

Appendix A
Laboratory Analytical Data

StationName	Sample Type	Sample Collection Date	Ammonia as N mg/L	C10-C22 mg/L	C22-C36 mg/L	C6-C10 mg/L	Dissolved Phosphorus mg/L	Nitrate and Nitrite as N mg/L	Nitrate as N mg/L	Nitrite as N mg/L	Ortho - phosphate mg/L	Total Extractable Hydrocarbons (C6-C36) mg/L	Total Kjeldahl Nitrogen (TKN) mg/L	Total Nitrogen as N mg/L	Total Phosphorus mg/L	Total Suspended Solids mg/L	Turbidity NTU
DSC-MC1		04-Oct-10							0.17	0.01 U			0.31	0.48	0.25	4	7.9
DSC-MC1		24-Oct-10							0.27	0.01 U			0.31	0.58	0.088	190	54
DSC-MC1		14-Dec-10						0.25	0.25	0.01 U							140
DSC-MC1		02-Mar-11							0.17	0.01 U			0.7	0.87	0.19	250	220
DSC-MC1		06-Mar-11							0.23	0.01 U			0.62	0.85	0.19	240	120
DSC-MC1		28-Mar-11							0.59	0.01 U			0.055	0.65	0.048	15	13
DSC-MC1		11-Apr-11							0.49	0.01 U			0.1	0.59	0.051	11	7.3
DSC-MC1		25-May-11							0.01 U	0.025 U			1.4	1.4	0.33	640	230
DSC-MC2		14-Dec-10	0.05 U				0.03		0.012	0.01 U	0.028		0.27	0.28	0.099	3	1.3
DSC-MC2		18-Dec-10	0.05 U				0.036		0.04	0.01 U	0.046		0.05 U	0.07 U	0.058	11	2.8
DSC-MC2		17-Jan-11	0.05 U				0.025	0.01 U	0.01 U	0.01 U	0.012		0.16	0.16	0.024	1 U	0.35
DSC-MC2	DUP	17-Jan-11	0.05 U				0.03	0.01 U	0.01 U	0.01 U	0.011		0.08	0.08	0.022	1	0.42
DSC-MC2	TRIPLICATE	17-Jan-11	0.05 U				0.025	0.01 U	0.01 U	0.01 U	0.012		0.054	0.07 U	0.02	1 U	0.52
DSC-MC2		02-Mar-11	0.063				0.03		0.13	0.01 U	0.015		0.16	0.29	0.036	1 U	1.9
DSC-MC2		10-Mar-11	0.082				0.024		0.18	0.01 U	0.02		0.22	0.4	0.032	1 U	1.9
DSC-MC2		14-Mar-11	0.05 U				0.03		0.18	0.01 U	0.025		0.36	0.54	0.1	73	11
DSC-MC2		31-Mar-11	0.05 U				0.018		0.01 U	0.01 U	0.016		0.14	0.14	0.017	9	2.8
DSC-MC2		25-May-11	0.05 U				0.036		0.21	0.025 U	0.023		0.37	0.58	0.072	8	2.1
DSC-MC3		14-Dec-10	0.05 U				0.051		0.01 U	0.01 U	0.039		0.82	0.82	0.17	170	83
DSC-MC3		18-Dec-10	0.053				0.062		0.01 U	0.01 U	0.088		0.33	0.33	0.092	16	15
DSC-MC3		14-Mar-11	0.05 U				0.05		0.011	0.01 U	0.034		0.17	0.19	0.065	25	10
DSC-MC3		31-Mar-11	0.05 U				0.034		0.013	0.01 U	0.038		0.12	0.14	0.065	6	8.3
DSC-MC3		18-Apr-11	0.05 U				0.04		0.01 U	0.01 U	0.026		0.14	0.14	0.05	1	4.9
DSC-MC3		06-Jun-11	0.05 U				0.023		0.019	0.01 U	0.013		1.3	1.3	0.13	530	120
DSC-TC1		24-Feb-10					0.018		0.11	0.073	0.016		0.49	0.68	0.24	82	120
DSC-TC1		26-Feb-10					0.078		0.36	0.034	0.081		0.71	1.1	0.16	71	63
DSC-TC1		29-Mar-10					0.1		0.21	0.01 U	0.044		0.49	0.7	0.13	14	24
DSC-TC1		22-Apr-10					0.057		0.69	0.01 U	0.044		0.27	0.96	0.18	20	30
DSC-TC1		27-Apr-10					0.049		0.39	0.01 U	0.042		0.42	0.81	0.27	38	48
DSC-TC1		25-May-10					0.13		1.6	0.01 U	0.089		0.28	1.9	0.14	2	5.1
DSC-TC1	DUP	25-May-10					0.077		1.6	0.01 U	0.092		0.27	1.9	0.11	3	5
DSC-TC1		04-Oct-10							0.07	0.01 U			0.37	0.44	1.5	20	36
DSC-TC1		24-Oct-10							0.021	0.01 U			0.18	0.21	0.072	140	42
DSC-TC1		14-Dec-10						0.055	0.055	0.01 U			0.81	0.92	0.22	240	120
DSC-TC1		18-Dec-10						0.079	0.073	0.01 U			0.71	0.86	0.072	58	96
DSC-TC1		28-Dec-10							1.1	0.01 U			0.24	1.3	0.058	6	12
DSC-TC1		22-Feb-11							0.82	0.01 U			0.26	1.1	0.064	1	5.8
DSC-TC1	DUP	22-Feb-11							0.82	0.01 U			0.3	1.1	0.077	1 U	6.5
DSC-TC1	TRIPLICATE	22-Feb-11							0.82	0.01 U			0.35	1.2	0.067	1 U	5.9
DSC-TC1		06-Mar-11							0.7	0.01 U			0.28	0.98	0.054	34	29
DSC-TC1		14-Mar-11							0.64	0.01 U			0.6	1.2	0.13	150	100
DSC-TT1		05-Feb-10					0.01 U	0.22			0.037		3	3.2	0.44	1600	1300
DSC-TT1		24-Feb-10					0.058		0.12	0.1	0.068		1	1.2	0.12	270 J	990
DSC-TT1	DUP	24-Feb-10					0.045		0.11	0.073	0.07		1.2	1.4	0.14	480 J	940
DSC-TT1		26-Feb-10					0.084		0.28	0.045	0.1		2.9	3.3	0.26	2200	470
DSC-TT1		12-Mar-10					0.012		0.43	0.33	0.057		2.3	3.1	2	1500	770
DSC-TT1		29-Mar-10					0.055		0.15	0.01 U	0.092		0.39	0.54	0.076	33	58
DSC-TT1		22-Apr-10					0.028		0.12	0.015	0.042		1.5	1.7	0.42	470	400
DSC-TT1		27-Apr-10					0.081		0.14	0.01 U	0.084		1.7	1.9	1.5	1000	470
DSC-TT1		10-May-10					0.048		0.3	0.056	0.059		1.8	2.2	0.53	470	300
DSC-TT1		24-Oct-10							0.16	0.01 U			0.21	0.37	0.098	1300	300
DSC-TT1		14-Dec-10						0.031	0.031	0.01 U			2	2	0.63	1000	600
DSC-TT1		17-Jan-11						0.14	0.1	0.044			2.7	2.8	0.25	1200	620
DSC-TT1	DUP	17-Jan-11						0.13	0.094	0.038			2.7	2.9	0.27	1200	660
DSC-TT1		02-Mar-11							0.13	0.021			1.6	1.8	0.26	220	530
DSC-TT1		14-Mar-11							0.79	0.01 U			0.5	1.3	0.37	900	910
DSC-TT1		28-Mar-11							0.09	0.01 U			1.7	1.8	0.36	580	370
DSC-TT1		31-Mar-11		1 U	1.5	1 U					1.5						
DSC-TT1		20-Apr-11							0.16	0.01 U			1.3	1.4	0.46	1100	300
DSC-TT1		25-May-11							0.19	0.025 U			1.9	2.1	0.36	870	350
Quality Control	BB	12-Mar-10					0.01 U		0.01 U	0.01 U	0.01 U		0.05 U	0.07 U	0.01 U	1 U	0.1 U

Notes: U = not detected at concentration indicated; J = estimated value due to precision issue

StationName	Sample Type	Sample Collection Date	Ammonia as N	Dissolved Phosphorus	Nitrate and Nitrite as N	Ortho - phosphate	Total Kjeldahl Nitrogen (TKN)	TN	Total Phosphorus	Total Suspended Solids	Turbidity
		UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	NTU
DST-MC1		14-Dec-10	5	34	205	18	999	1204	186	82.24	37.2
DST-MC1		18-Dec-10	3	41	215	28	534	749	103	28	15.5
DST-MC1		15-Mar-11	4	24	88	18	376	464	94	37	19.3
DST-MC1		01-Apr-11	3	21	15	12	231	246	45	12	6.75
DST-MC1		05-May-11	1	26	4	19	219	223	47	6	7.25
DST-MC1		06-Jun-11	5	33	10	22	274	284	67	16.5	11.2
DST-MC1		29-Jun-11	4	33	7	20	275	282	51	4.8	3.2
DST-MC2		14-Dec-10	3	32	7	14	319	326	63	19.23	11.2
DST-MC2		18-Dec-10	4	33	13	13	233	246	50	12	11.2
DST-MC2		15-Mar-11	4	27	48	23	475	523	83	32	14.5
DST-MC2		01-Apr-11	2	25	6	14	202	208	48	12.67	9.95
DST-MC2		05-May-11	1	72	6	61	446	452	152	34	18
DST-MC2		06-Jun-11	4	30	8	17	192	200	50	13	10.3
DST-MC2		29-Jun-11	3	33	2	22	309	311	56	11.2	6.5
DST-MC3		14-Dec-10	10	52	29	34	872	901	154	60	27.25
DST-MC3		18-Dec-10	4	44	42	27	383	425	76	21	12.45
DST-MC3		15-Mar-11	6	33	48	26	377	425	100	25.61	12.4
DST-MC3		01-Apr-11	2	27	3	18	220	223	58	12.67	9.5
DST-MC3		05-May-11	2	35	5	28	218	223	68	14	10.25
DST-MC3		06-Jun-11	5	35	7	24	302	309	73	13.5	14.6
DST-MC3		29-Jun-11	2	40	3	31	337	340	68	8.4	7.75
DST-MC4		14-Dec-10	5	48	133	31	651	784	127	35.19	22.2
DST-MC4		18-Dec-10	3	31	83	20	394	477	64	14	8.75
DST-MC4		15-Mar-11	3	23	102	16	296	398	64	24	10.1
DST-MC4		01-Apr-11	1	18	37	9	241	278	47	11	6.25
DST-MC4		05-May-11	1	17	16	4	333	349	52	16	5.5
DST-MC4		06-Jun-11	4	23	61	11	329	390	59	14.5	10.1
DST-MC4		29-Jun-11	1	18	80	12	391	471	50	8.4	1.85
DST-MC5		14-Dec-10	4	41	99	21	515	614	114	37.5	23.5
DST-MC5		18-Dec-10	3	43	196	32	503	699	96	22	12.5
DST-MC5		15-Mar-11	3	28	90	20	305	395	57	17.07	9.95
DST-MC5		01-Apr-11	1	21	15	12	174	189	35	4.5	3.1
DST-MC5		05-May-11	3	22	5	16	149	154	35	3.5	4.1
DST-MC5		06-Jun-11	3	33	9	18	245	254	48	6.5	7.5
DST-MC5		29-Jun-11	2	31	7	21	243	250	48	4.4	3.1
DST-MC5	DUP	15-Mar-11	3	27	87	20	301	388	57	17.07	9.9
DST-MC5	TRIPLICATE	15-Mar-11	4	28	89	20	310	399	59	17.5	10
DST-MC6		14-Dec-10	6	31	246	10	645	891	104	33.85	25.25
DST-MC6		18-Dec-10	5	30	268	15	426	694	59	12	10.75
DST-MC6		15-Mar-11	3	13	126	8	281	407	42	14.63	7.5
DST-MC6		01-Apr-11	6	14	16	5	188	204	34	5.2	3.5
DST-MC6		05-May-11	4	25	4	9	403	407	40	2.5	3.25
DST-MC6		06-Jun-11	3	31	7	19	445	452	76	16.5	9.95
DST-MC6		29-Jun-11	2	30	2	21	717	719	93	11.6	6.5