apr-07	9:40:00 AM	6.98	13.58	111.9	70	6.13	1	NM
S-4A	09-Jul-07	10:30:00 AM	21.15	5.55	62.5	107	6.51	0	NM
S-4A	06-Aug-07	8:42:00 AM	21.31	10.52	118.9	100	6.26	0	NM
S-4A	12-Sep-07	8:48:00 AM	17.81	5.07	53.6	108	6.09	0	NM
S-4A	04-Oct-07	9:35:00 AM	18.04	10.41	110.1	92	7.21	0.3	NM
S-4A	10-Apr-08	9:20:00 AM	10.09	11.13	99.7	78	6.93	N/A	NM
S-4A	13-Apr-09	11:32:00 AM	7.49	11.24	93.8	121	6.87	NA	NM
S-4A	28-Apr-10	1:05:00 PM	12.52	10.83	101.6	119	7.26	E-failure	NM
S-4A	27-Jul-10	8:30:00 AM	20.98	5.67	63.7	121	NA	1.6	NM
S-4A	26-Aug-10	8:35:00 AM	17.47	7.01	73.3	152	6.19	2.6	NM
S-4A	21-Sep-10	11:15:00 AM	15.84	136	9.81	91	6.99	E-failure	NM
S-4A	20-Apr-11	9:10:00 AM	9.99	9.46	83.9	121	6.64	1.1	NM
S-4A	24-May-11	8:15:00 AM	15.4	8.8	88	119	E-failure	2.3	NM
S-4A	13-Jun-11	9:00:00 AM	15.27	7.49	74.7	124	6.27	1.5	NM
S-4A	26-Jul-11	9:55:00 AM	20.69	6.73	75	134	6.4	0	NM
S-4A	12-Sep-11	10:35:00 AM	18.61	7.31	78.3	123	6.31	0	NM
S-4A	27-Mar-12	9:10:00 AM	5.21	11.25	88.9	139	6.58	E-Failure	NM
S-4A	19-Jun-12	9:15:00 AM	17.13	10.34	107.3	137	10.08	0.3	NM
S-4A	19-Jul-12	9:25:00 AM	22.84	5.88	68.4	137	6.53	2	NM
S-4A	29-Aug-12	9:15:00 AM	20.61	5.53	61.5	133	5.76	1	NM
S-4A	03-Oct-12	10:55:00 AM	16.69	6.76	69.5	131	6.57	0.5	NM
S-4A	02-Apr-13	10:50:00 AM	8.27	10.71	91	145	6.52	1.4	NM
S-4A	21-May-13	9:30:00 AM	19.27	6.53	70.8	146	6.18	2	NM
S-4A	18-Jun-13	8:45:00 AM	19.49	5.75	62.8	133	E-Failure	E-Failure	NM
S-4A	29-Aug-13	10:50:00 AM	19.88	6.59	72.4	168	6.59	2.2	NM
S-4A	03-Oct-13	10:45:00 AM	16.46	9.07	92.9	179	6.58	0	NM

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Surface Water Sampling

Field Data

Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)
S-4A	01-Apr-14	10:30:00 AM	4.95	8.74	70.8	117	6.77	4.5	NM
S-4A	09-Jun-14	10:30:00 AM	20.53	8.95	98.9	111	6.75	1.8	NM
S-4A	05-Aug-14	11:35:00 AM	24.14	7.72	90.8	140	7.07	0.9	NM
S-4A	25-Sep-14	8:35:00 AM	15.4	5.97	58.7	96	5.89	7.9	NM
S-4A	15-Oct-14	9:20:00 AM	15.57	6.71	66.5	136	5.97	0.8	NM
S-4A	30-Apr-15	9:25:00 AM	12.16	7.89	74.2	155	6.03	5.5	NM
S-4A	28-May-15	9:45:00 AM	20.45	7.85	85.3	156	6.59	6.7	NM
S-4A	23-Jun-15	9:45:00 AM	21.65	3.48	39.4	158	5.92	3.5	NM
S-4A	22-Jul-15	1:40:00 PM	26.64	129.9	10.4	136	8.06	4.1	NM
S-4A	02-Sep-15	10:20:00 AM	22.52	7.71	88.5	118	6.72	5.6	NM
S-4A	21-Apr-16	9:40:00 AM	12.25	9.56	89	173	7.23	3.2	NM
S-4A	20-Jun-16	9:50:00 AM	20.28	5.3	57.7	158	6.49	3.3	NM
S-4A	18-Jul-16	10:30:00 AM	25.35	7.5	90.5	153	6.59	3	NM
S-4A	25-Aug-16	10:35:00 AM	22.92	7.01	80.3	150	6.74	1.6	NM
S-4A	22-Sep-16	11:25:00 AM	19.54	8.52	91.2	SEE NOTES	7.45	1.6	NM
S-4A	04-May-17	10:40:00 AM	13.79	6.84	65.7	97	7.14	0.6	NM
S-4A	30-May-17	11:30:00 AM	15.3	6.95	68.5	108	6.85	5	NM
S-4A	28-Jun-17	11:40:00 AM	21.16	7.89	86.8	118	7.28	3	NM
S-4A	10-Aug-17	11:45:00 AM	22.41	6.87	75.9	89	6.93	0.7	NM
S-4A	04-Oct-17	12:10:00 PM	15.76	9.68	96.1	114	6.93	1.6	NM
S-4A	30-Apr-18	10:05:00 AM	11.96	9.79	91.2	0	7.02	1.4	NM
S-4A	21-Jun-18	11:20:00 AM	23.73	5.48	65.3	137	7.2	1.5	NM
S-4A	19-Jul-18	10:35:00 AM	22.53	NA	NA	127	6.66	2.1	NM
S-4A	23-Aug-18	11:20:00 AM	20.75	6.39	72.2	133	6.67	0.1	NM
S-4A	01-Oct-18	11:15:00 AM	16.86	6.69	66.1	159	6.63	0	NM
S-4A	29-Apr-19	10:45:00 AM	11.5	10.96	99.9	165	6.8	2.3	NM
S-4A	27-Jun-19	10:35:00 AM	20.33	7.59	83.3	153	5.97	0	NM
S-4A	14-Aug-19	10:35:00 AM	20.26	6.31	73.1	118	6.36	2.1	NM
S-4A	28-Aug-19	10:20:00 AM	19.75	7.12	77.1	163	6.67	0.6	NM
S-4A	18-Sep-19	10:50:00 AM	16.85	8.59	87.8	78	6.86	0	NM
S-4A	2020	NA	EQUIPMENT FAILURE						NA
S-4A	20-May-21	11:00:00 AM	17.92	2.2	22.6	Equipment Failure	7.19	0.7	NA
S-4A	22-Jul-21	11:20:00 AM	16.86	7.22	73.9	100	6.99	1.8	NA
S-4A	2021 other dates	NA	EQUIPMENT FAILURE						NA
S-4A	27-Apr-22	10:50:00 AM	13.45	7.03	67.7	160	7	1.6	NA
S-4A	01-Jun-22	9:40:00 AM	19.15	3.41	36.7	186	6.72	2.1	NA
S-4A	13-Jul-22	10:45:00 AM	23.91	5.28	63.4	120	7.05	0.6	NA
S-4A	29-Mar-23	9:00:00 AM	6.97	8.96	76.3	292	6.07	1.1	NA
S-4A	25-Apr-23	8:50:00 AM	12.83	8.95	81.1	178	7.09	2.1	NA
S-4A	09-May-23	9:15:00 AM	15.18	7	70	302	6.37	9.5	NA

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Surface Water Sampling

Field Data

Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)
S-4A	11-Jul-23	8:25:00 AM	21.29			66	6.28	2.4	NA
S-4A	08-Aug-23	8:25:00 AM	21.57	7.19	86.6	77	6.8	0.5	NA
S-4B	03-Jun-99	1:45:00 PM	25	8.6	104.1	NM	NM	NM	NM
S-4B	03-Jun-99	7:50:00 AM	20	10.8	118.8	NM	NM	NM	NM
S-4B	22-Jun-99	7:50:00 AM	18	8	84.5	NM	NM	NM	NM

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Surface Water Sampling

Field Data

Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)
S-4B	19-Jul-99	8:05:00 AM	25	6.8	82.3	NM	NM	NM	NM
S-4B	18-Aug-99	8:00:00 AM	23.5	4.2	49.4	NM	NM	NM	NM
S-4B	28-Sep-99	8:30:00 AM	16.3	8.96	91.4	NM	NM	NM	NM
S-4B	18-Nov-99	8:05:00 AM	3.8	11.42	86.7	73	6	NM	na
S-4B	18-Nov-99	10:25:00 AM	4.2	11.36	87.1	77	6.4	NM	NM
S-4B	22-Feb-00	8:25:00 AM	5.45	11.98	94.9	NM	NM	NM	NM
S-4B	22-Feb-00	10:00:00 AM	3.5	12.8	94.9	96	5.9	3	NM
S-4B	28-Feb-01	7:45:00 AM	3.3	12.58	94.2	52.3	NM	NM	NM
S-4B	28-Feb-01	9:52:00 AM	3.41	12.99	97.6	53	6.72	NM	NM
S-4B	26-Jul-01	8:40:00 AM	24.68	6.85	82.4	NM	NM	NM	NM
S-4B	06-Aug-02	5:30:00 PM	25	10.2	123.4	NM	NM	NM	NM
S-4B	06-Aug-02	7:06:00 AM	24.8	5.76	69.4	NM	NM	NM	NM
S-4B	01-Oct-02	1:30:00 PM	16.02	4.53	45.9	---	---	---	---
S-4B	01-Oct-02	7:46:00 AM	16.02	4.56	46.2	---	---	---	---
S-4B	14-Nov-02	6:59:00 AM	9.21	9.86	85.7	---	---	---	---
S-4B	14-Nov-02	12:35:00 PM	10.1	12.12	107.6	---	---	---	---
S-4B	26-Mar-03	7:10:00 AM	7.97	11.4	96.2	---	---	---	---
S-4B	26-Mar-03	11:45:00 AM	10.35	12.03	107.5	0.17	7.57	---	---
S-4B	03-Jun-03	7:30:00 AM	14.28	9.47	92.5	---	---	---	---
S-4B	03-Jun-03	3:02:00 PM	19.55	10.77	117.4	---	---	---	---
S-4B	24-Jun-03	7:32:00 AM	15.91	8.39	84.8	---	---	---	---
S-4B	24-Jun-03	5:27:00 PM	23.94	8.46	100.4	0.082	6.72	4.07	---
S-4B	17-Jul-03	12:58:00 PM	23	8.49	99	---	---	---	---
S-4B	17-Jul-03	7:15:00 AM	20.94	5.5	61.6	---	---	---	---
S-4B	27-Aug-03	2:07:00 PM	24.5	9.07	108.7	---	---	---	---
S-4B	27-Aug-03	7:26:00 AM	21.16	6.95	78.2	---	---	---	---
S-4B	18-Sep-03	7:32:00 AM	17.63	8.4	88.1	---	---	---	---
S-4B	18-Sep-03	2:08:00 PM	20.39	9.31	103.2	---	---	---	---
S-4B	11-Nov-03	7:40:00 AM	4.4	11.26	86.8	---	---	---	---
S-4B	11-Nov-03	2:04:00 PM	5.7	11.52	91.8	---	---	---	---
S-4B	20-May-04	7:55:00 AM	15.74	8.65	87.2	---	---	---	---
S-4B	26-Jul-04	1:00:00 PM	20.38	8.97	99.4	---	---	---	---
S-4B	26-Jul-04	7:35:00 AM	18.46	7.38	78.7	---	---	---	---
S-4B	02-Mar-06	6:30:00 AM	3.03	13.84	102.9	98	6.62	2.7	NM
S-4B	06-Mar-06	9:30:00 AM	2.88	13.62	100.9	112	6.31	2.2	NM
S-4B	13-Jul-06	8:53:00 AM	22.43	7.18	82.9	101	6.31	1.2	NM
S-4B	14-Jul-06	6:44:00 AM	19.12	7.45	80.6	99	6.25	1.8	NM
S-4B	07-Aug-06	8:33:00 AM	21.71	9.24	105	95	6.24	1.7	NM
S-4B	19-Sep-06	9:45:00 AM	18.68	8.28	91.8	NM	6.6	1.3	NM
S-4B	06-Aug-07	8:52:00 AM	21.7	7.74	88	100	6.01	0	NM

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Surface Water Sampling
Field Data

Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)
S-5A	03-Jun-99	7:35:00 AM	NM	8.5	NM	NM	NM	NM	NM
S-5A	03-Jun-99	9:30:00 AM	22.8	9.8	113.8	110	6.82	3.15	NA
S-5A	22-Jun-99	7:40:00 AM	18	7.5	79.2	NM	NM	NM	NM
S-5A	19-Jul-99	7:45:00 AM	26.8	7.7	96.3	NM	NM	NM	NA
S-5A	18-Aug-99	7:45:00 AM	24	808	104.5	NM	NM	NM	NA
S-5A	18-Aug-99	9:30:00 AM	25	7.4	89.6	105	6.94	2.27	NA
S-5A	28-Sep-99	8:15:00 AM	16.8	8.9	91.7	NM	NM	NM	NA
S-5A	18-Nov-99	7:45:00 AM	4.2	11.66	89.4	86	6.38	NM	NA
S-5A	18-Nov-99	10:00:00 AM	3.8	11.72	88.9	89	6.58	NM	NA
S-5A	22-Feb-00	4:15:00 PM	4.7	NM	NM	381	6.81	4	NA
S-5A	22-Feb-00	8:54:00 AM	2.7	12.9	95.1	NM	NM	NM	NA
S-5A	28-Feb-01	9:15:00 AM	3.92	12.68	96.5	111	6.85	2.65	NM
S-5A	28-Feb-01	7:26:00 AM	3.9	12.65	9.2	110.1	NM	NM	NM
S-5A	26-Jul-01	9:08:00 AM	25.88	6.26	77	NM	NM	NM	NM
S-5A	06-Aug-02	7:42:00 AM	25.6	7.21	88.2	NM	NM	NM	NM
S-5A	06-Aug-02	5:08:00 PM	25	8.8	106.5	NM	NM	NM	NM
S-5A	01-Oct-02	7:56:00 AM	16.81	4.14	42.7	---	---	---	---
S-5A	01-Oct-02	3:45:00 PM	20.03	10.65	117.2	---	---	---	---
S-5A	14-Nov-02	1:15:00 PM	8.49	9.3	79.5	---	---	---	---
S-5A	14-Nov-02	7:42:00 AM	9.04	11.34	989.2	---	---	---	---
S-5A	26-Mar-03	7:20:00 AM	8.4	11.77	100.4	---	---	---	---
S-5A	26-Mar-03	12:15:00 PM	10.82	12.65	114.2	---	---	---	---
S-5A	03-Jun-03	3:10:00 PM	18.78	9.74	104.5	---	---	---	---
S-5A	03-Jun-03	8:15:00 AM	15.59	8.35	83.9	---	---	---	---
S-5A	24-Jun-03	5:35:00 PM	23.55	7.28	85.8	---	---	---	---
S-5A	24-Jun-03	7:36:00 AM	16.68	1.94	19.9	---	---	---	---
S-5A	17-Jul-03	1:12:00 PM	24.87	8.61	103.9	---	---	---	---
S-5A	17-Jul-03	7:20:00 AM	22.43	7.51	86.6	---	---	---	---
S-5A	27-Aug-03	7:40:00 AM	22.04	8.37	95.8	---	---	---	---
S-5A	27-Aug-03	2:17:00 PM	24.4	10.5	125.7	0.11	6.52	2.1	---
S-5A	18-Sep-03	2:18:00 PM	21.9	9.61	109.7	118	7.75	5.51	---
S-5A	18-Sep-03	7:44:00 AM	20.21	7.05	77.9	---	---	---	---
S-5A	11-Nov-03	4:04:00 AM	11.58	89.3	---	---	---	---	---
S-5A	11-Nov-03	2:10:00 PM	5.5	11.52	91.4	---	---	---	---
S-5A	16-Mar-04	8:15:00 AM	5.88	---	---	156	7.92	1.13	---
S-5A	26-Jul-04	12:50:00 PM	21.78	9.49	108.1	---	---	---	---
S-5A	26-Jul-04	8:10:00 AM	19.8	7.32	80.2	---	---	---	---
S-5B	28-May-98	9:00:00 AM	17.1	9.3	96	400	6.6	2.4	NA
S-5B	29-Jun-98	10:30:00 AM	20	8.8	96	105	6.4	2.4	NA

S-5
Surface Water Sampling
Field Data

Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)
S-5B	04-Aug-98	10:30:00 AM	17.2	9.5	99	145	7.3	1.6	NA
S-5B	25-Aug-98	9:00:00 AM	23.1	7.8	91	100	6.5	NM	NA
S-5B	18-Sep-98	11:20:00 AM	19.9	9.7	94	NM	6.9	0.7	NM
S-5B	20-Nov-98	10:45:00 AM	7.7	11.9	100	135	7.4	2.1	NA
S-5B	24-Feb-99	9:45:00 AM	3.9	15	88	100	6.9	3.2	NA
S-5B	03-Jun-99	7:35:00 AM	NM	10.5	NM	NM	NM	NM	NM
S-5B	22-Jun-99	9:38:00 AM	21	9.5	106	285	7.05	3.67	NA
S-5B	22-Jun-99	7:40:00 AM	18	8	84.5	NM	NM	NM	NA
S-5B	19-Jul-99	7:45:00 AM	26.8	7.75	96.9	NM	NM	NM	NA
S-5B	18-Aug-99	7:45:00 AM	24	808	104.5	NM	NM	NM	NA
S-5B	28-Sep-99	8:15:00 AM	16.81	9	92.8	NM	NM	NM	NA
S-5B	18-Nov-99	10:00:00 AM	3.9	11.78	NM	90	6.63	NM	NA
S-5B	18-Nov-99	7:45:00 AM	3.9	11.64	88.6	87	6.1	NM	NA
S-5B	22-Feb-00	8:54:00 AM	2.4	11.66	85.2	242	6.33	3	NA
S-5B	28-Feb-01	9:15:00 AM	3.91	12.72	96.8	111	6.91	NM	NM
S-5B	28-Feb-01	7:22:00 AM	4	12.74	97.2	109.9	NM	NM	NM
S-5B	26-Jul-01	9:04:00 AM	25.87	7.94	97.6	NM	NM	NM	NM
S-5B	06-Aug-02	3:45:00 AM	25	8.92	107.9	109.9	7.54	1.72	NM
S-5B	06-Aug-02	7:44:00 AM	25.5	7.3	89.2	NM	NM	NM	NM
S-5B	01-Oct-02	3:45:00 PM	20.1	10.87	119.8	105	6.4	2.39	---
S-5B	01-Oct-02	7:57:00 AM	16.8	4.46	46	---	---	---	---
S-5B	14-Nov-02	1:20:00 PM	8.38	10.86	92.5	741	6.62	2.36	---
S-5B	14-Nov-02	7:38:00 AM	9.03	11.43	98.9	---	---	---	---
S-5B	26-Mar-03	12:15:00 PM	10.84	12.73	115	0.263	7.51	---	---
S-5B	26-Mar-03	7:23:00 AM	8.41	11.05	94.2	---	---	---	---
S-5B	03-Jun-03	3:15:00 PM	18.74	9.66	103.6	0.162	7.5	3.26	---
S-5B	03-Jun-03	8:15:00 AM	15.69	8.63	86.9	---	---	---	---
S-5B	24-Jun-03	5:37:00 PM	23.51	7.43	87.5	0.094	6.54	3.42	---
S-5B	24-Jun-03	7:38:00 AM	16.64	1.51	15.5	---	---	---	---
S-5B	17-Jul-03	1:14:00 PM	24.85	8.57	103.4	0.109	6.61	2.74	---
S-5B	17-Jul-03	7:25:00 AM	22.45	7.57	87.3	---	---	---	---
S-5B	27-Aug-03	7:42:00 AM	22.1	8.24	94.4	---	---	---	---
S-5B	27-Aug-03	2:14:00 PM	24.5	10.14	121.6	---	---	---	---
S-5B	18-Sep-03	7:47:00 AM	20.2	7.12	78.6	---	---	---	---
S-5B	18-Sep-03	2:21:00 PM	21.9	9.6	109.6	---	---	---	---
S-5B	11-Nov-03	2:14:00 PM	5.4	11.05	87.4	126	6.23	4.18	---
S-5B	11-Nov-03	7:48:00 AM	4.4	11.58	89.3	---	---	---	---
S-5B	20-May-04	8:50:00 AM	17.42	8.05	84	149	5.64	3.36	---
S-5B	23-Jun-04	8:35:00 AM	21.17	8.64	97.2	136	6.87	1.33	---

S-5
Surface Water Sampling
Field Data

Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)
S-5B	26-Jul-04	12:52:00 PM	21.78	9.4	107	155	5.15	1.26	---
S-5B	26-Jul-04	8:15:00 AM	19.81	7.38	80.9	---	---	---	---
S-5B	02-Mar-06	6:05:00 AM	3.57	14.32	108	156	6.7	3.1	NM
S-5B	06-Mar-06	8:43:00 AM	3.56	13.5	101.9	158	6.35	3.7	NM
S-5B	13-Jul-06	8:20:00 AM	23.25	7.35	86.1	148	6.57	1.1	NM
S-5B	14-Jul-06	6:16:00 AM	21.42	6.82	77.2	141	6.44	1	NM
S-5B	07-Aug-06	8:07:00 AM	23.36	10.89	127.8	140	6.6	1	NM
S-5B	19-Sep-06	9:05:00 AM	19.65	8.98	102.9	NM	6.93	1.5	NM
S-5B	30-Oct-06	8:48:00 AM	8.13	10	84.7	98	6.87	NM	NM
S-5B	10-Apr-07	9:10:00 AM	7.64	15.78	132.1	98	6.11	1.6	NM
S-5B	09-Jul-07	10:05:00 AM	23.34	6.68	78.5	167	6.94	0	NM
S-5B	06-Aug-07	8:13:00 AM	24.31	10.73	128.3	157	6.02	0	NM
S-5B	12-Sep-07	8:25:00 AM	18.72	7.77	83.3	124	6.08	0.4	NM
S-5B	04-Oct-07	9:10:00 AM	17.75	12.95	126.2	122	6.93	0.6	NM
S-5B	10-Apr-08	8:45:00 AM	10.25	13	119.3	105	6.88	N/A	NM
S-5B	13-Apr-09	11:13:00 AM	7.7	11.41	95.8	157	6.53	NA	NM
S-5B	28-Apr-10	12:45:00 PM	11.43	10.71	98.1	163	6.98	E-failure	NM
S-5B	27-Jul-10	8:22:00 AM	23.74	7.79	92.1	159	NA	NA	NM
S-5B	26-Aug-10	8:15:00 AM	17.87	7.82	82.5	175	6.28	1	NM
S-5B	21-Sep-10	10:40:00 AM	17.11	170	9.29	96.4	7.08	E-failure	NM
S-5B	20-Apr-11	8:45:00 AM	11.09	10.24	93.1	182	6.61	0.8	NM
S-5B	24-May-11	7:50:00 AM	15.83	9.23	93.2	183	E-failure	1.6	NM
S-5B	13-Jun-11	8:20:00 AM	16.23	7.68	78.2	166	5.9	2.4	NM
S-5B	26-Jul-11	9:30:00 AM	22.96	5.81	67.7	194	6.34	2.4	NM
S-5B	12-Sep-11	10:00:00 AM	19.53	6.45	70.3	163	6.22	0	NM
S-5B	27-Mar-12	8:30:00 AM	6.22	11.29	91.2	178	6.16	E-Failure	NM
S-5B	19-Jun-12	9:00:00 AM	18.62	9.84	105.4	533	10.46	0.5	NM
S-5B	19-Jul-12	9:15:00 AM	25.62	5.39	66	207	6.44	0.6	NM
S-5B	29-Aug-12	9:00:00 AM	22.9	7.55	87.8	167	6.39	0.1	NM
S-5B	03-Oct-12	10:45:00 AM	16.89	9.08	93.8	134	6.32	0.8	NM
S-5B	02-Apr-13	10:20:00 AM	9.76	11.59	102.2	773	5.96	1.5	NM
S-5B	21-May-13	9:10:00 AM	20.31	8.45	93.5	305	6	2.4	NM
S-5B	18-Jun-13	8:30:00 AM	21.11	8.97	100.9	236	E-Failure	E-Failure	NM
S-5B	29-Aug-13	10:30:00 AM	21.27	7.48	84.4	244	6.92	2.6	NM
S-5B	03-Oct-13	10:10:00 AM	17.88	9.29	98	241	6.85	0.1	NM
S-5B	01-Apr-14	10:10:00 AM	4.69	12.13	95.4	751	6.76	5	NM
S-5B	09-Jun-14	10:15:00 AM	21.93	8.58	97.6	227	6.65	3.3	NM
S-5B	05-Aug-14	11:30:00 AM	23.51	9.33	108.7	220	6.91	1.4	NM
S-5B	25-Sep-14	8:15:00 AM	17.3	8.62	88.3	218	6.13	0.8	NM

S-5
Surface Water Sampling
Field Data

Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)
S-5B	15-Oct-14	9:00:00 AM	16	8.76	88.1	198	6.97	0.2	NM
S-5B	30-Apr-15	9:05:00 AM	13	11.2	107	361	6.48	6.3	NM
S-5B	28-May-15	9:25:00 AM	20.76	8.59	94.7	333	6.28	4.6	NM
S-5B	23-Jun-15	9:30:00 AM	22.83	5.25	60.5	262	5.86	0.7	NM
S-5B	22-Jul-15	1:20:00 PM	27.32	8.26	104.5	289	6.5	0.2	NM
S-5B	02-Sep-15	10:00:00 AM	24.02	8.52	100.5	244	6.75	0.2	NM
S-5B	21-Apr-16	9:20:00 AM	12.73	11.72	109.9	243	6.92	4.5	NM
S-5B	20-Jun-16	9:20:00 AM	21.81	7.36	82	247	6.48	0.5	NM
S-5B	18-Jul-16	10:00:00 AM	26.6	7.49	91.7	259	6.27	2.4	NM
S-5B	25-Aug-16	10:15:00 AM	23.8	7.1	82.4	125	6.29	3.2	NM
S-5B	22-Sep-16	11:10:00 AM	21.43	8.55	95.4	207	7.32	1.3	NM
S-5B	04-May-17	10:20:00 AM	15.44	10	99	147	7.17	0.2	NM
S-5B	30-May-17	11:15:00 AM	15.73	7.66	76.3	308	6.68	3.1	NM
S-5B	28-Jun-17	11:20:00 AM	22.44	7.89	89.5	186	6.79	2.7	NM
S-5B	10-Aug-17	11:30:00 AM	22.9	9.02	103	136	7	2.6	NM
S-5B	04-Oct-17	11:30:00 AM	16.1	10.73	106.6	163	6.83	1.8	NM
S-5B	30-Apr-18	9:50:00 AM	13.73	10.66	103	282	7.14	0.8	NM
S-5B	21-Jun-18	11:00:00 AM	24.13	4.59	46.3	253	6.82	4.3	NM
S-5B	19-Jul-18	10:15:00 AM	25.66	NA	NA	298	6.38	1.7	NM
S-5B	23-Aug-18	11:00:00 AM	21.93	6.8	78	207	6.73	0	NM
S-5B	01-Oct-18	10:50:00 AM	17.56	8.29	88	198	6.81	0	NM
S-5B	29-Apr-19	10:15:00 AM	12.05	10.82	99	207	6.58	1.6	NM
S-5B	27-Jun-19	9:50:00 AM	21.76	7.75	87.2	190	5.74	0	NM
S-5B	14-Aug-19	10:00:00 AM	21.87	7.75	90.4	181	6.64	0.7	NM
S-5B	28-Aug-19	10:00:00 AM	20.81	8.23	91.3	222	6.68	0.6	NM
S-5B	18-Sep-19	10:30:00 AM	17.86	8.63	100.5	130	7	0	NM
S-5B	2020	NA	EQUIPMENT FAILURE						NA
S-5B	20-May-21	10:50:00 AM	18.91	8.54	89.9	Equipment Failure	7.29	2.1	na
S-5B	22-Jul-21	11:00:00 AM	19.27	8.73	94.5	493	6.74	2.2	na
S-5B	2021 other dates	NA	EQUIPMENT FAILURE						NA
S-5B	27-Apr-22	10:30:00 AM	14	7.89	77.3	221	7.11	2.1	NA
S-5B	01-Jun-22	9:30:00 AM	21.78	7.21	81.6	230	7.55	2.1	NA
S-5B	13-Jul-22	10:35:00 AM	25.27	7.26	87.9	292	7.14	2.5	NA
S-5B	29-Mar-23	8:50:00 AM	6.57	14.53	123.8	248	6.7	2.1	NA
S-5B	25-Apr-23	8:30:00 AM	13.57	10.72	101.9	174	7.12	1.4	NA
S-5B	09-May-23	9:05:00 AM	17.94	10.17	106.7	167	6.55	2.1	NA
S-5B	11-Jul-23	8:15:00 AM	23.44			169	6.17	0.4	NA
S-5B	08-Aug-23	8:15:00 AM	22.79	8.56	99.4	123	6.57	2.1	NA

S-6 Surface Water Sampling Field Data									
Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)
S-6A	28-May-98	5:00:00 PM	17	10.9	112	72	5.6	6.2	NA
S-6A	29-Jun-98	3:20:00 PM	21.5	9.2	1.05	70	5.6	4.2	NA
S-6A	04-Aug-98	3:20:00 PM	18	10.2	107	65	5.9	1.2	NA
S-6A	25-Aug-98	3:30:00 PM	18.7	9.6	104	61	6.2	NM	NA
S-6A	18-Sep-98	4:15:00 PM	17.4	12.1	79	NM	6.7	0.6	NA
S-6A	20-Nov-98	4:25:00 PM	11.3	6.2	178	56	6.1	2.5	NA
S-6A	24-Feb-99	1:50:00 PM	3.1	14.9	90	49	6.8	4.2	NA
S-6A	03-Jun-99	8:05:00 AM	NM	6.9	NM	NM	NM	NM	NM
S-6A	22-Jun-99	7:48:00 AM	13.5	7.7	73.9	NM	NM	NM	NA
S-6A	19-Jul-99	7:50:00 AM	16.8	6.6	68	NM	NM	NM	NA
S-6A	19-Jul-99	11:45:00 AM	18.6	7.41	79.2	65	5.73	3.1	NA
S-6A	18-Aug-99	2:55:00 PM	23.1	9.7	113.3	59	7.11	2.27	NA
S-6A	18-Aug-99	4:50:00 PM	23	10	116.6	NM	NM	NM	NA
S-6A	18-Aug-99	8:45:00 AM	18.5	6.8	72.6	NM	NM	NM	NA
S-6A	18-Aug-99	3:50:00 PM	NM	NM	NM	NM	NM	NM	NA
S-6A	28-Sep-99	11:15:00 AM	13.82	9.64	93.2	32	6.51	2.97	NA
S-6A	28-Sep-99	7:21:00 AM	12.8	8.8	83.1	NM	NM	NM	NA
S-6A	17-Nov-99	8:12:00 AM	3.31	10	74.9	NM	NM	NM	NA
S-6A	18-Nov-99	11:30:00 AM	4.7	9.26	71.9	63	5.95	NM	NA
S-6A	18-Nov-99	9:00:00 AM	4.3	9.06	69.7	63	5.6	NM	NA
S-6A	22-Feb-00	9:10:00 AM	4.1	12.32	94.2	NM	NM	NM	NM
S-6A	22-Feb-00	---	1.7	11.6	83.2	67	6.29	1.05	NA
S-6A	28-Feb-01	3:16:00 PM	5.35	10.52	83.1	50	6.5	NM	NM
S-6A	28-Feb-01	7:18:00 AM	4.2	10.45	80.1	NM	NM	NM	NM
S-6A	26-Jul-01	8:33:00 AM	16.6	4.55	46.7	NM	NM	NM	NM
S-6A	06-Aug-02	2:45:00 PM	20.4	8.5	94.2	NM	NM	NM	NM
S-6A	06-Aug-02	7:07:00 AM	20.2	7.08	7.2	NM	NM	NM	NM
S-6A	01-Oct-02	7:37:00 AM	14.11	7.13	69.4	---	---	---	---
S-6A	01-Oct-02	12:30:00 PM	14.23	2.67	26	115	6.33	9.94	---
S-6A	14-Nov-02	7:14:00 AM	8.47	12.99	110.9	---	---	---	---
S-6A	14-Nov-02	1:45:00 PM	10	9.22	81.7	60	6.61	3.97	---
S-6A	26-Mar-03	7:07:00 AM	8.28	13.72	116.6	---	---	---	---
S-6A	26-Mar-03	12:00:00 PM	11.25	11.02	99.9	0.131	7.53	---	---
S-6A	03-Jun-03	11:45:00 AM	16.47	10.71	99.9	1.13	6.85	1.98	---
S-6A	03-Jun-03	7:28:00 AM	10.83	7.8	70.5	---	---	---	---
S-6A	24-Jun-03	7:18:00 AM	12.78	1.72	16.2	---	---	---	---
S-6A	24-Jun-03	11:45:00 AM	15.3	2.03	20.3	0.074	6.61	2.48	---
S-6A	17-Jul-03	7:11:00 AM	15.53	4.14	41.5	---	---	---	---
S-6A	17-Jul-03	12:24:00 PM	17.37	10.21	106.5	0.073	6.09	3.42	---
S-6A	27-Aug-03	7:22:00 AM	18.45	3.18	33.9	---	---	---	---
S-6A	27-Aug-03	1:25:00 PM	22.4	11.03	127.1	0.079	6.42	2.37	---

S-6 Surface Water Sampling Field Data									
Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)
S-6A	18-Sep-03	1:28:00 PM	16.09	10.47	106.3	90	7.1	3.18	---
S-6A	18-Sep-03	7:50:00 AM	14.85	8.26	81.6	---	---	---	---
S-6A	11-Nov-03	1:22:00 PM	5.4	8.54	67.6	80	6.15	2.77	---
S-6A	11-Nov-03	7:20:00 AM	4.5	9.13	70.6	---	---	---	---
S-6A	16-Mar-04	10:15:00 AM	5.58	9.32	74.1	86	7.96	1.65	---
S-6A	20-May-04	10:45:00 AM	13.96	7.51	72.8	96	5.43	4.66	---
S-6A	20-May-04	7:35:00 AM	12.52	6.22	58.4	---	---	---	---
S-6A	23-Jun-04	7:30:00 AM	15.76	4.22	42.5	---	---	---	---
S-6A	23-Jun-04	---	17.61	9.47	99.2	80	6.43	2.21	---
S-6A	26-Jul-04	7:30:00 AM	15.76	4.22	42.5	---	---	---	---
S-6A	26-Jul-04	1:53:00 PM	19.46	10.45	113.7	96	6.47	2.01	---
S-6A	02-Mar-06	8:06:00 AM	5.61	11.23	89.4	94	6.33	9.9	NM
S-6A	06-Mar-06	2:38:00 PM	10.32	E-failure	E-failure	93	6.14	2.7	NM
S-6A	13-Jul-06	12:42:00 PM	15.2	9.25	92.2	89	6.11	2.6	NM
S-6A	14-Jul-06	8:32:00 AM	13.38	10.32	98.9	90	6.25	1.3	NM
S-6A	07-Aug-06	11:39:00 AM	17.07	10.85	112.4	75	6.03	1.2	NM
S-6A	20-Sep-06	10:25:00 AM	16.19	8.08	82.3	69	5.95	2.3	NM
S-6A	30-Oct-06	11:05:00 AM	7.83	7.79	65.5	63	5.9	NM	NM
S-6A	09-Jul-07	12:45:00 PM	15.9	9.83	99.4	78	6.67	1.9	NM
S-6A	06-Aug-07	12:32:00 PM	16.46	14.57	148.9	78	6.74	0.5	NM
S-6A	12-Sep-07	10:30:00 AM	14.3	9.21	90	80	5.96	0	NM
S-6A	04-Oct-07	11:35:00 AM	15.48	12.09	121.1	81	6.69	3.5	NM
S-6A	10-Apr-08	11:15:00 AM	13.28	12.05	115.3	68	6.43	N/A	NM
S-6A	13-Apr-09	1:38:00 PM	13.61	11.04	106.1	97	6.54	NA	NM
S-6A	28-Apr-10	Area under construction							
S-6A	27-Jul-10	10:10:00 AM	18.3	8.7	92.4	88	NA	1.4	NM
S-6A	26-Aug-10	9:35:00 AM	16.71	8.35	85.9	89	6.22	1.6	NM
S-6A	21-Sep-10	12:10:00 PM	13.82	102	9.52	92	6.51	E-failure	NM
S-6A	20-Apr-11	10:50:00 AM	9.5	11.02	96.4	89	6.83	0.1	NM
S-6A	24-May-11	9:00:00 AM	14.71	8.71	85.8	89	6.4	1.7	NM
S-6A	13-Jun-11	10:45:00 AM	14.47	8.84	86.7	87	6.31	1.6	NM
S-6A	26-Jul-11	12:15:00 PM	19	8.8	95.3	96	6.9	1.1	NM
S-6A	12-Sep-11	11:30:00 AM	16.28	8.63	88.9	93	6.17	0	NM
S-6A	27-Mar-12	10:00:00 AM	4.37	13.69	105.6	100	6.6	E-Failure	NM
S-6A	19-Jun-12	10:00:00 AM	14.96	8.92	88.3	96	8.15	0.2	NM
S-6A	19-Jul-12	10:30:00 AM	18.92	6.64	71.4	104	6.25	2.5	NM
S-6A	29-Aug-12	11:45:00 AM	18.09	7.76	82.2	96	6.03	1.1	NM
S-6A	03-Oct-12	11:45:00 AM	15.34	8.49	84.8	98	6.53	0.3	NM
S-6A	02-Apr-13	2:30:00 PM	10.99	10.84	98.3	96	6.43	2.5	NM
S-6A	21-May-13	11:10:00 AM	18.2	8.69	97.2	103	6.29	1.8	NM
S-6A	18-Jun-13	12:00:00 PM	19.45	9.6	104.5	99	E-Failure	E-Failure	NM

S-6 Surface Water Sampling Field Data										
Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)	
S-6A	29-Aug-13	12:00:00 PM	16.86	7.6	78.4	117	5.37	0.8	NM	
S-6A	03-Oct-13	12:00:00 PM	14.44	8.62	84.4	132	6.07	1.3	NM	
S-6A	01-Apr-14	11:55:00 AM	6.65	10.76	89.4	90	6.28	1.4	NM	
S-6A	09-Jun-14	11:30:00 AM	18.12	8.29	87.5	96	6.12	5.5	NM	
S-6A	05-Aug-14	12:20:00 PM	20.72	8.79	96.8	97	6.25	1.3	NM	
S-6A	25-Sep-14	9:25:00 AM	12.61	8.71	81	107	5.3	2.5	NM	
S-6A	15-Oct-14	10:05:00 AM	14.35	8.33	80.7	67	5.64	0	NM	
S-6A	30-Apr-15	10:35:00 AM	12.14	11.01	103.9	101	5.48	2.5	NM	
S-6A	28-May-15	10:30:00 AM	18.01	10.17	106.4	107	5.83	5	NM	
S-6A	23-Jun-15	10:45:00 AM	18.81	6.9	73.7	108	5.53	1.1	NM	
S-6A	22-Jul-15	2:30:00 PM	23.02	8.22	95.7	104	5.8	0.9	NM	
S-6A	02-Sep-15	11:45:00 AM	18.35	9.28	97.6	101	6.27	0.2	NM	
S-6A	21-Apr-16	11:15:00 AM	12.03	10.49	97.1	109	6.88	1	NM	
S-6A	20-Jun-16	10:55:00 AM	17.44	8.13	84.7	109	6.07	1.7	NM	
S-6A	18-Jul-16	11:50:00 AM	21.24	8.97	99.8	100	6.22	1.6	NM	
S-6A	25-Aug-16	1:35:00 PM	19.17	7.94	84.2		6.47	0.2	NM	
S-6A	22-Sep-16	12:30:00 PM	15.8	9.2	91.3	104	7.4	0.8	NM	
S-6A	04-May-17	12:10:00 PM	13.84	9.2	87.9	77	6.51	0.3	NM	
S-6A	30-May-17	12:30:00 PM	13.9	9.41	90.3	84	6.36	0.1	NM	
S-6A	28-Jun-17	12:35:00 PM	18.13	7.71	81.1	76	6.65	0.7	NM	
S-6A	10-Aug-17	12:50:00 PM	18.49	7.54	78.9	70	6.71	2.1	NM	
S-6A	04-Oct-17	1:15:00 PM	13.14	9.23	86.4	76	6.11	1	NM	
S-6A	30-Apr-18	11:20:00 AM	10.43	8.3	75.1	62	6.56	0.4	NM	
S-6A	21-Jun-18	12:20:00 PM	19.27	4.55	48.1	56	6.81	1.3	NM	
S-6A	19-Jul-18	11:25:00 AM	18.41	NA	NA	27	6.61	0.4	NM	
S-6A	23-Aug-18	12:20:00 PM	18.47	6.68	71	51	6.7	0.5	NM	
S-6A	01-Oct-18	12:05:00 PM	14.48	8.75	85.2	88	6.7	0	NM	
S-6A	29-Apr-19	12:15:00 PM	13.12	10.97	103.7	98	6.19	0.5	NM	
S-6A	27-Jun-19	11:35:00 AM	17.88	9.23	93.9	101	6.07	0	NM	
S-6A	14-Aug-19	11:05:00 AM	17.18	8.96	93.4	93	6.16	0.7	NM	
S-6A	28-Aug-19	11:30:00 AM	17.16	8.6	90	116	6.75	0	NM	
S-6A	18-Sep-19	12:05:00 PM	15.96	10.03	100.7	63	6.05	0	NM	
S-6A	2020	NA	EQUIPMENT FAILURE						NA	
S-6A	20-May-21	12:00:00 PM	16.33	6.59	65.1	Equipement Failure		7.41	1.6	na
S-6A	22-Jul-21	12:35:00 PM	14.88	5.15	50.5	0		7.8	0.6	na
S-6A	2021 other dates	NA	EQUIPMENT FAILURE						NA	
S-6A	27-Apr-22	12:10:00 PM	14.78	7.49	74.6	90	6.76	0.5	NA	
S-6A	01-Jun-22	11:00:00 AM	15.6	6.67	67	109	6.99	0.3	NA	
S-6A	13-Jul-22	11:45:00 AM	23.61	6.68	78	84	6.81	0	NA	
S-6A	29-Mar-23	9:40:00 AM	5.37	13.3	105.7	135	5.96	0	NA	
S-6A	25-Apr-23	9:15:00 AM	11.55	9.34	85.7	86	6.09	0.5	NA	

S-6

Surface Water Sampling

Field Data

Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)
S-6A	09-May-23	9:50:00 AM	13.28	10.22	100.1	63	6.06	0.1	NA
S-6A	11-Jul-23	9:10:00 AM	20.48	4.15	47.3	51	6.04	0.5	NA
S-6A	08-Aug-23	9:15:00 AM	20.75	7.23	81.9	41	6.83	0	NA
S-6B	03-Jun-99	8:08:00 AM	NM	8.6	NM	NM	NM	NM	NM
S-6B	22-Jun-99	7:48:00 AM	13.2	9.1	86.8	NM	NM	NM	NA
S-6B	19-Jul-99	7:50:00 AM	16.3	9.1	92.8	NM	NM	NM	NA

S-6
Surface Water Sampling
Field Data

Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)
S-6B	18-Aug-99	8:50:00 AM	18	8.6	90.8	NM	NM	NM	NA
S-6B	28-Sep-99	7:21:00 AM	12.8	10.4	98.3	NM	NM	NM	NA
S-6B	17-Nov-99	10:45:00 AM	NM	NM	NM	NM	NM	2	NA
S-6B	18-Nov-99	11:30:00 AM	4.7	11.27	87.6	63	6.08	NM	NA
S-6B	18-Nov-99	9:00:00 AM	4.3	11.63	89.4	62	5.79	NM	NA
S-6B	22-Feb-00	9:10:00 AM	3.9	12.32	93.7	NM	NM	NM	NA
S-6B	22-Feb-00	---	2.4	12.58	92	73	6.38	NM	NA
S-6B	28-Feb-01	7:22:00 AM	4.06	12.37	94.5	NM	NM	NM	NM
S-6B	28-Feb-01	3:16:00 PM	5.19	11.74	92.4	49	6.5	0.29	NM
S-6B	26-Jul-01	8:33:00 AM	16	6.26	63.4	NM	NM	NM	NM
S-6B	06-Aug-02	7:11:00 AM	19.5	9.17	99.9	NM	NM	NM	NM
S-6B	06-Aug-02	2:45:00 PM	19.7	9.11	99.6	33.4	7.22	5.55	NM
S-6B	01-Oct-02	7:34:00 AM	13.16	10.51	100.1	---	---	---	---
S-6B	01-Oct-02	12:35:00 PM	14.2	3.26	31.8	---	---	---	---
S-6B	14-Nov-02	7:12:00 AM	8.52	14.98	128.1	---	---	---	---
S-6B	14-Nov-02	1:47:00 PM	10	9.44	83.6	---	---	---	---
S-6B	26-Mar-03	7:09:00 AM	8.24	15.2	129.1	---	---	---	---
S-6B	26-Mar-03	12:00:00 PM	11.3	12.84	117.2	---	---	---	---
S-6B	03-Jun-03	12:00:00 PM	13.6	10.94	105.2	1.14	10.94	---	---
S-6B	03-Jun-03	7:30:00 AM	10.39	11.37	101.7	---	---	---	---
S-6B	24-Jun-03	11:48:00 AM	14.97	1.6	15.9	---	---	---	---
S-6B	24-Jun-03	7:20:00 AM	12.12	1.79	16.7	---	---	---	---
S-6B	17-Jul-03	12:17:00 PM	18.22	11.25	119.4	---	---	---	---
S-6B	17-Jul-03	7:14:00 AM	15	9.98	99	---	---	---	---
S-6B	27-Aug-03	7:24:00 AM	17.97	6.08	64.1	---	---	---	---
S-6B	27-Aug-03	1:30:00 PM	20.5	9.45	105	0.092	9.92	---	---
S-6B	18-Sep-03	1:26:00 PM	15.64	9.81	98.6	---	---	---	---
S-6B	18-Sep-03	7:55:00 AM	14.7	11.3	111.3	---	---	---	---
S-6B	11-Nov-03	1:30:00 PM	5.4	11.29	89.3	82	6.06	---	---
S-6B	11-Nov-03	7:20:00 AM	4.5	11.6	89.7	---	---	---	---
S-6B	20-May-04	7:40:00 AM	12.02	9.23	85.7	---	---	---	---
S-6B	23-Jun-04	7:35:00 AM	15.12	8.61	85.6	---	---	---	---
S-6B	26-Jul-04	1:50:00 PM	17.75	9.23	97	---	---	---	---
S-6B	26-Jul-04	7:35:00 AM	15.12	8.61	85.6	---	---	---	---
S-6B	02-Mar-06	8:00:00 AM	5.55	12.91	102.6	95	6.47	8.9	NM
S-6B	06-Mar-06	2:23:00 PM	9.82	E-failure	E-failure	93	6.04	4.9	NM
S-6B	13-Jul-06	12:32:00 PM	15.3	9.94	99.3	89	6.33	1.1	NM
S-6B	14-Jul-06	8:39:00 AM	13.49	9.03	86.7	89	6.01	1.1	NM
S-6B	07-Aug-06	11:48:00 AM	16.63	11.62	119.3	75	6.24	4.8	NM
S-6B	20-Sep-06	10:15:00 AM	16.17	9.68	98.5	67	6.52	3.8	NM
S-6B	06-Aug-07	12:42:00 PM	16.12	14.19	143.1	77	6.19	0	NM

S-9A
Surface Water Sampling
Field Data

Station ID	Date	Time	Temperature (C)	Dissolved Oxygen (mg/L)	% Saturated DO	Specific Conductivity (us/cm)	pH (SU)	Turbidity (NTU)	Secchi (ft)
S-9A	28-May-98	5:00:00 PM	17	10.9	112	72	5.6	6.2	NA
S-9A	03-Jun-99	---	AD	AD	AD	AD	AD	AD	AD
S-9A	22-Jun-99	---	AD	AD	AD	AD	AD	AD	AD
S-9A	19-Jul-99	---	AD	AD	AD	AD	AD	AD	AD
S-9A	18-Aug-99	---	AD	AD	AD	AD	AD	AD	AD
S-9A	28-Sep-99	---	AD	AD	AD	AD	AD	AD	AD
S-9A	22-Feb-00	---	8.7	9.5	81.6	83	5.83	1	NA
S-9A	28-Feb-01	1:19:00 PM	7.4	9.25	773	54.1	7.47	0.62	NM
S-9A	26-Jul-01	1:19:00 PM	15.08	9.03	89.7	327	5.97	1.78	NM
S-9A	06-Aug-02	10:00:00 AM	14.2	6.8	66.3	390	6.35	1.01	NM
S-9A	01-Oct-02	4:30:00 PM	13.38	0.8	7.7	111	6.21	1.32	---
S-9A	14-Nov-02	11:30:00 AM	10.02	10.19	90.3	68	7.25	1.31	---
S-9A	26-Mar-03	1:58:00 PM	12.46	10.27	96.3	133	7.34	1.16	---
S-9A	03-Jun-03	11:00:00 AM	14.89	8.99	88.9	1.159	6.36	1.77	---
S-9A	24-Jun-03	10:08:00 AM	14.19	7.08	69	0.084	6.11	6.78	---
S-9A	17-Jul-03	10:23:00 AM	15.52	7.38	74	0.075	5.85	2.74	---
S-9A	27-Aug-03	10:55:00 AM	15.9	6.83	69	0.084	6.83	3.31	---
S-9A	18-Sep-03	12:15:00 PM	15.11	8.85	88	96	6.79	5.71	---
S-9A	11-Nov-03	10:50:00 AM	7.81	8.38	70.4	90	5.6	1.43	---
S-9A	16-Mar-04	12:45:00 PM	7.6	11.89	99.4	1265	7.3	0.77	---
S-9A	20-May-04	12:35:00 PM	15.33	8.09	80.8	97	6.12	3.42	---
S-9A	23-Jun-04	12:15:00 PM	16.27	9.59	97.7	86	6.12	0.56	---
S-9A	26-Jul-04	12:45:00 PM	14.61	8.27	81.3	100	6.11	0.9	---
S-9A	02-Mar-06	7:33:00 AM	6.57	9.09	74.4	151	5.92	0.9	NM
S-9A	06-Mar-06	1:58:00 PM	8.9	E-failure	E-failure	149	5.72	1.1	NM
S-9A	13-Jul-06	11:33:00 AM	14.99	6.34	62.9	164	5.73	2.7	NM
S-9A	14-Jul-06	8:00:00 AM	13.57	6.8	65.3	163	5.78	1	NM
S-9A	07-Aug-06	10:57:00 AM	15.03	8.26	81.9	138	5.69	1.2	NM
S-9A	19-Sep-06	2:35:00 PM	14.94	7.34	77.7	NM	5.71	1.7	NM
S-9A	30-Oct-06	10:35:00 AM	9.6	6.23	54.8	135	5.85	NM	NM
S-9A	10-Apr-07	10:55:00 AM	9.24	11.79	102.8	118	5.76	0.4	NM
S-9A	09-Jul-07	11:54:00 AM	15.22	7.29	72.8	149	6.04	0	NM
S-9A	06-Aug-07	11:02:00 AM	15.27	11.69	116.3	152	6.24	13.2	NM
S-9A	12-Sep-07	9:50:00 AM	13.72	7.54	72.8	126	5.91	0	NM
S-9A	04-Oct-07	11:10:00 AM	13.54	9.87	95	150	6.36	0.1	NM
S-9A	10-Apr-08	10:33:00 AM	11.34	11.81	110.2	144	6.32	N/A	NM
S-9A	13-Apr-09	12:50:00 PM	11.02	11.25	102	208	6.19	NA	NM

Acess denied by property owner from this point forward