APPENDIX D1

T4 SITE – WATER QUALITY RESULTS

Field Parameter Water Quality Results - T4 Site

Location ID	Sample ID	Sample Date	Depth	Chemical:	Dissolved oxygen (field)	pH (field)	Temperature (field)	Turbidity (field)
				Unit:	mg/L	su	deg C	NTU
				Depth Unit[1]				
T4-BG-01-080812	T4-BG-01A-080812	8/12/08 11:55	3	feet	8.06	7.16	21.08	5.8
T4-BG-01-080812	T4-BG-01B-080812	8/12/08 11:55	20	feet	7.99	7.2	20.85	5
T4-BG-01-080812	T4-BG-01C-080812	8/12/08 11:55	37	feet	7.8	7.2	20.82	7
T4-414-S-080812	T4-414-SA-080812	8/12/08 13:45	3	feet	8.72	7.22	21.42	2.9
T4-414-S-080812	T4-414-SB-080812	8/12/08 13:45	25	feet	7.96	7.2	20.87	4.3
T4-414-S-080812	T4-414-SC-080812	8/12/08 13:45	50	feet	7.62	7.16	20.79	12.8
T4-414-M-080812	T4-414-MA-080812	8/12/08 13:50	3	feet	8.67	7.27	21.6	3.2
T4-414-M-080812	T4-414-MB-080812	8/12/08 13:50	25	feet	7.84	7.17	20.88	4.1
T4-414-M-080812	T4-414-MC-080812	8/12/08 13:50	49	feet	7.69	7.19	20.78	5.7
T4-414-N-080812	T4-414-NA-080812	8/12/08 14:00	3	feet	9.08	7.39	21.82	2.9
T4-414-N-080812	T4-414-NB-080812	8/12/08 14:00	25	feet	7.9	7.2	20.92	4.2
T4-414-N-080812	T4-414-NC-080812	8/12/08 14:00	46	feet	7.62	7.16	20.82	7.4
T4-414-E-080812	T4-414-EA-080812	8/12/08 14:06	3	feet	8.98	7.36	21.74	3.1
T4-414-E-080812	T4-414-EB-080812	8/12/08 14:06	25	feet	7.75	7.19	20.96	3.9
T4-414-E-080812	T4-414-EC-080812	8/12/08 14:06	48	feet	7.54	7.16	20.8	8.7
T4-BG-01-080813-R1	T4-BG-01A-080813-R1	8/13/08 9:50	3	feet	9.21	7.27	21.2	1.5
T4-BG-01-080813-R1	T4-BG-01B-080813-R1	8/13/08 9:50	20	feet	8.85	7.26	21.08	3.8
T4-BG-01-080813-R1	T4-BG-01C-080813-R1	8/13/08 9:50	37	feet	8.61	7.24	21.05	5.3
T4-S3C-E-080813-R1	T4-S3C-EA-080813-R1	8/13/08 10:30	3	feet	9.3	7.28	21.43	0.9
T4-S3C-E-080813-R1	T4-S3C-EB-080813-R1	8/13/08 10:30	20	feet	8.81	7.27	21.08	1.4
T4-S3C-E-080813-R1	T4-S3C-EC-080813-R1	8/13/08 10:30	39	feet	8.59	7.24	21.08	27
T4-S3C-N-080813-R1	T4-S3C-NA-080813-R1	8/13/08 10:40	3	feet	8.75	7.24	21.25	2.7
T4-S3C-N-080813-R1	T4-S3C-NB-080813-R1	8/13/08 10:40	23	feet	8.67	7.25	21.08	3.2
T4-S3C-N-080813-R1	T4-S3C-NC-080813-R1	8/13/08 10:40	43	feet	8.44	7.07	21.08	5.6
T4-S3C-M-080813-R1	T4-S3C-MA-080813-R1	8/13/08 10:45	3	feet	9.41	7.27	21.31	2.9
T4-S3C-M-080813-R1	T4-S3C-MB-080813-R1	8/13/08 10:45	22	feet	8.78	7.26	21.08	3.4
T4-S3C-M-080813-R1	T4-S3C-MC-080813-R1	8/13/08 10:45	40	feet	8.49	7.21	21.07	36
T4-S3C-S-080813-R1	T4-S3C-SA-080813-R1	8/13/08 10:55	3	feet	9.38	7.33	21.25	2.4
T4-S3C-S-080813-R1	T4-S3C-SB-080813-R1	8/13/08 10:55	20	feet	8.91	7.3	21.1	2.6
T4-S3C-S-080813-R1	T4-S3C-SC-080813-R1	8/13/08 10:55	37	feet	8.56	7.23	21.06	3.7
T4-S3M-S-080813-R1	T4-S3M-SA-080813-R1	8/13/08 11:50	3	feet	9.35	7.27	21.35	3.8
T4-S3M-S-080813-R1	T4-S3M-SB-080813-R1	8/13/08 11:50	27	feet	8.79	7.27	21.1	4.5
T4-S3M-S-080813-R1	T4-S3M-SC-080813-R1	8/13/08 11:50	52	feet	8.33	7.23	21.02	6.5
T4-S3M-M-080813-R1	T4-S3M-MA-080813-R1	8/13/08 11:55	3	feet	9.65	7.4	21.66	3.1
T4-S3M-M-080813-R1	T4-S3M-MB-080813-R1	8/13/08 11:55	23	feet	8.7	7.25	21.09	3.7
T4-S3M-M-080813-R1	T4-S3M-MC-080813-R1	8/13/08 11:55	53	feet	8.35	7.19	21.04	6.7
T4-S3M-E-080813-R1	T4-S3M-EA-080813-R1	8/13/08 12:00	3	feet	9.58	7.38	21.39	3.8
T4-S3M-E-080813-R1	T4-S3M-EB-080813-R1	8/13/08 12:00	30	feet	8.7	7.27	21.05	4.8
T4-S3M-E-080813-R1	T4-S3M-EC-080813-R1	8/13/08 12:00	57	feet	8.39	7.7	21.06	13.4
T4-S3M-N-080813-R1	T4-S3M-NA-080813-R1	8/13/08 12:05	3	feet	9.61	7.41	21.64	3.3
T4-S3M-N-080813-R1	T4-S3M-NB-080813-R1	8/13/08 12:05	15	feet	8.93	7.31	21.12	4.1
T4-S3M-N-080813-R1	T4-S3M-NC-080813-R1	8/13/08 12:05	29	feet	8.69	7.26	21.08	5.2
T4-S3C-E-080813-R2	T4-S3C-EA-080813-R2	8/13/08 12:20	3	feet	9.83	7.43	22.03	1.7
T4-S3C-E-080813-R2	T4-S3C-EB-080813-R2	8/13/08 12:20	21	feet	8.95	7.32	21.12	2.8
T4-S3C-E-080813-R2	T4-S3C-EC-080813-R2	8/13/08 12:20	38	feet	8.6	7.31	21.1	14.1
T4-S3C-M-080813-R2	T4-S3C-MA-080813-R2	8/13/08 12:30	3	feet	10	7.46	21.81	3.4
T4-S3C-M-080813-R2	T4-S3C-MB-080813-R2	8/13/08 12:30	21	feet	9.01	7.34	21.11	3.7
T4-S3C-M-080813-R2	T4-S3C-MC-080813-R2	8/13/08 12:30	40	feet	8.53	7.23	21.12	31.1
T4-S3C-S-080813-R2	T4-S3C-SA-080813-R2	8/13/08 12:45	3	feet	9.84	7.38	21.4	3
T4-S3C-S-080813-R2	T4-S3C-SB-080813-R2	8/13/08 12:45	19	feet	9.12	7.34	21.13	3.4
T4-S3C-S-080813-R2	T4-S3C-SC-080813-R2	8/13/08 12:45	35	feet	8.54	7.22	21.09	20.4
T4-S3C-N-080813-R2	T4-S3C-NA-080813-R2	8/13/08 13:00	3	feet	10.1	7.49	21.88	3.7
T4-S3C-N-080813-R2	T4-S3C-NB-080813-R2	8/13/08 13:00	23	feet	8.86	7.33	21.13	4.8
T4-S3C-N-080813-R2	T4-S3C-NC-080813-R2	8/13/08 13:00	43	feet	8.49	7.17	21.12	13
T4-S3M-E-080813-R2	T4-S3M-EA-080813-R2	8/13/08 13:10	3	feet	10.01	7.47	21.98	1.8
T4-S3M-E-080813-R2	T4-S3M-EB-080813-R2	8/13/08 13:10	30	feet	9.05	7.37	21.12	2.7
T4-S3M-E-080813-R2	T4-S3M-EC-080813-R2	8/13/08 13:10	57	feet	8.41	7.26	21.06	11.1
T4-S3M-M-080813-R2	T4-S3M-MA-080813-R2	8/13/08 13:20	3	feet	9.68	7.37	21.59	2.9
T4-S3M-M-080813-R2	T4-S3M-MB-080813-R2	8/13/08 13:20	28	feet	8.58	7.26	21.08	3.9
T4-S3M-M-080813-R2	T4-S3M-MC-080813-R2	8/13/08 13:20	53	feet	8.29	7.11	21.02	5.9
T4-S3M-S-080813-R2	T4-S3M-SA-080813-R2	8/13/08 13:30	3	feet	9.57	7.33	21.46	2.8
T4-S3M-S-080813-R2	T4-S3M-SB-080813-R2	8/13/08 13:30	23	feet	8.85	7.3	21.13	3.3
T4-S3M-S-080813-R2	T4-S3M-SC-080813-R2	8/13/08 13:30	53	feet	8.27	7.22	21.01	6.4
T4-S3M-N-080813-R2	T4-S3M-NA-080813-R2	8/13/08 13:40	3	feet	10.16	7.47	21.96	3.1
T4-S3M-N-080813-R2	T4-S3M-NB-080813-R2	8/13/08 13:40	15	feet	9.81	7.54	21.27	3.4
T4-S3M-N-080813-R2	T4-S3M-NC-080813-R2	8/13/08 13:40	28	feet	8.92	7.33	21.12	4.3
T4-S3C-E-080813-R3	T4-S3C-EA-080813-R3	8/13/08 13:45	3	feet	10.21	7.53	22.5	2.1
T4-S3C-E-080813-R3	T4-S3C-EB-080813-R3	8/13/08 13:45	20	feet	8.89	7.42	21.16	3.3
T4-S3C-E-080813-R3	T4-S3C-EC-080813-R3	8/13/08 13:45	38	feet	8.68	7.26	21.19	34.7
T4-S3C-M-080813-R3	T4-S3C-MA-080813-R3	8/13/08 14:00	3	feet	10.55	7.63	22.15	2.7
T4-S3C-M-080813-R3	T4-S3C-MB-080813-R3	8/13/08 14:00	22	feet	8.88	7.38	21.16	4.9
T4-S3C-M-080813-R3	T4-S3C-MC-080813-R3	8/13/08 14:00	41	feet	8.59	7.25	21.15	25.7
T4-S3C-N-080813-R3	T4-S3C-NA-080813-R3	8/13/08 14:10	3	feet	10.46	7.62	22.29	2.9
T4-S3C-N-080813-R3	T4-S3C-NB-080813-R3	8/13/08 14:10	23	feet	8.86	7.44	21.22	3.7
T4-S3C-N-080813-R3	T4-S3C-NC-080813-R3	8/13/08 14:10	43	feet	8.32	7.17	21.11	10.1
T4-S3C-S-080813-R3	T4-S3C-SA-080813-R3	8/13/08 14:15	3	feet	10.29	7.52	22.78	2.3
T4-S3C-S-080813-R3	T4-S3C-SB-080813-R3	8/13/08 14:15	19	feet	9.11	7.36	21.21	3.4
T4-S3C-S-080813-R3	T4-S3C-SC-080813-R3	8/13/08 14:15	35	feet	8.71	7.28	21.12	5.3
T4-S3M-E-080813-R3	T4-S3M-EA-080813-R3	8/13/08 14:45	3	feet	10.64	7.67	22.25	2.5
T4-S3M-E-080813-R3	T4-S3M-EB-080813-R3	8/13/08 14:45	30	feet	8.9	7.42	21.21	2.7
T4-S3M-E-080813-R3	T4-S3M-EC-080813-R3	8/13/08 14:45	57	feet	8.2	7.15	21.07	16
T4-S3M-M-080813-R3	T4-S3M-MA-080813-R3	8/13/08 14:50	3	feet	10.3	7.59	22.23	3.1
T4-S3M-M-080813-R3	T4-S3M-MB-080813-R3	8/13/08 14:50	23	feet	8.8	7.27	21.14	3.6

Field Parameter Water Quality Results - T4 Site

Location ID	Sample ID	Sample Date	Depth	Chemical:	Dissolved oxygen (field)	pH (field)	Temperature (field)	Turbidity (field)
				Unit:	mg/L	su	deg C	NTU
				Depth Unit[1]				
T4-S3M-M-080813-R3	T4-S3M-MC-080813-R3	8/13/08 14:50	53	feet	8.3	7.18	21.03	5.8
T4-S3M-S-080813-R3	T4-S3M-SA-080813-R3	8/13/08 14:55	3	feet	10.59	7.67	22.35	3.2
T4-S3M-S-080813-R3	T4-S3M-SB-080813-R3	8/13/08 14:55	27	feet	8.87	7.4	21.16	3.9
T4-S3M-S-080813-R3	T4-S3M-SC-080813-R3	8/13/08 14:55	52	feet	8.28	7.18	21.01	8.2
T4-S3M-N-080813-R3	T4-S3M-NA-080813-R3	8/13/08 15:05	3	feet	10.4	7.62	22.06	2.7
T4-S3M-N-080813-R3	T4-S3M-NB-080813-R3	8/13/08 15:05	16	feet	9.66	7.64	21.35	2.8
T4-S3M-N-080813-R3	T4-S3M-NC-080813-R3	8/13/08 15:05	29	feet	9.08	7.35	21.13	3.7
T4-S3C-E-080813-R4	T4-S3C-EA-080813-R4	8/13/08 15:30	3	feet	10.69	7.7	22.85	1.7
T4-S3C-E-080813-R4	T4-S3C-EB-080813-R4	8/13/08 15:30	20	feet	8.96	7.47	21.24	3.1
T4-S3C-E-080813-R4	T4-S3C-EC-080813-R4	8/13/08 15:30	37	feet	8.61	7.3	21.2	36
T4-S3C-N-080813-R4	T4-S3C-NA-080813-R4	8/13/08 15:35	3	feet	11.17	7.92	22.35	3
T4-S3C-N-080813-R4	T4-S3C-NB-080813-R4	8/13/08 15:35	24	feet	8.84	7.35	21.22	3.8
T4-S3C-N-080813-R4	T4-S3C-NC-080813-R4	8/13/08 15:35	46	feet	8.48	7.12	21.12	5.4
T4-S3C-M-080813-R4	T4-S3C-MA-080813-R4	8/13/08 15:40	3	feet	10.75	7.73	21.94	4.1
T4-S3C-M-080813-R4	T4-S3C-MB-080813-R4	8/13/08 15:40	22	feet	8.92	7.57	21.2	4.8
T4-S3C-M-080813-R4	T4-S3C-MC-080813-R4	8/13/08 15:40	41	feet	8.6	7.29	21.14	23
T4-S3C-S-080813-R4	T4-S3C-SA-080813-R4	8/13/08 15:45	3	feet	10.68	7.79	22.13	3.3
T4-S3C-S-080813-R4	T4-S3C-SB-080813-R4	8/13/08 15:45	20	feet	9.5	7.55	21.32	3.3
T4-S3C-S-080813-R4	T4-S3C-SC-080813-R4	8/13/08 15:45	37	feet	9	7.35	21.19	4.1
T4-S3M-E-080813-R4	T4-S3M-EA-080813-R4	8/13/08 15:50	3	feet	10.74	7.75	22.06	2.7
T4-S3M-E-080813-R4	T4-S3M-EB-080813-R4	8/13/08 15:50	30	feet	8.7	7.34	21.16	3.5
T4-S3M-E-080813-R4	T4-S3M-EC-080813-R4	8/13/08 15:50	57	feet	7.98	7.21	21	15.9
T4-S3M-N-080813-R4	T4-S3M-NA-080813-R4	8/13/08 15:55	3	feet	10.37	7.67	21.87	3.3
T4-S3M-N-080813-R4	T4-S3M-NB-080813-R4	8/13/08 15:55	17	feet	9.01	7.31	21.27	3.3
T4-S3M-N-080813-R4	T4-S3M-NC-080813-R4	8/13/08 15:55	31	feet	9.34	7.6	21.15	4.5
T4-S3M-M-080813-R4	T4-S3M-MA-080813-R4	8/13/08 16:05	3	feet	10.54	7.78	22.07	3.2
T4-S3M-M-080813-R4	T4-S3M-MB-080813-R4	8/13/08 16:05	29	feet	8.68	7.29	21.13	4.3
T4-S3M-M-080813-R4	T4-S3M-MC-080813-R4	8/13/08 16:05	55	feet	8.25	7.24	21.03	10.1
T4-S3M-S-080813-R4	T4-S3M-SA-080813-R4	8/13/08 16:10	3	feet	10.64	7.72	21.98	3.4
T4-S3M-S-080813-R4	T4-S3M-SB-080813-R4	8/13/08 16:10	27	feet	8.84	7.28	21.16	4
T4-S3M-S-080813-R4	T4-S3M-SC-080813-R4	8/13/08 16:10	52	feet	8.31	7.23	21.05	7.7
T4-BG-01-080814-R1	T4-BG-01A-080814-R1	8/14/08 7:40	3	feet	10.53	7.21	21.36	3
T4-BG-01-080814-R1	T4-BG-01B-080814-R1	8/14/08 7:40	34	feet	10.3	7.3	21.35	3.3
T4-BG-01-080814-R1	T4-BG-01C-080814-R1	8/14/08 7:40	65	feet	9.47	7.2	21.18	7.4
T4-S3C-E-080814-R1	T4-S3C-EA-080814-R1	8/14/08 8:10	3	feet	10.69	7.26	21.31	1.2
T4-S3C-E-080814-R1	T4-S3C-EB-080814-R1	8/14/08 8:10	20	feet	10.51	7.35	21.32	1
T4-S3C-E-080814-R1	T4-S3C-EC-080814-R1	8/14/08 8:10	38	feet	10.22	7.29	21.28	9.9
T4-S3C-N-080814-R1	T4-S3C-NA-080814-R1	8/14/08 8:25	3	feet	10.62	7.22	21.35	1.8
T4-S3C-N-080814-R1	T4-S3C-NB-080814-R1	8/14/08 8:25	24	feet	10.42	7.29	21.33	2.2
T4-S3C-N-080814-R1	T4-S3C-NC-080814-R1	8/14/08 8:25	45	feet	10.11	7.26	21.24	7.2
T4-S3C-M-080814-R1	T4-S3C-MA-080814-R1	8/14/08 8:35	3	feet	10.69	7.25	21.36	3.4
T4-S3C-M-080814-R1	T4-S3C-MB-080814-R1	8/14/08 8:35	20	feet	10.38	7.3	21.31	3.5
T4-S3C-M-080814-R1	T4-S3C-MC-080814-R1	8/14/08 8:35	40	feet	10	7.3	21.24	7.2
T4-S3C-S-080814-R1	T4-S3C-SA-080814-R1	8/14/08 8:45	3	feet	10.77	7.27	21.36	2.9
T4-S3C-S-080814-R1	T4-S3C-SB-080814-R1	8/14/08 8:45	20	feet	10.46	7.27	21.33	4.5
T4-S3C-S-080814-R1	T4-S3C-SC-080814-R1	8/14/08 8:45	37	feet	10.26	7.27	21.3	5.3
T4-S3C-E-080814-R2	T4-S3C-EA-080814-R2	8/14/08 9:30	3	feet	10.91	7.28	21.42	1.7
T4-S3C-E-080814-R2	T4-S3C-EB-080814-R2	8/14/08 9:30	20	feet	10.52	7.33	21.33	1.9
T4-S3C-E-080814-R2	T4-S3C-EC-080814-R2	8/14/08 9:30	37	feet	10.16	7.23	21.31	22.4
T4-S3C-M-080814-R2	T4-S3C-MA-080814-R2	8/14/08 9:35	3	feet	10.91	7.28	21.46	1.7
T4-S3C-M-080814-R2	T4-S3C-MB-080814-R2	8/14/08 9:35	21	feet	10.5	7.37	21.33	1.8
T4-S3C-M-080814-R2	T4-S3C-MC-080814-R2	8/14/08 9:35	40	feet	10.11	7.26	21.29	28.1
T4-S3C-N-080814-R2	T4-S3C-NA-080814-R2	8/14/08 9:40	3	feet	10.99	7.3	21.39	3
T4-S3C-N-080814-R2	T4-S3C-NB-080814-R2	8/14/08 9:40	24	feet	10.36	7.31	21.3	3.5
T4-S3C-N-080814-R2	T4-S3C-NC-080814-R2	8/14/08 9:40	46	feet	10.02	7.24	21.28	24.3
T4-S3C-S-080814-R2	T4-S3C-SA-080814-R2	8/14/08 9:45	3	feet	10.96	7.3	21.46	3.7
T4-S3C-S-080814-R2	T4-S3C-SB-080814-R2	8/14/08 9:45	20	feet	10.6	7.39	21.33	3.5
T4-S3C-S-080814-R2	T4-S3C-SC-080814-R2	8/14/08 9:45	37	feet	10.23	7.28	21.3	10.8
T4-S3M-E-080814-R2	T4-S3M-EA-080814-R2	8/14/08 9:50	3	feet	10.78	7.27	21.46	3.9
T4-S3M-E-080814-R2	T4-S3M-EB-080814-R2	8/14/08 9:50	30	feet	10.4	7.31	21.36	3.5
T4-S3M-E-080814-R2	T4-S3M-EC-080814-R2	8/14/08 9:50	57	feet	9.96	7.29	21.25	5.4
T4-S3M-N-080814-R2	T4-S3M-NA-080814-R2	8/14/08 9:55	3	feet	10.88	7.29	21.51	3.2
T4-S3M-N-080814-R2	T4-S3M-NB-080814-R2	8/14/08 9:55	16	feet	10.51	7.33	21.41	3
T4-S3M-N-080814-R2	T4-S3M-NC-080814-R2	8/14/08 9:55	30	feet	10.33	7.29	21.35	3.7
T4-S3M-M-080814-R2	T4-S3M-MA-080814-R2	8/14/08 10:00	3	feet	10.84	7.32	21.49	2.5
T4-S3M-M-080814-R2	T4-S3M-MB-080814-R2	8/14/08 10:00	28	feet	10.4	7.35	21.34	3.9
T4-S3M-M-080814-R2	T4-S3M-MC-080814-R2	8/14/08 10:00	54	feet	9.97	7.28	21.26	6.8
T4-S3M-S-080814-R2	T4-S3M-SA-080814-R2	8/14/08 10:05	3	feet	10.76	7.29	21.49	2.1
T4-S3M-S-080814-R2	T4-S3M-SB-080814-R2	8/14/08 10:05	27	feet	10.32	7.34	21.35	2.7
T4-S3M-S-080814-R2	T4-S3M-SC-080814-R2	8/14/08 10:05	52	feet	10.08	7.26	21.28	5.1
T4-BG-01-080818-R1	T4-BG-01A-080818-R1	8/18/08 11:53	3	feet	8.16	6.98	22.47	4.4
T4-BG-01-080818-R1	T4-BG-01B-080818-R1	8/18/08 11:53	23	feet	8.07	7.14	22.5	5.1
T4-BG-01-080818-R1	T4-BG-01C-080818-R1	8/18/08 11:53	43	feet	7.99	7.15	22.47	5.5
T4-S3A-E-080818-R1	T4-S3A-EA-080818-R1	8/18/08 15:05	3	feet	8.17	7.01	22.42	2.6
T4-S3A-E-080818-R1	T4-S3A-EB-080818-R1	8/18/08 15:05	25	feet	7.82	7.1	22.42	5.1
T4-S3A-E-080818-R1	T4-S3A-EC-080818-R1	8/18/08 15:05	47	feet	7.7	7.12	22.42	43.2
T4-S3A-N-080818-R1	T4-S3A-NA-080818-R1	8/18/08 15:15	3	feet	8.04	6.99	22.42	3.2
T4-S3A-N-080818-R1	T4-S3A-NB-080818-R1	8/18/08 15:15	24	feet	7.88	7.15	22.41	4
T4-S3A-N-080818-R1	T4-S3A-NC-080818-R1	8/18/08 15:15	45	feet	7.73	7.11	22.41	7.3
T4-S3A-M-080818-R1	T4-S3A-MA-080818-R1	8/18/08 15:25	3	feet	8.21	7.01	22.44	5.3
T4-S3A-M-080818-R1	T4-S3A-MB-080818-R1	8/18/08 15:25	25	feet	7.89	7.1	22.43	9.8
T4-S3A-M-080818-R1	T4-S3A-MC-080818-R1	8/18/08 15:25	47	feet	7.68	7.1	22.42	27.5
T4-S3A-S-080818-R1	T4-S3A-SA-080818-R1	8/18/08 15:35	3	feet	8.22	7.01	22.44	5

Field Parameter Water Quality Results - T4 Site

Location ID	Sample ID	Sample Date	Depth	Chemical:	Dissolved oxygen (field)	pH (field)	Temperature (field)	Turbidity (field)
				Unit:	mg/L	su	deg C	NTU
				Depth Unit[1]				
T4-S3A-S-080818-R1	T4-S3A-SB-080818-R1	8/18/08 15:35	19	feet	7.97	7.08	22.42	6
T4-S3A-S-080818-R1	T4-S3A-SC-080818R1	8/18/08 15:35	36	feet	7.77	7.09	22.42	8
T4-S3M-E-080818-R1	T4-S3M-EA-080818-R1	8/18/08 15:45	3	feet	8.2	7.01	22.48	5.4
T4-S3M-E-080818-R1	T4-S3M-EB-080818-R1	8/18/08 15:45	29	feet	8.05	7.16	22.48	6.1
T4-S3M-E-080818-R1	T4-S3M-EC-080818-R1	8/18/08 15:45	56	feet	7.85	7.15	22.41	7.3
T4-S3M-M-080818-R1	T4-S3M-MA-080818-R1	8/18/08 15:50	3	feet	8.23	7.04	22.49	6
T4-S3M-M-080818-R1	T4-S3M-MB-080818-R1	8/18/08 15:50	28	feet	8.09	7.11	22.49	6.1
T4-S3M-M-080818-R1	T4-S3M-MC-080818-R1	8/18/08 15:50	53	feet	7.92	7.16	22.45	7.1
T4-S3M-S-080818-R1	T4-S3M-SA-080818-R1	8/18/08 16:00	3	feet	8.3	7.05	22.5	5.8
T4-S3M-S-080818-R1	T4-S3M-SB-080818-R1	8/18/08 16:00	27	feet	8.14	7.12	22.49	6.2
T4-S3M-S-080818-R1	T4-S3M-SC-080818-R1	8/18/08 16:00	51	feet	7.97	7.16	22.49	7.6
T4-S3M-N-080818-R1	T4-S3M-NA-080818-R1	8/18/08 16:05	3	feet	8.27	7.03	22.5	5.5
T4-S3M-N-080818-R1	T4-S3M-NB-080818-R1	8/18/08 16:05	16	feet	8.18	7.14	22.49	6
T4-S3M-N-080818-R1	T4-S3M-NC-080818-R1	8/18/08 16:05	29	feet	8.05	7.17	22.49	6.4
T4-S3A-E-080818-R2	T4-S3A-EA-080818-R2	8/18/08 16:50	3	feet	8.13	7.03	22.44	4
T4-S3A-E-080818-R2	T4-S3A-EB-080818-R2	8/18/08 16:50	25	feet	7.94	7.16	22.42	3.7
T4-S3A-E-080818-R2	T4-S3A-EC-080818-R2	8/18/08 16:50	47	feet	7.77	7.13	22.43	23.5
T4-S3A-M-080818-R2	T4-S3A-MA-080818-R2	8/18/08 16:58	3	feet	8.29	7.06	22.48	4.9
T4-S3A-M-080818-R2	T4-S3A-MB-080818-R2	8/18/08 16:58	24	feet	7.98	7.17	22.42	4.8
T4-S3A-M-080818-R2	T4-S3A-MC-080818-R2	8/18/08 16:58	45	feet	7.66	7.4	22.43	35.5
T4-S3A-N-080818-R2	T4-S3A-NA-080818-R2	8/18/08 17:10	3	feet	8.19	7.11	22.4	4.5
T4-S3A-N-080818-R2	T4-S3A-NB-080818-R2	8/18/08 17:10	24	feet	7.88	7.16	22.44	4.7
T4-S3A-N-080818-R2	T4-S3A-NC-080818-R2	8/18/08 17:10	40	feet	7.67	7.12	22.41	17
T4-S3A-S-080818-R2	T4-S3A-SA-080818-R2	8/18/08 17:15	3	feet	8.2	7.06	22.47	5.8
T4-S3A-S-080818-R2	T4-S3A-SB-080818-R2	8/18/08 17:15	19	feet	8.07	7.16	22.44	5.9
T4-S3A-S-080818-R2	T4-S3A-SC-080818-R2	8/18/08 17:15	35	feet	7.81	7.5	22.43	13.9
T4-S3M-E-080818-R2	T4-S3M-EA-080818-R2	8/18/08 18:30	3	feet	8.14	7.05	22.44	4
T4-S3M-E-080818-R2	T4-S3M-EB-080818-R2	8/18/08 18:30	31	feet	8.04	7.2	22.45	4.9
T4-S3M-E-080818-R2	T4-S3M-EC-080818-R2	8/18/08 18:30	59	feet	7.89	7.18	22.46	9.6
T4-S3M-M-080818-R2	T4-S3M-MA-080818-R2	8/18/08 18:40	3	feet	8.12	7.03	22.44	4.8
T4-S3M-M-080818-R2	T4-S3M-MB-080818-R2	8/18/08 18:40	29	feet	8.01	7.13	22.45	7.4
T4-S3M-M-080818-R2	T4-S3M-MC-080818-R2	8/18/08 18:40	56	feet	7.86	7.1	22.45	9.9
T4-S3M-N-080818-R2	T4-S3M-NA-080818-R2	8/18/08 18:50	3	feet	8.15	7.05	22.44	6.9
T4-S3M-N-080818-R2	T4-S3M-NB-080818-R2	8/18/08 18:50	17	feet	8.1	7.17	22.45	6.7
T4-S3M-N-080818-R2	T4-S3M-NC-080818-R2	8/18/08 18:50	31	feet	8.03	7.21	22.45	7.1
T4-S3M-S-080818-R2	T4-S3M-SA-080818-R2	8/18/08 19:00	3	feet	8.11	7.04	22.43	5.4
T4-S3M-S-080818-R2	T4-S3M-SB-080818-R2	8/18/08 19:00	29	feet	7.97	7.17	22.44	7.7
T4-S3M-S-080818-R2	T4-S3M-SC-080818-R2	8/18/08 19:00	56	feet	7.78	7.15	22.43	9.2
T4-BG-01-080818-R2	T4-BG-01A-080818-R2	8/18/08 19:10	3	feet	0	0	0	6.3
T4-BG-01-080818-R2	T4-BG-01B-080818-R2	8/18/08 19:10	22	feet	0	0	0	6
T4-BG-01-080818-R2	T4-BG-01C-080818-R2	8/18/08 19:10	39	feet	0	0	0	10.1
T4-S3A-E-080818-R3	T4-S3A-EA-080818-R3	8/18/08 19:35	3	feet	8.09	7.06	22.41	4.5
T4-S3A-E-080818-R3	T4-S3A-EB-080818-R3	8/18/08 19:35	22	feet	8.03	7.2	22.42	4.5
T4-S3A-E-080818-R3	T4-S3A-EC-080818-R3	8/18/08 19:35	41	feet	7.91	7.19	22.44	12.6
T4-S3A-M-080818-R3	T4-S3A-MA-080818-R3	8/18/08 19:45	3	feet	8.07	7.05	22.4	8.4
T4-S3A-M-080818-R3	T4-S3A-MB-080818-R3	8/18/08 19:45	22	feet	8.01	7.19	22.43	6.4
T4-S3A-M-080818-R3	T4-S3A-MC-080818-R3	8/18/08 19:45	42	feet	7.88	7.18	22.44	9
T4-S3A-N-080818-R3	T4-S3A-NA-080818-R3	8/18/08 19:55	3	feet	8.12	7.05	22.42	4.6
T4-S3A-N-080818-R3	T4-S3A-NB-080818-R3	8/18/08 19:55	23	feet	8	7.18	22.43	4.8
T4-S3A-N-080818-R3	T4-S3A-NC-080818-R3	8/18/08 19:55	43	feet	7.8	7.17	22.42	9.6
T4-S3A-S-080818-R3	T4-S3A-SA-080818-R3	8/18/08 20:10	3	feet	8.05	7.07	22.42	5.2
T4-S3A-S-080818-R3	T4-S3A-SB-080818-R3	8/18/08 20:10	22	feet	7.97	7.18	22.4	7.2
T4-S3A-S-080818-R3	T4-S3A-SC-080818-R3	8/18/08 20:10	41	feet	7.74	7.16	22.44	27.2
T4-S3M-E-080818-R3	T4-S3M-EA-080818-R3	8/18/08 20:25	3	feet	8.06	7.09	22.4	7.8
T4-S3M-E-080818-R3	T4-S3M-EB-080818-R3	8/18/08 20:25	29	feet	7.93	7.2	22.4	7.3
T4-S3M-E-080818-R3	T4-S3M-EC-080818-R3	8/18/08 20:25	56	feet	7.81	7.2	22.41	8.9
T4-S3M-M-080818-R3	T4-S3M-MA-080818-R3	8/18/08 20:35	3	feet	8.06	7.04	22.39	7.2
T4-S3M-M-080818-R3	T4-S3M-MB-080818-R3	8/18/08 20:35	29	feet	7.95	7.2	22.42	7.5
T4-S3M-M-080818-R3	T4-S3M-MC-080818-R3	8/18/08 20:35	56	feet	7.8	7.1	22.42	9.5
T4-S3M-N-080818-R3	T4-S3M-NA-080818-R3	8/18/08 20:50	3	feet	8.06	7.04	22.41	6.4
T4-S3M-N-080818-R3	T4-S3M-NB-080818-R3	8/18/08 20:50	17	feet	7.97	7.21	22.42	6.7
T4-S3M-N-080818-R3	T4-S3M-NC-080818-R3	8/18/08 20:50	31	feet	7.87	7.2	22.42	11.2
T4-S3M-S-080818-R3	T4-S3M-SA-080818-R3	8/18/08 20:55	3	feet	8.06	7.03	22.41	7.2
T4-S3M-S-080818-R3	T4-S3M-SB-080818-R3	8/18/08 20:55	30	feet	7.95	7.2	22.44	7.8
T4-S3M-S-080818-R3	T4-S3M-SC-080818-R3	8/18/08 20:55	57	feet	7.81	7.2	22.43	9
T4-BG-01-080819	T4-BG-01A-080819	8/19/08 7:10	3	feet	8.08	7.09	22.34	3.1
T4-BG-01-080819	T4-BG-01B-080819	8/19/08 7:10	22	feet	7.98	7.24	22.36	3.8
T4-BG-01-080819	T4-BG-01C-080819	8/19/08 7:10	40	feet	7.9	7.27	22.37	4.9
T4-S3A-E-080819-R1	T4-S3A-EA-080819-R1	8/19/08 9:25	3	feet	7.88	7.1	22.27	4.5
T4-S3A-E-080819-R1	T4-S3A-EB-080819-R1	8/19/08 9:25	21	feet	7.67	7.33	22.31	6.2
T4-S3A-E-080819-R1	T4-S3A-EC-080819-R1	8/19/08 9:25	39	feet	7.4	7.21	22.29	18.3
T4-S3A-N-080819-R1	T4-S3A-NA-080819-R1	8/19/08 9:30	3	feet	7.92	7.07	22.31	6
T4-S3A-N-080819-R1	T4-S3A-NB-080819-R1	8/19/08 9:30	26	feet	7.9	7.3	22.33	4.8
T4-S3A-N-080819-R1	T4-S3A-NC-080819-R1	8/19/08 9:30	49	feet	7.35	7.21	22.32	39.5
T4-S3A-M-080819-R1	T4-S3A-MA-080819-R1	8/19/08 9:40	3	feet	7.97	7.1	22.27	5.8
T4-S3A-M-080819-R1	T4-S3A-MB-080819-R1	8/19/08 9:40	22	feet	7.85	7.3	22.33	5.6
T4-S3A-M-080819-R1	T4-S3A-MC-080819-R1	8/19/08 9:40	41	feet	7.77	7.25	22.32	6.1
T4-S3A-S-080819-R1	T4-S3A-SA-080819-R1	8/19/08 9:51	3	feet	7.93	7.1	22.3	6.8
T4-S3A-S-080819-R1	T4-S3A-SB-080819-R1	8/19/08 9:51	21	feet	7.82	7.35	22.32	6.3
T4-S3A-S-080819-R1	T4-S3A-SC-080819-R1	8/19/08 9:51	39	feet	7.7	7.27	22.32	7.3
T4-S3M-E-080819-R1	T4-S3M-EA-080819-R1	8/19/08 10:00	3	feet	8.13	7.12	22.36	3.6
T4-S3M-E-080819-R1	T4-S3M-EB-080819-R1	8/19/08 10:00	29	feet	7.98	7.32	22.37	4.2
T4-S3M-E-080819-R1	T4-S3M-EC-080819-R1	8/19/08 10:00	55	feet	7.85	7.29	22.36	5

Field Parameter Water Quality Results - T4 Site

Location ID	Sample ID	Sample Date	Depth	Chemical:	Dissolved oxygen (field)	pH (field)	Temperature (field)	Turbidity (field)
				Unit:	mg/L	su	deg C	NTU
				Depth Unit[1]				
T4-S3M-N-080819-R1	T4-S3M-NA-080819-R1	8/19/08 10:08	3	feet	8.2	7.13	22.36	4.9
T4-S3M-N-080819-R1	T4-S3M-NB-080819-R1	8/19/08 10:08	17	feet	8.04	7.34	22.37	5
T4-S3M-N-080819-R1	T4-S3M-NC-080819-R1	8/19/08 10:08	31	feet	7.96	7.39	22.37	5.6
T4-S3M-S-080819-R1	T4-S3M-SA-080819-R1	8/19/08 10:15	3	feet	8.07	7.1	22.37	6.1
T4-S3M-S-080819-R1	T4-S3M-SB-080819-R1	8/19/08 10:15	29	feet	7.95	7.31	22.36	6.2
T4-S3M-S-080819-R1	T4-S3M-SC-080819-R1	8/19/08 10:15	55	feet	7.87	7.28	22.36	8.3
T4-S3M-M-080819-R1	T4-S3M-MA-080819-R1	8/19/08 10:20	3	feet	8.12	7.11	22.38	5.7
T4-S3M-M-080819-R1	T4-S3M-MB-080819-R1	8/19/08 10:20	29	feet	7.95	7.29	22.38	5.8
T4-S3M-M-080819-R1	T4-S3M-MC-080819-R1	8/19/08 10:20	56	feet	7.85	7.28	22.36	8.7
T4-S3A-E-080819-R2	T4-S3A-EA-080819-R2	8/19/08 10:39	3	feet	8.03	7.11	22.28	4.5
T4-S3A-E-080819-R2	T4-S3A-EB-080819-R2	8/19/08 10:39	21	feet	7.76	7.31	22.32	5.8
T4-S3A-E-080819-R2	T4-S3A-EC-080819-R2	8/19/08 10:39	39	feet	7.51	7.24	22.3	18
T4-S3A-N-080819-R2	T4-S3A-NA-080819-R2	8/19/08 10:45	3	feet	7.9	7.07	22.32	5.4
T4-S3A-N-080819-R2	T4-S3A-NB-080819-R2	8/19/08 10:45	25	feet	7.66	7.27	22.32	8.4
T4-S3A-N-080819-R2	T4-S3A-NC-080819-R2	8/19/08 10:45	47	feet	7.28	7.18	22.31	50.4
T4-S3A-M-080819-R2	T4-S3A-MA-080819-R2	8/19/08 10:54	3	feet	7.95	7.06	22.37	6.5
T4-S3A-M-080819-R2	T4-S3A-MB-080819-R2	8/19/08 10:54	22	feet	7.74	7.35	22.33	7.8
T4-S3A-M-080819-R2	T4-S3A-MC-080819-R2	8/19/08 10:54	41	feet	7.45	7.34	22.32	25
T4-S3A-S-080819-R2	T4-S3A-SA-080819-R2	8/19/08 11:04	3	feet	8.2	7.15	22.42	4.5
T4-S3A-S-080819-R2	T4-S3A-SB-080819-R2	8/19/08 11:04	21	feet	7.87	7.42	22.33	4.6
T4-S3A-S-080819-R2	T4-S3A-SC-080819-R2	8/19/08 11:04	40	feet	7.52	7.28	22.32	19.1
T4-S3M-E-080819-R2	T4-S3M-EA-080819-R2	8/19/08 11:09	3	feet	8.21	7.15	22.44	5.3
T4-S3M-E-080819-R2	T4-S3M-EB-080819-R2	8/19/08 11:09	30	feet	7.95	7.41	22.37	6.3
T4-S3M-E-080819-R2	T4-S3M-EC-080819-R2	8/19/08 11:09	58	feet	7.85	7.35	22.35	7.5
T4-S3M-S-080819-R2	T4-S3M-SA-080819-R2	8/19/08 11:17	3	feet	8.23	7.14	22.47	5.6
T4-S3M-S-080819-R2	T4-S3M-SB-080819-R2	8/19/08 11:17	28	feet	8	7.42	22.38	6.9
T4-S3M-S-080819-R2	T4-S3M-SC-080819-R2	8/19/08 11:17	54	feet	7.89	7.3	22.37	7.2
T4-S3M-M-080819-R2	T4-S3M-MA-080819-R2	8/19/08 11:30	3	feet	8.22	7.14	22.47	6.3
T4-S3M-M-080819-R2	T4-S3M-MB-080819-R2	8/19/08 11:30	29	feet	7.96	7.48	22.37	6.6
T4-S3M-M-080819-R2	T4-S3M-MC-080819-R2	8/19/08 11:30	55	feet	7.88	7.39	22.37	8
T4-S3M-N-080819-R2	T4-S3M-NA-080819-R2	8/19/08 11:39	3	feet	8.35	7.2	22.49	5.4
T4-S3M-N-080819-R2	T4-S3M-NB-080819-R2	8/19/08 11:39	17	feet	8.17	7.37	22.38	5.7
T4-S3M-N-080819-R2	T4-S3M-NC-080819-R2	8/19/08 11:39	31	feet	7.88	7.4	22.34	7.3
T4-S3A-E-080819-R3	T4-S3A-EA-080819-R3	8/19/08 12:40	3	feet	8.21	7.1	22.52	3.4
T4-S3A-E-080819-R3	T4-S3A-EB-080819-R3	8/19/08 12:40	21	feet	7.81	7.3	22.34	5.3
T4-S3A-E-080819-R3	T4-S3A-EC-080819-R3	8/19/08 12:40	40	feet	7.55	7.3	22.33	21.5
T4-S3A-N-080819-R3	T4-S3A-NA-080819-R3	8/19/08 12:47	3	feet	8.01	7.1	22.43	4.7
T4-S3A-N-080819-R3	T4-S3A-NB-080819-R3	8/19/08 12:47	25	feet	7.68	7.45	22.33	5.9
T4-S3A-N-080819-R3	T4-S3A-NC-080819-R3	8/19/08 12:47	47	feet	7.19	7.25	22.34	80
T4-S3A-M-080819-R3	T4-S3A-MA-080819-R3	8/19/08 12:58	3	feet	8.57	7.22	22.65	3.4
T4-S3A-M-080819-R3	T4-S3A-MB-080819-R3	8/19/08 12:58	24	feet	8.05	7.44	22.36	4.5
T4-S3A-M-080819-R3	T4-S3A-MC-080819-R3	8/19/08 12:58	46	feet	7.58	7.43	22.33	20.2
T4-S3A-S-080819-R3	T4-S3A-SA-080819-R3	8/19/08 13:30	3	feet	8.07	7.07	22.43	5.4
T4-S3A-S-080819-R3	T4-S3A-SB-080819-R3	8/19/08 13:30	20	feet	7.95	7.43	22.37	7
T4-S3A-S-080819-R3	T4-S3A-SC-080819-R3	8/19/08 13:30	37	feet	7.68	7.51	22.35	16.6
T4-S3A-N-080819-R4	T4-S3A-NA-080819-R4	8/19/08 13:40	3	feet	8.62	7.23	22.67	3
T4-S3A-N-080819-R4	T4-S3A-NB-080819-R4	8/19/08 13:40	21	feet	7.7	7.33	22.33	8.6
T4-S3A-N-080819-R4	T4-S3A-NC-080819-R4	8/19/08 13:40	39	feet	7.31	7.25	22.33	36.1
T4-S3M-E-080819-R3	T4-S3M-EA-080819-R3	8/19/08 15:00	3	feet	8.48	7.23	22.56	4
T4-S3M-E-080819-R3	T4-S3M-EB-080819-R3	8/19/08 15:00	29	feet	8.07	7.3	22.44	4.4
T4-S3M-E-080819-R3	T4-S3M-EC-080819-R3	8/19/08 15:00	55	feet	7.63	7.26	22.36	10.3
T4-S3M-M-080819-R3	T4-S3M-MA-080819-R3	8/19/08 15:10	3	feet	8.28	7.18	22.46	5.3
T4-S3M-M-080819-R3	T4-S3M-MB-080819-R3	8/19/08 15:10	28	feet	8.05	7.3	22.44	5.8
T4-S3M-M-080819-R3	T4-S3M-MC-080819-R3	8/19/08 15:10	54	feet	7.5	7.26	22.35	7.2
T4-S3M-N-080819-R3	T4-S3M-NA-080819-R3	8/19/08 15:20	3	feet	8.5	7.22	22.58	5.4
T4-S3M-N-080819-R3	T4-S3M-NB-080819-R3	8/19/08 15:20	16	feet	8.24	7.33	22.5	5
T4-S3M-N-080819-R3	T4-S3M-NC-080819-R3	8/19/08 15:20	29	feet	8.15	7.33	22.48	6.1
T4-S3M-S-080819-R3	T4-S3M-SA-080819-R3	8/19/08 15:35	3	feet	8.38	7.15	22.51	6
T4-S3M-S-080819-R3	T4-S3M-SB-080819-R3	8/19/08 15:35	27	feet	8.05	7.33	22.44	6.5
T4-S3M-S-080819-R3	T4-S3M-SC-080819-R3	8/19/08 15:35	51	feet	7.86	7.32	22.4	8.9
T4-S3A-E-080819-R4	T4-S3A-EA-080819-R4	8/19/08 17:00	3	feet	8.47	7.23	22.53	2.9
T4-S3A-E-080819-R4	T4-S3A-EB-080819-R4	8/19/08 17:00	24	feet	7.97	7.35	22.46	7
T4-S3A-E-080819-R4	T4-S3A-EC-080819-R4	8/19/08 17:00	45	feet	7.69	7.66	22.41	22.5
T4-S3A-M-080819-R4	T4-S3A-MA-080819-R4	8/19/08 17:20	3	feet	8.6	7.25	22.6	3.3
T4-S3A-M-080819-R4	T4-S3A-MB-080819-R4	8/19/08 17:20	24	feet	7.94	7.38	22.43	5.7
T4-S3A-M-080819-R4	T4-S3A-MC-080819-R4	8/19/08 17:20	46	feet	7.59	7.34	22.39	27.2
T4-S3A-N-080819-R5	T4-S3A-NA-080819-R5	8/19/08 17:30	3	feet	8.48	7.3	22.6	4.7
T4-S3A-N-080819-R5	T4-S3A-NB-080819-R5	8/19/08 17:30	20	feet	7.97	7.38	22.45	6.6
T4-S3A-N-080819-R5	T4-S3A-NC-080819-R5	8/19/08 17:30	37	feet	7.61	7.35	22.37	10.2
T4-S3A-S-080819-R4	T4-S3A-SA-080819-R4	8/19/08 17:37	3	feet	8.43	7.32	22.48	6.3
T4-S3A-S-080819-R4	T4-S3A-SB-080819-R4	8/19/08 17:37	26	feet	7.89	7.35	22.41	7.2
T4-S3A-S-080819-R4	T4-S3A-SC-080819-R4	8/19/08 17:37	49	feet	7.53	7.26	22.38	18.5
T4-S3M-E-080819-R4	T4-S3M-EA-080819-R4	8/19/08 17:50	3	feet	8.35	7.23	22.45	5.8
T4-S3M-E-080819-R4	T4-S3M-EB-080819-R4	8/19/08 17:50	29	feet	8.17	7.35	22.46	5
T4-S3M-E-080819-R4	T4-S3M-EC-080819-R4	8/19/08 17:50	56	feet	8.06	7.36	22.47	6.6
T4-S3M-M-080819-R4	T4-S3M-MA-080819-R4	8/19/08 18:00	3	feet	8.28	7.2	22.45	6
T4-S3M-M-080819-R4	T4-S3M-MB-080819-R4	8/19/08 18:00	28	feet	8.14	7.35	22.45	6.5
T4-S3M-M-080819-R4	T4-S3M-MC-080819-R4	8/19/08 18:00	54	feet	7.75	7.36	22.38	7.1
T4-S3M-N-080819-R4	T4-S3M-NA-080819-R4	8/19/08 18:05	3	feet	8.35	7.29	22.47	5.1
T4-S3M-N-080819-R4	T4-S3M-NB-080819-R4	8/19/08 18:05	16	feet	8.06	7.38	22.45	5.9
T4-S3M-N-080819-R4	T4-S3M-NC-080819-R4	8/19/08 18:05	30	feet	8.02	7.33	22.45	7.2
T4-S3M-S-080819-R4	T4-S3M-SA-080819-R4	8/19/08 18:15	3	feet	8.26	7.19	22.44	4.6
T4-S3M-S-080819-R4	T4-S3M-SB-080819-R4	8/19/08 18:15	28	feet	8.16	7.37	22.45	4.7

Field Parameter Water Quality Results - T4 Site

Location ID	Sample ID	Sample Date	Depth	Chemical:	Dissolved oxygen (field)	pH (field)	Temperature (field)	Turbidity (field)
				Unit:	mg/L	su	deg C	NTU
				Depth Unit[1]				
T4-S3M-S-080819-R4	T4-S3M-SC-080819-R4	8/19/08 18:15	54	feet	7.75	7.33	22.39	6.6
T4-S3A-E-080819-R5	T4-S3A-EA-080819-R5	8/19/08 19:30	3	feet	8	7.2	22.4	8.2
T4-S3A-E-080819-R5	T4-S3A-EB-080819-R5	8/19/08 19:30	25	feet	7.91	7.35	22.42	9
T4-S3A-E-080819-R5	T4-S3A-EC-080819-R5	8/19/08 19:30	48	feet	7.47	7.27	22.42	115.2
T4-S3A-M-080819-R5	T4-S3A-MA-080819-R5	8/19/08 19:40	3	feet	8.2	7.21	22.41	6.8
T4-S3A-M-080819-R5	T4-S3A-MB-080819-R5	8/19/08 19:40	24	feet	7.99	7.35	22.43	7.6
T4-S3A-M-080819-R5	T4-S3A-MC-080819-R5	8/19/08 19:40	45	feet	7.62	7.28	22.43	32.5
T4-S3A-N-080819-R6	T4-S3A-NA-080819-R6	8/19/08 19:50	3	feet	8.09	7.22	22.42	7.9
T4-S3A-N-080819-R6	T4-S3A-NB-080819-R6	8/19/08 19:50	23	feet	7.83	7.41	22.42	10.5
T4-S3A-N-080819-R6	T4-S3A-NC-080819-R6	8/19/08 19:50	43	feet	7.59	7.3	22.42	58.8
T4-S3A-S-080819-R5	T4-S3A-SA-080819-R5	8/19/08 20:00	3	feet	8.04	7.22	22.43	9.3
T4-S3A-S-080819-R5	T4-S3A-SB-080819-R5	8/19/08 20:00	21	feet	7.86	7.35	22.41	9.8
T4-S3A-S-080819-R5	T4-S3A-SC-080819-R5	8/19/08 20:00	39	feet	7.57	7.31	22.42	34
T4-S3M-E-080819-R5	T4-S3M-EA-080819-R5	8/19/08 20:10	3	feet	8.08	7.2	22.39	11.1
T4-S3M-E-080819-R5	T4-S3M-EB-080819-R5	8/19/08 20:10	31	feet	7.88	7.35	22.4	12
T4-S3M-E-080819-R5	T4-S3M-EC-080819-R5	8/19/08 20:10	59	feet	7.77	7.39	22.33	11.1
T4-S3M-M-080819-R5	T4-S3M-MA-080819-R5	8/19/08 20:15	3	feet	8.15	7.21	22.38	7.3
T4-S3M-M-080819-R5	T4-S3M-MB-080819-R5	8/19/08 20:15	30	feet	8.08	7.35	22.42	6.2
T4-S3M-M-080819-R5	T4-S3M-MC-080819-R5	8/19/08 20:15	57	feet	8.16	7.51	22.1	9
T4-S3M-N-080819-R5	T4-S3M-NA-080819-R5	8/19/08 20:25	3	feet	8.08	7.18	22.42	9.7
T4-S3M-N-080819-R5	T4-S3M-NB-080819-R5	8/19/08 20:25	19	feet	7.99	7.34	22.42	9.1
T4-S3M-N-080819-R5	T4-S3M-NC-080819-R5	8/19/08 20:25	36	feet	7.9	7.33	22.42	9.2
T4-S3M-S-080819-R5	T4-S3M-SA-080819-R5	8/19/08 20:30	3	feet	8.25	7.23	22.41	5.8
T4-S3M-S-080819-R5	T4-S3M-SB-080819-R5	8/19/08 20:30	29	feet	7.93	7.36	22.39	6.6
T4-S3M-S-080819-R5	T4-S3M-SC-080819-R5	8/19/08 20:30	55	feet	8.06	7.42	22.16	10.1
T4-BG-01-080820	T4-BG-01A-080820	8/20/08 9:20	3	feet	7.72	7.03	22.21	4.2
T4-BG-01-080820	T4-BG-01B-080820	8/20/08 9:20	23	feet	7.63	7.69	22.21	4.9
T4-BG-01-080820	T4-BG-01C-080820	8/20/08 9:20	43	feet	7.57	8.1	22.14	4.5
T4-S3A-E-080820-R1	T4-S3A-EA-080820-R1	8/20/08 10:01	3	feet	7.49	7.22	22.24	7.5
T4-S3A-E-080820-R1	T4-S3A-EB-080820-R1	8/20/08 10:01	25	feet	7.39	7.71	22.24	9.3
T4-S3A-E-080820-R1	T4-S3A-EC-080820-R1	8/20/08 10:01	47	feet	7.13	7.96	22.23	29.4
T4-S3A-S-080820-R1	T4-S3A-SA-080820-R1	8/20/08 10:10	3	feet	7.56	7	22.25	5.4
T4-S3A-S-080820-R1	T4-S3A-SB-080820-R1	8/20/08 10:10	23	feet	7.47	7.5	22.23	7.2
T4-S3A-S-080820-R1	T4-S3A-SC-080820-R1	8/20/08 10:10	44	feet	7.42	7.8	22.23	8.4
T4-S3A-M-080820-R1	T4-S3A-MA-080820-R1	8/20/08 10:20	3	feet	7.58	7.14	22.21	7.2
T4-S3A-M-080820-R1	T4-S3A-MB-080820-R1	8/20/08 10:20	23	feet	7.53	7.34	22.22	7.6
T4-S3A-M-080820-R1	T4-S3A-MC-080820-R1	8/20/08 10:20	44	feet	7.54	7.89	22.21	6.9
T4-S3A-N-080820-R1	T4-S3A-NA-080820-R1	8/20/08 10:30	3	feet	7.59	7.21	22.24	7.4
T4-S3A-N-080820-R1	T4-S3A-NB-080820-R1	8/20/08 10:30	22	feet	7.34	7.49	22.22	9.2
T4-S3A-N-080820-R1	T4-S3A-NC-080820-R1	8/20/08 10:30	41	feet	7.19	7.83	22.25	19.4
T4-S3M-E-080820-R1	T4-S3M-EA-080820-R1	8/20/08 11:25	3	feet	7.76	7.03	22.21	3.1
T4-S3M-E-080820-R1	T4-S3M-EB-080820-R1	8/20/08 11:25	31	feet	7.55	7.69	22.2	5.3
T4-S3M-E-080820-R1	T4-S3M-EC-080820-R1	8/20/08 11:25	59	feet	7.46	8.14	22.21	7.4
T4-S3M-S-080820-R1	T4-S3M-SA-080820-R1	8/20/08 11:30	3	feet	7.74	7.14	22.2	5.9
T4-S3M-S-080820-R1	T4-S3M-SB-080820-R1	8/20/08 11:30	28	feet	7.57	7.67	22.2	7.1
T4-S3M-S-080820-R1	T4-S3M-SC-080820-R1	8/20/08 11:30	53	feet	7.47	8.02	22.2	8.6
T4-S3M-M-080820-R1	T4-S3M-MA-080820-R1	8/20/08 11:40	3	feet	7.75	7.28	22.19	6.6
T4-S3M-M-080820-R1	T4-S3M-MB-080820-R1	8/20/08 11:40	29	feet	7.58	7.33	22.2	7
T4-S3M-M-080820-R1	T4-S3M-MC-080820-R1	8/20/08 11:40	55	feet	7.47	7.99	22.2	9.7
T4-S3M-N-080820-R1	T4-S3M-NA-080820-R1	8/20/08 11:45	3	feet	7.72	7.25	22.22	6.9
T4-S3M-N-080820-R1	T4-S3M-NB-080820-R1	8/20/08 11:45	16	feet	7.65	7.05	22.22	7.2
T4-S3M-N-080820-R1	T4-S3M-NC-080820-R1	8/20/08 11:45	30	feet	7.57	7.61	22.22	7.5
T4-S3A-E-080820-R2	T4-S3A-EA-080820-R2	8/20/08 12:20	3	feet	7.49	7.19	22.2	6.9
T4-S3A-E-080820-R2	T4-S3A-EB-080820-R2	8/20/08 12:20	23	feet	7.44	7.4	22.22	5.4
T4-S3A-E-080820-R2	T4-S3A-EC-080820-R2	8/20/08 12:20	43	feet	7.21	7.81	22.23	22.7
T4-S3A-S-080820-R2	T4-S3A-SA-080820-R2	8/20/08 12:30	3	feet	7.59	7.19	22.25	7.5
T4-S3A-S-080820-R2	T4-S3A-SB-080820-R2	8/20/08 12:30	23	feet	7.48	7.59	22.22	8.7
T4-S3A-S-080820-R2	T4-S3A-SC-080820-R2	8/20/08 12:30	43	feet	7.33	7.74	22.21	9.3
T4-S3A-M-080820-R2	T4-S3A-MA-080820-R2	8/20/08 12:40	3	feet	7.65	7.26	22.21	8.4
T4-S3A-M-080820-R2	T4-S3A-MB-080820-R2	8/20/08 12:40	22	feet	7.44	7.56	22.23	10.1
T4-S3A-M-080820-R2	T4-S3A-MC-080820-R2	8/20/08 12:40	41	feet	7.28	7.75	22.22	14.6
T4-S3A-N-080820-R2	T4-S3A-NA-080820-R2	8/20/08 12:45	3	feet	7.59	7.3	22.25	9.2
T4-S3A-N-080820-R2	T4-S3A-NB-080820-R2	8/20/08 12:45	22	feet	7.41	7.57	22.22	8.4
T4-S3A-N-080820-R2	T4-S3A-NC-080820-R2	8/20/08 12:45	40	feet	7.1	7.72	22.22	15.3
T4-S3M-E-080820-R2	T4-S3M-EA-080820-R2	8/20/08 13:00	3	feet	7.85	7.1	22.2	5.8
T4-S3M-E-080820-R2	T4-S3M-EB-080820-R2	8/20/08 13:00	30	feet	7.61	7.58	22.2	6.2
T4-S3M-E-080820-R2	T4-S3M-EC-080820-R2	8/20/08 13:00	57	feet	7.51	7.96	22.2	7
T4-S3M-S-080820-R2	T4-S3M-SA-080820-R2	8/20/08 13:10	3	feet	7.77	7.09	22.2	6.2
T4-S3M-S-080820-R2	T4-S3M-SB-080820-R2	8/20/08 13:10	28	feet	7.58	7.55	22.2	7.2
T4-S3M-S-080820-R2	T4-S3M-SC-080820-R2	8/20/08 13:10	53	feet	7.47	7.9	22.18	9.7
T4-S3M-M-080820-R2	T4-S3M-MA-080820-R2	8/20/08 13:20	3	feet	7.77	7.26	22.2	7
T4-S3M-M-080820-R2	T4-S3M-MB-080820-R2	8/20/08 13:20	29	feet	7.6	7.64	22.19	7.8
T4-S3M-M-080820-R2	T4-S3M-MC-080820-R2	8/20/08 13:20	55	feet	7.5	7.81	22.19	9.1
T4-S3M-N-080820-R2	T4-S3M-NA-080820-R2	8/20/08 13:25	3	feet	7.82	7.28	22.2	6.9
T4-S3M-N-080820-R2	T4-S3M-NB-080820-R2	8/20/08 13:25	17	feet	7.68	7.5	22.21	6.9
T4-S3M-N-080820-R2	T4-S3M-NC-080820-R2	8/20/08 13:25	31	feet	7.59	7.66	22.21	8
T4-S3A-E-080820-R3	T4-S3A-EA-080820-R3	8/20/08 15:55	3	feet	7.76	7.12	22.34	5.7
T4-S3A-E-080820-R3	T4-S3A-EB-080820-R3	8/20/08 15:55	24	feet	7.32	6.98	22.23	9.8
T4-S3A-E-080820-R3	T4-S3A-EC-080820-R3	8/20/08 15:55	45	feet	7.17	7.24	22.24	38.3
T4-S3A-M-080820-R3	T4-S3A-MA-080820-R3	8/20/08 16:15	3	feet	7.78	6.79	22.32	8
T4-S3A-M-080820-R3	T4-S3A-MB-080820-R3	8/20/08 16:15	25	feet	7.34	7.03	22.23	11.9
T4-S3A-M-080820-R3	T4-S3A-MC-080820-R3	8/20/08 16:15	48	feet	7.13	7.17	22.23	26.6
T4-S3A-N-080820-R3	T4-S3A-NA-080820-R3	8/20/08 16:20	3	feet	7.79	6.81	22.34	7.5

Field Parameter Water Quality Results - T4 Site

Location ID	Sample ID	Sample Date	Depth	Chemical:	Dissolved oxygen (field)	pH (field)	Temperature (field)	Turbidity (field)
				Unit:	mg/L	su	deg C	NTU
				Depth Unit[1]				
T4-S3A-S-080820-R3	T4-S3A-SA-080820-R3	8/20/08 16:20	3	feet	7.73	6.82	22.32	7.5
T4-S3A-S-080820-R3	T4-S3A-SB-080820-R3	8/20/08 16:20	19	feet	7.42	6.98	22.24	7.8
T4-S3A-N-080820-R3	T4-S3A-NB-080820-R3	8/20/08 16:20	21	feet	7.27	6.97	22.23	9.4
T4-S3A-S-080820-R3	T4-S3A-SC-080820-R3	8/20/08 16:20	35	feet	7.2	7.11	22.22	10.6
T4-S3A-N-080820-R3	T4-S3A-NC-080820-R3	8/20/08 16:20	40	feet	7.09	7.09	22.23	18.6
T4-S3M-E-080820-R3	T4-S3M-EA-080820-R3	8/20/08 16:35	3	feet	7.85	6.83	22.27	6.5
T4-S3M-E-080820-R3	T4-S3M-EB-080820-R3	8/20/08 16:35	29	feet	7.48	7.1	22.15	7.8
T4-S3M-E-080820-R3	T4-S3M-EC-080820-R3	8/20/08 16:35	55	feet	7.25	7.27	22.15	11.6
T4-S3M-M-080820-R3	T4-S3M-MA-080820-R3	8/20/08 16:40	3	feet	7.8	6.83	22.22	6.8
T4-S3M-M-080820-R3	T4-S3M-MB-080820-R3	8/20/08 16:40	26	feet	7.52	7.06	22.16	7.1
T4-S3M-M-080820-R3	T4-S3M-MC-080820-R3	8/20/08 16:40	53	feet	7.37	7.26	22.14	9.2
T4-S3M-N-080820-R3	T4-S3M-NA-080820-R3	8/20/08 16:45	3	feet	7.8	6.82	22.22	7.2
T4-S3M-N-080820-R3	T4-S3M-NB-080820-R3	8/20/08 16:45	16	feet	7.54	6.94	22.17	7.5
T4-S3M-N-080820-R3	T4-S3M-NC-080820-R3	8/20/08 16:45	29	feet	7.44	7.07	22.16	8.4
T4-S3M-S-080820-R3	T4-S3M-SA-080820-R3	8/20/08 16:50	3	feet	7.74	6.82	22.24	5.7
T4-S3M-S-080820-R3	T4-S3M-SB-080820-R3	8/20/08 16:50	22	feet	7.53	7.07	22.16	5.9
T4-S3M-S-080820-R3	T4-S3M-SC-080820-R3	8/20/08 16:50	52	feet	7.38	7.28	22.13	6.9
T4-BG-01-080820-R4	T4-BG-01A-080820-R4	8/20/08 17:05	3	feet	7.75	6.85	22.18	5
T4-BG-01-080820-R4	T4-BG-01B-080820-R4	8/20/08 17:05	23	feet	7.52	7.04	22.15	5.3
T4-BG-01-080820-R4	T4-BG-01C-080820-R4	8/20/08 17:05	42	feet	7.37	7.16	22.12	6.7
T4-S3A-E-080820-R4	T4-S3A-EA-080820-R4	8/20/08 18:55	3	feet	7.96	6.85	22.31	4.8
T4-S3A-E-080820-R4	T4-S3A-EB-080820-R4	8/20/08 18:55	25	feet	7.32	6.85	22.23	7.7
T4-S3A-E-080820-R4	T4-S3A-EC-080820-R4	8/20/08 18:55	47	feet	7.14	6.93	22.24	45.5
T4-S3A-N-080820-R4	T4-S3A-NA-080820-R4	8/20/08 19:10	3	feet	7.81	6.75	22.3	5.3
T4-S3A-N-080820-R4	T4-S3A-NB-080820-R4	8/20/08 19:10	23	feet	7.18	6.91	22.23	11.7
T4-S3A-N-080820-R4	T4-S3A-NC-080820-R4	8/20/08 19:10	43	feet	6.97	7	22.22	13.1
T4-S3A-M-080820-R4	T4-S3A-MA-080820-R4	8/20/08 19:15	3	feet	7.96	6.8	22.27	5.6
T4-S3A-M-080820-R4	T4-S3A-MB-080820-R4	8/20/08 19:15	24	feet	7.51	7	22.19	6.3
T4-S3A-M-080820-R4	T4-S3A-MC-080820-R4	8/20/08 19:15	45	feet	7.29	7.16	22.21	8.8
T4-S3A-S-080820-R4	T4-S3A-SA-080820-R4	8/20/08 19:20	3	feet	7.97	6.83	22.26	6.1
T4-S3A-S-080820-R4	T4-S3A-SB-080820-R4	8/20/08 19:20	21	feet	7.61	6.96	22.21	6.1
T4-S3A-S-080820-R4	T4-S3A-SC-080820-R4	8/20/08 19:20	39	feet	7.12	7.09	22.21	18.5
T4-S3M-E-080820-R4	T4-S3M-EA-080820-R4	8/20/08 19:30	3	feet	7.73	6.81	22.23	8.2
T4-S3M-E-080820-R4	T4-S3M-EB-080820-R4	8/20/08 19:30	31	feet	7.55	7.12	22.22	9.8
T4-S3M-E-080820-R4	T4-S3M-EC-080820-R4	8/20/08 19:30	59	feet	7.4	7.34	22.2	13.7
T4-S3M-M-080820-R4	T4-S3M-MA-080820-R4	8/20/08 19:35	3	feet	7.69	6.8	22.22	9.1
T4-S3M-M-080820-R4	T4-S3M-MB-080820-R4	8/20/08 19:35	30	feet	7.56	7.08	22.21	10.3
T4-S3M-M-080820-R4	T4-S3M-MC-080820-R4	8/20/08 19:35	57	feet	7.4	7.24	22.19	11.4
T4-S3M-N-080820-R4	T4-S3M-NA-080820-R4	8/20/08 19:40	3	feet	7.71	6.85	22.21	8.3
T4-S3M-N-080820-R4	T4-S3M-NB-080820-R4	8/20/08 19:40	17	feet	7.66	7.02	22.22	8
T4-S3M-N-080820-R4	T4-S3M-NC-080820-R4	8/20/08 19:40	31	feet	7.51	7.14	22.2	8.9
T4-S3M-S-080820-R4	T4-S3M-SA-080820-R4	8/20/08 19:45	3	feet	7.68	6.89	22.21	9.4
T4-S3M-S-080820-R4	T4-S3M-SB-080820-R4	8/20/08 19:45	29	feet	7.54	7.16	22.21	10.5
T4-S3M-S-080820-R4	T4-S3M-SC-080820-R4	8/20/08 19:45	56	feet	7.41	7.21	22.2	13.2
T4-BG-01-080820-R5	T4-BG-01A-080820-R5	8/20/08 20:00	3	feet	7.74	6.88	22.19	7.1
T4-BG-01-080820-R5	T4-BG-01B-080820-R5	8/20/08 20:00	23	feet	7.59	7.12	22.19	7.4
T4-BG-01-080820-R5	T4-BG-01C-080820-R5	8/20/08 20:00	43	feet	7.54	7.29	22.19	7.9
T4-S3M-S-080820-R5	T4-S3M-SA-080820-R5	8/20/08 20:15	3	feet	7.83	6.97	22.14	6.9
T4-S3M-S-080820-R5	T4-S3M-SB-080820-R5	8/20/08 20:15	29	feet	7.59	7.22	22.21	7.7
T4-S3M-S-080820-R5	T4-S3M-SC-080820-R5	8/20/08 20:15	56	feet	7.47	7.39	22.11	14.4
T4-S3M-N-080820-R5	T4-S3M-NA-080820-R5	8/20/08 20:50	3	feet	7.58	6.96	22.16	8.8
T4-S3M-N-080820-R5	T4-S3M-NB-080820-R5	8/20/08 20:50	18	feet	7.53	6.65	22.19	8.5
T4-S3M-N-080820-R5	T4-S3M-NC-080820-R5	8/20/08 20:50	33	feet	7.43	6.64	22.19	15.5
T4-S3M-M-080820-R5	T4-S3M-MA-080820-R5	8/20/08 21:00	3	feet	7.72	6.79	22.18	7.7
T4-S3M-M-080820-R5	T4-S3M-MB-080820-R5	8/20/08 21:00	30	feet	7.58	6.63	22.18	8.5
T4-S3M-M-080820-R5	T4-S3M-MC-080820-R5	8/20/08 21:00	57	feet	7.58	7.33	22.06	10.5
T4-S3M-S-080820-R6	T4-S3M-SA-080820-R6	8/20/08 21:05	3	feet	7.78	6.78	22.1	6.9
T4-S3M-S-080820-R6	T4-S3M-SB-080820-R6	8/20/08 21:05	29	feet	7.52	7.11	22.2	8.3
T4-S3M-S-080820-R6	T4-S3M-SC-080820-R6	8/20/08 21:05	55	feet	7.47	7.39	22.18	10.3
T4-S3M-N-080820-R6	T4-S3M-NA-080820-R6	8/20/08 21:15	3	feet	7.66	6.8	22.16	7.9
T4-S3M-N-080820-R6	T4-S3M-NB-080820-R6	8/20/08 21:15	20	feet	7.57	6.91	22.19	8.1
T4-S3M-N-080820-R6	T4-S3M-NC-080820-R6	8/20/08 21:15	37	feet	7.49	7.2	22.17	9.8
T4-BG-01-080821	T4-BG-01A-080821	8/21/08 7:20	3	feet	7.45	7.11	21.94	4.8
T4-BG-01-080821	T4-BG-01B-080821	8/21/08 7:20	22	feet	7.36	7.58	21.94	5.5
T4-BG-01-080821	T4-BG-01C-080821	8/21/08 7:20	40	feet	7.3	7.85	21.95	4.8
T4-S3A-E-080821-R1	T4-S3A-EA-080821-R1	8/21/08 8:00	3	feet	7.21	7.13	21.99	6.6
T4-S3A-E-080821-R1	T4-S3A-EB-080821-R1	8/21/08 8:00	25	feet	7.11	7.6	22.03	6.8
T4-S3A-E-080821-R1	T4-S3A-EC-080821-R1	8/21/08 8:00	48	feet	6.97	7.86	21.98	12
T4-S3A-S-080821-R1	T4-S3A-SA-080821-R1	8/21/08 8:27	3	feet	7.25	7.42	21.97	7.6
T4-S3A-S-080821-R1	T4-S3A-SB-080821-R1	8/21/08 8:27	21	feet	7.21	7.7	21.99	6.4
T4-S3A-S-080821-R1	T4-S3A-SC-080821-R1	8/21/08 8:27	39	feet	7.2	7.83	21.95	7.2
T4-S3A-M-080821-R1	T4-S3A-MA-080821-R1	8/21/08 8:37	3	feet	7.28	7.4	21.98	8.8
T4-S3A-M-080821-R1	T4-S3A-MB-080821-R1	8/21/08 8:37	26	feet	7.24	7.79	21.95	7.2
T4-S3A-M-080821-R1	T4-S3A-MC-080821-R1	8/21/08 8:37	49	feet	7.14	7.89	21.94	10.5
T4-S3A-N-080821-R1	T4-S3A-NA-080821-R1	8/21/08 8:52	3	feet	7.2	7.46	21.94	7.8
T4-S3A-N-080821-R1	T4-S3A-NB-080821-R1	8/21/08 8:52	22	feet	7.02	7.73	22.01	21.2
T4-S3A-N-080821-R1	T4-S3A-NC-080821-R1	8/21/08 8:52	41	feet	6.9	7.79	22.02	25.4
T4-S3M-E-080821-R1	T4-S3M-EA-080821-R1	8/21/08 10:15	3	feet	7.43	7.07	21.94	4.9
T4-S3M-E-080821-R1	T4-S3M-EB-080821-R1	8/21/08 10:15	30	feet	7.3	7.14	21.95	5.1
T4-S3M-E-080821-R1	T4-S3M-EC-080821-R1	8/21/08 10:15	58	feet	7.19	7.79	21.94	7.7
T4-S3M-S-080821-R1	T4-S3M-SA-080821-R1	8/21/08 10:25	3	feet	7.4	7.27	21.92	7
T4-S3M-S-080821-R1	T4-S3M-SB-080821-R1	8/21/08 10:25	29	feet	7.28	7.81	21.95	6.9
T4-S3M-S-080821-R1	T4-S3M-SC-080821-R1	8/21/08 10:25	55	feet	7.21	8.07	21.94	11

Field Parameter Water Quality Results - T4 Site

Location ID	Sample ID	Sample Date	Depth	Chemical:	Dissolved oxygen (field)	pH (field)	Temperature (field)	Turbidity (field)
				Unit:	mg/L	su	deg C	NTU
				Depth Unit[1]				
T4-S3M-M-080821-R1	T4-S3M-MA-080821-R1	8/21/08 10:40	3	feet	7.49	7.44	21.98	7.9
T4-S3M-M-080821-R1	T4-S3M-MB-080821-R1	8/21/08 10:40	29	feet	7.29	7.87	21.96	7.9
T4-S3M-M-080821-R1	T4-S3M-MC-080821-R1	8/21/08 10:40	56	feet	7.2	8.1	21.95	10.5
T4-S3M-N-080821-R1	T4-S3M-NA-080821-R1	8/21/08 10:50	3	feet	7.5	7.48	21.95	6.6
T4-S3M-N-080821-R1	T4-S3M-NB-080821-R1	8/21/08 10:50	18	feet	7.31	7.72	21.97	7.3
T4-S3M-N-080821-R1	T4-S3M-NC-080821-R1	8/21/08 10:50	33	feet	7.28	7.83	21.97	7.6
T4-BG-04-080821	T4-BG-04-A-080821	8/21/08 15:00	3	feet	7.75	7.2	22.39	4.9
T4-BG-04-080821	T4-BG-04-B-080821	8/21/08 15:00	34	feet	7.3	7.09	21.98	6.6
T4-BG-04-080821	T4-BG-04-C-080821	8/21/08 15:00	65	feet	7.11	8.04	21.96	11.1
T4-S3A-E-080821-R2	T4-S3A-EA-080821-R2	8/21/08 16:10	3	feet	7.28	7.28	22.58	4.8
T4-S3A-E-080821-R2	T4-S3A-EB-080821-R2	8/21/08 16:10	25	feet	6.55	7.16	22.04	11.9
T4-S3A-E-080821-R2	T4-S3A-EC-080821-R2	8/21/08 16:10	47	feet	6.5	7.16	22.11	34.4
T4-S3A-M-080821-R2	T4-S3A-MA-080821-R2	8/21/08 16:20	3	feet	7.16	7.27	22.48	6.4
T4-S3A-M-080821-R2	T4-S3A-MB-080821-R2	8/21/08 16:20	23	feet	6.54	7.18	22.03	12.6
T4-S3A-M-080821-R2	T4-S3A-MC-080821-R2	8/21/08 16:20	44	feet	6.39	7.16	22.06	22.4
T4-S3A-N-080821-R2	T4-S3A-NA-080821-R2	8/21/08 16:25	3	feet	7.23	7.3	22.55	5.8
T4-S3A-N-080821-R2	T4-S3A-NB-080821-R2	8/21/08 16:25	23	feet	6.59	7.2	22.03	8.3
T4-S3A-N-080821-R2	T4-S3A-NC-080821-R2	8/21/08 16:25	43	feet	6.47	7.17	22.07	24
T4-S3A-S-080821-R2	T4-S3A-SA-080821-R2	8/21/08 16:35	3	feet	7.29	7.31	22.62	5.5
T4-S3A-S-080821-R2	T4-S3A-SB-080821-R2	8/21/08 16:35	20	feet	6.71	7.21	22.06	8.6
T4-S3A-S-080821-R2	T4-S3A-SC-080821-R2	8/21/08 16:35	37	feet	6.44	7.17	22.01	11.6
T4-S3M-E-080821-R2	T4-S3M-EA-080821-R2	8/21/08 16:45	3	feet	7.26	7.31	22.39	5.8
T4-S3M-E-080821-R2	T4-S3M-EB-080821-R2	8/21/08 16:45	30	feet	6.74	7.21	21.98	7.3
T4-S3M-E-080821-R2	T4-S3M-EC-080821-R2	8/21/08 16:45	56	feet	6.42	7.18	21.94	14.8
T4-S3M-M-080821-R2	T4-S3M-MA-080821-R2	8/21/08 16:50	3	feet	6.97	7.25	22.12	5.7
T4-S3M-M-080821-R2	T4-S3M-MB-080821-R2	8/21/08 16:50	28	feet	6.76	7.21	21.97	5.9
T4-S3M-M-080821-R2	T4-S3M-MC-080821-R2	8/21/08 16:50	54	feet	6.64	7.2	21.95	8.2
T4-S3M-N-080821-R2	T4-S3M-NA-080821-R2	8/21/08 16:55	3	feet	7.32	7.33	22.49	5.9
T4-S3M-N-080821-R2	T4-S3M-NB-080821-R2	8/21/08 16:55	16	feet	6.88	7.23	22.03	6.3
T4-S3M-N-080821-R2	T4-S3M-NC-080821-R2	8/21/08 16:55	29	feet	6.69	7.21	21.98	8
T4-S3M-S-080821-R2	T4-S3M-SA-080821-R2	8/21/08 17:00	3	feet	7.27	7.32	22.32	6.3
T4-S3M-S-080821-R2	T4-S3M-SB-080821-R2	8/21/08 17:00	27	feet	6.81	7.22	21.98	6.9
T4-S3M-S-080821-R2	T4-S3M-SC-080821-R2	8/21/08 17:00	52	feet	6.65	7.21	21.95	9.2
T4-S3A-E-080821-R3	T4-S3A-EA-080821-R3	8/21/08 18:50	3	feet	7.3	7.33	22.37	3.2
T4-S3A-E-080821-R3	T4-S3A-EB-080821-R3	8/21/08 18:50	25	feet	6.52	7.22	22.08	20.1
T4-S3A-E-080821-R3	T4-S3A-EC-080821-R3	8/21/08 18:50	48	feet	6.44	7.21	22.09	29.5
T4-S3A-M-080821-R3	T4-S3A-MA-080821-R3	8/21/08 19:00	3	feet	7.26	7.32	22.41	5.1
T4-S3A-M-080821-R3	T4-S3A-MB-080821-R3	8/21/08 19:00	23	feet	6.57	7.21	22.04	16.2
T4-S3A-M-080821-R3	T4-S3A-MC-080821-R3	8/21/08 19:00	43	feet	6.45	7.19	22.02	12.9
T4-S3A-N-080821-R3	T4-S3A-NA-080821-R3	8/21/08 19:05	3	feet	7.05	7.29	22.37	5.8
T4-S3A-N-080821-R3	T4-S3A-NB-080821-R3	8/21/08 19:05	23	feet	6.44	7.2	22.09	25.3
T4-S3A-N-080821-R3	T4-S3A-NC-080821-R3	8/21/08 19:05	44	feet	6.34	7.18	22.02	18.3
T4-S3A-S-080821-R3	T4-S3A-SA-080821-R3	8/21/08 19:15	3	feet	7.52	7.37	22.44	5.1
T4-S3A-S-080821-R3	T4-S3A-SB-080821-R3	8/21/08 19:15	21	feet	6.72	7.22	22.04	10.3
T4-S3A-S-080821-R3	T4-S3A-SC-080821-R3	8/21/08 19:15	39	feet	6.49	7.2	22	12.9
T4-S3M-E-080821-R3	T4-S3M-EA-080821-R3	8/21/08 19:25	3	feet	7.29	7.31	22.08	4.4
T4-S3M-E-080821-R3	T4-S3M-EB-080821-R3	8/21/08 19:25	30	feet	6.71	7.23	21.97	5.3
T4-S3M-E-080821-R3	T4-S3M-EC-080821-R3	8/21/08 19:25	57	feet	6.57	7.21	21.94	8.7
T4-S3M-M-080821-R3	T4-S3M-MA-080821-R3	8/21/08 19:30	3	feet	7.1	7.28	22.15	7.6
T4-S3M-M-080821-R3	T4-S3M-MB-080821-R3	8/21/08 19:30	32	feet	6.76	7.22	21.97	8.1
T4-S3M-M-080821-R3	T4-S3M-MC-080821-R3	8/21/08 19:30	62	feet	6.55	7.21	21.95	10.3
T4-S3M-S-080821-R3	T4-S3M-SA-080821-R3	8/21/08 19:40	3	feet	7.12	7.3	22.15	5
T4-S3M-S-080821-R3	T4-S3M-SB-080821-R3	8/21/08 19:40	26	feet	6.87	7.24	21.97	5.6
T4-S3M-S-080821-R3	T4-S3M-SC-080821-R3	8/21/08 19:40	54	feet	6.61	7.21	21.95	7.3
T4-S3M-N-080821-R3	T4-S3M-NA-080821-R3	8/21/08 19:50	3	feet	6.93	7.31	22.04	5.9
T4-S3M-N-080821-R3	T4-S3M-NB-080821-R3	8/21/08 19:50	18	feet	6.77	7.22	21.99	7.2
T4-S3M-N-080821-R3	T4-S3M-NC-080821-R3	8/21/08 19:50	33	feet	6.68	7.22	21.98	7.7
T4-BG-01R-080822	T4-BG-01RA-080822-R1	8/22/08 8:20	3	feet	9.04	7.41	21.8	8.5
T4-BG-01R-080822	T4-BG-01RB-080822-R1	8/22/08 8:20	36	feet	8.57	7.34	21.92	8.8
T4-BG-01R-080822	T4-BG-01RC-080822-R1	8/22/08 8:20	69	feet	8.42	7.33	21.89	9.6
T4-S3A-E-080822	T4-S3A-EA-080822-R1	8/22/08 8:42	3	feet	8.81	7.42	21.73	7.6
T4-S3A-E-080822	T4-S3A-EB-080822-R1	8/22/08 8:42	26	feet	8.41	7.33	21.84	10.7
T4-S3A-E-080822	T4-S3A-EC-080822-R1	8/22/08 8:42	48	feet	8.22	7.31	21.87	17.1
T4-S3A-S-080822	T4-S3A-SA-080822-R1	8/22/08 9:03	3	feet	8.77	7.39	21.87	6.8
T4-S3A-S-080822	T4-S3A-SB-080822-R1	8/22/08 9:03	21	feet	8.47	7.32	21.88	7.1
T4-S3A-S-080822	T4-S3A-SC-080822-R1	8/22/08 9:03	39	feet	8.26	7.29	21.87	7
T4-S3A-M-080822	T4-S3A-MA-080822-R1	8/22/08 9:10	3	feet	8.7	7.38	21.89	8.6
T4-S3A-M-080822	T4-S3A-MB-080822-R1	8/22/08 9:10	24	feet	8.37	7.29	21.89	7.5
T4-S3A-M-080822	T4-S3A-MC-080822-R1	8/22/08 9:10	45	feet	8.17	7.27	21.87	7.1
T4-S3A-N-080822	T4-S3A-NA-080822-R1	8/22/08 9:17	3	feet	8.49	7.32	21.89	8.9
T4-S3A-N-080822	T4-S3A-NB-080822-R1	8/22/08 9:17	21	feet	8.21	7.27	21.87	8.7
T4-S3A-N-080822	T4-S3A-NC-080822-R1	8/22/08 9:17	39	feet	8.12	7.26	21.87	9.5
T4-S3A-E-080822-R2	T4-S3A-EA-080822-R2	8/22/08 11:57	3	feet	9.11	7.3	22.48	3.7
T4-S3A-E-080822-R2	T4-S3A-EB-080822-R2	8/22/08 11:57	24	feet	8.62	7.19	21.98	5.6
T4-S3A-E-080822-R2	T4-S3A-EC-080822-R2	8/22/08 11:57	45	feet	8.27	7.16	22	16.1
T4-S3A-S-080822-R2	T4-S3A-SA-080822-R2	8/22/08 12:18	3	feet	9.05	7.19	22.47	4.6
T4-S3A-S-080822-R2	T4-S3A-SB-080822-R2	8/22/08 12:18	20	feet	8.52	7.16	21.98	7.9
T4-S3A-S-080822-R2	T4-S3A-SC-080822-R2	8/22/08 12:18	38	feet	8.1	7.14	21.91	16.8
T4-S3A-M-080822-R2	T4-S3A-MA-080822-R2	8/22/08 12:25	3	feet	8.95	7.27	22.4	5.8
T4-S3A-M-080822-R2	T4-S3A-MB-080822-R2	8/22/08 12:25	25	feet	8.4	7.18	21.96	11.6
T4-S3A-M-080822-R2	T4-S3A-MC-080822-R2	8/22/08 12:25	47	feet	8.24	7.17	21.94	17.3
T4-S3A-N-080822-R2	T4-S3A-NA-080822-R2	8/22/08 12:30	3	feet	8.94	7.27	22.19	6.6
T4-S3A-N-080822-R2	T4-S3A-NB-080822-R2	8/22/08 12:30	20	feet	8.48	7.19	21.96	7.7

Field Parameter Water Quality Results - T4 Site

Location ID	Sample ID	Sample Date	Depth	Chemical:	Dissolved oxygen (field)	pH (field)	Temperature (field)	Turbidity (field)
				Unit:	mg/L	su	deg C	NTU
				Depth Unit[1]				
T4-S3A-N-080822-R2	T4-S3A-NC-080822-R2	8/22/08 12:30	38	feet	8.25	7.18	21.91	11.4
T4-S3M-E-080822-R2	T4-S3M-EA-080822-R2	8/22/08 12:45	3	feet	8.87	7.25	22.15	8.2
T4-S3M-E-080822-R2	T4-S3M-EB-080822-R2	8/22/08 12:45	30	feet	8.5	7.2	21.94	9.3
T4-S3M-E-080822-R2	T4-S3M-EC-080822-R2	8/22/08 12:45	57	feet	8.34	7.19	21.93	12.6
T4-S3M-S-080822-R2	T4-S3M-SA-080822-R2	8/22/08 12:50	3	feet	8.95	7.26	22.27	6.9
T4-S3M-S-080822-R2	T4-S3M-SB-080822-R2	8/22/08 12:50	30	feet	8.61	7.21	21.97	7.7
T4-S3M-S-080822-R2	T4-S3M-SC-080822-R2	8/22/08 12:50	57	feet	8.4	7.2	21.93	11.3
T4-S3M-M-080822-R2	T4-S3M-MA-080822-R2	8/22/08 12:55	3	feet	8.87	7.27	22.07	8
T4-S3M-M-080822-R2	T4-S3M-MB-080822-R2	8/22/08 12:55	29	feet	8.57	7.21	21.94	8.5
T4-S3M-M-080822-R2	T4-S3M-MC-080822-R2	8/22/08 12:55	55	feet	8.35	7.2	21.93	12.8
T4-S3M-N-080822-R2	T4-S3M-NA-080822-R2	8/22/08 13:05	3	feet	8.94	7.28	22.39	7.2
T4-S3M-N-080822-R2	T4-S3M-NB-080822-R2	8/22/08 13:05	17	feet	8.55	7.22	21.98	10.3
T4-S3M-N-080822-R2	T4-S3M-NC-080822-R2	8/22/08 13:05	31	feet	8.47	7.2	21.93	12.2
T4-S3A-E-080822-R3	T4-S3A-EA-080822-R3	8/22/08 15:00	3	feet	8.79	7.13	22.61	6.6
T4-S3A-E-080822-R3	T4-S3A-EB-080822-R3	8/22/08 15:00	25	feet	8.04	7.02	22.03	15.8
T4-S3A-E-080822-R3	T4-S3A-EC-080822-R3	8/22/08 15:00	46	feet	7.79	7.02	21.98	18.8
T4-S3A-N-080822-R3	T4-S3A-NA-080822-R3	8/22/08 16:15	3	feet	9.1	7.14	23.06	4.7
T4-S3A-N-080822-R3	T4-S3A-NB-080822-R3	8/22/08 16:15	22	feet	8.4	7.04	22.07	4.9
T4-S3A-N-080822-R3	T4-S3A-NC-080822-R3	8/22/08 16:15	41	feet	7.9	6.99	21.96	13.3
T4-S3A-M-080822-R3	T4-S3A-MA-080822-R3	8/22/08 16:25	3	feet	9.11	7.16	22.96	5.7
T4-S3A-M-080822-R3	T4-S3A-MB-080822-R3	8/22/08 16:25	22	feet	8.13	7.03	22.05	11.4
T4-S3A-M-080822-R3	T4-S3A-MC-080822-R3	8/22/08 16:25	40	feet	7.96	7.01	21.96	13.2
T4-S3A-S-080822-R3	T4-S3A-SA-080822-R3	8/22/08 16:30	3	feet	9.03	7.17	23.02	5.5
T4-S3A-S-080822-R3	T4-S3A-SB-080822-R3	8/22/08 16:30	20	feet	8.27	7.04	22.07	6.1
T4-S3A-S-080822-R3	T4-S3A-SC-080822-R3	8/22/08 16:30	37	feet	7.99	7.02	21.96	10.9
T4-S3M-E-080822-R3	T4-S3M-EA-080822-R3	8/22/08 16:40	3	feet	8.92	7.13	22.46	5.5
T4-S3M-E-080822-R3	T4-S3M-EB-080822-R3	8/22/08 16:40	30	feet	8.51	7.08	22.05	6.1
T4-S3M-E-080822-R3	T4-S3M-EC-080822-R3	8/22/08 16:40	56	feet	7.8	7	21.95	9.7
T4-S3M-M-080822-R3	T4-S3M-MA-080822-R3	8/22/08 16:50	3	feet	8.84	7.12	22.36	5.5
T4-S3M-M-080822-R3	T4-S3M-MB-080822-R3	8/22/08 16:50	29	feet	8.42	7.07	22.03	6.1
T4-S3M-M-080822-R3	T4-S3M-MC-080822-R3	8/22/08 16:50	55	feet	8.25	7.06	21.94	9.4
T4-S3M-S-080822-R3	T4-S3M-SA-080822-R3	8/22/08 17:00	3	feet	8.73	7.12	22.31	9.1
T4-S3M-S-080822-R3	T4-S3M-SB-080822-R3	8/22/08 17:00	27	feet	8.4	7.08	22.06	10.4
T4-S3M-S-080822-R3	T4-S3M-SC-080822-R3	8/22/08 17:00	52	feet	8.27	7.06	22.03	16.4
T4-S3M-N-080822-R3	T4-S3M-NA-080822-R3	8/22/08 17:10	3	feet	9.1	7.2	22.62	4.5
T4-S3M-N-080822-R3	T4-S3M-NB-080822-R3	8/22/08 17:10	16	feet	8.75	7.13	22.26	4.8
T4-S3M-N-080822-R3	T4-S3M-NC-080822-R3	8/22/08 17:10	29	feet	8.51	7.1	22.11	5.7
T4-BG-01R-080822-R4	T4-BG-01RA-080822-R4	8/22/08 17:45	3	feet	9.05	7.12	22.46	4.4
T4-BG-01R-080822-R4	T4-BG-01RB-080822-R4	8/22/08 17:45	32	feet	8.49	7.06	22.03	5.9
T4-BG-01R-080822-R4	T4-BG-01RC-080822-R4	8/22/08 17:45	60	feet	8.34	7.06	21.95	10.2
T4-S3M-S-080822-R4	T4-S3M-SA-080822-R4	8/22/08 17:55	3	feet	9.09	7.18	22.41	5.5
T4-S3M-S-080822-R4	T4-S3M-SB-080822-R4	8/22/08 17:55	28	feet	8.58	7.1	22.08	6.6
T4-S3M-S-080822-R4	T4-S3M-SC-080822-R4	8/22/08 17:55	53	feet	8.37	7.08	21.97	9.3
T4-S3A-E-080822-R5	T4-S3A-EA-080822-R5	8/22/08 20:00	3	feet	9	7.23	22.57	4.5
T4-S3A-E-080822-R5	T4-S3A-EB-080822-R5	8/22/08 20:00	25	feet	8.26	7.12	22.13	16.8
T4-S3A-E-080822-R5	T4-S3A-EC-080822-R5	8/22/08 20:00	47	feet	8	7.11	22.09	22
T4-S3A-N-080822-R5	T4-S3A-NA-080822-R5	8/22/08 20:05	3	feet	9.11	7.25	22.8	5.5
T4-S3A-N-080822-R5	T4-S3A-NB-080822-R5	8/22/08 20:05	21	feet	8.49	7.16	22.26	5.5
T4-S3A-N-080822-R5	T4-S3A-NC-080822-R5	8/22/08 20:05	39	feet	7.99	7.1	22.09	24.6
T4-S3A-M-080822-R5	T4-S3A-MA-080822-R5	8/22/08 20:15	3	feet	9.01	7.23	22.36	7.7
T4-S3A-M-080822-R5	T4-S3A-MB-080822-R5	8/22/08 20:15	23	feet	8.57	7.17	22.22	6.8
T4-S3A-M-080822-R5	T4-S3A-MC-080822-R5	8/22/08 20:15	43	feet	7.98	7.1	22.07	11.9
T4-S3A-S-080822-R5	T4-S3A-SA-080822-R5	8/22/08 20:20	3	feet	9.07	7.24	22.74	5.4
T4-S3A-S-080822-R5	T4-S3A-SB-080822-R5	8/22/08 20:20	22	feet	8.45	7.15	22.19	6.2
T4-S3A-S-080822-R5	T4-S3A-SC-080822-R5	8/22/08 20:20	41	feet	8.12	7.11	22.08	12.4
T4-S3M-E-080822-R5	T4-S3M-EA-080822-R5	8/22/08 20:40	3	feet	8.61	7.19	22.19	6.2
T4-S3M-E-080822-R5	T4-S3M-EB-080822-R5	8/22/08 20:40	31	feet	8.29	7.13	22.03	7.4
T4-S3M-E-080822-R5	T4-S3M-EC-080822-R5	8/22/08 20:40	59	feet	8.01	7.13	21.95	9.2
T4-S3M-M-080822-R5	T4-S3M-MA-080822-R5	8/22/08 20:50	3	feet	8.57	7.18	22.15	7.6
T4-S3M-M-080822-R5	T4-S3M-MB-080822-R5	8/22/08 20:50	29	feet	8.26	7.13	21.99	9.5
T4-S3M-M-080822-R5	T4-S3M-MC-080822-R5	8/22/08 20:50	56	feet	8.01	7.13	21.94	11.7
T4-S3M-S-080822-R5	T4-S3M-SA-080822-R5	8/22/08 20:55	3	feet	8.77	7.22	22.19	6.8
T4-S3M-S-080822-R5	T4-S3M-SB-080822-R5	8/22/08 20:55	28	feet	8.15	7.13	21.95	8.7
T4-S3M-S-080822-R5	T4-S3M-SC-080822-R5	8/22/08 20:55	54	feet	8.03	7.12	21.94	10.5
T4-S3M-N-080822-R5	T4-S3M-NA-080822-R5	8/22/08 21:00	3	feet	8.68	7.21	22.25	7.2
T4-S3M-N-080822-R5	T4-S3M-NB-080822-R5	8/22/08 21:00	18	feet	8.37	7.15	22.11	8.1
T4-S3M-N-080822-R5	T4-S3M-NC-080822-R5	8/22/08 21:00	33	feet	8.13	7.13	21.98	10.1
T4-BG-01R-080823-R1	T4-BG-01R-A-080823-R1	8/23/08 9:30	3	feet	7.53	7.31	21.89	5.9
T4-BG-01R-080823-R1	T4-BG-01R-B-080823-R1	8/23/08 9:30	36	feet	7.45	7.28	21.94	7.9
T4-BG-01R-080823-R1	T4-BG-01R-C-080823-R1	8/23/08 9:30	70	feet	7.32	7.25	21.94	8.9
T4-S3A-E-080823-R1	T4-S3A-EA-080823-R1	8/23/08 9:55	3	feet	8.12	7.34	23.34	2.7
T4-S3A-E-080823-R1	T4-S3A-EB-080823-R1	8/23/08 9:55	25	feet	6.85	7.12	22.17	16.2
T4-S3A-E-080823-R1	T4-S3A-EC-080823-R1	8/23/08 9:55	47	feet	6.59	7.11	22.07	17.5
T4-S3A-S-080823-R1	T4-S3A-SA-080823-R1	8/23/08 10:15	3	feet	7.39	7.24	22.08	8.4
T4-S3A-S-080823-R1	T4-S3A-SB-080823-R1	8/23/08 10:15	20	feet	7.18	7.2	22.03	8.3
T4-S3A-S-080823-R1	T4-S3A-SC-080823-R1	8/23/08 10:15	37	feet	7.13	7.19	22.01	10.6
T4-S3A-M-080823-R1	T4-S3A-MA-080823-R1	8/23/08 10:35	3	feet	7.32	7.28	22.13	12.5
T4-S3A-M-080823-R1	T4-S3A-MB-080823-R1	8/23/08 10:35	24	feet	7.11	7.19	22.04	12.8
T4-S3A-M-080823-R1	T4-S3A-MC-080823-R1	8/23/08 10:35	45	feet	6.9	7.14	22.02	35
T4-S3A-N-080823-R1	T4-S3A-NA-080823-R1	8/23/08 10:40	3	feet	7.21	7.21	22.15	11.4
T4-S3A-N-080823-R1	T4-S3A-NB-080823-R1	8/23/08 10:40	21	feet	6.87	7.14	22.07	11
T4-S3A-N-080823-R1	T4-S3A-NC-080823-R1	8/23/08 10:40	39	feet	6.92	7.15	22.03	16.1
T4-S3M-E-080823-R1	T4-S3M-EA-080823-R1	8/23/08 11:40	3	feet	7.62	7.23	22.2	6.7

Field Parameter Water Quality Results - T4 Site

Location ID	Sample ID	Sample Date	Depth	Chemical:	Dissolved oxygen (field)	pH (field)	Temperature (field)	Turbidity (field)
				Unit:	mg/L	su	deg C	NTU
				Depth Unit[1]				
T4-S3M-E-080823-R1	T4-S3M-EB-080823-R1	8/23/08 11:40	28	feet	7.39	7.2	22	7.9
T4-S3M-E-080823-R1	T4-S3M-EC-080823-R1	8/23/08 11:40	53	feet	7.32	7.18	21.96	9.1
T4-S3M-M-080823-R1	T4-S3M-MA-080823-R1	8/23/08 11:50	3	feet	7.7	7.29	22.23	7.5
T4-S3M-M-080823-R1	T4-S3M-MB-080823-R1	8/23/08 11:50	29	feet	7.44	7.2	21.98	8.9
T4-S3M-M-080823-R1	T4-S3M-MC-080823-R1	8/23/08 11:50	55	feet	7.27	7.18	21.95	13.2
T4-S3M-S-080823-R1	T4-S3M-SA-080823-R1	8/23/08 12:00	3	feet	7.77	7.28	22.47	7.8
T4-S3M-S-080823-R1	T4-S3M-SB-080823-R1	8/23/08 12:00	28	feet	7.45	7.19	21.97	9.7
T4-S3M-S-080823-R1	T4-S3M-SC-080823-R1	8/23/08 12:00	53	feet	7.29	7.17	21.96	10.9
T4-S3M-N-080823-R1	T4-S3M-NA-080823-R1	8/23/08 12:15	3	feet	7.56	7.21	22.2	9.1
T4-S3M-N-080823-R1	T4-S3M-NB-080823-R1	8/23/08 12:15	16	feet	7.45	7.18	21.97	9.9
T4-S3M-N-080823-R1	T4-S3M-NC-080823-R1	8/23/08 12:15	29	feet	7.35	7.17	21.95	13.6
T4-BG-01R-080823-R2	T4-BG-01R-A-080823-R2	8/23/08 12:50	3	feet	7.79	7.18	22.47	7.7
T4-BG-01R-080823-R2	T4-BG-01R-B-080823-R2	8/23/08 12:50	34	feet	7.4	7.15	21.97	9.8
T4-BG-01R-080823-R2	T4-BG-01R-C-080823-R2	8/23/08 12:50	66	feet	7.28	7.13	21.96	19.2
T4-S3A-S-080823-R2	T4-S3A-SA-080823-R2	8/23/08 13:10	3	feet	7.57	7.18	22.35	8.6
T4-S3A-S-080823-R2	T4-S3A-SB-080823-R2	8/23/08 13:10	20	feet	7.07	7.09	22.05	12.1
T4-S3A-S-080823-R2	T4-S3A-SC-080823-R2	8/23/08 13:10	37	feet	6.95	7.08	22.02	14
T4-S3A-M-080823-R2	T4-S3A-MA-080823-R2	8/23/08 13:15	3	feet	7.66	7.18	22.43	9.5
T4-S3A-M-080823-R2	T4-S3A-MB-080823-R2	8/23/08 13:15	24	feet	7.23	7.12	22.03	10.9
T4-S3A-M-080823-R2	T4-S3A-MC-080823-R2	8/23/08 13:15	45	feet	6.73	7.05	22	35.5
T4-S3A-N-080823-R2	T4-S3A-NA-080823-R2	8/23/08 13:25	3	feet	7.67	7.22	23.12	8.5
T4-S3A-N-080823-R2	T4-S3A-NB-080823-R2	8/23/08 13:25	21	feet	7.07	7.1	22.05	13.5
T4-S3A-N-080823-R2	T4-S3A-NC-080823-R2	8/23/08 13:25	40	feet	6.84	7.06	22.06	34.5
T4-S3M-E-080823-R2	T4-S3M-EA-080823-R2	8/23/08 13:35	3	feet	7.65	7.16	22.3	9.8
T4-S3M-E-080823-R2	T4-S3M-EB-080823-R2	8/23/08 13:35	27	feet	7.46	7.15	22.07	9.2
T4-S3M-E-080823-R2	T4-S3M-EC-080823-R2	8/23/08 13:35	51	feet	7.32	7.13	21.97	11.6
T4-S3M-N-080823-R2	T4-S3M-NA-080823-R2	8/23/08 14:50	3	feet	7.84	7.11	22.71	5.8
T4-S3M-N-080823-R2	T4-S3M-NB-080823-R2	8/23/08 14:50	16	feet	7.55	7.06	22.13	7.1
T4-S3M-N-080823-R2	T4-S3M-NC-080823-R2	8/23/08 14:50	29	feet	7.33	7.02	22.05	10.1
T4-S3M-M-080823-R2	T4-S3M-MA-080823-R2	8/23/08 15:00	3	feet	8.09	7.19	22.6	6.2
T4-S3M-M-080823-R2	T4-S3M-MB-080823-R2	8/23/08 15:00	29	feet	7.45	7.05	22.05	8.5
T4-S3M-M-080823-R2	T4-S3M-MC-080823-R2	8/23/08 15:00	55	feet	7.27	7.04	21.99	11.6
T4-S3M-S-080823-R2	T4-S3M-SA-080823-R2	8/23/08 15:05	3	feet	7.87	7.07	22.77	6.4
T4-S3M-S-080823-R2	T4-S3M-SB-080823-R2	8/23/08 15:05	27	feet	7.48	7.06	22.03	8.4
T4-S3M-S-080823-R2	T4-S3M-SC-080823-R2	8/23/08 15:05	52	feet	7.26	7.04	21.98	11.2
T4-BG-01R-080823	T4-BG-01R-A-080823	8/23/08 15:20	3	feet	7.93	7.12	22.33	5.6
T4-BG-01R-080823	T4-BG-01R-B-080823	8/23/08 15:20	32	feet	7.55	7.07	22.01	6.2
T4-S3A-E-080823-R3	T4-S3A-EA-080823-R3	8/23/08 17:50	3	feet	7.37	7.15	22.66	5.8
T4-S3A-E-080823-R3	T4-S3A-EB-080823-R3	8/23/08 17:50	25	feet	6.72	7.07	22.14	13.7
T4-S3A-E-080823-R3	T4-S3A-EC-080823-R3	8/23/08 17:50	47	feet	6.53	7.05	22.12	24.1
T4-S3A-N-080823-R3	T4-S3A-NA--080823-R3	8/23/08 18:00	3	feet	7.39	7.19	22.71	5.9
T4-S3A-N-080823-R3	T4-S3A-NB-080823-R3	8/23/08 18:00	20	feet	6.83	7.1	22.16	6
T4-S3A-N-080823-R3	T4-S3A-NC-080823-R3	8/23/08 18:00	37	feet	6.48	7.07	22.08	21.8
T4-S3A-M-080823-R3	T4-S3A-MA-080823-R3	8/23/08 18:15	3	feet	7.46	7.2	22.69	4.8
T4-S3A-M-080823-R3	T4-S3A-MB-080823-R3	8/23/08 18:15	22	feet	7.28	7.14	22.26	5
T4-S3A-M-080823-R3	T4-S3A-MC-080823-R3	8/23/08 18:15	41	feet	6.78	7.1	22.06	7.8
T4-S3A-S-080823-R3	T4-S3A-SA-080823-R3	8/23/08 18:20	3	feet	8.01	7.38	23.75	5.5
T4-S3A-S-080823-R3	T4-S3A-SB-080823-R3	8/23/08 18:20	20	feet	6.81	7.11	22.17	5.2
T4-S3A-S-080823-R3	T4-S3A-SC-080823-R3	8/23/08 18:20	36	feet	6.68	7.1	22.03	10.4
T4-S3M-E-080823-R3	T4-S3M-EA-080823-R3	8/23/08 18:25	3	feet	8.02	7.3	22.97	4
T4-S3M-E-080823-R3	T4-S3M-EB-080823-R3	8/23/08 18:25	30	feet	7.25	7.16	22.11	4.8
T4-S3M-E-080823-R3	T4-S3M-EC-080823-R3	8/23/08 18:25	56	feet	6.71	7.12	22.01	14.1
T4-S3M-M-080823-R3	T4-S3M-MA-080823-R3	8/23/08 18:30	3	feet	7.86	7.25	22.83	4
T4-S3M-M-080823-R3	T4-S3M-MB-080823-R3	8/23/08 18:30	28	feet	7.36	7.17	22.02	4.7
T4-S3M-M-080823-R3	T4-S3M-MC-080823-R3	8/23/08 18:30	54	feet	6.96	7.15	21.99	8.9
T4-S3A-E-080823-R4	T4-S3A-EA-080823-R4	8/23/08 19:05	3	feet	8.12	7.34	23.34	2.7
T4-S3A-E-080823-R4	T4-S3A-EB-080823-R4	8/23/08 19:05	23	feet	6.85	7.12	22.17	16.2
T4-S3A-E-080823-R4	T4-S3A-EC-080823-R4	8/23/08 19:05	43	feet	6.59	7.11	22.07	17.5
T4-S3A-N-080823-R4	T4-S3A-NA-080823-R4	8/23/08 19:20	3	feet	8.22	7.43	23.58	2.8
T4-S3A-N-080823-R4	T4-S3A-NB-080823-R4	8/23/08 19:20	20	feet	7.18	7.15	22.23	5.1
T4-S3A-N-080823-R4	T4-S3A-NC-080823-R4	8/23/08 19:20	38	feet	6.6	7.09	22.1	12.9
T4-S3A-M-080823-R4	T4-S3A-MA-080823-R4	8/23/08 19:25	3	feet	7.94	7.33	23.24	3.8
T4-S3A-M-080823-R4	T4-S3A-MB-080823-R4	8/23/08 19:25	21	feet	7.03	7.15	22.16	7.4
T4-S3A-M-080823-R4	T4-S3A-MC-080823-R4	8/23/08 19:25	40	feet	6.61	7.11	22.02	14.3
T4-S3A-S-080823-R4	T4-S3A-SA-080823-R4	8/23/08 19:30	3	feet	8.02	7.31	22.92	3.9
T4-S3A-S-080823-R4	T4-S3A-SB-080823-R4	8/23/08 19:30	20	feet	6.95	7.16	22.1	6.2
T4-S3A-S-080823-R4	T4-S3A-SC-080823-R4	8/23/08 19:30	37	feet	6.7	7.13	22.04	8.6
T4-BG-01R-080824	T4-BG-01R-A-080824	8/24/08 8:00	3	feet	7.19	7.1	22.06	6.4
T4-BG-01R-080824	T4-BG-01R-B-080824	8/24/08 8:00	31	feet	7.02	7.13	22.05	6.1
T4-BG-01R-080824	T4-BG-01R-C-080824	8/24/08 8:00	59	feet	6.79	7.11	22.04	12.8
T4-S3A-E-080824-R1	T4-S3A-E-A-080824-R1	8/24/08 9:15	3	feet	6.75	7.08	22.27	5.2
T4-S3A-E-080824-R1	T4-S3A-E-B-080824-R1	8/24/08 9:15	31	feet	6.63	7.06	22.11	8.4
T4-S3A-E-080824-R1	T4-S3A-E-C-080824-R1	8/24/08 9:15	60	feet	6.48	7.05	22.05	11.4
T4-S3A-N-080824-R1	T4-S3A-N-A-080824-R1	8/24/08 9:35	3	feet	6.82	7.12	22.22	4.6
T4-S3A-N-080824-R1	T4-S3A-N-B-080824-R1	8/24/08 9:35	25	feet	6.65	7.05	22.15	6.1
T4-S3A-N-080824-R1	T4-S3A-NC-080824-R1	8/24/08 9:35	47	feet	6.53	7.05	22.06	8.7
T4-S3A-M-080824-R1	T4-S3A-M-A-080824-R1	8/24/08 9:45	3	feet	6.88	7.09	22.32	5.9
T4-S3A-M-080824-R1	T4-S3A-M-B-080824-R1	8/24/08 9:45	20	feet	6.74	7.06	22.15	6.4
T4-S3A-M-080824-R1	T4-S3A-M-C-080824-R1	8/24/08 9:45	38	feet	6.63	7.06	22.11	7.6
T4-S3A-S-080824-R1	T4-S3A-SA-080824-R1	8/24/08 9:55	3	feet	6.88	7.09	22.35	5.3
T4-S3A-S-080824-R1	T4-S3A-SB-080824-R1	8/24/08 9:55	20	feet	6.69	7.06	22.15	6.6
T4-S3A-S-080824-R1	T4-S3A-SC-080824-R1	8/24/08 9:55	37	feet	6.59	7.05	22.11	8.2
T4-S3A-E-080824-R2	T4-S3A-E-A-080824-R2	8/24/08 10:06	3	feet	6.7	7.06	22.23	5.5

Field Parameter Water Quality Results - T4 Site

Location ID	Sample ID	Sample Date	Depth	Chemical:	Dissolved oxygen (field)	pH (field)	Temperature (field)	Turbidity (field)
				Unit:	mg/L	su	deg C	NTU
				Depth Unit[1]				
T4-S3A-E-080824-R2	T4-S3A-E-B-080824-R2	8/24/08 10:06	25	feet	6.61	7.06	22.16	7.8
T4-S3A-E-080824-R2	T4-S3A-E-C-080824-R2	8/24/08 10:06	48	feet	6.43	7.05	22.02	14.7
T4-S3A-N-080824-R2	T4-S3A-N-A-080824-R2	8/24/08 10:19	3	feet	6.87	7.08	22.38	4.4
T4-S3A-N-080824-R2	T4-S3A-N-B-080824-R2	8/24/08 10:19	25	feet	6.79	7.07	22.13	6.1
T4-S3A-N-080824-R2	T4-S3A-NC-080824-R2	8/24/08 10:19	47	feet	6.46	7.03	22.02	9.5
T4-S3A-M-080824-R2	T4-S3A-M-A-080824-R2	8/24/08 11:15	3	feet	6.55	6.99	22.31	7.4
T4-S3A-M-080824-R2	T4-S3A-M-B-080824-R2	8/24/08 11:15	21	feet	6.46	6.99	22.15	7.7
T4-S3A-M-080824-R2	T4-S3A-M-C-080824-R2	8/24/08 11:15	39	feet	6.26	6.98	22.09	10.8
T4-S3A-S-080824-R2	T4-S3A-SA-080824-R2	8/24/08 11:22	3	feet	6.7	7.02	22.52	6.9
T4-S3A-S-080824-R2	T4-S3A-SB-080824-R2	8/24/08 11:22	20	feet	6.37	6.98	22.14	8.2
T4-S3A-S-080824-R2	T4-S3A-SC-080824-R2	8/24/08 11:22	37	feet	6.15	6.95	22.09	9.6
T4-S3A-E-080824-R3	T4-S3A-E-A-080824-R3	8/24/08 11:55	3	feet	6.36	6.96	22.36	6.7
T4-S3A-E-080824-R3	T4-S3A-E-B-080824-R3	8/24/08 11:55	26	feet	6.34	6.94	22.13	7.6
T4-S3A-E-080824-R3	T4-S3A-E-C-080824-R3	8/24/08 11:55	49	feet	6.04	6.91	22.07	20.4
T4-S3A-N-080824-R3	T4-S3A-N-B-080824-R3	8/24/08 12:06	3	feet	6.84	7.1	22.64	6
T4-S3A-N-080824-R3	T4-S3A-NC-080824-R3	8/24/08 12:06	25	feet	6.39	6.96	22.13	8.7
T4-S3A-N-080824-R3	T4-S3A-N-A-080824-R3	8/24/08 12:06	47	feet	6.06	6.94	22.09	16.4
T4-S3A-M-080824-R3	T4-S3A-M-A-080824-R3	8/24/08 12:11	3	feet	6.67	7.04	22.54	6
T4-S3A-M-080824-R3	T4-S3A-M-B-080824-R3	8/24/08 12:11	21	feet	6.39	6.97	22.13	7.2
T4-S3A-M-080824-R3	T4-S3A-M-C-080824-R3	8/24/08 12:11	39	feet	6.32	6.97	22.09	10.8
T4-S3A-S-080824-R3	T4-S3A-SA-080824-R3	8/24/08 12:17	3	feet	6.71	7.07	22.47	7.6
T4-S3A-S-080824-R3	T4-S3A-SB-080824-R3	8/24/08 12:17	20	feet	6.34	6.97	22.13	8
T4-S3A-S-080824-R3	T4-S3A-SC-080824-R3	8/24/08 12:17	37	feet	6.37	6.99	22.1	9.7
T4-BG-01R-080824-R4	T4-BG-01R-A-080824-R4	8/24/08 14:10	3	feet	7.27	7.08	22.57	4.7
T4-BG-01R-080824-R4	T4-BG-01R-B-080824-R4	8/24/08 14:10	31	feet	6.59	6.98	22.03	6.2
T4-BG-01R-080824-R4	T4-BG-01R-C-080824-R4	8/24/08 14:10	60	feet	6.28	6.95	22.01	15.9
T4-S3A-E-080824-R4	T4-S3A-E-A-080824-R4	8/24/08 15:21	3	feet	6.72	7.01	22.51	5
T4-S3A-E-080824-R4	T4-S3A-E-B-080824-R4	8/24/08 15:21	25	feet	6.32	6.93	22.14	6.2
T4-S3A-E-080824-R4	T4-S3A-E-C-080824-R4	8/24/08 15:21	47	feet	6.11	6.92	--	38.8
T4-S3A-E-080824-R4	T4-S3A-E-C-80824-R4	8/24/08 15:21	47	feet	--	--	22.14	--
T4-S3A-N-080824-R4	T4-S3A-NA-080824-R4	8/24/08 15:27	3	feet	6.88	7.08	22.64	4.7
T4-S3A-N-080824-R4	T4-S3A-NB-080824-R4	8/24/08 15:27	25	feet	6.37	6.95	22.13	10.2
T4-S3A-N-080824-R4	T4-S3A-NC-080824-R4	8/24/08 15:27	47	feet	6.1	6.93	22.08	33.4
T4-S3A-M-080824-R4	T4-S3A-MA-080824-R4	8/24/08 15:37	3	feet	6.95	7.04	22.52	3.9
T4-S3A-M-080824-R4	T4-S3A-MB-080824-R4	8/24/08 15:37	22	feet	6.49	6.97	22.13	4.5
T4-S3A-M-080824-R4	T4-S3A-MC-080824-R4	8/24/08 15:37	41	feet	6.29	6.95	22.05	8.5
T4-S3A-S-080824-R4	T4-S3A-SA-080824-R4	8/24/08 15:42	3	feet	6.86	7.04	22.49	5.8
T4-S3A-S-080824-R4	T4-S3A-SB-080824-R4	8/24/08 15:42	20	feet	6.36	6.95	22.16	5.9
T4-S3A-S-080824-R4	T4-S3A-SC-080824-R4	8/24/08 15:42	37	feet	6.35	6.96	22.07	8.4
T4-S3M-E-080824-R5	T4-S3M-EA-080824-R5	8/24/08 15:57	3	feet	7.44	22.53	3.2	7.16
T4-S3M-E-080824-R5	T4-S3M-EB-080824-R5	8/24/08 15:57	30	feet	6.52	22.02	5.7	6.99
T4-S3M-E-080824-R5	T4-S3M-EC-080824-R5	8/24/08 15:57	57	feet	6.38	21.99	8.6	6.98
T4-S3M-N-080824-R5	T4-S3M-NA-080824-R5	8/24/08 16:07	3	feet	7.42	7.18	22.51	4.4
T4-S3M-N-080824-R5	T4-S3M-NB-080824-R5	8/24/08 16:07	18	feet	6.71	7.01	22.09	4.5
T4-S3M-M-080824-R5	T4-S3M-MA-080824-R5	8/24/08 16:15	3	feet	7.26	22.47	4.3	7.13
T4-S3M-M-080824-R5	T4-S3M-MB-080824-R5	8/24/08 16:15	29	feet	6.6	22.02	5.4	7.01
T4-S3M-M-080824-R5	T4-S3M-MC-080824-R5	8/24/08 16:15	55	feet	6.32	21.97	9.8	7
T4-S3M-S-080824-R5	T4-S3M-SA-080824-R5	8/24/08 16:20	3	feet	7.27	7.16	22.45	5.1
T4-S3M-S-080824-R5	T4-S3M-SB-080824-R5	8/24/08 16:20	28	feet	6.56	6.97	22.06	5.9
T4-S3M-S-080824-R5	T4-S3M-SC-080824-R5	8/24/08 16:20	53	feet	6.37	6.97	22.01	8.8
T4-BG-01R-080825	T4-BG-01R-A-080825	8/25/08 7:38	3	feet	7.57	7.2	21.82	4.1
T4-BG-01R-080825	T4-BG-01R-B-080825	8/25/08 7:38	35	feet	7.46	7.15	21.82	5.5
T4-BG-01R-080825	T4-BG-01R-C-080825	8/25/08 7:38	67	feet	7.03	7.14	21.74	13.9
T4-S3A-E-080825-R1	T4-S3A-E-A-080825-R1	8/25/08 8:05	3	feet	7.19	7.13	22.03	4.4
T4-S3A-E-080825-R1	T4-S3A-E-B-080825-R1	8/25/08 8:05	25	feet	7	7.11	21.97	9.5
T4-S3A-E-080825-R1	T4-S3A-E-C-080825-R1	8/25/08 8:05	47	feet	6.79	7.11	21.95	45.2
T4-S3A-N-080825-R1	T4-S3A-N-A-080825-R1	8/25/08 8:22	3	feet	7.16	7.11	22.03	5.4
T4-S3A-N-080825-R1	T4-S3A-N-B-080825-R1	8/25/08 8:22	23	feet	6.95	7.09	21.96	9.8
T4-S3A-N-080825-R1	T4-S3A-NC-080825-R1	8/25/08 8:22	43	feet	6.69	7.09	21.85	16
T4-S3A-M-080825-R1	T4-S3A-M-A-080825-R1	8/25/08 8:35	3	feet	7.22	7.13	22.02	6.1
T4-S3A-M-080825-R1	T4-S3A-M-B-080825-R1	8/25/08 8:35	23	feet	7.07	7.1	22	7.6
T4-S3A-M-080825-R1	T4-S3A-M-C-080825-R1	8/25/08 8:35	44	feet	6.95	7.11	21.89	12.6
T4-S3A-S-080825-R1	T4-S3A-SA-080825-R1	8/25/08 8:49	3	feet	7.27	7.12	21.99	5.9
T4-S3A-S-080825-R1	T4-S3A-SB-080825-R1	8/25/08 8:49	23	feet	7.17	7.11	22.01	6.5
T4-S3A-S-080825-R1	T4-S3A-SC-080825-R1	8/25/08 8:49	43	feet	7.05	7.1	21.91	11.2
T4-S3A-E-080825-R2	T4-S3A-EA-080825-R2	8/25/08 12:04	3	feet	7.34	7.11	22.08	4.7
T4-S3A-E-080825-R2	T4-S3A-EB-080825-R2	8/25/08 12:04	23	feet	7.21	7.11	21.83	7.4
T4-S3A-E-080825-R2	T4-S3A-EC-080825-R2	8/25/08 12:04	43	feet	7.15	7.2	21.75	11.7
T4-S3A-N-080825-R2	T4-S3A-N-A-080825-R2	8/25/08 12:15	3	feet	7.21	7.09	22.07	5.3
T4-S3A-N-080825-R2	T4-S3A-N-B-080825-R2	8/25/08 12:15	24	feet	6.92	7.06	21.97	16.1
T4-S3A-N-080825-R2	T4-S3A-NC-080825-R2	8/25/08 12:15	45	feet	7.15	7.08	21.83	14.2
T4-S3A-M-080825-R2	T4-S3A-M-A-080825-R2	8/25/08 12:25	3	feet	7.26	7.1	22.11	5.7
T4-S3A-M-080825-R2	T4-S3A-M-B-080825-R2	8/25/08 12:25	21	feet	7.02	7.07	21.96	12.1
T4-S3A-M-080825-R2	T4-S3A-M-C-080825-R2	8/25/08 12:25	40	feet	7.2	7.08	21.78	11.1
T4-S3A-S-080825-R2	T4-S3A-SA-080825-R2	8/25/08 12:35	3	feet	7.54	7.15	22.24	5.9
T4-S3A-S-080825-R2	T4-S3A-SB-080825-R2	8/25/08 12:35	23	feet	7.14	7.07	21.9	10.4
T4-S3A-S-080825-R2	T4-S3A-SC-080825-R2	8/25/08 12:35	43	feet	7.19	7.07	21.78	11.2
T4-S3M-E-080825-R2	T4-S3M-EA-080825-R2	8/25/08 12:45	3	feet	7.73	7.12	21.96	5.1
T4-S3M-E-080825-R2	T4-S3M-EB-080825-R2	8/25/08 12:45	28	feet	7.34	7.08	21.78	6.4
T4-S3M-E-080825-R2	T4-S3M-EC-080825-R2	8/25/08 12:45	54	feet	7.18	7.1	21.7	9.9
T4-S3M-S-080825-R2	T4-S3M-SA-080825-R2	8/25/08 12:55	3	feet	7.61	7.11	22.07	5.1
T4-S3M-S-080825-R2	T4-S3M-SB-080825-R2	8/25/08 12:55	28	feet	7.41	7.08	21.72	6.2
T4-S3M-S-080825-R2	T4-S3M-SC-080825-R2	8/25/08 12:55	54	feet	7.24	7.09	21.07	8.6

Field Parameter Water Quality Results - T4 Site

Location ID	Sample ID	Sample Date	Depth	Chemical:	Dissolved oxygen (field)	pH (field)	Temperature (field)	Turbidity (field)
				Unit:	mg/L	su	deg C	NTU
				Depth Unit[1]				
T4-S3M-M-080825-R2	T4-S3M-MA-080825-R2	8/25/08 13:00	3	feet	7.52	7.08	21.94	5.9
T4-S3M-M-080825-R2	T4-S3M-MB-080825-R2	8/25/08 13:00	29	feet	7.42	7.08	21.73	5.4
T4-S3M-M-080825-R2	T4-S3M-MC-080825-R2	8/25/08 13:00	55	feet	7.26	7.09	21.69	8.3
T4-S3M-N-080825-R2	T4-S3M-NA-080825-R2	8/25/08 13:10	3	feet	7.53	7.09	21.91	5.7
T4-S3M-N-080825-R2	T4-S3M-NB-080825-R2	8/25/08 13:10	16	feet	7.47	7.06	21.76	5.7
T4-S3M-N-080825-R2	T4-S3M-NC-080825-R2	8/25/08 13:10	30	feet	7.29	7.07	21.75	9.7
T4-S3A-E-080825-R3	T4-S3A-EA-080825-R3	8/25/08 15:10	3	feet	7.46	7.09	22.25	7.8
T4-S3A-E-080825-R3	T4-S3A-EB-080825-R3	8/25/08 15:10	25	feet	7.14	7.05	21.77	12.2
T4-S3A-E-080825-R3	T4-S3A-EC-080825-R3	8/25/08 15:10	48	feet	7.07	7.03	21.7	13.4
T4-S3A-M-080825-R3	T4-S3A-MA-080825-R3	8/25/08 15:20	3	feet	7.66	7.06	22.09	5.6
T4-S3A-M-080825-R3	T4-S3A-MB-080825-R3	8/25/08 15:20	22	feet	7.12	7.04	21.82	9.9
T4-S3A-M-080825-R3	T4-S3A-MC-080825-R3	8/25/08 15:20	42	feet	7.2	7.04	21.72	9.2
T4-S3A-S-080825-R3	T4-S3A-SA-080825-R3	8/25/08 15:30	3	feet	7.76	7.06	22.17	7
T4-S3A-S-080825-R3	T4-S3A-SB-080825-R3	8/25/08 15:30	20	feet	7.26	7.04	21.82	8.7
T4-S3A-S-080825-R3	T4-S3A-SC-080825-R3	8/25/08 15:30	38	feet	7.18	7.04	21.7	11.1
T4-S3A-N-080825-R3	T4-S3A-NA-080825-R3	8/25/08 15:40	3	feet	7.08	7.02	22	8.8
T4-S3A-N-080825-R3	T4-S3A-NB-080825-R3	8/25/08 15:40	20	feet	7.27	7.03	21.78	7.7
T4-S3A-N-080825-R3	T4-S3A-NC-080825-R3	8/25/08 15:40	38	feet	7.26	7.04	21.75	7.4
T4-BG-01R-080826	T4-BG-01RA-080826	8/26/08 7:00	3	feet	7.86	7.25	21.38	4.2
T4-BG-01R-080826	T4-BG-01RB-080826	8/26/08 7:00	35	feet	7.65	7.18	21.32	6.8
T4-BG-01R-080826	T4-BG-01RC-080826	8/26/08 7:00	68	feet	7.51	7.16	21.3	10.3
T4-410-E-080826-R1	T4-410-EA-080826-R1	8/26/08 8:15	3	feet	7.32	7.2	21.37	6.1
T4-410-E-080826-R1	T4-410-EB-080826-R1	8/26/08 8:15	20	feet	7.16	7.15	21.5	5.7
T4-410-E-080826-R1	T4-410-EC-080826-R1	8/26/08 8:15	38	feet	7.09	7.16	21.55	6.7
T4-410-S-080826-R1	T4-410-SA-080826-R1	8/26/08 8:30	3	feet	7.35	7.18	21.54	6.4
T4-410-S-080826-R1	T4-410-SB-080826-R1	8/26/08 8:30	21	feet	7.21	7.16	21.54	5.8
T4-410-S-080826-R1	T4-410-SC-080826-R1	8/26/08 8:30	39	feet	7.16	7.16	21.53	6.3
T4-410-M-080826-R1	T4-410-MA-080826-R1	8/26/08 8:35	3	feet	7.32	7.16	21.53	7.4
T4-410-M-080826-R1	T4-410-MB-080826-R1	8/26/08 8:35	24	feet	7.2	7.14	21.55	7
T4-410-M-080826-R1	T4-410-MC-080826-R1	8/26/08 8:35	45	feet	7.14	7.14	21.54	7.6
T4-410-N-080826-R1	T4-410-NA-080826-R1	8/26/08 8:45	3	feet	7.42	7.17	21.4	10.6
T4-410-N-080826-R1	T4-410-NB-080826-R1	8/26/08 8:45	20	feet	7.16	7.12	21.52	8.4
T4-410-N-080826-R1	T4-410-NC-080826-R1	8/26/08 8:45	38	feet	7.09	7.11	21.52	9.2
T4-410-E-080826-R2	T4-410-EA-080826-R2	8/26/08 12:30	3	feet	7.43	7.11	21.69	10.5
T4-410-E-080826-R2	T4-410-EB-080826-R2	8/26/08 12:30	28	feet	7.12	7.1	21.5	8.8
T4-410-E-080826-R2	T4-410-EC-080826-R2	8/26/08 12:30	53	feet	7.35	7.12	21.37	8.9
T4-410-S-080826-R2	T4-410-SA-080826-R2	8/26/08 12:40	3	feet	7.59	7.12	22.1	5.8
T4-410-S-080826-R2	T4-410-SB-080826-R2	8/26/08 12:40	27	feet	7.31	7.09	21.41	8.5
T4-410-S-080826-R2	T4-410-SC-080826-R2	8/26/08 12:40	52	feet	7.38	7.1	21.37	9.1
T4-410-M-080826-R2	T4-410-MA-080826-R2	8/26/08 12:50	3	feet	7.41	7.09	21.76	6.5
T4-410-M-080826-R2	T4-410-MB-080826-R2	8/26/08 12:50	21	feet	7.08	7.05	21.55	8.2
T4-410-M-080826-R2	T4-410-MC-080826-R2	8/26/08 12:50	39	feet	7.57	7.11	21.27	7.1
T4-410-N-080826-R2	T4-410-NA-080826-R2	8/26/08 13:00	3	feet	7.65	7.14	21.94	5.8
T4-410-N-080826-R2	T4-410-NB-080826-R2	8/26/08 13:00	20	feet	7.17	7.04	21.54	7.6
T4-410-N-080826-R2	T4-410-NC-080826-R2	8/26/08 13:00	37	feet	7.46	7.08	21.37	9.1
T4-BG-01R-080827	T4-BG-01R-A-080827	8/27/08 9:20	3	feet	8.08	7.28	21.09	4
T4-BG-01R-080827	T4-BG-01R-B-080827	8/27/08 9:20	34	feet	7.98	7.22	20.93	3.4
T4-BG-01R-080827	T4-BG-01R-C-080827	8/27/08 9:20	65	feet	7.86	7.24	20.7	6.6
T4-410-E-080827	T4-410-EA-080827	8/27/08 9:45	3	feet	7.67	7.26	21.14	5.9
T4-410-E-080827	T4-410-EB-080827	8/27/08 9:45	21	feet	7.44	7.2	21.23	20.5
T4-410-E-080827	T4-410-EC-080827	8/27/08 9:45	40	feet	7.4	7.2	21.19	12.1
T4-410-N-080827	T4-410-NA-080827	8/27/08 10:00	3	feet	8.29	7.28	21.2	4.5
T4-410-N-080827	T4-410-NB-080827	8/27/08 10:00	20	feet	7.75	7.23	21.13	5
T4-410-N-080827	T4-410-NC-080827	8/27/08 10:00	37	feet	7.74	7.22	21.06	7.2
T4-410-M-080827	T4-410-MA-080827	8/27/08 10:10	3	feet	8.44	7.25	21.23	5.7
T4-410-M-080827	T4-410-MB-080827	8/27/08 10:10	23	feet	7.74	7.23	21.13	5.3
T4-410-M-080827	T4-410-MC-080827	8/27/08 10:10	43	feet	7.7	7.21	21.04	8.4
T4-410-S-080827	T4-410-SA-080827	8/27/08 10:15	3	feet	8.28	7.22	21.27	7.1
T4-410-S-080827	T4-410-SB-080827	8/27/08 10:15	20	feet	7.55	7.21	21.26	6.2
T4-410-S-080827	T4-410-SC-080827	8/27/08 10:15	38	feet	7.64	7.21	21.14	7.2
T4-BG-01R-080828	T4-BG-01R-A-080828	8/28/08 10:00	3	feet	7.93	7.21	20.46	14
T4-BG-01R-080828	T4-BG-01R-B-080828	8/28/08 10:00	32	feet	7.86	7.2	20.32	10.8
T4-BG-01R-080828	T4-BG-01R-C-080828	8/28/08 10:00	62	feet	7.77	7.2	20.19	13.2
T4-410-E-080828	T4-410-EA-080828	8/28/08 10:10	3	feet	7.66	7.22	20.74	8.1
T4-410-E-080828	T4-410-EB-080828	8/28/08 10:10	20	feet	7.68	7.22	20.52	10.5
T4-410-E-080828	T4-410-EC-080828	8/28/08 10:10	37	feet	7.67	7.22	20.48	12.8
T4-410-N-080828	T4-410-NA-080828	8/28/08 10:18	3	feet	8.01	7.23	20.77	9.3
T4-410-N-080828	T4-410-NB-080828	8/28/08 10:18	20	feet	7.67	7.22	20.65	8.2
T4-410-N-080828	T4-410-NC-080828	8/28/08 10:18	37	feet	7.7	7.22	20.39	17.9
T4-410-M-080828	T4-410-MA-080828	8/28/08 10:25	3	feet	7.78	7.24	20.62	11.2
T4-410-M-080828	T4-410-MB-080828	8/28/08 10:25	24	feet	7.73	7.22	20.48	10.7
T4-410-M-080828	T4-410-MC-080828	8/28/08 10:25	44	feet	7.69	7.23	20.34	12.8
T4-410-S-080828	T4-410-SA-080828	8/28/08 10:30	3	feet	7.81	7.23	20.8	10.7
T4-410-S-080828	T4-410-SB-080828	8/28/08 10:30	24	feet	7.72	7.24	20.42	10.1
T4-410-S-080828	T4-410-SC-080828	8/28/08 10:30	45	feet	7.77	7.23	20.26	9.1
T4-BG-01R-080829	T4-BG-01R-A-080829	8/29/08 12:00	3	feet	7.99	7.23	20.93	2.1
T4-BG-01R-080829	T4-BG-01R-B-080829	8/29/08 12:00	33	feet	7.93	7.26	20.15	2.1
T4-BG-01R-080829	T4-BG-01R-C-080829	8/29/08 12:00	64	feet	7.72	7.24	19.83	11.1
T4-410-E-080829	T4-410-EA-080829	8/29/08 12:20	3	feet	7.76	7.21	20.97	4.2
T4-410-E-080829	T4-410-EB-080829	8/29/08 12:20	27	feet	7.78	7.24	20.3	3.9
T4-410-E-080829	T4-410-EC-080829	8/29/08 12:20	52	feet	7.68	7.23	20.2	4.4
T4-410-N-080829	T4-410-NA-080829	8/29/08 12:25	3	feet	7.8	7.26	20.76	4.8
T4-410-N-080829	T4-410-NB-080829	8/29/08 12:25	19	feet	7.79	7.24	20.25	5.4

Field Parameter Water Quality Results - T4 Site

Location ID	Sample ID	Sample Date	Depth	Chemical:	Dissolved oxygen (field)	pH (field)	Temperature (field)	Turbidity (field)
				Unit:	mg/L	su	deg C	NTU
				Depth Unit[1]				
T4-410-N-080829	T4-410-NC-080829	8/29/08 12:25	35	feet	7.75	7.24	20.16	5.6
T4-410-M-080829	T4-410-MA-080829	8/29/08 12:28	3	feet	7.63	7.23	20.83	6.6
T4-410-M-080829	T4-410-MB-080829	8/29/08 12:28	30	feet	7.76	7.24	20.11	6.4
T4-410-M-080829	T4-410-MC-080829	8/29/08 12:28	56	feet	7.66	7.24	20.06	11
T4-410-S-080829	T4-410-SA-080829	8/29/08 12:33	3	feet	7.62	7.21	20.58	6.9
T4-410-S-080829	T4-410-SB-080829	8/29/08 12:33	24	feet	7.69	7.24	20.36	5.3
T4-410-S-080829	T4-410-SC-080829	8/29/08 12:33	45	feet	7.75	7.24	19.99	--
T4-BG-01R-080902	T4-BG-01RA-080902	9/2/08 11:20	3	feet	8.01	7.23	19.43	4.9
T4-BG-01R-080902	T4-BG-01RB-080902	9/2/08 11:20	35	feet	7.83	7.25	19.37	5.8
T4-BG-01R-080902	T4-BG-01RC-080902	9/2/08 11:20	67	feet	7.72	7.26	19.37	9
T4-410-E-080902	T4-410-EA-080902	9/2/08 15:00	3	feet	8.09	7.23	19.65	6
T4-410-E-080902	T4-410-EB-080902	9/2/08 15:00	20	feet	7.94	7.23	19.54	6
T4-410-E-080902	T4-410-EC-080902	9/2/08 15:00	37	feet	7.9	7.25	19.44	7.1
T4-410-N-080902	T4-410-NA-080902	9/2/08 15:10	3	feet	8.61	7.26	19.72	6.6
T4-410-N-080902	T4-410-NB-080902	9/2/08 15:10	20	feet	8.02	7.24	19.62	5.6
T4-410-N-080902	T4-410-NC-080902	9/2/08 15:10	37	feet	7.93	7.22	19.44	6.5
T4-410-M-080902	T4-410-MA-080902	9/2/08 15:15	3	feet	8.55	7.24	19.9	6
T4-410-M-080902	T4-410-MB-080902	9/2/08 15:15	28	feet	7.97	7.24	19.65	5.7
T4-410-M-080902	T4-410-MC-080902	9/2/08 15:15	53	feet	7.74	7.24	19.43	10.5
T4-BG-01R-080903	T4-BG-01R-A-080903	9/3/08 9:45	3	feet	7.84	7.24	19.44	5.6
T4-BG-01R-080903	T4-BG-01R-B-080903	9/3/08 9:45	35	feet	7.7	7.28	19.45	6.1
T4-BG-01R-080903	T4-BG-01R-C-080903	9/3/08 9:45	67	feet	7.55	7.29	19.45	10.3
T4-410-E-080903	T4-410-EA-080903	9/3/08 11:30	3	feet	7.74	7.35	19.47	3.6
T4-410-E-080903	T4-410-EB-080903	9/3/08 11:30	26	feet	7.72	7.74	19.43	4.2
T4-410-E-080903	T4-410-EC-080903	9/3/08 11:30	50	feet	7.59	7.29	19.44	15.5
T4-410-N-080903	T4-410-NA-080903	9/3/08 11:40	3	feet	8.34	7.3	19.43	6
T4-410-N-080903	T4-410-NB-080903	9/3/08 11:40	30	feet	7.78	7.29	19.43	5
T4-410-N-080903	T4-410-NC-080903	9/3/08 11:40	57	feet	7.67	7.29	19.44	6.8
T4-410-M-080903	T4-410-MA-080903	9/3/08 11:45	3	feet	8.36	7.31	19.61	5
T4-410-M-080903	T4-410-MB-080903	9/3/08 11:45	35	feet	7.8	7.71	19.41	5.8
T4-410-M-080903	T4-410-MC-080903	9/3/08 11:45	64	feet	7.61	7.28	19.44	14
T4-410-S-080903	T4-410-SA-080903	9/3/08 11:50	3	feet	8.42	7.31	19.62	7.3
T4-410-S-080903	T4-410-SB-080903	9/3/08 11:50	34	feet	7.75	7.27	19.41	8.2
T4-410-S-080903	T4-410-SC-080903	9/3/08 11:50	65	feet	7.58	7.2	19.43	12.5
T4-BG-01R-080904	T4-BG-01R-A-080904	9/4/08 9:55	3	feet	8.18	7.2	19.45	4.8
T4-BG-01R-080904	T4-BG-01R-B-080904	9/4/08 9:55	36	feet	8.06	7.26	19.32	4
T4-BG-01R-080904	T4-BG-01R-C-080904	9/4/08 9:55	69	feet	7.98	7.27	19.27	9
T4-410-E-080904	T4-410-EA-080904	9/4/08 11:00	3	feet	8.65	7.29	19.44	7.2
T4-410-E-080904	T4-410-EB-080904	9/4/08 11:00	20	feet	7.91	7.3	19.44	6.5
T4-410-E-080904	T4-410-EC-080904	9/4/08 11:00	37	feet	7.84	7.28	19.44	7.6
T4-410-M-080904	T4-410-MA-080904	9/4/08 11:10	3	feet	8.78	7.32	19.57	4.8
T4-410-M-080904	T4-410-MB-080904	9/4/08 11:10	22	feet	8.08	7.3	19.38	5.5
T4-410-M-080904	T4-410-MC-080904	9/4/08 11:10	41	feet	7.97	7.3	19.33	8
T4-410-N-080904	T4-410-NA-080904	9/4/08 11:15	3	feet	8.31	7.3	19.55	5.1
T4-410-N-080904	T4-410-NB-080904	9/4/08 11:15	19	feet	8.07	7.29	19.35	5.6
T4-410-N-080904	T4-410-NC-080904	9/4/08 11:15	35	feet	8.03	7.3	19.31	7.1
T4-410-S-080904	T4-410-SA-080904	9/4/08 11:20	3	feet	8.2	7.3	19.4	7.1
T4-410-S-080904	T4-410-SB-080904	9/4/08 11:20	27	feet	8.01	7.3	19.37	6.9
T4-410-S-080904	T4-410-SC-080904	9/4/08 11:20	52	feet	7.92	7.31	19.28	7.1
T4-BG-01R-080905	T4-BG-01R-A-080905	9/5/08 10:10	3	feet	8.19	7.31	19.35	6.4
T4-BG-01R-080905	T4-BG-01R-B-080905	9/5/08 10:10	34	feet	8.04	7.28	19.17	9.2
T4-BG-01R-080905	T4-BG-01R-C-080905	9/5/08 10:10	65	feet	7.98	7.28	19.15	10.5
T4-410-E-080905	T4-410-EA-080905	9/5/08 10:25	3	feet	8.06	7.31	19.42	5.7
T4-410-E-080905	T4-410-EB-080905	9/5/08 10:25	24	feet	7.88	7.26	19.27	11
T4-410-E-080905	T4-410-EC-080905	9/5/08 10:25	45	feet	7.71	7.24	19.28	35.3
T4-410-N-080905	T4-410-NA-080905	9/5/08 10:35	3	feet	7.96	7.3	19.4	7.3
T4-410-N-080905	T4-410-NB-080905	9/5/08 10:35	17	feet	7.84	7.24	19.31	17.4
T4-410-N-080905	T4-410-NC-080905	9/5/08 10:35	31	feet	7.84	7.25	19.25	26.2
T4-410-M-080905	T4-410-MA-080905	9/5/08 10:45	3	feet	8.12	7.37	19.31	8.4
T4-410-M-080905	T4-410-MB-080905	9/5/08 10:45	25	feet	8.05	7.29	19.25	7.8
T4-410-M-080905	T4-410-MC-080905	9/5/08 10:45	48	feet	7.95	7.29	19.19	12.4
T4-410-S-080905	T4-410-SA-080905	9/5/08 10:55	3	feet	8.21	7.36	19.42	7.5
T4-410-S-080905	T4-410-SB-080905	9/5/08 10:55	25	feet	8.07	7.28	19.23	7
T4-410-S-080905	T4-410-SC-080905	9/5/08 10:55	48	feet	7.94	7.28	19.17	11.5
T4-S3M-S-080905	T4-S3M-SA-080905	9/5/08 11:00	3	feet	8.26	7.37	19.44	8.3
T4-S3M-S-080905	T4-S3M-SB-080905	9/5/08 11:00	28	feet	8.07	7.29	19.22	8.4
T4-S3M-S-080905	T4-S3M-SC-080905	9/5/08 11:00	53	feet	7.93	7.27	19.16	13.2
T4-S3M-M-080905	T4-S3M-MA-080905	9/5/08 11:10	3	feet	8.14	7.31	19.44	7.6
T4-S3M-M-080905	T4-S3M-MB-080905	9/5/08 11:10	29	feet	8.04	7.28	19.23	8.8
T4-S3M-M-080905	T4-S3M-MC-080905	9/5/08 11:10	55	feet	7.94	7.28	19.18	13.4
T4-S3M-N-080905	T4-S3M-NA-080905	9/5/08 11:20	3	feet	8.01	7.3	19.36	10.6
T4-S3M-N-080905	T4-S3M-NB-080905	9/5/08 11:20	15	feet	7.95	7.26	19.33	10.3
T4-S3M-N-080905	T4-S3M-NC-080905	9/5/08 11:20	28	feet	8	7.27	19.23	9.3
T4-BG-01R-080906	T4-BG-01R-A-080906	9/6/08 10:40	3	feet	8.21	7.19	19.09	4.9
T4-BG-01R-080906	T4-BG-01R-B-080906	9/6/08 10:40	34	feet	8.23	7.26	19.02	4.7
T4-BG-01R-080906	T4-BG-01R-C-080906	9/6/08 10:40	65	feet	8.11	7.22	19	8.3
T4-410-E-080906	T4-410-EA-080906	9/6/08 10:50	3	feet	7.99	7.23	19.18	11.1
T4-410-E-080906	T4-410-EB-080906	9/6/08 10:50	25	feet	7.99	7.22	19.12	13
T4-410-E-080906	T4-410-EC-080906	9/6/08 10:50	47	feet	7.97	7.23	19.11	15.3
T4-410-M-080906	T4-410-MA-080906	9/6/08 11:00	3	feet	7.98	7.24	19.24	9.3
T4-410-M-080906	T4-410-MB-080906	9/6/08 11:00	28	feet	8.07	7.24	19.11	5.5
T4-410-M-080906	T4-410-MC-080906	9/6/08 11:00	54	feet	8.05	7.24	19.05	10.2
T4-410-S-080906	T4-410-SA-080906	9/6/08 11:10	3	feet	8.04	7.26	19.24	5.3

Field Parameter Water Quality Results - T4 Site

Location ID	Sample ID	Sample Date	Depth	Chemical:	Dissolved oxygen (field)	pH (field)	Temperature (field)	Turbidity (field)
				Unit:	mg/L	su	deg C	NTU
				Depth Unit[1]				
T4-410-S-080906	T4-410-SB-080906	9/6/08 11:10	32	feet	8.08	7.25	19.12	5.5
T4-410-S-080906	T4-410-SC-080906	9/6/08 11:10	61	feet	8.05	7.25	19.04	6.9
T4-410-N-080906	T4-410-NA-080906	9/6/08 11:20	3	feet	8.12	7.27	19.19	7.4
T4-410-N-080906	T4-410-NB-080906	9/6/08 11:20	21	feet	7.93	7.21	19.23	9.6
T4-410-N-080906	T4-410-NC-080906	9/6/08 11:20	39	feet	8.01	7.22	19.1	10.5
T4-BG-01R-080908	T4-BG-01R-A-080908	9/8/08 7:30	3	feet	8.52	7.31	18.94	3.7
T4-BG-01R-080908	T4-BG-01R-B-080908	9/8/08 7:30	32	feet	8.43	7.38	18.89	3.2
T4-BG-01R-080908	T4-BG-01R-C-080908	9/8/08 7:30	62	feet	8.3	7.37	18.86	7.5
T4-410-E-080908	T4-410-EA-080908	9/8/08 7:40	3	feet	8.31	7.34	19.1	3
T4-410-E-080908	T4-410-EB-080908	9/8/08 7:40	20	feet	8.24	7.33	19.11	2.6
T4-410-E-080908	T4-410-EC-080908	9/8/08 7:40	38	feet	8.22	7.34	19.02	4.4
T4-410-N-080908-R1	T4-410-NA-080908-R1	9/8/08 7:50	3	feet	8.48	7.35	19.08	4.3
T4-410-N-080908-R1	T4-410-NB-080908-R1	9/8/08 7:50	20	feet	8.34	7.34	19.02	4.5
T4-410-N-080908-R1	T4-410-NC-080908-R1	9/8/08 7:50	38	feet	8.26	7.36	18.96	5.4
T4-410-M-080908-R1	T4-410-MA-080908	9/8/08 7:55	3	feet	8.41	7.35	19.08	3.8
T4-410-M-080908-R1	T4-410-MB-080908-R1	9/8/08 7:55	23	feet	8.33	7.35	19.01	4.6
T4-410-M-080908-R1	T4-410-MC-080908-R1	9/8/08 7:55	44	feet	8.2	7.36	18.95	7.7
T4-410-S-080908-R1	T4-410-SA-080908-R1	9/8/08 8:00	3	feet	8.65	7.33	19.09	3.8
T4-410-S-080908-R1	T4-410-SB-080908-R1	9/8/08 8:00	25	feet	8.22	7.35	19.04	4.3
T4-410-S-080908-R1	T4-410-SC-080908-R1	9/8/08 8:00	47	feet	8.23	7.37	18.92	6.1
T4-410-N-080908-R2	T4-410-NA-080908-R2	9/8/08 8:15	3	feet	8.36	7.33	19.11	3.8
T4-410-N-080908-R2	T4-410-NB-080908-R2	9/8/08 8:15	21	feet	8.25	7.34	19	4.6
T4-410-N-080908-R2	T4-410-NC-080908-R2	9/8/08 8:15	39	feet	8.17	7.36	18.98	5.4
T4-410-M-080908-R2	T4-410-MA-080908-R2	9/8/08 8:21	3	feet	8.25	7.36	19.11	3.7
T4-410-M-080908-R2	T4-410-MB-080908-R2	9/8/08 8:21	23	feet	8.27	7.36	18.92	6.5
T4-410-M-080908-R2	T4-410-MC-080908-R2	9/8/08 8:21	43	feet	8.22	7.35	18.92	8.1
T4-410-S-080908-R2	T4-410-SA-080908-R2	9/8/08 8:26	3	feet	8.44	7.35	19.1	3.6
T4-410-S-080908-R2	T4-410-SB-080908-R2	9/8/08 8:26	24	feet	8.2	7.33	19.1	3.3
T4-410-S-080908-R2	T4-410-SC-080908-R2	9/8/08 8:26	44	feet	8.22	7.38	18.91	6.6
T4-BG-01R-080910	T4-BG-01R-A-080910	9/10/08 14:20	3	feet	8.47	7.25	18.82	3.4
T4-BG-01R-080910	T4-BG-01R-B-080910	9/10/08 14:20	37	feet	8.31	7.27	18.57	3.7
T4-BG-01R-080910	T4-BG-01R-C-080910	9/10/08 14:20	71	feet	8.17	7.25	18.52	7.4
T4-414-E-080910	T4-414-EA-080910	9/10/08 14:40	3	feet	8.57	7.34	19.26	2.7
T4-414-E-080910	T4-414-EB-080910	9/10/08 14:40	26	feet	8.36	7.27	18.68	2.6
T4-414-E-080910	T4-414-EC-080910	9/10/08 14:40	49	feet	8.24	7.31	18.58	3.5
T4-414-N-080910	T4-414-NA-080910	9/10/08 14:52	3	feet	8.49	7.34	19.3	3.3
T4-414-N-080910	T4-414-NB-080910	9/10/08 14:52	20	feet	8.49	7.32	18.72	2.8
T4-414-N-080910	T4-414-NC-080910	9/10/08 14:52	38	feet	8.34	7.31	18.6	3.2
T4-414-M-080910	T4-414-MA-080910	9/10/08 14:57	3	feet	8.58	7.32	18.74	4.9
T4-414-M-080910	T4-414-MB-080910	9/10/08 14:57	27	feet	8.37	7.34	18.71	4.6
T4-414-M-080910	T4-414-MC-080910	9/10/08 14:57	51	feet	8.25	7.32	18.59	8.8
T4-414-S-080910	T4-414-SA-080910	9/10/08 15:05	3	feet	8.67	7.38	18.92	4.5
T4-414-S-080910	T4-414-SB-080910	9/10/08 15:05	27	feet	8.33	7.32	18.7	21.6
T4-414-S-080910	T4-414-SC-080910	9/10/08 15:05	51	feet	8.21	7.34	18.7	37.3
T4-BG-01R-080912	T4-BG-01RA-080912	9/12/08 10:10	3	feet	9.07	7.23	18.78	4.9
T4-BG-01R-080912	T4-BG-01RB-080912	9/12/08 10:10	33	feet	8.77	7.29	18.7	5.5
T4-BG-01R-080912	T4-BG-01RC-080912	9/12/08 10:10	63	feet	8.64	7.27	18.68	7.6
T4-S3B-E-080912-R1	T4-S3B-EA-080912-R1	9/12/08 11:10	3	feet	8.9	7.36	19.14	2.2
T4-S3B-E-080912-R1	T4-S3B-EB-080912-R1	9/12/08 11:10	25	feet	8.59	7.31	18.83	4.6
T4-S3B-E-080912-R1	T4-S3B-EC-080912-R1	9/12/08 11:10	47	feet	7.67	7.02	18.75	66.8
T4-S3B-S-080912-R1	T4-S3B-SA-080912-R1	9/12/08 11:24	3	feet	8.78	7.33	18.97	3.1
T4-S3B-S-080912-R1	T4-S3B-SB-080912-R1	9/12/08 11:24	20	feet	8.65	7.3	18.86	5.3
T4-S3B-S-080912-R1	T4-S3B-SC-080912-R1	9/12/08 11:24	37	feet	8.52	7.3	18.83	6.9
T4-S3B-M-080912-R1	T4-S3B-MA-080912-R1	9/12/08 11:27	3	feet	8.84	7.37	19.06	4.3
T4-S3B-M-080912-R1	T4-S3B-MB-080912-R1	9/12/08 11:27	19	feet	8.66	7.31	18.84	4.5
T4-S3B-M-080912-R1	T4-S3B-MC-080912-R1	9/12/08 11:27	36	feet	8.61	7.34	18.78	4.9
T4-S3B-N-080912-R1	T4-S3B-NA-080912-R1	9/12/08 11:34	3	feet	8.84	7.35	19.01	2.9
T4-S3B-N-080912-R1	T4-S3B-NB-080912-R1	9/12/08 11:34	22	feet	8.57	7.3	18.81	3.5
T4-S3B-N-080912-R1	T4-S3B-NC-080912-R1	9/12/08 11:34	41	feet	8.43	7.25	18.78	14.9
T4-S3B-E-080912-R2	T4-S3B-EA-080912-R2	9/12/08 11:44	3	feet	8.86	7.37	19.06	4.2
T4-S3B-E-080912-R2	T4-S3B-EB-080912-R2	9/12/08 11:44	25	feet	8.65	7.32	18.81	5.5
T4-S3B-E-080912-R2	T4-S3B-EC-080912-R2	9/12/08 11:44	47	feet	8.44	7.12	18.84	64.6
T4-S3B-S-080912-R2	T4-S3B-SA-080912-R2	9/12/08 11:52	3	feet	9.11	7.42	19.06	4.1
T4-S3B-S-080912-R2	T4-S3B-SB-080912-R2	9/12/08 11:52	19	feet	8.73	7.32	18.84	4.5
T4-S3B-S-080912-R2	T4-S3B-SC-080912-R2	9/12/08 11:52	35	feet	8.59	7.3	18.77	5.9
T4-S3B-M-080912-R2	T4-S3B-MA-080912-R2	9/12/08 11:57	3	feet	8.94	7.43	18.97	4.3
T4-S3B-M-080912-R2	T4-S3B-MB-080912-R2	9/12/08 11:57	19	feet	8.72	7.34	18.81	4.4
T4-S3B-M-080912-R2	T4-S3B-MC-080912-R2	9/12/08 11:57	35	feet	8.64	7.31	18.77	6.3
T4-S3B-N-080912-R2	T4-S3B-NA-080912-R2	9/12/08 12:10	3	feet	8.76	7.37	19	3.5
T4-S3B-N-080912-R2	T4-S3B-NB-080912-R2	9/12/08 12:10	21	feet	8.57	7.32	18.83	6.3
T4-S3B-N-080912-R2	T4-S3B-NC-080912-R2	9/12/08 12:10	40	feet	8.53	7.32	18.87	33.7
T4-S3M-E-080912-R2	T4-S3M-EA-080912-R2	9/12/08 12:41	3	feet	9.12	7.35	19.25	3.1
T4-S3M-E-080912-R2	T4-S3M-EB-080912-R2	9/12/08 12:41	28	feet	8.85	7.32	18.79	3.6
T4-S3M-E-080912-R2	T4-S3M-EC-080912-R2	9/12/08 12:41	54	feet	8.76	7.32	18.77	4.2
T4-S3M-M-080912-R2	T4-S3M-MA-080912-R2	9/12/08 12:47	3	feet	9.14	7.39	19.23	3.8
T4-S3M-M-080912-R2	T4-S3M-MB-080912-R2	9/12/08 12:47	27	feet	8.81	7.31	18.78	4.3
T4-S3M-M-080912-R2	T4-S3M-MC-080912-R2	9/12/08 12:47	52	feet	8.67	7.32	18.73	5.1
T4-S3M-S-080912-R2	T4-S3M-SA-080912-R2	9/12/08 12:52	3	feet	9.1	7.4	19.06	3.9
T4-S3M-S-080912-R2	T4-S3M-SB-080912-R2	9/12/08 12:52	27	feet	8.83	7.35	18.76	4.6
T4-S3M-S-080912-R2	T4-S3M-SC-080912-R2	9/12/08 12:52	50	feet	8.67	7.34	18.73	5.8
T4-S3M-N-080912-R2	T4-S3M-NA-080912-R2	9/12/08 12:58	3	feet	9.17	7.42	19.18	3.6
T4-S3M-N-080912-R2	T4-S3M-NB-080912-R2	9/12/08 12:58	15	feet	8.94	7.35	18.8	3.7
T4-S3M-N-080912-R2	T4-S3M-NC-080912-R2	9/12/08 12:58	26	feet	8.85	7.32	18.79	4.5

Field Parameter Water Quality Results - T4 Site

Location ID	Sample ID	Sample Date	Depth	Chemical:	Dissolved oxygen (field)	pH (field)	Temperature (field)	Turbidity (field)
				Unit:	mg/L	su	deg C	NTU
				Depth Unit[1]				
T4-S3B-E-080912-R3	T4-S3B-EA-080912-R3	9/12/08 13:05	3	feet	8.84	7.33	19.15	3.1
T4-S3B-E-080912-R3	T4-S3B-EB-080912-R3	9/12/08 13:05	19	feet	8.68	7.3	18.94	3.3
T4-S3B-E-080912-R3	T4-S3B-EC-080912-R3	9/12/08 13:05	36	feet	8.59	7.3	18.81	5.6
T4-S3B-S-080912-R3	T4-S3B-SA-080912-R3	9/12/08 13:12	3	feet	9.01	7.38	19.14	4.4
T4-S3B-S-080912-R3	T4-S3B-SB-080912-R3	9/12/08 13:12	20	feet	8.84	7.31	18.95	4.3
T4-S3B-S-080912-R3	T4-S3B-SC-080912-R3	9/12/08 13:12	37	feet	8.59	7.24	18.8	5.6
T4-S3B-M-080912-R3	T4-S3B-MA-080912-R3	9/12/08 13:14	3	feet	8.99	7.38	19.5	3.4
T4-S3B-M-080912-R3	T4-S3B-MB-080912-R3	9/12/08 13:14	19	feet	8.71	7.31	18.83	4
T4-S3B-M-080912-R3	T4-S3B-MC-080912-R3	9/12/08 13:14	36	feet	8.61	7.32	18.79	7.4
T4-S3B-N-080912-R3	T4-S3B-NA-080912-R3	9/12/08 13:22	3	feet	8.92	7.39	19.28	3.9
T4-S3B-N-080912-R3	T4-S3B-NB-080912-R3	9/12/08 13:22	22	feet	8.63	7.3	18.92	5.2
T4-S3B-N-080912-R3	T4-S3B-NC-080912-R3	9/12/08 13:22	40	feet	8.52	7.32	18.89	24.8
T4-S3M-E-080912-R3	T4-S3M-EA-080912-R3	9/12/08 13:26	3	feet	9.18	7.44	19.04	3.8
T4-S3M-E-080912-R3	T4-S3M-EB-080912-R3	9/12/08 13:26	28	feet	8.82	7.36	18.76	4.1
T4-S3M-E-080912-R3	T4-S3M-EC-080912-R3	9/12/08 13:26	54	feet	8.7	7.36	18.74	5.6
T4-S3M-M-080912-R3	T4-S3M-MA-080912-R3	9/12/08 13:34	3	feet	9.14	7.46	19.05	3.9
T4-S3M-M-080912-R3	T4-S3M-MB-080912-R3	9/12/08 13:34	28	feet	8.8	7.37	18.75	4.4
T4-S3M-M-080912-R3	T4-S3M-MC-080912-R3	9/12/08 13:34	53	feet	8.66	7.35	18.74	5.3
T4-S3M-S-080912-R3	T4-S3M-SA-080912-R3	9/12/08 13:39	3	feet	9.15	7.43	19.12	3.7
T4-S3M-S-080912-R3	T4-S3M-SB-080912-R3	9/12/08 13:39	27	feet	8.81	7.37	18.76	4.3
T4-S3M-S-080912-R3	T4-S3M-SC-080912-R3	9/12/08 13:39	50	feet	8.69	7.35	18.74	5
T4-S3M-N-080912-R3	T4-S3M-NA-080912-R3	9/12/08 13:45	3	feet	9.23	7.47	19.47	3.1
T4-S3M-N-080912-R3	T4-S3M-NB-080912-R3	9/12/08 13:45	15	feet	8.94	7.38	18.87	3.8
T4-S3M-N-080912-R3	T4-S3M-NC-080912-R3	9/12/08 13:45	28	feet	8.87	7.38	18.83	4.4
T4-BG-01R-080913	T4-BG-01R-A-080913	9/13/08 7:05	3	feet	8.86	7.23	18.88	3.4
T4-BG-01R-080913	T4-BG-01R-B-080913	9/13/08 7:05	36	feet	8.77	7.27	18.89	3
T4-BG-01R-080913	T4-BG-01R-C-080913	9/13/08 7:05	69	feet	8.65	7.29	18.88	5.9
T4-S3B-E-080913-R1	T4-S3B-EA-080913-R1	9/13/08 7:45	3	feet	8.84	7.23	18.84	9.1
T4-S3B-E-080913-R1	T4-S3B-EB-080913-R1	9/13/08 7:45	19	feet	8.68	7.22	18.88	10.3
T4-S3B-E-080913-R1	T4-S3B-EC-080913-R1	9/13/08 7:45	34	feet	8.64	7.22	18.89	10.5
T4-S3B-S-080913-R1	T4-S3B-SA-080913-R1	9/13/08 7:50	3	feet	8.86	7.23	18.85	7.8
T4-S3B-S-080913-R1	T4-S3B-SB-080913-R1	9/13/08 7:50	21	feet	8.74	7.21	18.88	8.6
T4-S3B-S-080913-R1	T4-S3B-SC-080913-R1	9/13/08 7:50	40	feet	8.65	7.22	18.87	8.7
T4-S3B-M-080913-R1	T4-S3B-MA-080913-R1	9/13/08 8:00	3	feet	8.98	7.23	18.81	7.2
T4-S3B-M-080913-R1	T4-S3B-MB-080913-R1	9/13/08 8:00	20	feet	8.73	7.2	18.9	8.8
T4-S3B-M-080913-R1	T4-S3B-MC-080913-R1	9/13/08 8:00	37	feet	8.61	7.21	18.9	11.2
T4-S3B-N-080913-R1	T4-S3B-NA-080913-R1	9/13/08 8:05	3	feet	8.77	7.26	18.85	6.4
T4-S3B-N-080913-R1	T4-S3B-NB-080913-R1	9/13/08 8:05	22	feet	8.73	7.2	18.89	7.5
T4-S3B-N-080913-R1	T4-S3B-NC-080913-R1	9/13/08 8:05	41	feet	8.59	7.17	18.89	11.5
T4-S3B-E-080913-R2	T4-S3B-EA-080913-R2	9/13/08 8:15	3	feet	8.9	7.22	18.8	12.3
T4-S3B-E-080913-R2	T4-S3B-EB-080913-R2	9/13/08 8:15	18	feet	8.73	7.21	18.88	11.8
T4-S3B-E-080913-R2	T4-S3B-EC-080913-R2	9/13/08 8:15	34	feet	8.65	7.21	18.88	27.8
T4-S3B-S-080913-R2	T4-S3B-SA-080913-R2	9/13/08 8:25	3	feet	8.87	7.25	18.86	6.7
T4-S3B-S-080913-R2	T4-S3B-SB-080913-R2	9/13/08 8:25	21	feet	8.74	7.21	18.87	8.1
T4-S3B-S-080913-R2	T4-S3B-SC-080913-R2	9/13/08 8:25	39	feet	8.62	7.16	18.89	10.4
T4-S3B-M-080913-R2	T4-S3B-MA-080913-R2	9/13/08 8:30	3	feet	8.76	7.25	18.86	7.4
T4-S3B-M-080913-R2	T4-S3B-MB-080913-R2	9/13/08 8:30	20	feet	8.75	7.2	18.88	8.5
T4-S3B-M-080913-R2	T4-S3B-MC-080913-R2	9/13/08 8:30	37	feet	8.67	7.23	18.88	11.5
T4-S3B-N-080913-R2	T4-S3B-NA-080913-R2	9/13/08 9:15	3	feet	8.95	7.26	18.84	12.5
T4-S3B-N-080913-R2	T4-S3B-NB-080913-R2	9/13/08 9:15	22	feet	8.71	7.24	18.87	13
T4-S3B-N-080913-R2	T4-S3B-NC-080913-R2	9/13/08 9:15	42	feet	8.61	7.24	18.84	16.1
T4-S3M-E-080913-R2	T4-S3M-EA-080913-R2	9/13/08 9:30	3	feet	8.97	7.28	18.87	4.3
T4-S3M-E-080913-R2	T4-S3M-EB-080913-R2	9/13/08 9:30	29	feet	8.87	7.24	18.87	4.4
T4-S3M-E-080913-R2	T4-S3M-EC-080913-R2	9/13/08 9:30	55	feet	8.65	7.27	18.87	7.6
T4-S3M-M-080913-R2	T4-S3M-MA-080913-R2	9/13/08 9:35	3	feet	9.01	7.29	18.89	4.5
T4-S3M-M-080913-R2	T4-S3M-MB-080913-R2	9/13/08 9:35	28	feet	8.85	7.26	18.89	4.9
T4-S3M-M-080913-R2	T4-S3M-MC-080913-R2	9/13/08 9:35	54	feet	8.73	7.27	18.87	6.5
T4-S3M-S-080913-R2	T4-S3M-SA-080913-R2	9/13/08 9:40	3	feet	9.05	7.28	18.87	4.9
T4-S3M-S-080913-R2	T4-S3M-SB-080913-R2	9/13/08 9:40	27	feet	8.86	7.25	18.88	5.4
T4-S3M-S-080913-R2	T4-S3M-SC-080913-R2	9/13/08 9:40	52	feet	8.73	7.27	18.87	4.9
T4-S3M-N-080913-R2	T4-S3M-NA-080913-R2	9/13/08 9:45	3	feet	8.98	7.27	18.89	5.2
T4-S3M-N-080913-R2	T4-S3M-NB-080913-R2	9/13/08 9:45	16	feet	8.87	7.24	18.88	4.9
T4-S3M-N-080913-R2	T4-S3M-NC-080913-R2	9/13/08 9:45	30	feet	8.81	7.25	18.88	5.4
T4-S3B-E-080913-R3	T4-S3B-EA-080913-R3	9/13/08 11:10	3	feet	8.97	7.31	18.94	5.8
T4-S3B-E-080913-R3	T4-S3B-EB-080913-R3	9/13/08 11:10	17	feet	8.9	7.25	18.92	6.5
T4-S3B-E-080913-R3	T4-S3B-EC-080913-R3	9/13/08 11:10	32	feet	8.76	7.27	18.9	53.9
T4-S3B-S-080913-R3	T4-S3B-SA-080913-R3	9/13/08 11:15	3	feet	9.06	7.33	19.1	8.3
T4-S3B-S-080913-R3	T4-S3B-SB-080913-R3	9/13/08 11:15	20	feet	9.05	7.24	18.9	23.3
T4-S3B-S-080913-R3	T4-S3B-SC-080913-R3	9/13/08 11:15	37	feet	8.65	7.2	18.92	22.1
T4-S3B-M-080913-R3	T4-S3B-MA-080913-R3	9/13/08 11:20	3	feet	9.37	7.34	18.96	5.3
T4-S3B-M-080913-R3	T4-S3B-MB-080913-R3	9/13/08 11:20	18	feet	8.85	7.24	18.89	9.8
T4-S3B-M-080913-R3	T4-S3B-MC-080913-R3	9/13/08 11:20	34	feet	8.66	7.25	18.9	39.7
T4-S3B-N-080913-R3	T4-S3B-NA-080913-R3	9/13/08 11:25	3	feet	9.32	7.32	18.92	8.8
T4-S3B-N-080913-R3	T4-S3B-NB-080913-R3	9/13/08 11:25	21	feet	8.88	7.24	18.91	9.3
T4-S3B-N-080913-R3	T4-S3B-NC-080913-R3	9/13/08 11:25	39	feet	8.67	7.22	18.9	17.3
T4-S3M-E-080913-R3	T4-S3M-EA-080913-R3	9/13/08 11:55	3	feet	9.31	7.35	19.15	2.7
T4-S3M-E-080913-R3	T4-S3M-EB-080913-R3	9/13/08 11:55	27	feet	9.11	7.27	18.9	2.6
T4-S3M-E-080913-R3	T4-S3M-EC-080913-R3	9/13/08 11:55	51	feet	8.75	7.24	18.91	7.4
T4-S3M-M-080913-R3	T4-S3M-MA-080913-R3	9/13/08 12:00	3	feet	9.6	7.35	19.17	3.8
T4-S3M-M-080913-R3	T4-S3M-MB-080913-R3	9/13/08 12:00	28	feet	9.11	7.26	18.91	4
T4-S3M-M-080913-R3	T4-S3M-MC-080913-R3	9/13/08 12:00	54	feet	8.74	7.28	18.89	5.4
T4-S3M-S-080913-R3	T4-S3M-SA-080913-R3	9/13/08 12:02	3	feet	9.14	7.36	19.22	3.6
T4-S3M-S-080913-R3	T4-S3M-SB-080913-R3	9/13/08 12:02	26	feet	9.08	7.26	18.93	4.3

Field Parameter Water Quality Results - T4 Site

Location ID	Sample ID	Sample Date	Depth	Chemical:	Dissolved oxygen (field)	pH (field)	Temperature (field)	Turbidity (field)
				Unit:	mg/L	su	deg C	NTU
				Depth Unit[1]				
T4-S3M-S-080913-R3	T4-S3M-SC-080913-R3	9/13/08 12:02	49	feet	8.72	7.26	18.91	6.3
T4-S3M-N-080913-R3	T4-S3M-NA-080913-R3	9/13/08 12:10	3	feet	9.26	7.35	19.19	4
T4-S3M-N-080913-R3	T4-S3M-NB-080913-R3	9/13/08 12:10	15	feet	9.13	7.26	18.94	3.8
T4-S3M-N-080913-R3	T4-S3M-NC-080913-R3	9/13/08 12:10	28	feet	8.87	7.26	18.91	5.3
T4-BG-01R-080915	T4-BG-01R-A-080915	9/15/08 8:05	3	feet	8.82	7.23	19.14	3.8
T4-BG-01R-080915	T4-BG-01R-B-080915	9/15/08 8:05	34	feet	8.91	7.31	19.14	4
T4-BG-01R-080915	T4-BG-01R-C-080915	9/15/08 8:05	65	feet	8.68	7.32	19.14	4.6
T4-S3B-E-080915-R1	T4-S3B-EA-080915-R1	9/15/08 8:30	3	feet	8.86	7.26	19.19	3.2
T4-S3B-E-080915-R1	T4-S3B-EB-080915-R1	9/15/08 8:30	19	feet	8.68	7.26	19.21	3.2
T4-S3B-E-080915-R1	T4-S3B-EC-080915-R1	9/15/08 8:30	35	feet	8.62	7.29	19.21	7
T4-S3B-S-080915-R1	T4-S3B-SA-080915-R1	9/15/08 8:35	3	feet	8.96	7.29	19.22	2.6
T4-S3B-S-080915-R1	T4-S3B-SB-080915-R1	9/15/08 8:35	20	feet	8.72	7.25	19.23	2.2
T4-S3B-S-080915-R1	T4-S3B-SC-080915-R1	9/15/08 8:35	38	feet	8.58	7.25	19.21	2.3
T4-S3B-M-080915-R1	T4-S3B-MA-080915-R1	9/15/08 8:40	3	feet	8.9	7.3	19.22	5.1
T4-S3B-M-080915-R1	T4-S3B-MB-080915-R1	9/15/08 8:40	19	feet	8.73	7.27	19.22	12.5
T4-S3B-M-080915-R1	T4-S3B-MC-080915-R1	9/15/08 8:40	35	feet	8.58	7.3	19.22	17.5
T4-S3B-N-080915-R1	T4-S3B-NA-080915-R1	9/15/08 8:45	3	feet	8.95	7.3	19.24	3.3
T4-S3B-N-080915-R1	T4-S3B-NB-080915-R1	9/15/08 8:45	25	feet	8.73	7.27	19.22	3.7
T4-S3B-N-080915-R1	T4-S3B-NC-080915-R1	9/15/08 8:45	48	feet	8.44	7.2	19.14	7
T4-S3M-E-080915-R1	T4-S3M-EA-080915-R1	9/15/08 9:25	3	feet	9.03	7.32	19.21	3
T4-S3M-E-080915-R1	T4-S3M-EB-080915-R1	9/15/08 9:25	27	feet	8.83	7.32	19.15	2.3
T4-S3M-E-080915-R1	T4-S3M-EC-080915-R1	9/15/08 9:25	52	feet	8.7	7.33	19.15	2.2
T4-S3M-M-080915-R1	T4-S3M-MA-080915-R1	9/15/08 9:30	3	feet	9.03	7.34	19.23	7.5
T4-S3M-M-080915-R1	T4-S3M-MB-080915-R1	9/15/08 9:30	28	feet	8.88	7.3	19.15	5.9
T4-S3M-M-080915-R1	T4-S3M-MC-080915-R1	9/15/08 9:30	54	feet	8.68	7.32	19.15	4
T4-S3M-S-080915-R1	T4-S3M-SA-080915-R1	9/15/08 9:35	3	feet	8.91	7.34	19.21	3.5
T4-S3M-S-080915-R1	T4-S3M-SB-080915-R1	9/15/08 9:35	27	feet	8.87	7.3	19.14	3.6
T4-S3M-S-080915-R1	T4-S3M-SC-080915-R1	9/15/08 9:35	52	feet	8.7	7.31	19.14	3.9
T4-S3M-N-080915-R1	T4-S3M-NA-080915-R1	9/15/08 9:40	3	feet	8.96	7.34	19.2	3.9
T4-S3M-N-080915-R1	T4-S3M-NB-080915-R1	9/15/08 9:40	16	feet	8.86	7.29	19.17	3.9
T4-S3M-N-080915-R1	T4-S3M-NC-080915-R1	9/15/08 9:40	29	feet	8.72	7.31	19.16	5.4
T4-S3B-E-080915-R2	T4-S3B-EA-080915-R2	9/15/08 10:00	3	feet	9.08	7.35	19.27	1.9
T4-S3B-E-080915-R2	T4-S3B-EB-080915-R2	9/15/08 10:00	20	feet	8.8	7.29	19.23	2.9
T4-S3B-E-080915-R2	T4-S3B-EC-080915-R2	9/15/08 10:00	37	feet	8.59	7.3	19.22	23.4
T4-S3B-S-080915-R2	T4-S3B-SA-080915-R2	9/15/08 10:05	3	feet	8.83	7.3	19.25	5.1
T4-S3B-S-080915-R2	T4-S3B-SB-080915-R2	9/15/08 10:05	20	feet	8.67	7.3	19.23	5.3
T4-S3B-S-080915-R2	T4-S3B-SC-080915-R2	9/15/08 10:05	37	feet	8.54	7.32	19.23	10
T4-S3B-M-080915-R2	T4-S3B-MA-080915-R2	9/15/08 10:10	3	feet	9.08	7.35	19.29	4.7
T4-S3B-M-080915-R2	T4-S3B-MB-080915-R2	9/15/08 10:10	20	feet	8.78	7.3	19.21	6
T4-S3B-M-080915-R2	T4-S3B-MC-080915-R2	9/15/08 10:10	37	feet	8.52	7.31	19.22	23.4
T4-S3B-N-080915-R2	T4-S3B-NA-080915-R2	9/15/08 10:20	3	feet	8.96	7.34	19.35	3.2
T4-S3B-N-080915-R2	T4-S3B-NB-080915-R2	9/15/08 10:20	23	feet	8.84	7.29	19.24	10.4
T4-S3B-N-080915-R2	T4-S3B-NC-080915-R2	9/15/08 10:20	43	feet	8.6	7.29	19.23	17.9
T4-S3M-E-080915-R2	T4-S3M-EA-080915-R2	9/15/08 10:25	3	feet	8.88	7.29	19.27	3.2
T4-S3M-E-080915-R2	T4-S3M-EB-080915-R2	9/15/08 10:25	27	feet	8.86	7.3	19.15	3.4
T4-S3M-E-080915-R2	T4-S3M-EC-080915-R2	9/15/08 10:25	52	feet	8.73	7.32	19.13	5.2
T4-S3M-M-080915-R2	T4-S3M-MA-080915-R2	9/15/08 10:30	3	feet	9.22	7.38	19.33	2.7
T4-S3M-M-080915-R2	T4-S3M-MB-080915-R2	9/15/08 10:30	29	feet	8.95	7.32	19.15	3.9
T4-S3M-M-080915-R2	T4-S3M-MC-080915-R2	9/15/08 10:30	55	feet	8.74	7.32	19.14	4.8
T4-S3M-S-080915-R2	T4-S3M-SA-080915-R2	9/15/08 10:35	3	feet	9.27	7.41	19.28	4
T4-S3M-S-080915-R2	T4-S3M-SB-080915-R2	9/15/08 10:35	27	feet	8.86	7.32	19.15	4.8
T4-S3M-S-080915-R2	T4-S3M-SC-080915-R2	9/15/08 10:35	52	feet	8.71	7.32	19.13	5.1
T4-S3M-N-080915-R2	T4-S3M-NA-080915-R2	9/15/08 10:40	3	feet	9.25	7.4	19.2	4.9
T4-S3M-N-080915-R2	T4-S3M-NB-080915-R2	9/15/08 10:40	16	feet	8.91	7.31	19.16	4.7
T4-S3M-N-080915-R2	T4-S3M-NC-080915-R2	9/15/08 10:40	29	feet	8.8	7.32	19.15	5.8
T4-S3B-E-080915-R3	T4-S3B-EA-080915-R3	9/15/08 14:10	3	feet	8.84	7.36	19.9	7.1
T4-S3B-E-080915-R3	T4-S3B-EB-080915-R3	9/15/08 14:10	18	feet	8.63	7.28	19.34	8.9
T4-S3B-E-080915-R3	T4-S3B-EC-080915-R3	9/15/08 14:10	34	feet	8.56	7.29	19.31	28.6
T4-S3B-S-080915-R3	T4-S3B-SA-080915-R3	9/15/08 14:20	3	feet	9.02	7.4	19.29	4.6
T4-S3B-S-080915-R3	T4-S3B-SB-080915-R3	9/15/08 14:20	20	feet	8.63	7.28	19.32	10.5
T4-S3B-S-080915-R3	T4-S3B-SC-080915-R3	9/15/08 14:20	38	feet	8.54	7.3	19.33	11.4
T4-S3B-M-080915-R3	T4-S3B-MA-080915-R3	9/15/08 14:30	3	feet	9.06	7.4	19.74	6.3
T4-S3B-M-080915-R3	T4-S3B-MB-080915-R3	9/15/08 14:30	18	feet	8.69	7.29	19.36	10.7
T4-S3B-M-080915-R3	T4-S3B-MC-080915-R3	9/15/08 14:30	34	feet	8.57	7.29	19.33	27.7
T4-S3B-N-080915-R3	T4-S3B-NA-080915-R3	9/15/08 14:40	3	feet	8.95	7.35	19.65	8.6
T4-S3B-N-080915-R3	T4-S3B-NB-080915-R3	9/15/08 14:40	25	feet	8.65	7.28	19.3	9.2
T4-S3B-N-080915-R3	T4-S3B-NC-080915-R3	9/15/08 14:40	47	feet	8.49	7.28	19.3	12.8
T4-S3M-E-080915-R3	T4-S3M-EA-080915-R3	9/15/08 14:45	3	feet	9.25	7.46	19.54	3.5
T4-S3M-E-080915-R3	T4-S3M-EB-080915-R3	9/15/08 14:45	28	feet	8.8	7.31	19.2	4.4
T4-S3M-E-080915-R3	T4-S3M-EC-080915-R3	9/15/08 14:45	54	feet	8.65	7.3	19.18	5.3
T4-S3M-M-080915-R3	T4-S3M-MA-080915-R3	9/15/08 14:50	3	feet	9.25	7.42	20.03	2.9
T4-S3M-M-080915-R3	T4-S3M-MB-080915-R3	9/15/08 14:50	28	feet	8.79	7.31	19.16	4.5
T4-S3M-M-080915-R3	T4-S3M-MC-080915-R3	9/15/08 14:50	53	feet	8.64	7.29	19.16	4.7
T4-S3M-S-080915-R3	T4-S3M-SA-080915-R3	9/15/08 14:55	3	feet	9.34	7.5	19.78	3.7
T4-S3M-S-080915-R3	T4-S3M-SB-080915-R3	9/15/08 14:55	27	feet	8.82	7.31	19.19	4.7
T4-S3M-S-080915-R3	T4-S3M-SC-080915-R3	9/15/08 14:55	51	feet	8.61	7.29	19.16	6.1
T4-S3M-N-080915-R3	T4-S3M-NA-080915-R3	9/15/08 15:00	3	feet	9.27	7.46	19.67	3.7
T4-S3M-N-080915-R3	T4-S3M-NB-080915-R3	9/15/08 15:00	15	feet	9.02	7.33	19.44	3.9
T4-S3M-N-080915-R3	T4-S3M-NC-080915-R3	9/15/08 15:00	28	feet	8.76	7.29	19.21	5.5
T4-BG-01R-080916-R1	T4-BG-01R-A-080916-R1	9/16/08 7:55	3	feet	8.73	7.22	19.23	2.8
T4-BG-01R-080916-R1	T4-BG-01R-B-080916-R1	9/16/08 7:55	33	feet	8.69	7.27	19.26	2.7
T4-BG-01R-080916-R1	T4-BG-01R-C-080916-R1	9/16/08 7:55	63	feet	8.56	7.29	19.26	5.8
T4-S3B-E-080916-R1	T4-S3B-EA-080916-R1	9/16/08 8:15	3	feet	8.65	7.27	19.28	3.6

Field Parameter Water Quality Results - T4 Site

Location ID	Sample ID	Sample Date	Depth	Chemical:	Dissolved oxygen (field)	pH (field)	Temperature (field)	Turbidity (field)
				Unit:	mg/L	su	deg C	NTU
				Depth Unit[1]				
T4-S3B-E-080916-R1	T4-S3B-EB-080916-R1	9/16/08 8:15	25	feet	8.53	7.28	19.29	14.2
T4-S3B-E-080916-R1	T4-S3B-EC-080916-R1	9/16/08 8:15	48	feet	8.43	7.3	19.3	17.5
T4-S3B-S-080916-R1	T4-S3B-SA-080916-R1	9/16/08 8:30	3	feet	8.76	7.31	19.24	3.5
T4-S3B-S-080916-R1	T4-S3B-SB-080916-R1	9/16/08 8:30	20	feet	8.6	7.26	19.28	3.7
T4-S3B-S-080916-R1	T4-S3B-SC-080916-R1	9/16/08 8:30	37	feet	8.43	7.28	19.28	13.5
T4-S3B-M-080916-R1	T4-S3B-MA-080916-R1	9/16/08 8:35	3	feet	8.61	7.31	19.28	4.6
T4-S3B-M-080916-R1	T4-S3B-MB-080916-R1	9/16/08 8:35	22	feet	8.56	7.27	19.29	5.1
T4-S3B-M-080916-R1	T4-S3B-MC-080916-R1	9/16/08 8:35	43	feet	8.47	7.29	19.3	13.5
T4-S3B-N-080916-R1	T4-S3B-NA-080916-R1	9/16/08 8:40	3	feet	8.8	7.29	19.33	6.2
T4-S3B-N-080916-R1	T4-S3B-NB-080916-R1	9/16/08 8:40	22	feet	8.44	7.28	19.29	11
T4-S3B-N-080916-R1	T4-S3B-NC-080916-R1	9/16/08 8:40	41	feet	8.4	7.32	19.31	19.2
T4-S3M-E-080916-R1	T4-S3M-EA-080916-R1	9/16/08 8:50	3	feet	8.76	7.31	19.27	3.9
T4-S3M-E-080916-R1	T4-S3M-EB-080916-R1	9/16/08 8:50	30	feet	8.66	7.29	19.26	5.1
T4-S3M-E-080916-R1	T4-S3M-EC-080916-R1	9/16/08 8:50	56	feet	8.55	7.3	19.27	6.4
T4-S3M-M-080916-R1	T4-S3M-MA-080916-R1	9/16/08 8:55	3	feet	8.88	7.32	19.27	4.4
T4-S3M-M-080916-R1	T4-S3M-MB-080916-R1	9/16/08 8:55	29	feet	8.86	7.29	19.26	4.7
T4-S3M-M-080916-R1	T4-S3M-MC-080916-R1	9/16/08 8:55	55	feet	8.54	7.3	19.26	5.9
T4-S3M-S-080916-R1	T4-S3M-SA-080916-R1	9/16/08 9:00	3	feet	8.89	7.37	19.25	4.7
T4-S3M-S-080916-R1	T4-S3M-SB-080916-R1	9/16/08 9:00	29	feet	8.71	7.3	19.26	5.3
T4-S3M-S-080916-R1	T4-S3M-SC-080916-R1	9/16/08 9:00	55	feet	8.48	7.31	19.27	7.7
T4-S3M-N-080916-R1	T4-S3M-NA-080916-R1	9/16/08 9:05	3	feet	8.96	7.35	19.28	4.4
T4-S3M-N-080916-R1	T4-S3M-NB-080916-R1	9/16/08 9:05	16	feet	8.7	7.3	19.27	5
T4-S3M-N-080916-R1	T4-S3M-NC-080916-R1	9/16/08 9:05	30	feet	8.61	7.29	19.27	5.7
T4-BG-01R-080916-R2	T4-BG-01R-A-080916-R2	9/16/08 13:55	3	feet	9.1	7.29	19.47	3.5
T4-BG-01R-080916-R2	T4-BG-01R-B-080916-R2	9/16/08 13:55	35	feet	8.92	7.23	19.27	3.7
T4-BG-01R-080916-R2	T4-BG-01R-C-080916-R2	9/16/08 13:55	67	feet	8.64	7.25	19.23	5.4
T4-S3B-E-080916-R2	T4-S3B-EA-080916-R2	9/16/08 15:15	3	feet	8.88	7.22	19.78	9.2
T4-S3B-E-080916-R2	T4-S3B-EB-080916-R2	9/16/08 15:15	16	feet	8.79	7.15	19.49	15.1
T4-S3B-E-080916-R2	T4-S3B-EC-080916-R2	9/16/08 15:15	29	feet	8.55	7.16	19.45	25
T4-S3B-S-080916-R2	T4-S3B-SA-080916-R2	9/16/08 15:25	3	feet	9.26	7.51	19.88	5.9
T4-S3B-S-080916-R2	T4-S3B-SB-080916-R2	9/16/08 15:25	19	feet	9.27	7.2	19.42	6.3
T4-S3B-S-080916-R2	T4-S3B-SC-080916-R2	9/16/08 15:25	35	feet	8.58	7.16	19.35	7.3
T4-S3B-M-080916-R2	T4-S3B-MA-080916-R2	9/16/08 15:30	3	feet	9.34	7.78	19.89	6.6
T4-S3B-M-080916-R2	T4-S3B-MB-080916-R2	9/16/08 15:30	19	feet	9.13	7.2	19.41	6.5
T4-S3B-M-080916-R2	T4-S3B-MC-080916-R2	9/16/08 15:30	35	feet	8.58	7.19	19.36	8.1
T4-S3B-N-080916-R2	T4-S3B-NA-080916-R2	9/16/08 15:35	3	feet	9.8	7.37	19.98	4.9
T4-S3B-N-080916-R2	T4-S3B-NB-080916-R2	9/16/08 15:35	25	feet	9.13	7.2	19.37	9.5
T4-S3B-N-080916-R2	T4-S3B-NC-080916-R2	9/16/08 15:35	46	feet	8.49	7.2	19.33	10.2
T4-BG-01R-080917-R1	T4-BG-01R-A-080917-R1	9/17/08 9:30	3	feet	9.17	7.49	19.22	2.8
T4-BG-01R-080917-R1	T4-BG-01R-B-080917-R1	9/17/08 9:30	35	feet	8.61	7.31	19.14	3.8
T4-BG-01R-080917-R1	T4-BG-01R-C-080917-R1	9/17/08 9:30	67	feet	8.51	7.32	19.13	4.7
T4-S3B-E-080917-R1	T4-S3B-EA-080917-R1	9/17/08 10:00	3	feet	8.82	7.33	19.37	4.8
T4-S3B-E-080917-R1	T4-S3B-EB-080917-R1	9/17/08 10:00	20	feet	8.52	7.27	19.33	6.5
T4-S3B-E-080917-R1	T4-S3B-EC-080917-R1	9/17/08 10:00	37	feet	8.35	7.28	19.34	38.1
T4-S3B-S-080917-R1	T4-S3B-SA-080917-R1	9/17/08 10:10	3	feet	8.62	7.64	19.41	4.9
T4-S3B-S-080917-R1	T4-S3B-SB-080917-R1	9/17/08 10:10	19	feet	8.56	7.26	19.35	6.1
T4-S3B-S-080917-R1	T4-S3B-SC-080917-R1	9/17/08 10:10	35	feet	8.36	7.26	19.34	7.7
T4-S3B-M-080917-R1	T4-S3B-MA-080917-R1	9/17/08 10:15	3	feet	8.62	7.3	19.38	7.1
T4-S3B-M-080917-R1	T4-S3B-MB-080917-R1	9/17/08 10:15	20	feet	8.54	7.26	19.34	6.6
T4-S3B-M-080917-R1	T4-S3B-MC-080917-R1	9/17/08 10:15	37	feet	8.39	7.28	19.34	14.5
T4-S3B-N-080917-R1	T4-S3B-NA-080917-R1	9/17/08 10:20	3	feet	8.83	7.31	19.38	8.8
T4-S3B-N-080917-R1	T4-S3B-NB-080917-R1	9/17/08 10:20	22	feet	8.49	7.26	19.34	7.8
T4-S3B-N-080917-R1	T4-S3B-NC-080917-R1	9/17/08 10:20	42	feet	8.31	7.27	19.35	8.2
T4-S3B-E-080917-R2	T4-S3B-EA-080917-R2	9/17/08 10:30	3	feet	8.59	7.3	19.46	6.6
T4-S3B-E-080917-R2	T4-S3B-EB-080917-R2	9/17/08 10:30	19	feet	8.56	7.26	19.36	6.2
T4-S3B-E-080917-R2	T4-S3B-EC-080917-R2	9/17/08 10:30	35	feet	8.33	7.28	19.35	7.5
T4-S3B-S-080917-R2	T4-S3B-SA-080917-R2	9/17/08 10:35	3	feet	8.74	7.32	19.42	5.4
T4-S3B-S-080917-R2	T4-S3B-SB-080917-R2	9/17/08 10:35	20	feet	8.43	7.24	19.35	5.9
T4-S3B-S-080917-R2	T4-S3B-SC-080917-R2	9/17/08 10:35	37	feet	8.3	7.23	19.34	7.8
T4-S3B-M-080917-R2	T4-S3B-MA-080917-R2	9/17/08 10:40	3	feet	8.79	7.34	19.38	7.5
T4-S3B-M-080917-R2	T4-S3B-MB-080917-R2	9/17/08 10:40	20	feet	8.55	7.28	19.35	7.2
T4-S3B-M-080917-R2	T4-S3B-MC-080917-R2	9/17/08 10:40	37	feet	8.42	7.28	19.34	13.1
T4-S3B-N-080917-R2	T4-S3B-NA-080917-R2	9/17/08 10:45	3	feet	8.51	7.3	19.38	8.4
T4-S3B-N-080917-R2	T4-S3B-NB-080917-R2	9/17/08 10:45	23	feet	8.43	7.25	19.36	8.8
T4-S3B-N-080917-R2	T4-S3B-NC-080917-R2	9/17/08 10:45	43	feet	8.28	7.28	19.35	14
T4-S3B-E-080917-R3	T4-S3B-EA-080917-R3	9/17/08 12:00	3	feet	8.94	7.42	19.64	4.9
T4-S3B-E-080917-R3	T4-S3B-EB-080917-R3	9/17/08 12:00	19	feet	8.47	7.26	19.39	4.9
T4-S3B-E-080917-R3	T4-S3B-EC-080917-R3	9/17/08 12:00	34	feet	8.39	7.25	19.36	5.3
T4-S3B-S-080917-R3	T4-S3B-SA-080917-R3	9/17/08 12:05	3	feet	8.93	7.36	19.45	6.3
T4-S3B-S-080917-R3	T4-S3B-SB-080917-R3	9/17/08 12:05	18	feet	8.63	7.24	19.37	5.9
T4-S3B-S-080917-R3	T4-S3B-SC-080917-R3	9/17/08 12:05	36	feet	8.22	7.23	19.34	6.7
T4-S3B-M-080917-R3	T4-S3B-MA-080917-R3	9/17/08 12:07	3	feet	8.72	7.33	19.64	5.9
T4-S3B-M-080917-R3	T4-S3B-MB-080917-R3	9/17/08 12:07	20	feet	8.71	7.26	19.35	6.1
T4-S3B-M-080917-R3	T4-S3B-MC-080917-R3	9/17/08 12:07	37	feet	8.48	7.28	19.36	14.6
T4-S3B-N-080917-R3	T4-S3B-NA-080917-R3	9/17/08 12:15	3	feet	8.91	7.35	19.52	7.1
T4-S3B-N-080917-R3	T4-S3B-NB-080917-R3	9/17/08 12:15	25	feet	8.61	7.26	19.36	12.3
T4-S3B-N-080917-R3	T4-S3B-NC-080917-R3	9/17/08 12:15	48	feet	8.36	7.28	19.36	29
T4-S3M-E-080917-R3	T4-S3M-EA-080917-R3	9/17/08 13:40	3	feet	9.07	7.78	19.73	3.21
T4-S3M-E-080917-R3	T4-S3M-EB-080917-R3	9/17/08 13:40	31	feet	8.25	7.57	19.71	3.92
T4-S3M-E-080917-R3	T4-S3M-EC-080917-R3	9/17/08 13:40	59	feet	8.21	7.54	19.56	5.69
T4-S3M-M-080917-R3	T4-S3M-MA-080917-R3	9/17/08 14:05	3	feet	8.74	7.77	19.72	4.4
T4-S3M-M-080917-R3	T4-S3M-MB-080917-R3	9/17/08 14:05	28	feet	8.46	7.7	19.74	3.74
T4-S3M-M-080917-R3	T4-S3M-MC-080917-R3	9/17/08 14:05	54	feet	8.28	7.57	19.52	6.87

Field Parameter Water Quality Results - T4 Site

Location ID	Sample ID	Sample Date	Depth	Chemical:	Dissolved oxygen (field)	pH (field)	Temperature (field)	Turbidity (field)
				Unit:	mg/L	su	deg C	NTU
				Depth Unit[1]				
T4-S3M-S-080917-R3	T4-S3M-SA-080917-R3	9/17/08 14:25	3	feet	9.55	7.87	20.14	3.39
T4-S3M-S-080917-R3	T4-S3M-SB-080917-R3	9/17/08 14:25	28	feet	8.79	7.55	19.69	4.03
T4-S3M-S-080917-R3	T4-S3M-SC-080917-R3	9/17/08 14:25	54	feet	8.19	7.5	19.48	6.86
T4-S3M-N-080917-R3	T4-S3M-NA-080917-R3	9/17/08 14:40	3	feet	7.81	7.54	20.32	3.55
T4-S3M-N-080917-R3	T4-S3M-NB-080917-R3	9/17/08 14:40	16	feet	8.24	7.58	19.67	3.64
T4-S3M-N-080917-R3	T4-S3M-NC-080917-R3	9/17/08 14:40	30	feet	8.13	7.51	19.58	4.71
T4-S3B-E-080917-R4	T4-S3B-EA-080917-R4	9/17/08 15:00	3	feet	7.86	7.51	20.33	7.22
T4-S3B-E-080917-R4	T4-S3B-EB-080917-R4	9/17/08 15:00	19	feet	8.25	7.62	19.99	12.6
T4-S3B-E-080917-R4	T4-S3B-EC-080917-R4	9/17/08 15:00	35	feet	8.41	7.65	19.82	23.6
T4-S3B-S-080917-R4	T4-S3B-SA-080917-R4	9/17/08 15:10	3	feet	8.15	7.66	19.94	6.68
T4-S3B-S-080917-R4	T4-S3B-SB-080917-R4	9/17/08 15:10	20	feet	8.2	7.6	19.76	22.4
T4-S3B-S-080917-R4	T4-S3B-SC-080917-R4	9/17/08 15:10	37	feet	7.55	7.39	19.68	11.7
T4-S3B-M-080917-R4	T4-S3B-MA-080917-R4	9/17/08 15:25	3	feet	7.33	7.31	20.53	5.33
T4-S3B-M-080917-R4	T4-S3B-MB-080917-R4	9/17/08 15:25	20	feet	8.68	7.59	19.76	21.2
T4-S3B-M-080917-R4	T4-S3B-MC-080917-R4	9/17/08 15:25	37	feet	8.9	7.46	19.69	9.81
T4-S3B-N-080917-R4	T4-S3B-NA-080917-R4	9/17/08 15:45	3	feet	8.3	7.68	20.29	5.16
T4-S3B-N-080917-R4	T4-S3B-NB-080917-R4	9/17/08 15:45	22	feet	8.62	7.73	19.77	7.35
T4-S3B-N-080917-R4	T4-S3B-NC-080917-R4	9/17/08 15:45	41	feet	8.27	7.62	19.58	9.04
T4-S3M-E-080917-R4	T4-S3M-EA-080917-R4	9/17/08 16:00	3	feet	8.14	7.78	20.39	9.04
T4-S3M-E-080917-R4	T4-S3M-EB-080917-R4	9/17/08 16:00	29	feet	8.55	7.61	19.65	4.3
T4-S3M-E-080917-R4	T4-S3M-EC-080917-R4	9/17/08 16:00	55	feet	8.29	7.56	19.51	7.05
T4-S3M-M-080917-R4	T4-S3M-MA-080917-R4	9/17/08 16:15	3	feet	8.4	7.81	20.33	3.11
T4-S3M-M-080917-R4	T4-S3M-MB-080917-R4	9/17/08 16:15	19	feet	8.16	7.59	19.47	4.61
T4-S3M-M-080917-R4	T4-S3M-MC-080917-R4	9/17/08 16:15	55	feet	8.34	7.6	19.43	5.76
T4-S3M-S-080917-R4	T4-S3M-SA-080917-R4	9/17/08 16:30	3	feet	8.56	7.59	20.24	3.25
T4-S3M-S-080917-R4	T4-S3M-SB-080917-R4	9/17/08 16:30	29	feet	8.59	7.68	19.73	3.66
T4-S3M-S-080917-R4	T4-S3M-SC-080917-R4	9/17/08 16:30	55	feet	8.22	7.65	19.39	6.51
T4-S3M-N-080917-R4	T4-S3M-NA-080917-R4	9/17/08 16:45	3	feet	7.86	7.57	20.49	3.58
T4-S3M-N-080917-R4	T4-S3M-NB-080917-R4	9/17/08 16:45	16	feet	8.64	7.42	19.59	4.2
T4-S3M-N-080917-R4	T4-S3M-NC-080917-R4	9/17/08 16:45	29	feet	8.14	7.5	19.4	7.37
T4-BG-01R-080918	T4-BG-01R-A-080918	9/18/08 7:30	3	feet	7.66	7.11	18.47	5.47
T4-BG-01R-080918	T4-BG-01R-B-080918	9/18/08 7:30	36	feet	7.87	7.17	18.89	9.19
T4-BG-01R-080918	T4-BG-01R-C-080918	9/18/08 7:30	70	feet	8.1	7.22	18.79	10.7
T4-S3B-E-080918-R1	T4-S3B-EA-080918-R1	9/18/08 8:20	3	feet	7.57	7.21	19.05	7.45
T4-S3B-E-080918-R1	T4-S3B-EB-080918-R1	9/18/08 8:20	20	feet	7.4	7.17	19.01	11.27
T4-S3B-E-080918-R1	T4-S3B-EC-080918-R1	9/18/08 8:20	36	feet	7.02	7.18	18.82	10.75
T4-S3B-S-080918-R1	T4-S3B-SA-080918-R1	9/18/08 8:30	3	feet	7.37	7.2	18.81	7.05
T4-S3B-S-080918-R1	T4-S3B-SB-080918-R1	9/18/08 8:30	21	feet	7.17	7.2	18.76	8.37
T4-S3B-S-080918-R1	T4-S3B-SC-080918-R1	9/18/08 8:30	39	feet	6.98	7.13	19.05	14.74
T4-S3B-M-080918-R1	T4-S3B-MA-080918-R1	9/18/08 8:45	3	feet	7.41	7.13	18.99	7.1
T4-S3B-M-080918-R1	T4-S3B-MB-080918-R1	9/18/08 8:45	21	feet	7.19	7.21	18.99	6.27
T4-S3B-M-080918-R1	T4-S3B-MC-080918-R1	9/18/08 8:45	38	feet	7.06	7.16	19.04	14.52
T4-S3B-N-080918-R1	T4-S3B-NA-080918-R1	9/18/08 9:00	3	feet	7	7.13	19.08	5.67
T4-S3B-N-080918-R1	T4-S3B-NB-080918-R1	9/18/08 9:00	23	feet	7.11	7.15	19.11	9.44
T4-S3B-N-080918-R1	T4-S3B-NC-080918-R1	9/18/08 9:00	44	feet	7.14	7.28	18.97	8.53
T4-S3B-E-080918-R2	T4-S3B-EA-080918-R2	9/18/08 9:20	3	feet	6.92	7.14	19.09	5.64
T4-S3B-E-080918-R2	T4-S3B-EB-080918-R2	9/18/08 9:20	20	feet	7.5	7.15	19.1	7.59
T4-S3B-E-080918-R2	T4-S3B-EC-080918-R2	9/18/08 9:20	37	feet	6.89	7.1	19.06	7.28
T4-S3B-S-080918-R2	T4-S3B-SA-080918-R2	9/18/08 9:40	3	feet	6.83	7.1	18.97	5.27
T4-S3B-S-080918-R2	T4-S3B-SB-080918-R2	9/18/08 9:40	20	feet	7.56	7.17	18.96	4.43
T4-S3B-S-080918-R2	T4-S3B-SC-080918-R2	9/18/08 9:40	37	feet	6.95	7.32	19.05	13.53
T4-S3B-M-080918-R2	T4-S3B-MA-080918-R2	9/18/08 9:55	3	feet	6.95	7.16	19.1	4.81
T4-S3B-M-080918-R2	T4-S3B-MB-080918-R2	9/18/08 9:55	20	feet	6.95	7.18	19.02	5.54
T4-S3B-M-080918-R2	T4-S3B-MC-080918-R2	9/18/08 9:55	38	feet	6.93	7.31	19.05	10.28
T4-S3B-N-080918-R2	T4-S3B-NA-080918-R2	9/18/08 10:10	3	feet	6.52	7.09	19.15	5.37
T4-S3B-N-080918-R2	T4-S3B-NB-080918-R2	9/18/08 10:10	23	feet	7.05	7.22	19.14	5.81
T4-S3B-N-080918-R2	T4-S3B-NC-080918-R2	9/18/08 10:10	43	feet	7.51	7.3	18.76	6.86
T4-S3B-E-080918-R3	T4-S3B-EA-080918-R3	9/18/08 11:15	3	feet	7.91	7.21	18.97	5.25
T4-S3B-E-080918-R3	T4-S3B-EB-080918-R3	9/18/08 11:15	19	feet	7.59	7.21	19.03	4.22
T4-S3B-E-080918-R3	T4-S3B-EC-080918-R3	9/18/08 11:15	36	feet	7.21	7.2	18.99	22.04
T4-BG-01R-080919	T4-BG-01R-A-080919	9/18/08 11:20	3	feet	7.82	6.97	18.83	4.58
T4-BG-01R-080919	T4-BG-01R-B-080919	9/18/08 11:20	33	feet	7.09	7.01	18.85	4.49
T4-BG-01R-080919	T4-BG-01R-C-080919	9/18/08 11:20	63	feet	7.21	7.05	18.82	6.63
T4-S3B-S-080918-R3	T4-S3B-SA-080918-R3	9/18/08 11:25	3	feet	7.15	7.21	19.09	4.5
T4-S3B-S-080918-R3	T4-S3B-SB-080918-R3	9/18/08 11:25	20	feet	7.15	7.23	18.8	4.15
T4-S3B-S-080918-R3	T4-S3B-SC-080918-R3	9/18/08 11:25	37	feet	7.06	7.17	19.09	20.51
T4-S3B-M-080918-R3	T4-S3B-MA-080918-R3	9/18/08 11:35	3	feet	7.36	7.23	18.8	5
T4-S3B-M-080918-R3	T4-S3B-MB-080918-R3	9/18/08 11:35	20	feet	6.9	7.25	19	7.42
T4-S3B-M-080918-R3	T4-S3B-MC-080918-R3	9/18/08 11:35	38	feet	7.02	7.36	18.79	26.14
T4-S3B-N-080918-R3	T4-S3B-NA-080918-R3	9/18/08 11:50	3	feet	7.03	7.24	19.19	4.82
T4-S3B-N-080918-R3	T4-S3B-NB-080918-R3	9/18/08 11:50	23	feet	7.35	7.25	19.08	4.33
T4-S3B-N-080918-R3	T4-S3B-NC-080918-R3	9/18/08 11:50	43	feet	7.06	7.35	18.99	18.5
T4-S3M-E-080918-R3	T4-S3M-EA-080918-R3	9/18/08 12:25	3	feet	7.7	7.26	19.04	3.67
T4-S3M-E-080918-R3	T4-S3M-EB-080918-R3	9/18/08 12:25	24	feet	7.45	7.3	18.98	5.62
T4-S3M-E-080918-R3	T4-S3M-EC-080918-R3	9/18/08 12:25	45	feet	7.76	7.83	19.01	5.88
T4-S3M-M-080918-R3	T4-S3M-MA-080918-R3	9/18/08 12:35	3	feet	7.61	7.29	19.05	4.63
T4-S3M-M-080918-R3	T4-S3M-MB-080918-R3	9/18/08 12:35	29	feet	7.1	7.24	18.94	4.67
T4-S3M-M-080918-R3	T4-S3M-MC-080918-R3	9/18/08 12:35	55	feet	7.51	7.47	18.82	6.77
T4-S3M-S-080918-R3	T4-S3M-SA-080918-R3	9/18/08 12:40	3	feet	7.64	7.29	18.82	4.38
T4-S3M-S-080918-R3	T4-S3M-SB-080918-R3	9/18/08 12:40	28	feet	7.66	7.27	18.78	5.05
T4-S3M-S-080918-R3	T4-S3M-SC-080918-R3	9/18/08 12:40	55	feet	7.7	7.37	18.66	7.46
T4-S3M-N-080918-R3	T4-S3M-NA-080918-R3	9/18/08 12:50	3	feet	7.56	7.34	18.93	4.09
T4-S3M-N-080918-R3	T4-S3M-NB-080918-R3	9/18/08 12:50	17	feet	7.8	7.31	18.71	4.69

Field Parameter Water Quality Results - T4 Site

Location ID	Sample ID	Sample Date	Depth	Chemical:	Dissolved oxygen (field)	pH (field)	Temperature (field)	Turbidity (field)
				Unit:	mg/L	su	deg C	NTU
				Depth Unit[1]				
T4-S3M-N-080918-R3	T4-S3M-NC-080918-R3	9/18/08 12:50	31	feet	6.99	7.19	18.92	4.16
T4-S3B-E-080918-R4	T4-S3B-EA-080918-R4	9/18/08 14:30	3	feet	8.01	7.2	19.04	3.49
T4-S3B-E-080918-R4	T4-S3B-EB-080918-R4	9/18/08 14:30	18	feet	7.4	7.2	19.03	6.56
T4-S3B-E-080918-R4	T4-S3B-EC-080918-R4	9/18/08 14:30	34	feet	7.45	7.26	18.97	30.99
T4-S3B-S-080918-R4	T4-S3B-SA-080918-R4	9/18/08 14:50	3	feet	6.88	7.14	19.15	3.44
T4-S3B-S-080918-R4	T4-S3B-SB-080918-R4	9/18/08 14:50	19	feet	7.5	7.33	19.06	6.95
T4-S3B-S-080918-R4	T4-S3B-SC-080918-R4	9/18/08 14:50	35	feet	7.33	7.41	18.96	17.86
T4-S3B-M-080918-R4	T4-S3B-MA-080918-R4	9/18/08 15:00	3	feet	7.4	7.32	18.96	4.81
T4-S3B-M-080918-R4	T4-S3B-MB-080918-R4	9/18/08 15:00	20	feet	7.89	7.29	19.15	7.18
T4-S3B-M-080918-R4	T4-S3B-MC-080918-R4	9/18/08 15:00	37	feet	7.66	7.35	19.12	22.53
T4-S3B-N-080918-R4	T4-S3B-NA-080918-R4	9/18/08 15:15	3	feet	7.55	7.31	19.11	4.5
T4-S3B-N-080918-R4	T4-S3B-NB-080918-R4	9/18/08 15:15	22	feet	7.29	7.31	19.03	15.9
T4-S3B-N-080918-R4	T4-S3B-NC-080918-R4	9/18/08 15:15	42	feet	7.56	7.45	19	19.59
T4-S3M-E-080918-R4	T4-S3M-EA-080918-R4	9/18/08 15:30	3	feet	7.54	7.32	18.97	3.49
T4-S3M-E-080918-R4	T4-S3M-EB-080918-R4	9/18/08 15:30	27	feet	7.49	7.28	18.99	5.06
T4-S3M-E-080918-R4	T4-S3M-EC-080918-R4	9/18/08 15:30	52	feet	7.29	7.27	18.88	8.51
T4-S3M-M-080918-R4	T4-S3M-MA-080918-R4	9/18/08 15:40	3	feet	7.52	7.37	19.02	4.33
T4-S3M-M-080918-R4	T4-S3M-MB-080918-R4	9/18/08 15:40	28	feet	7.52	7.34	18.91	4.35
T4-S3M-M-080918-R4	T4-S3M-MC-080918-R4	9/18/08 15:40	54	feet	7.43	7.5	18.83	7.29
T4-S3M-S-080918-R4	T4-S3M-SA-080918-R4	9/18/08 15:55	3	feet	7.76	7.4	18.82	3.64
T4-S3M-S-080918-R4	T4-S3M-SB-080918-R4	9/18/08 15:55	28	feet	7.47	7.33	18.82	4.6
T4-S3M-S-080918-R4	T4-S3M-SC-080918-R4	9/18/08 15:55	53	feet	7.5	7.33	18.81	6.12
T4-S3M-N-080918-R4	T4-S3M-NA-080918-R4	9/18/08 16:05	3	feet	7.58	7.36	18.77	2.88
T4-S3M-N-080918-R4	T4-S3M-NB-080918-R4	9/18/08 16:05	17	feet	7.42	7.31	19.02	3.58
T4-S3M-N-080918-R4	T4-S3M-NC-080918-R4	9/18/08 16:05	30	feet	7.52	7.34	18.96	6.66
T4-S3B-E-080919-R1	T4-S3B-EA-080919-R1	9/19/08 12:00	3	feet	6.85	7.07	19.04	6.74
T4-S3B-E-080919-R1	T4-S3B-EB-080919-R1	9/19/08 12:00	18	feet	6.95	7.09	18.93	6.27
T4-S3B-E-080919-R1	T4-S3B-EC-080919-R1	9/19/08 12:00	34	feet	7.55	7.15	19.06	7.68
T4-S3B-S-080919-R1	T4-S3B-SA-080919-R1	9/19/08 12:10	3	feet	6.9	7.08	19.04	4.95
T4-S3B-S-080919-R1	T4-S3B-SB-080919-R1	9/19/08 12:10	19	feet	6.8	7.08	19.02	6.38
T4-S3B-S-080919-R1	T4-S3B-SC-080919-R1	9/19/08 12:10	35	feet	6.92	7.16	18.87	6.91
T4-S3B-M-080919-R1	T4-S3B-MA-080919-R1	9/19/08 12:20	3	feet	6.8	7.13	19.02	5.6
T4-S3B-M-080919-R1	T4-S3B-MB-080919-R1	9/19/08 12:20	19	feet	7.67	7.11	18.98	7.07
T4-S3B-M-080919-R1	T4-S3B-MC-080919-R1	9/19/08 12:20	35	feet	6.76	7.24	18.98	9.1
T4-S3B-N-080919-R1	T4-S3B-NA-080919-R1	9/19/08 12:30	3	feet	6.88	7.17	19.13	6.19
T4-S3B-N-080919-R1	T4-S3B-NB-080919-R1	9/19/08 12:30	22	feet	6.72	7.18	19.05	6.96
T4-S3B-N-080919-R1	T4-S3B-NC-080919-R1	9/19/08 12:30	41	feet	6.83	7.26	18.98	6.25
T4-BG-01R-080920	T4-BG-01R-A-080920	9/20/08 10:35	3	feet	7.82	7.03	18.34	3.7
T4-BG-01R-080920	T4-BG-01R-B-080920	9/20/08 10:35	28	feet	7.61	7.14	18.37	5.78
T4-BG-01R-080920	T4-BG-01R-C-080920	9/20/08 10:35	53	feet	7.61	7.62	18.52	11.07
T4-S3B-E-080920-R1	T4-S3B-EA-080920-R1	9/20/08 10:45	3	feet	7.23	7.04	18.55	5.32
T4-S3B-E-080920-R1	T4-S3B-EB-080920-R1	9/20/08 10:45	19	feet	6.92	7.03	18.69	5.44
T4-S3B-E-080920-R1	T4-S3B-EC-080920-R1	9/20/08 10:45	35	feet	6.91	7.06	18.71	6.4
T4-S3B-S-080920-R1	T4-S3B-SA-080920-R1	9/20/08 11:00	3	feet	7.15	7.06	18.61	5.57
T4-S3B-S-080920-R1	T4-S3B-SB-080920-R1	9/20/08 11:00	21	feet	7.12	7.06	18.54	7.11
T4-S3B-S-080920-R1	T4-S3B-SC-080920-R1	9/20/08 11:00	39	feet	7.1	7.07	18.37	7.34
T4-S3B-M-080920-R1	T4-S3B-MA-080920-R1	9/20/08 11:10	3	feet	7.59	7.1	18.69	5.49
T4-S3B-M-080920-R1	T4-S3B-MB-080920-R1	9/20/08 11:10	20	feet	6.75	7.1	18.6	5.45
T4-S3B-M-080920-R1	T4-S3B-MC-080920-R1	9/20/08 11:10	36	feet	7.23	7.08	18.51	7
T4-S3B-N-080920-R1	T4-S3B-NA-080920-R1	9/20/08 11:20	3	feet	6.98	7.04	18.93	6.22
T4-S3B-N-080920-R1	T4-S3B-NB-080920-R1	9/20/08 11:20	23	feet	7.46	7.06	18.77	5.55
T4-S3B-N-080920-R1	T4-S3B-NC-080920-R1	9/20/08 11:20	43	feet	7.24	7.06	18.67	6.69
T4-BG-01R-080922	T4-BG-01R-A-080922	9/22/08 9:30	3	feet	11.03	6.8	17.92	5.3
T4-BG-01R-080922	T4-BG-01R-B-080922	9/22/08 9:30	32	feet	10.35	6.99	17.61	4.82
T4-BG-01R-080922	T4-BG-01R-C-080922	9/22/08 9:30	61	feet	9.05	7.05	18.23	7.09
T4-S3B-E-080922-R1	T4-S3B-E-A-080922-R1	9/22/08 9:50	3	feet	8.25	7.07	17.85	3.8
T4-S3B-E-080922-R1	T4-S3B-E-B-080922-R1	9/22/08 9:50	18	feet	7.17	7.11	18.13	4.59
T4-S3B-E-080922-R1	T4-S3B-E-C-080922-R1	9/22/08 9:50	33	feet	7.25	7.19	17.7	6.9
T4-S3B-S-080922-R1	T4-S3B-S-A-080922-R1	9/22/08 10:00	3	feet	6.91	7.14	18.2	4.06
T4-S3B-S-080922-R1	T4-S3B-S-B-080922-R1	9/22/08 10:00	19	feet	6.72	7.12	18.13	6.99
T4-S3B-S-080922-R1	T4-S3B-S-C-080922-R1	9/22/08 10:00	35	feet	7.09	7.12	18.15	6.65
T4-S3B-M-080922-R1	T4-S3B-M-A-080922-R1	9/22/08 10:10	3	feet	6.95	7.28	17.61	3.91
T4-S3B-M-080922-R1	T4-S3B-M-B-080922-R1	9/22/08 10:10	19	feet	6.72	7.21	17.82	4.71
T4-S3B-M-080922-R1	T4-S3B-M-C-080922-R1	9/22/08 10:10	35	feet	7.5	7.19	18.23	5.47
T4-S3B-N-080922-R1	T4-S3B-N-A-080922-R1	9/22/08 11:20	3	feet	6.98	7.04	18.93	6.22
T4-S3B-N-080922-R1	T4-S3B-N-B-080922-R1	9/22/08 11:20	22	feet	7.46	7.06	18.77	5.55
T4-S3B-N-080922-R1	T4-S3B-N-C-080922-R1	9/22/08 11:20	41	feet	7.24	7.06	18.67	6.69
T4-BG-01R-080923	T4-BG-01R-A-080923	9/23/08 11:15	3	feet	8.92	6.75	17.84	4.7
T4-BG-01R-080923	T4-BG-01R-B-080923	9/23/08 11:15	36	feet	8.61	6.86	17.73	6.4
T4-BG-01R-080923	T4-BG-01R-C-080923	9/23/08 11:15	70	feet	8.45	6.92	17.72	8.8
T4-S3B-E-080923-R1	T4-S3B-E-A-080923-R1	9/23/08 13:50	3	feet	8.97	7.35	18.73	4.8
T4-S3B-E-080923-R1	T4-S3B-E-B-080923-R1	9/23/08 13:50	18	feet	8.88	7.37	17.9	5
T4-S3B-E-080923-R1	T4-S3B-E-C-080923-R1	9/23/08 13:50	34	feet	8.49	7.36	17.83	5.3
T4-S3B-S-080923-R1	T4-S3B-S-A-080923-R1	9/23/08 13:55	3	feet	8.64	7.3	17.44	5.9
T4-S3B-S-080923-R1	T4-S3B-S-B-080923-R1	9/23/08 13:55	21	feet	8.51	7.25	17.97	4.9
T4-S3B-S-080923-R1	T4-S3B-S-C-080923-R1	9/23/08 13:55	39	feet	8.4	7.25	17.84	5.3
T4-S3B-M-080923-R1	T4-S3B-M-A-080923-R1	9/23/08 14:05	3	feet	8.67	7.28	18.5	5.1
T4-S3B-M-080923-R1	T4-S3B-M-B-080923-R1	9/23/08 14:05	19	feet	8.71	7.29	17.93	4.8
T4-S3B-M-080923-R1	T4-S3B-M-C-080923-R1	9/23/08 14:05	35	feet	8.43	7.26	17.82	5.1
T4-S3B-N-080923-R1	T4-S3B-N-A-080923-R1	9/23/08 14:10	3	feet	8.63	7.32	18.57	5.3
T4-S3B-N-080923-R1	T4-S3B-N-B-080923-R1	9/23/08 14:10	22	feet	8.72	7.29	17.85	5.1
T4-S3B-N-080923-R1	T4-S3B-N-C-080923-R1	9/23/08 14:10	42	feet	7.45	7.24	17.82	5.5
T4-BG-01R-080924	T4-BG-01R-A-080924	9/24/08 10:05	3	feet	7.55	7.08	18.19	4.3

Field Parameter Water Quality Results - T4 Site

Location ID	Sample ID	Sample Date	Depth	Chemical:	Dissolved oxygen (field)	pH (field)	Temperature (field)	Turbidity (field)
				Unit:	mg/L	su	deg C	NTU
				Depth Unit[1]				
T4-BG-01R-080924	T4-BG-01R-B-080924	9/24/08 10:05	34	feet	6.85	7.12	17.38	6.09
T4-BG-01R-080924	T4-BG-01R-C-080924	9/24/08 10:05	65	feet	6.95	7.15	17.53	7.86
T4-S3B-E-080924-R1	T4-S3B-E-A-080924-R1	9/24/08 10:35	3	feet	7.9	7.16	17.82	2.99
T4-S3B-E-080924-R1	T4-S3B-E-B-080924-R1	9/24/08 10:35	18	feet	7.25	7.16	17.68	5.33
T4-S3B-E-080924-R1	T4-S3B-E-C-080924-R1	9/24/08 10:35	33	feet	7.58	7.12	17.72	7.57
T4-S3B-S-080924-R1	T4-S3B-S-A-080924-R1	9/24/08 10:45	3	feet	7.05	7.13	17.62	3.38
T4-S3B-S-080924-R1	T4-S3B-S-B-080924-R1	9/24/08 10:45	20	feet	7.16	7.16	17.61	3.37
T4-S3B-S-080924-R1	T4-S3B-S-C-080924-R1	9/24/08 10:45	37	feet	7.23	7.13	17.71	3.85
T4-S3B-M-080924-R1	T4-S3B-M-A-080924-R1	9/24/08 10:55	3	feet	7.54	7.1	17.68	5.62
T4-S3B-M-080924-R1	T4-S3B-M-B-080924-R1	9/24/08 10:55	19	feet	7.48	7.11	17.83	5.31
T4-S3B-M-080924-R1	T4-S3B-M-C-080924-R1	9/24/08 10:55	35	feet	7.38	7.13	17.77	5.7
T4-S3B-N-080924-R1	T4-S3B-N-A-080924-R1	9/24/08 11:05	3	feet	7.31	7.14	17.88	3.22
T4-S3B-N-080924-R1	T4-S3B-N-B-080924-R1	9/24/08 11:05	21	feet	7.34	7.14	17.81	4.12
T4-S3B-N-080924-R1	T4-S3B-N-C-080924-R1	9/24/08 11:05	40	feet	7.48	7.28	17.62	6.06
T4-BG-01R-080925	T4-BG-01R-A-080925	9/25/08 10:05	3	feet	9.07	7.21	17.62	3.4
T4-BG-01R-080925	T4-BG-01R-B-080925	9/25/08 10:05	37	feet	9.31	7.22	17.33	4.3
T4-BG-01R-080925	T4-BG-01R-C-080925	9/25/08 10:05	71	feet	9.24	7.21	17.28	5
T4-S3B-E-080925-R1	T4-S3B-EA-080925-R1	9/25/08 10:20	3	feet	9.2	7.18	17.62	7.2
T4-S3B-E-080925-R1	T4-S3B-EB-080925-R1	9/25/08 10:20	18	feet	8.82	7.14	17.61	3.9
T4-S3B-E-080925-R1	T4-S3B-EC-080925-R1	9/25/08 10:20	34	feet	8.54	7.11	17.84	2.5
T4-S3B-S-080925-R1	T4-S3B-SA-080925-R1	9/25/08 10:30	3	feet	8.74	7.15	17.75	3.8
T4-S3B-S-080925-R1	T4-S3B-SB-080925-R1	9/25/08 10:30	20	feet	8.62	7.14	17.66	4.6
T4-S3B-S-080925-R1	T4-S3B-SC-080925-R1	9/25/08 10:30	38	feet	8.65	7.17	17.57	6.3
T4-S3B-M-080925-R1	T4-S3B-MA-080925-R1	9/25/08 10:35	3	feet	8.77	7.14	17.68	3.1
T4-S3B-M-080925-R1	T4-S3B-MB-080925-R1	9/25/08 10:35	19	feet	8.75	7.13	17.63	3.7
T4-S3B-M-080925-R1	T4-S3B-MC-080925-R1	9/25/08 10:35	36	feet	8.71	7.27	17.57	4.6
T4-S3B-N-080925-R1	T4-S3B-NA-080925-R1	9/25/08 11:45	3	feet	9.02	7.24	17.72	4.5
T4-S3B-N-080925-R1	T4-S3B-NB-080925-R1	9/25/08 11:45	22	feet	8.88	7.21	17.6	5.8
T4-S3B-N-080925-R1	T4-S3B-NC-080925-R1	9/25/08 11:45	41	feet	8.86	7.23	17.51	6.1
T4-BG-01R-080930	T4-BG-01R-A-080930	9/30/08 12:40	3	feet	9.28	6.85	18.95	1.6
T4-BG-01R-080930	T4-BG-01R-B-080930	9/30/08 12:40	34	feet	9.26	7.06	17.05	2.8
T4-BG-01R-080930	T4-BG-01R-C-080930	9/30/08 12:40	65	feet	9.35	7.13	16.72	3.4
T4-S3B-E-080930-R1	T4-S3B-EA-080930-R1	9/30/08 13:30	3	feet	9.3	6.57	16.51	4.8
T4-S3B-E-080930-R1	T4-S3B-EB-080930-R1	9/30/08 13:30	18	feet	9.23	7.11	17.08	3.7
T4-S3B-E-080930-R1	T4-S3B-EC-080930-R1	9/30/08 13:30	34	feet	9.22	7.08	16.78	6.3
T4-S3B-S-080930-R1	T4-S3B-SA-080930-R1	9/30/08 13:45	3	feet	9.28	7.14	16.35	3.9
T4-S3B-S-080930-R1	T4-S3B-SB-080930-R1	9/30/08 13:45	19	feet	9.23	7.09	16.88	7.6
T4-S3B-S-080930-R1	T4-S3B-SC-080930-R1	9/30/08 13:45	35	feet	9.3	7.09	16.76	9.1
T4-S3B-M-080930-R1	T4-S3B-MA-080930-R1	9/30/08 13:55	3	feet	9.24	7.13	16.38	4
T4-S3B-M-080930-R1	T4-S3B-MB-080930-R1	9/30/08 13:55	18	feet	9.25	7.02	16.81	5.4
T4-S3B-M-080930-R1	T4-S3B-MC-080930-R1	9/30/08 13:55	36	feet	9.28	7.06	16.73	6.3
T4-S3B-N-080930-R1	T4-S3B-NA-080930-R1	9/30/08 14:00	3	feet	9.28	7.13	16.49	3.6
T4-S3B-N-080930-R1	T4-S3B-NB-080930-R1	9/30/08 14:00	22	feet	9.15	7.1	16.87	4.2
T4-S3B-N-080930-R1	T4-S3B-NC-080930-R1	9/30/08 14:00	41	feet	9.17	7.15	16.84	11.4
T4-BG-01R-081001	T4-BG-01R-A-081001	10/1/08 11:10	3	feet	9.44	7.17	15.75	4
T4-BG-01R-081001	T4-BG-01R-B-081001	10/1/08 11:10	32	feet	9.4	7.17	16.04	4.3
T4-BG-01R-081001	T4-BG-01R-C-081001	10/1/08 11:10	61	feet	9.41	7.14	15.95	4
T4-S3B-E-081001-R1	T4-S3B-EA-081001-R1	10/1/08 11:40	3	feet	9.5	7.17	16.19	5.9
T4-S3B-E-081001-R1	T4-S3B-EB-081001-R1	10/1/08 11:40	19	feet	9.32	7.1	15.99	6.2
T4-S3B-E-081001-R1	T4-S3B-EC-081001-R1	10/1/08 11:40	35	feet	9.28	7.15	16.11	4.1
T4-S3B-S-081001-R1	T4-S3B-SA-081001-R1	10/1/08 11:45	3	feet	9.45	7.2	16.06	4.8
T4-S3B-S-081001-R1	T4-S3B-SB-081001-R1	10/1/08 11:45	18	feet	9.33	7.24	16.11	3.4
T4-S3B-S-081001-R1	T4-S3B-SC-081001-R1	10/1/08 11:45	36	feet	9.35	7.18	16.08	4.4
T4-S3B-M-081001-R1	T4-S3B-MA-081001-R1	10/1/08 11:55	3	feet	9.45	7.19	16.09	6.1
T4-S3B-M-081001-R1	T4-S3B-MB-081001-R1	10/1/08 11:55	19	feet	9.38	7.13	16.13	4.5
T4-S3B-M-081001-R1	T4-S3B-MC-081001-R1	10/1/08 11:55	35	feet	9.35	7.17	16.18	4.6
T4-S3B-N-081001-R1	T4-S3B-NA-081001-R1	10/1/08 12:05	3	feet	9.33	7.21	16.1	5
T4-S3B-N-081001-R1	T4-S3B-NB-081001-R1	10/1/08 12:05	22	feet	9.32	7.2	16.13	5.1
T4-S3B-N-081001-R1	T4-S3B-NC-081001-R1	10/1/08 12:05	43	feet	9.27	7.19	16.14	5.9

Notes:

Yellow highlight indicates field parameters associated with analytical results.

[1] Datum = NGVD

Analytical Water Quality Results - T4 Site

		Location ID:	T4-BG-01	T4-414-S			T4-BG-01	T4-S3C-M				T4-BG-01	T4-S3C-M		
		Sample ID:	T4-BG-1C-080812	T4-414S-080812A	T4-414S-080812B	T4-414S-080812C	T4-BG-1C-080813	T4-S3C-MA-080813	T4-S3C-MB-080813	T4-S3C-MC-080813	T4-S3C-MC-080813-D	T4-BG-1C-080814	T4-S3C-MA-080814	T4-S3C-MB-080814	T4-S3C-MC-080814
		Sample Date:	8/12/08	8/12/08	8/12/08	8/12/08	8/13/08	8/13/08	8/13/08	8/13/08	8/13/08	8/14/08	8/14/08	8/14/08	8/14/08
		Depth (feet)[1] :	37	3	25	50	37	3	22	40	40	65	3	20	40
		Sample Type:	N	N	N	N	N	N	N	N	FD	N	N	N	N
Laboratory Parameters	**Acute**	**Chronic**													
Conventional Parameters (mg/L)															
Dissolved oxygen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Suspended Solids	--	--	**9**	5 U	5 U	**16**	**10**	5 U	**6**	**19**	**14**	**11**	5 U	**5**	**20**
Metals (Dissolved) (µg/L)															
Cadmium	0.5	0.09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Lead	14	0.54	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Zinc	36	36	**13.5**	**11.5**	**7.98**	**8.67**	**9.11**	**7.4**	**9.91**	**10.7**	**13.2**	**7.91**	**8.73**	**6.89**	**5.68**
Aromatic Hydrocarbons (µg/L)															
Acenaphthene	233	56	0.0388 U	0.04 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0385 U	0.0435 U	0.0455 U	0.0392 U	0.0404 U	0.039 U	0.0388 U
Acenaphthylene	1277	307	0.0388 U	0.04 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0385 U	0.0435 U	0.0455 U	0.0392 U	0.0404 U	0.039 U	0.0388 U
Anthracene	87	21	0.0388 U	0.04 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0385 U	0.0435 U	0.0455 U	0.0392 U	0.0404 U	0.039 U	0.0388 U
Benzo(a)anthracene	9.2	2.2	0.0388 U	0.04 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0385 U	0.0435 U	0.0455 U	0.0392 U	0.0404 U	0.039 U	0.0388 U
Benzo(a)pyrene	4	0.96	0.0388 U	0.04 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0385 U	0.0435 U	0.0455 U	0.0392 U	0.0404 U	0.039 U	0.0388 U
Benzo(b)fluoranthene	2.8	0.68	0.0388 U	0.04 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0385 U	0.0435 U	0.0455 U	0.0392 U	0.0404 U	0.039 U	0.0388 U
Benzo(k)fluoranthene	2.7	0.64	0.0388 U	0.04 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0385 U	0.0435 U	0.0455 U	0.0392 U	0.0404 U	0.039 U	0.0388 U
Benzo(b,k)fluoranthene*	2.7	0.64													
Benzo(g,h,i)perylene	1.8	0.44	0.0388 U	0.04 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0385 U	0.0435 U	0.0455 U	0.0392 U	0.0404 U	0.039 U	0.0388 U
Chrysene	8.3	2	0.0388 U	0.04 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0385 U	0.0435 U	0.0455 U	0.0392 U	0.0404 U	0.039 U	0.0388 U
Dibenzo(a,h)anthracene	1.2	0.28	0.0388 U	0.04 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0385 U	0.0435 U	0.0455 U	0.0392 U	0.0404 U	0.039 U	0.0388 U
Dibenzofuran	--	--	0.0388 U	0.04 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0385 U	0.0435 U	0.0455 U	0.0392 U	0.0404 U	0.039 U	0.0388 U
Fluoranthene	30	7.1	0.0388 U	0.04 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0385 U	**0.0555**	0.0455 U	0.0392 U	0.0404 U	0.039 U	**0.0512**
Fluorene	162	39	0.0388 U	0.04 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0385 U	0.0435 U	0.0455 U	0.0392 U	0.0404 U	0.039 U	0.0388 U
Indeno(1,2,3-c,d)pyrene	1.2	0.28	0.0388 U	0.04 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0385 U	0.0435 U	0.0455 U	0.0392 U	0.0404 U	0.039 U	0.0388 U
Naphthalene	807	194	0.0388 U	0.04 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0385 U	0.0435 U	0.0455 U	0.0392 U	0.0404 U	0.039 U	0.0388 U
Phenanthrene	79	19	0.0388 U	0.04 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0385 U	0.0435 U	0.0455 U	0.0392 U	0.0404 U	0.039 U	0.0388 U
Pyrene	42	10	0.0388 U	0.04 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0385 U	**0.0603**	**0.0474**	0.0392 U	0.0404 U	0.039 U	**0.0562**

Notes:

* Acute and chronic criterion for Benzo(b+k)fluoranthenes are not provided in the guidance document specified by USEPA. As such, results have been screened against the acute and chronic criterion for Benzo(k)fluoranthene.

[1] Datum = NGVD

Bold = Detected result

J = Estimated value

U = Compound analyzed, but not detected above detection limit

UJ = Compound analyzed, but not detected above estimated detection limit

Analytical Water Quality Results - T4 Site

		Location ID:	T4-BG-01	T4-S3A-M			T4-BG-01	T4-S3A-N			T4-BG-01	T4-S3A-N			T4-BG-01	T4-S3A-N		
		Sample ID:	BG-01-C-080818	T4-S3A-MA-080818	T4-S3A-MB-080818	T4-S3A-MC-080818	BG-S3A-01-080819	T4-S3A-N02A-080819	T4-S3A-N03B-080819	T4-S3A-N04C-080819	BG-01-B-WS-080820	T4-S3A-NA-WS-080820	T4-S3A-NB-WS-080820	T4-S3A-NC-WS-080820	BG-01-B-WS-080821	T4-S3A-NA-WS-080821	T4-S3A-NB-WS-080821	T4-S3A-NC-WS-080821
		Sample Date:	8/18/08	8/18/08	8/18/08	8/18/08	8/19/08	8/19/08	8/19/08	8/19/08	8/20/08	8/20/08	8/20/08	8/20/08	8/21/08	8/21/08	8/21/08	8/21/08
		Depth (feet)[1] :	43	3	24	45	40	3	25	47	23	3	22	41	22	3	22	41
		Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Laboratory Parameters	**Acute**	**Chronic**																
Conventional Parameters (mg/L)																		
Dissolved oxygen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Suspended Solids	--	--	**9**	**9**	**7**	**25**	**6**	**5.2**	**8.8**	**25.8**	**10.4**	**7.6**	**12.4**	**21.6**	**6.8**	**10.6**	**20.4**	**25.8**
Metals (Dissolved) (µg/L)																		
Cadmium	0.5	0.09	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Lead	14	0.54	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Zinc	36	36	**8.8**	**9.06**	**10.7**	**8.52**	**12.2**	**9.49**	**7.96**	**8.13**	**12.3**	**10.3**	**11.7**	**8.22**	**11.8**	**10.5**	**8.71**	**7.93**
Aromatic Hydrocarbons (µg/L)																		
Acenaphthene	233	56	0.0377 U	0.04 U	0.04 U	0.0412 U	0.0381 U	0.0385 U	0.0381 U	0.0381 U	0.0381 U	0.0377 U	0.0381 U	0.0377 U	0.0377 U	0.0421 U	0.0404 U	0.0408 U
Acenaphthylene	1277	307	0.0377 U	0.04 U	0.04 U	0.0412 U	0.0381 U	0.0385 U	0.0381 U	0.0381 U	0.0381 U	0.0377 U	0.0381 U	0.0377 U	0.0377 U	0.0421 U	0.0404 U	0.0408 U
Anthracene	87	21	0.0377 U	0.04 U	0.04 U	0.0412 U	0.0381 U	0.0385 U	0.0381 U	0.0381 U	0.0381 U	0.0377 U	0.0381 U	0.0377 U	0.0377 U	0.0421 U	0.0404 U	0.0408 U
Benzo(a)anthracene	9.2	2.2	0.0377 U	0.04 U	0.04 U	**0.0611**	0.0381 U	0.0385 U	0.0381 U	0.0381 U	0.0381 U	0.0377 U	0.0381 U	**0.0488**	0.0377 U	0.0421 U	**0.0563**	**0.114**
Benzo(a)pyrene	4	0.96	0.0377 U	0.04 U	0.04 U	**0.0699**	0.0381 U	0.0385 U	0.0381 U	0.0381 U	0.0381 U	0.0377 U	0.0381 U	**0.0531**	0.0377 U	0.0421 U	**0.0649**	**0.152**
Benzo(b)fluoranthene	2.8	0.68	0.0377 U	0.04 U	0.04 U	--	0.0381 U	0.0385 U	0.0381 U	--	0.0381 U	0.0377 U	0.0381 U	--	0.0377 U	0.0421 U	--	--
Benzo(k)fluoranthene	2.7	0.64	0.0377 U	0.04 U	0.04 U	--	0.0381 U	0.0385 U	0.0381 U	--	0.0381 U	0.0377 U	0.0381 U	--	0.0377 U	0.0421 U	--	--
Benzo(b,k)fluoranthene*	2.7	0.64				**0.118**				0.0762 U				**0.0922**			**0.111**	**0.25**
Benzo(g,h,i)perylene	1.8	0.44	0.0377 U	0.04 U	0.04 U	**0.0562**	0.0381 U	0.0385 U	0.0381 U	0.0381 U	0.0381 U	0.0377 U	0.0381 U	**0.0423**	0.0377 U	0.0421 U	**0.052**	**0.117**
Chrysene	8.3	2	0.0377 U	0.04 U	0.04 U	**0.0636**	0.0381 U	0.0385 U	0.0381 U	**0.039**	0.0381 U	0.0377 U	0.0381 U	**0.0511**	0.0377 U	0.0421 U	**0.0578**	**0.122**
Dibenzo(a,h)anthracene	1.2	0.28	0.0377 U	0.04 U	0.04 U	0.0412 U	0.0381 U	0.0385 U	0.0381 U	0.0381 U	0.0381 U	0.0377 U	0.0381 U	0.0377 U	0.0377 U	0.0421 U	0.0404 U	0.0408 U
Dibenzofuran	--	--	0.0377 U	0.04 U	0.04 U	0.0412 U	0.0381 U	0.0385 U	0.0381 U	0.0381 U	0.0381 U	0.0377 U	0.0381 U	0.0377 U	0.0377 U	0.0421 U	0.0404 U	0.0408 U
Fluoranthene	30	7.1	0.0377 U	0.04 U	0.04 U	**0.107**	0.0381 U	0.0385 U	0.0381 U	**0.0689**	0.0381 U	0.0377 U	**0.0472**	**0.0913**	0.0377 U	**0.0476**	**0.0977**	**0.194**
Fluorene	162	39	0.0377 U	0.04 U	0.04 U	0.0412 U	0.0381 U	0.0385 U	0.0381 U	0.0381 U	0.0381 U	0.0377 U	0.0381 U	0.0377 U	0.0377 U	0.0421 U	0.0404 U	0.0408 U
Indeno(1,2,3-c,d)pyrene	1.2	0.28	0.0377 U	0.04 U	0.04 U	**0.0659**	0.0381 U	0.0385 U	0.0381 U	**0.0411**	0.0381 U	0.0377 U	0.0381 U	**0.0529**	0.0377 U	0.0421 U	**0.0618**	**0.123**
Naphthalene	807	194	0.0377 U	0.04 U	0.04 U	0.0412 U	0.0381 U	0.0385 U	0.0381 U	0.0381 U	0.0381 U	0.0377 U	0.0381 U	0.0377 U	0.0377 U	0.0421 U	0.0404 U	0.0408 U
Phenanthrene	79	19	0.0377 U	0.04 U	0.04 U	**0.0495**	0.0381 U	0.0385 U	0.0381 U	0.0381 U	0.0381 U	0.0377 U	0.0381 U	**0.0436**	0.0377 U	0.0421 U	**0.0431**	**0.0836**
Pyrene	42	10	0.0377 U	0.04 U	0.04 U	**0.103**	0.0381 U	0.0385 U	0.0381 U	**0.0683**	0.0381 U	0.0377 U	**0.0447**	**0.086**	0.0377 U	**0.0469**	**0.0944**	**0.18**

Notes:

* Acute and chronic criterion for Benzo(b+k)fluoranthenes are not provided in the guidance document specified by USEPA. As such, results have been screened against the acute and chronic criterion for Benzo(k)fluoranthene.

[1] Datum = NGVD

Bold = Detected result

J = Estimated value

U = Compound analyzed, but not detected above detection limit

UJ = Compound analyzed, but not detected above estimated detection limit

Analytical Water Quality Results - T4 Site

		Location ID:	T4-BG-01R	T4-S3A-N				T4-BG-01R	T4-S3A-M			T4-BG-01R	T4-S3A-N			T4-BG-01R	T4-S3A-N		
		Sample ID:	BG-01R-C-WS-080822	T4-S3A-NA-WS-080822	T4-S3A-NB-WS-080822	T4-S3A-NC-WS-080822	T4-S3A-NC-WS-080822-D	T4-BG-01R-C-080823	T4-S3A-MA-080823	T4-S3A-MB-080823	T4-S3A-MC-080823	BG-S3A-O1R-C-WS-080824	T4-S3A-NA-WS-080824	T4-S3A-NB-WS-080824	T4-S3A-NC-WS-080824	BG-01R-WS-080825	T4-S3A-NA-WS-080825	T4-S3A-NB-WS-080825	T4-S3A-NC-WS-080825
		Sample Date:	8/22/08	8/22/08	8/22/08	8/22/08	8/22/08	8/23/08	8/23/08	8/23/08	8/23/08	8/24/08	8/24/08	8/24/08	8/24/08	8/25/08	8/25/08	8/25/08	8/25/08
		Depth (feet)[1] :	69	3	21	39	39	70	3	24	45	60	3	25	47	67	3	23	43
		Sample Type:	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Laboratory Parameters	**Acute**	**Chronic**																	
Conventional Parameters (mg/L)																			
Dissolved oxygen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Suspended Solids	--	--	**10.8**	**7.8**	**8**	**23.2**	**25.4**	**7.2**	**7**	**10.8**	**16.4**	**14.4**	**4.6**	**5.2**	**17**	**4.6**	**6.2**	**8.4**	**15.6**
Metals (Dissolved) (µg/L)																			
Cadmium	0.5	0.09	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.5**	0.2 U	0.2 U
Lead	14	0.54	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Zinc	36	36	**8.26**	**10.7**	**9.3**	**6.72**	**8.11**	**8.71**	**7.51**	**9.63**	**7.83**	**6.34**	**12.7**	**9.53**	**6.06**	**9.43**	**8.41**	**9.41**	**6.86**
Aromatic Hydrocarbons (µg/L)																			
Acenaphthene	233	56	0.0408 U	0.0388 U	0.0392 U	0.04 U	0.0396 U	0.0392 U	0.0386 U	0.0417 U	0.04 U	0.0396 U	0.0385 U	0.0385 U	0.0381 U	0.0381 U	0.0388 U	0.0374 U	0.0377 U
Acenaphthylene	1277	307	0.0408 U	0.0388 U	0.0392 U	0.04 U	0.0396 U	0.0392 U	0.0386 U	0.0417 U	0.04 U	0.0396 U	0.0385 U	0.0385 U	0.0381 U	0.0381 U	0.0388 U	0.0374 U	0.0377 U
Anthracene	87	21	0.0408 U	0.0388 U	0.0392 U	0.04 U	0.0396 U	0.0392 U	0.0386 U	0.0417 U	0.04 U	0.0396 U	0.0385 U	0.0385 U	0.0381 U	0.0381 U	0.0388 U	0.0374 U	0.0377 U
Benzo(a)anthracene	9.2	2.2	0.0408 U	0.0388 U	0.0392 U	0.04 U	0.0396 U	0.0392 U	0.0386 U	0.0417 U	**0.0538**	0.0396 U	0.0385 U	0.0385 U	0.0381 U	0.0381 U	0.0388 U	0.0374 U	0.0377 U
Benzo(a)pyrene	4	0.96	0.0408 U	0.0388 U	0.0392 U	0.04 U	0.0396 U	0.0392 U	0.0386 U	0.0417 U	**0.0562**	0.0396 U	0.0385 U	0.0385 U	0.0381 U	0.0381 U	0.0388 U	0.0374 U	0.0377 U
Benzo(b)fluoranthene	2.8	0.68	0.0408 U	0.0388 U	0.0392 U	0.04 U	0.0396 U	0.0392 U	0.0386 U	0.0417 U	--	0.0396 U	0.0385 U	0.0385 U	0.0381 U	0.0381 U	0.0388 U	0.0374 U	0.0377 U
Benzo(k)fluoranthene	2.7	0.64	0.0408 U	0.0388 U	0.0392 U	0.04 U	0.0396 U	0.0392 U	0.0386 U	0.0417 U	--	0.0396 U	0.0385 U	0.0385 U	0.0381 U	0.0381 U	0.0388 U	0.0374 U	0.0377 U
Benzo(b,k)fluoranthene*	2.7	0.64									**0.0982**								
Benzo(g,h,i)perylene	1.8	0.44	0.0408 U	0.0388 U	0.0392 U	0.04 U	0.0396 U	0.0392 U	0.0386 U	0.0417 U	**0.042**	0.0396 U	0.0385 U	0.0385 U	0.0381 U	0.0381 U	0.0388 U	0.0374 U	0.0377 U
Chrysene	8.3	2	0.0408 U	0.0388 U	0.0392 U	0.04 U	0.0396 U	0.0392 U	0.0386 U	0.0417 U	**0.05**	0.0396 U	0.0385 U	0.0385 U	0.0381 U	0.0381 U	0.0388 U	0.0374 U	0.0377 U
Dibenzo(a,h)anthracene	1.2	0.28	0.0408 U	0.0388 U	0.0392 U	0.04 U	0.0396 U	0.0392 U	0.0386 U	0.0417 U	0.04 U	0.0396 U	0.0385 U	0.0385 U	0.0381 U	0.0381 U	0.0388 U	0.0374 U	0.0377 U
Dibenzofuran	--	--	0.0408 U	0.0388 U	0.0392 U	0.04 U	0.0396 U	0.0392 U	0.0386 U	0.0417 U	0.04 U	0.0396 U	0.0385 U	0.0385 U	0.0381 U	0.0381 U	0.0388 U	0.0374 U	0.0377 U
Fluoranthene	30	7.1	0.0408 U	0.0388 U	0.0392 U	**0.0431**	0.0396 U	0.0392 U	0.0386 U	0.0417 U	**0.0857**	0.0396 U	0.0385 U	0.0385 U	0.0381 U	0.0381 U	0.0388 U	0.0374 U	0.0377 U
Fluorene	162	39	0.0408 U	0.0388 U	0.0392 U	0.04 U	0.0396 U	0.0392 U	0.0386 U	0.0417 U	0.04 U	0.0396 U	0.0385 U	0.0385 U	0.0381 U	0.0381 U	0.0388 U	0.0374 U	0.0377 U
Indeno(1,2,3-c,d)pyrene	1.2	0.28	0.0408 U	0.0388 U	0.0392 U	0.04 U	0.0396 U	0.0392 U	0.0386 U	0.0417 U	**0.0546**	0.0396 U	0.0385 U	0.0385 U	0.0381 U	0.0381 U	0.0388 U	0.0374 U	0.0377 U
Naphthalene	807	194	0.0408 U	0.0388 U	0.0392 U	0.04 U	0.0396 U	0.0392 U	0.0386 U	0.0417 U	0.04 U	0.0396 U	0.0385 U	0.0385 U	0.0381 U	0.0381 U	0.0388 U	0.0374 U	0.0377 U
Phenanthrene	79	19	0.0408 U	0.0388 U	0.0392 U	0.04 U	0.0396 U	0.0392 U	0.0386 U	0.0417 U	0.04 U	0.0396 U	0.0385 U	0.0385 U	0.0381 U	0.0381 U	0.0388 U	0.0374 U	0.0377 U
Pyrene	42	10	0.0408 U	0.0388 U	0.0392 U	**0.0416**	0.0396 U	0.0392 U	0.0386 U	0.0417 U	**0.0839**	0.0396 U	0.0385 U	0.0385 U	0.0381 U	0.0381 U	0.0388 U	0.0374 U	0.0377 U

Notes:

* Acute and chronic criterion for Benzo(b+k)fluoranthenes are not provided in the guidance document specified by USEPA. As such, results have been screened against the acute and chronic criterion for Benzo(k)fluoranthene.

[1] Datum = NGVD

Bold = Detected result

J = Estimated value

U = Compound analyzed, but not detected above detection limit

UJ = Compound analyzed, but not detected above estimated detection limit

Analytical Water Quality Results - T4 Site

		Location ID:	T4-BG-01R	T4-410-M			T4-BG-01R	T4-S3B-N				T4-BG-01R	T4-S3B-M		
		Sample ID:	BG-01R-C-WS-080902	410-MA-WS-080902	410-MB-WS-080902	410-MC-WS-080902	T4-BG-01R-C-WS-080912	T4-S3B-N-A-WS-080912	T4-S3B-N-B-WS-080912	T4-S3B-N-C-WS-080912	T4-S3B-N-C-WS-080912-D	T4-BG-01R-C-WS-080913	T4-S3B-M-A-WS-080913	T4-S3B-M-B-WS-080913	T4-S3B-M-C-WS-080913
		Sample Date:	9/2/08	9/2/08	9/2/08	9/2/08	9/12/08	9/12/08	9/12/08	9/12/08	9/12/08	9/13/08	9/13/08	9/13/08	9/13/08
		Depth (feet)[1] :	67	3	28	53	63	3	21	40	40	69	3	18	34
		Sample Type:	N	N	N	N	N	N	N	N	FD	N	N	N	N
Laboratory Parameters	**Acute**	**Chronic**													
Conventional Parameters (mg/L)															
Dissolved oxygen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Suspended Solids	--	--	**12.2**	**5.6**	**11.4**	**17.2**	**11.4**	**4.2**	**6.4**	**25.2**	**26**	**11.4**	**8.8**	**12**	**29.2**
Metals (Dissolved) (µg/L)															
Cadmium	0.5	0.09	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Lead	14	0.54	--	--	--	--	1 U	**1.68**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Zinc	36	36	--	--	--	--	**8.99**	**7.69**	**8.77**	**7.88**	**6.42**	**8.21**	**11.4**	**9.66**	**9.59**
Aromatic Hydrocarbons (µg/L)															
Acenaphthene	233	56	0.04 U	0.04 U	0.0385 U	0.0388 U	0.0376 U	0.0377 U	0.0377 U	0.0375 U	0.0373 U	0.0384 UJ	0.0378 U	0.0381 U	0.0379 U
Acenaphthylene	1277	307	0.04 U	0.04 U	0.0385 U	0.0388 U	0.0376 U	0.0377 U	0.0377 U	0.0375 U	0.0373 U	0.0384 UJ	0.0378 U	0.0381 U	0.0379 U
Anthracene	87	21	0.04 U	0.04 U	0.0385 U	0.0388 U	0.0376 U	0.0377 U	0.0377 U	0.0375 U	0.0373 U	0.0384 U	0.0378 U	0.0381 U	0.0379 U
Benzo(a)anthracene	9.2	2.2	0.04 U	0.04 U	0.0385 U	0.0388 U	0.0376 U	0.0377 U	0.0377 U	0.0375 U	0.0373 U	0.0384 U	0.0378 U	0.0381 U	0.0379 U
Benzo(a)pyrene	4	0.96	0.04 U	0.04 U	0.0385 U	0.0388 U	0.0376 U	0.0377 U	0.0377 U	0.0375 U	0.0373 U	0.0384 U	0.0378 U	0.0381 U	0.0379 U
Benzo(b)fluoranthene	2.8	0.68	0.04 U	0.04 U	0.0385 U	0.0388 U	0.0376 U	0.0377 U	0.0377 U	0.0375 U	0.0373 U	0.0384 U	0.0378 U	0.0381 U	0.0379 U
Benzo(k)fluoranthene	2.7	0.64	0.04 U	0.04 U	0.0385 U	0.0388 U	0.0376 U	0.0377 U	0.0377 U	0.0375 U	0.0373 U	0.0384 U	0.0378 U	0.0381 U	0.0379 U
Benzo(b,k)fluoranthene*	2.7	0.64													
Benzo(g,h,i)perylene	1.8	0.44	0.04 U	0.04 U	0.0385 U	0.0388 U	0.0376 U	0.0377 U	0.0377 U	0.0375 U	0.0373 U	0.0384 U	0.0378 U	0.0381 U	0.0379 U
Chrysene	8.3	2	0.04 U	0.04 U	0.0385 U	0.0388 U	0.0376 U	0.0377 U	0.0377 U	0.0375 U	0.0373 U	0.0384 U	0.0378 U	0.0381 U	0.0379 U
Dibenzo(a,h)anthracene	1.2	0.28	0.04 U	0.04 U	0.0385 U	0.0388 U	0.0376 U	0.0377 U	0.0377 U	0.0375 U	0.0373 U	0.0384 U	0.0378 U	0.0381 U	0.0379 U
Dibenzofuran	--	--	0.04 U	0.04 U	0.0385 U	0.0388 U	0.0376 U	0.0377 U	0.0377 U	0.0375 U	0.0373 U	0.0384 UJ	0.0378 U	0.0381 U	0.0379 U
Fluoranthene	30	7.1	0.04 U	0.04 U	0.0385 U	0.0388 U	0.0376 U	0.0377 U	0.0377 U	0.0375 U	0.0373 U	0.0384 U	0.0378 U	0.0381 U	0.0379 U
Fluorene	162	39	0.04 U	0.04 U	0.0385 U	0.0388 U	0.0376 U	0.0377 U	0.0377 U	0.0375 U	0.0373 U	0.0384 U	0.0378 U	0.0381 U	0.0379 U
Indeno(1,2,3-c,d)pyrene	1.2	0.28	0.04 U	0.04 U	0.0385 U	0.0388 U	0.0376 U	0.0377 U	0.0377 U	0.0375 U	0.0373 U	0.0384 U	0.0378 U	0.0381 U	0.0379 U
Naphthalene	807	194	0.04 U	0.04 U	0.0385 U	0.0388 U	0.0376 U	0.0377 U	0.0377 U	0.0375 U	0.0373 U	0.0384 UJ	0.0378 U	0.0381 U	0.0379 U
Phenanthrene	79	19	0.04 U	0.04 U	0.0385 U	0.0388 U	0.0376 U	0.0377 U	0.0377 U	0.0375 U	0.0373 U	0.0384 U	0.0378 U	0.0381 U	0.0379 U
Pyrene	42	10	0.04 U	0.04 U	0.0385 U	0.0388 U	0.0376 U	0.0377 U	0.0377 U	0.0375 U	0.0373 U	0.0384 U	0.0378 U	0.0381 U	0.0379 U

Notes:

* Acute and chronic criterion for Benzo(b+k)fluoranthenes are not provided in the guidance document specified by USEPA. As such, results have been screened against the acute and chronic criterion for Benzo(k)fluoranthene.

[1] Datum = NGVD

Bold = Detected result

J = Estimated value

U = Compound analyzed, but not detected above detection limit

UJ = Compound analyzed, but not detected above estimated detection limit

Analytical Water Quality Results - T4 Site

		Location ID:	T4-BG-01R	T4-S3B-M			T4-BG-01R	T4-S3B-N			T4-BG-01R	T4-S3B-N			T4-BG-01R	T4-S3B-S			
		Sample ID:	BG-01R-C-WS-080915	T4-S3B-MA-WS-080915	T4-S3B-MB-WS-080915	T4-S3B-MC-WS-080915	T4-BG-01R-C-WS-080916	T4-S3B-NA-WS-080916	T4-S3B-NB-WS-080916	T4-S3B-NC-WS-080916	T4-BG-01C-WS-080917	T4-S3B-NA-WS-080917	T4-S3B-NB-WS-080917	T4-S3B-NC-WS-080917	T4-BG-01R-C-WS-080923	T4-S3B-S-A-WS-080923	T4-S3B-S-B-WS-080923	T4-S3B-S-C-WS-080923	T4-S3B-S-C-WS-080923-D
		Sample Date:	9/15/08	9/15/08	9/15/08	9/15/08	9/16/08	9/16/08	9/16/08	9/16/08	9/17/08	9/17/08	9/17/08	9/17/08	9/23/08	9/23/08	9/23/08	9/23/08	9/23/08
		Depth (feet)[1] :	65	3	19	35	63	3	25	46	67	3	23	43	70	3	21	39	39
		Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Laboratory Parameters	**Acute**	**Chronic**																	
Conventional Parameters (mg/L)																			
Dissolved oxygen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Suspended Solids	--	--	**12.2**	**6**	**11.4**	**33.2**	**14.8**	**4.6**	**9.4**	**13.2**	**9.4**	**7.6**	**9.8**	**21.4**	**9.8**	**4**	**3.4**	**6.4**	**6.4**
Metals (Dissolved) (µg/L)																			
Cadmium	0.5	0.09	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Lead	14	0.54	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Zinc	36	36	**9.42**	**11.8**	**8.89**	**9.54**	**8.06**	**6.11**	**5.44**	**5.36**	**6.77**	**7.66**	**8.38**	**6.93**	**8.04**	**8.23**	**6.18**	**6.11**	**8.37**
Aromatic Hydrocarbons (µg/L)																			
Acenaphthene	233	56	0.0393 U	0.0385 U	0.0386 U	0.0377 U	0.0374 U	0.0377 U	0.0385 U	0.0374 U	0.0381 U	0.0381 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0377 U	0.0377 U	0.0377 U
Acenaphthylene	1277	307	0.0393 U	0.0385 U	0.0386 U	0.0377 U	0.0374 U	0.0377 U	0.0385 U	0.0374 U	0.0381 U	0.0381 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0377 U	0.0377 U	0.0377 U
Anthracene	87	21	0.0393 U	0.0385 U	0.0386 U	0.0377 U	0.0374 U	0.0377 U	0.0385 U	0.0374 U	0.0381 U	0.0381 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0377 U	0.0377 U	0.0377 U
Benzo(a)anthracene	9.2	2.2	0.0393 U	0.0385 U	0.0386 U	0.0377 U	0.0374 U	0.0377 U	0.0385 U	0.0374 U	0.0381 U	0.0381 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0377 U	0.0377 U	0.0377 U
Benzo(a)pyrene	4	0.96	0.0393 U	0.0385 U	0.0386 U	0.0377 U	0.0374 U	0.0377 U	0.0385 U	0.0374 U	0.0381 U	0.0381 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0377 U	0.0377 U	0.0377 U
Benzo(b)fluoranthene	2.8	0.68	0.0393 U	0.0385 U	0.0386 U	0.0377 U	0.0374 U	0.0377 U	0.0385 U	0.0374 U	0.0381 U	0.0381 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0377 U	0.0377 U	0.0377 U
Benzo(k)fluoranthene	2.7	0.64	0.0393 U	0.0385 U	0.0386 U	0.0377 U	0.0374 U	0.0377 U	0.0385 U	0.0374 U	0.0381 U	0.0381 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0377 U	0.0377 U	0.0377 U
Benzo(b,k)fluoranthene*	2.7	0.64																	
Benzo(g,h,i)perylene	1.8	0.44	0.0393 U	0.0385 U	0.0386 U	0.0377 U	0.0374 U	0.0377 U	0.0385 U	0.0374 U	0.0381 U	0.0381 U	0.0381 U	0.0381 U	0.0385 UJ	0.0381 U	0.0377 U	0.0377 U	0.0377 U
Chrysene	8.3	2	0.0393 U	0.0385 U	0.0386 U	0.0377 U	0.0374 U	0.0377 U	0.0385 U	0.0374 U	0.0381 U	0.0381 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0377 U	0.0377 U	0.0377 U
Dibenzo(a,h)anthracene	1.2	0.28	0.0393 U	0.0385 U	0.0386 U	0.0377 U	0.0374 U	0.0377 U	0.0385 U	0.0374 U	0.0381 U	0.0381 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0377 U	0.0377 U	0.0377 U
Dibenzofuran	--	--	0.0393 U	0.0385 U	0.0386 U	0.0377 U	0.0374 U	0.0377 U	0.0385 U	0.0374 U	0.0381 U	0.0381 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0377 U	0.0377 U	0.0377 U
Fluoranthene	30	7.1	0.0393 U	0.0385 U	0.0386 U	0.0377 U	0.0374 U	0.0377 U	0.0385 U	0.0374 U	0.0381 U	0.0381 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0377 U	0.0377 U	0.0377 U
Fluorene	162	39	0.0393 U	0.0385 U	0.0386 U	0.0377 U	0.0374 U	0.0377 U	0.0385 U	0.0374 U	0.0381 U	0.0381 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0377 U	0.0377 U	0.0377 U
Indeno(1,2,3-c,d)pyrene	1.2	0.28	0.0393 U	0.0385 U	0.0386 U	0.0377 U	0.0374 U	0.0377 U	0.0385 U	0.0374 U	0.0381 U	0.0381 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0377 U	0.0377 U	0.0377 U
Naphthalene	807	194	0.0393 U	0.0385 U	0.0386 U	0.0377 U	0.0374 U	0.0377 U	0.0385 U	0.0374 U	0.0381 U	0.0381 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0377 U	0.0377 U	0.0377 U
Phenanthrene	79	19	0.0393 U	0.0385 U	0.0386 U	0.0377 U	0.0374 U	0.0377 U	0.0385 U	0.0374 U	0.0381 U	0.0381 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0377 U	0.0377 U	0.0377 U
Pyrene	42	10	0.0393 U	0.0385 U	0.0386 U	0.0377 U	0.0374 U	0.0377 U	0.0385 U	0.0374 U	0.0381 U	0.0381 U	0.0381 U	0.0381 U	0.0385 U	0.0381 U	0.0377 U	0.0377 U	0.0377 U

Notes:

* Acute and chronic criterion for Benzo(b+k)fluoranthenes are not provided in the guidance document specified by USEPA. As such, results have been screened against the acute and chronic criterion for Benzo(k)fluoranthene.

[1] Datum = NGVD

Bold = Detected result

J = Estimated value

U = Compound analyzed, but not detected above detection limit

UJ = Compound analyzed, but not detected above estimated detection limit

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 08/12/2008

Construction Activity: Berth 414 Dredging

Caonstruction Activity Times: Dredging occurred from 13:00 - 14:40

Monitoring Times: Background Parameters taken at 11:55; Compliance Parameters taken 13:45 to 14:06

Round of Sampling for Day: 1st of 1 Round of Sampling

Water Velocity (fps)	**O ft/s @ 11 ft**

Station ID: Background Station Field Parameters taken at: 11:55

Water Depth (ft)		Parameters			
Depth to Bottom	40.5 ft	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	8.06	21.08	5.8	7.16
Depth 2	20 ft	7.99	20.85	5.0	7.20
Depth 3	37 ft	7.80	20.82	7.0	7.20

Station ID: Early Warning Station Field Parameters taken at: 14:06 7.0 NTU + 5.0 NTU = 12.0 NTU Turbidity Trigger

Water Depth (ft)		Parameters			
Depth to Bottom	51 ft	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	8.98	21.74	3.1	7.36
Depth 2	25 ft	7.75	20.96	3.9	7.19
Depth 3	48 ft	7.54	20.80	8.7	7.16

Station ID: North Station Parameters taken at: 14:00

Water Depth (ft)		Parameters			
Depth to Bottom	49.5 ft	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	9.08	21.82	2.9	7.39
Depth 2	25 ft	7.90	20.92	4.2	7.20
Depth 3	46.5 ft	7.62	20.82	7.4	7.16

Station ID: South Station Parameters taken at: 13:45

Water Depth (ft)		Parameters			
Depth to Bottom	53 ft	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	8.72	21.42	2.9	7.22
Depth 2	25 ft	7.96	20.87	4.3	7.20
Depth 3	50 ft	7.62	20.79	12.80	7.16

Station ID: Middle Station Parameters taken at: 13:50 12.80 NTU exceeds Trigger by 0.8 NTU

Water Depth (ft)		Parameters			
Depth to Bottom	52 ft	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	8.67	21.60	3.2	7.27
Depth 2	25 ft	7.84	20.88	4.1	7.17
Depth 3	49 ft	7.69	20.78	5.7	7.19

Trigger:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 8/13/2008
Construction Activity: Slip 3 "Center Square" Dredging
Construction Activity Times: Dredging occurred from 09:45 - 16:30
Monitoring Times: Background Parameters taken at 09:50; Compliance Parameters taken 10:30 to 14:10
Rounds of Sampling for Day: 4
Updated Turbidity Trigger: 10.4 NTU based on 5.4 NTU 90th Percentile Calculated Value

Triggers:

DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

Water Velocity (fps)	**.27 ft/s @ 11 ft**

Station ID: Background Station Field Parameters taken at: 9:50

Water Depth (ft)		Parameters			
Depth to Bottom	41.9	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.21	21.20	1.5	7.27
Depth 2	20.0	8.85	21.08	3.8	7.26
Depth 3	37.0	8.61	21.05	5.3	7.24

Station ID: Early Warning Station Field Parameters taken at: 10:30

Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.30	21.43	0.9	7.28
Depth 2	20.0	8.81	21.08	1.4	7.27
Depth 3	39.0	8.59	21.08	21-22	7.24

Station ID: North Station Parameters taken at: 10:40

Water Depth (ft)		Parameters			
Depth to Bottom	46.5	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.75	21.25	2.7	7.24
Depth 2	23.0	8.67	21.08	3.2	7.25
Depth 3	43.0	8.44	21.08	5.6	7.07

Station ID: Middle Station Parameters taken at: 10:45

Water Depth (ft)		Parameters			
Depth to Bottom	43.3	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.41	21.31	2.9	7.27
Depth 2	22.0	8.78	21.08	3.4	7.26
Depth 3	40.0	8.49	21.07	36.0	7.21

Station ID: South Station Parameters taken at: 10:55

Water Depth (ft)		Parameters			
Depth to Bottom	39.7	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	9.4	9.38	21.25	2.4	7.33
Depth 2	8.9	8.91	21.10	2.6	7.30
Depth 3	8.6	8.56	21.06	3.7	7.23

Station ID: Turbidity South Station Parameters taken at: 11:50

Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.35	21.35	3.8	7.27
Depth 2	27.0	8.79	21.10	4.5	7.27
Depth 3	52.0	8.33	21.02	6.5	7.23

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 8/14/2008
Construction Activity: Dredging of Slip 3 Center Square
Construction Activity Times: Dredging occurred from 07:35 -09:45
Monitoring Times: Background Parameters taken at 07:40 Compliance Parameters taken 08:10 to 10:08
Rounds of Sampling for Day: 2
Updated Turbidity Trigger: 12.4 NTU based on 7.4 NTU background value (7.4 > 5.37 Calculated 90th Percentile)

Triggers:

DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

Water Velocity (fps)	**.30ft/s 14ft**				

Station ID: Background Station Field Parameters taken at: 07:40

Water Depth (ft)		Parameters			
Depth to Bottom	68.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.35	21.36	3.0	7.21
Depth 2	34.0	10.30	21.35	3.3	7.30
Depth 3	65.0	9.47	21.18	7.4	7.20

Station ID: Early Warning Station Field Parameters taken at: 08:10

Water Depth (ft)		Parameters			
Depth to Bottom	41.9	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.69	21.31	1.2	7.26
Depth 2	20.0	10.51	21.32	1.0	7.35
Depth 3	38.0	10.22	21.28	9.9	7.29

Station ID: North Station Field Parameters taken at: 08:25

Water Depth (ft)		Parameters			
Depth to Bottom	48.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.62	21.35	2.2	7.22
Depth 2	24.0	10.42	21.33	2.2	7.29
Depth 3	45.0	10.11	21.24	7.2	7.26

Station ID: Middle Station Field Parameters taken at: 08:35

Water Depth (ft)		Parameters			
Depth to Bottom	43.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.69	21.36	3.4	7.25
Depth 2	20.0	10.38	21.31	3.5	7.30
Depth 3	40.0	10.00	21.24	7.2	7.30

Station ID: South Station Field Parameters taken at: 08:45

Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.37	21.36	2.9	7.27
Depth 2	20.0	10.46	21.33	4.5	7.27
Depth 3	37.0	10.26	21.30	5.3	7.27

Round 2

Station ID: Early Warning Station Field Parameters taken at: 09:30

Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.91	21.42	1.7	7.28
Depth 2	20.0	10.52	21.33	1.9	7.33

Depth 3	37.0	10.16	21.31	22.4	7.23

Station ID: Middle Station Field Parameters taken at: 09:35

Water Depth (ft)		Parameters			
Depth to Bottom	43.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.91	21.46	1.7	7.28
Depth 2	21.0	10.50	21.33	1.8	7.37
Depth 3	40.0	10.11	21.29	28.1	7.26

Station ID: North Station Field Parameters taken at: 09:40

Water Depth (ft)		Parameters			
Depth to Bottom	49.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.99	21.39	3.0	7.30
Depth 2	24.0	10.36	21.30	3.5	7.31
Depth 3	46.0	10.02	21.28	24.3	7.24

Station ID: South Station Field Parameters taken at: 09:45

Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.96	21.46	3.7	7.30
Depth 2	20.0	10.60	21.33	3.5	7.39
Depth 3	37.0	10.23	21.30	10.8	7.28

Station ID: Turbidity Early Warning Station Field Parameters taken at: 09:50

Water Depth (ft)		Parameters			
Depth to Bottom	30.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.78	21.46	3.9	7.27
Depth 2	30.0	10.40	21.36	3.5	7.31
Depth 3	57.0	9.96	21.25	5.4	7.29

Station ID: Turbidity North Station Field Parameters taken at: 09:55

Water Depth (ft)		Parameters			
Depth to Bottom	33.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.88	21.51	3.2	7.29
Depth 2	16.0	10.51	21.41	3.0	7.33
Depth 3	30.0	10.33	21.35	3.7	7.29

Station ID: Turbidity Middle Station Field Parameters taken at: 10:00

Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.84	21.49	2.5	7.32
Depth 2	28.0	10.40	21.34	3.9	7.35
Depth 3	54.0	9.97	21.26	6.8	7.28

Station ID: Turbidity South Station Field Parameters taken at: 10:05

Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.76	21.49	2.1	7.29
Depth 2	27.0	10.32	21.35	2.7	7.34
Depth 3	52.0	10.08	21.28	5.1	7.26

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 8/18/2008
Construction Activity: Berth 411 Dredging
Construction Activity Times: Dredging occurred from
Monitoring Times: Background Parameters taken at 11:53 and 19:10; Compliance Parameters taken 15:15 to 20:55
Rounds of Sampling for Day: 3

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

ROUND 1

*** 90th Percentile Turbidity for 8/18/08 = 6.0 NTU**
*** Background Station 1 = 5.5NTU**
*** 90th percentile background value of 6.0 NTU used to calculate trigger for sampling in Rounds 1 and 2 since it is higher than background value.**
6.0 NTU + 5.0 NTU = 11.0 NTU Turbidity Trigger

Water Velocity (fps)	**0.3 ft/s @ 11 ft**

Station ID: BG-01 Background Station Field Parameters taken at: 11:53

Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.16	22.47	4.4	6.98
Depth 2	23.0	8.07	22.50	5.1	7.14
Depth 3	43.0	7.99	22.47	5.5	7.15

Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 15:05

Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.17	22.42	2.6	7.01
Depth 2	25.0	7.82	22.42	5.1	7.10
Depth 3	47.0	7.70	22.42	43.2	7.12

Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 15:15

Water Depth (ft)		Parameters			
Depth to Bottom	48.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	8.04	22.42	3.2	6.99
Depth 2	24.0	7.88	22.41	4.0	7.15
Depth 3	45.0	7.73	22.41	7.3	7.11

Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 15:25

Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.21	22.44	5.3	7.01
Depth 2	25.0	7.89	22.43	9.8	7.10
Depth 3	47.0	7.68	22.42	27.50	7.10

Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 15:35

Water Depth (ft)		Parameters			
Depth to Bottom	39.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.22	22.44	5.0	7.01
Depth 2	19.5	7.97	22.42	6.0	7.08
Depth 3	36.0	7.77	22.42	8.0	7.09

Station ID: S3M-E Early Warning for Turbidity taken at: 15:45

Water Depth (ft)		Parameters			
Depth to Bottom	59.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.20	22.48	5.4	7.01
Depth 2	29.5	8.05	22.48	6.1	7.16
Depth 3	56.0	7.85	22.41	7.30	7.15

Station ID: S3M-M Compliance Location for Turbidity taken at: 15:50

Water Depth (ft)		Parameters			
Depth to Bottom	56.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.23	22.49	6.0	7.04
Depth 2	28.0	8.09	22.49	6.1	7.11
Depth 3	53.0	7.92	22.45	7.10	7.16

Station ID: S3M-S Compliance Location for Turbidity taken at: 16:00

Water Depth (ft)		Parameters			
Depth to Bottom	54.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.30	22.50	5.8	7.05
Depth 2	27.0	8.14	22.49	6.2	7.12
Depth 3	51.0	7.97	22.49	7.60	7.16

Station ID: S3M-N Compliance Location for Turbidity taken at: 16:05

Water Depth (ft)		Parameters			
Depth to Bottom	32.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.27	22.50	5.5	7.03
Depth 2	16.0	8.18	22.49	6.0	7.14
Depth 3	29.0	8.05	22.49	6.40	7.17

Round 2

Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 16:50

Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.13	22.44	4.0	7.03
Depth 2	25.0	7.94	22.42	3.7	7.16
Depth 3	47.0	7.77	22.43	23.5	7.13

Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 16:58

Water Depth (ft)		Parameters			
Depth to Bottom	48.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.29	22.48	4.9	7.06
Depth 2	24.0	7.98	22.42	4.8	7.17
Depth 3	45.0	7.66	22.43	35.50	7.40

Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 17:10

Water Depth (ft)		Parameters			
Depth to Bottom	43.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.19	22.40	4.5	7.11

Depth 2	24.0	7.88	22.44	4.7	7.16
Depth 3	40.0	7.67	22.41	17.0	7.12
Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 17:15					
Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.20	22.47	5.8	7.06
Depth 2	19.0	8.07	22.44	5.9	7.16
Depth 3	35.0	7.81	22.43	13.9	7.50
Station ID: S3M-E Early Warning for Turbidity taken at: 18:30					
Water Depth (ft)		Parameters			
Depth to Bottom	62.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.14	22.44	4.0	7.05
Depth 2	31.0	8.04	22.45	4.9	7.20
Depth 3	59.0	7.89	22.46	9.60	7.18
Station ID: S3M-M Compliance Location for Turbidity taken at: 18:40					
Water Depth (ft)		Parameters			
Depth to Bottom	59.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.12	22.44	4.8	7.03
Depth 2	29.5	8.01	22.45	7.4	7.13
Depth 3	56.0	7.86	22.45	9.90	7.10
Station ID: S3M-N Compliance Location for Turbidity taken at: 18:50					
Water Depth (ft)		Parameters			
Depth to Bottom	34.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.15	22.44	6.9	7.05
Depth 2	17.0	8.10	22.45	6.7	7.17
Depth 3	31.0	8.03	22.45	7.10	7.21
Station ID: S3M-S Compliance Location for Turbidity taken at: 19:00					
Water Depth (ft)		Parameters			
Depth to Bottom	59.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.11	22.43	5.4	7.04
Depth 2	29.5	7.97	22.44	7.7	7.17
Depth 3	56.0	7.78	22.43	9.20	7.15
Round 3					
*** 90th Percentile Turbidity for 8/18/08 = 6.0 NTU**					
*** Background Station Sample 2 = 10.1NTU**					
*** Background Station Sample 2 value of 10.1 NTU used to calculate trigger for sampling in Round 3 since it is higher than 90th Percentile value.**					
10.1 NTU + 5.0 NTU = 16.1 NTU Turbidity Trigger					
Station ID: BG-01 Background Station Field Parameters taken at: 19:10					
Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	0.00	0.00	6.3	0.00
Depth 2	22.0	0.00	0.00	6.0	0.00
Depth 3	39.0	0.00	0.00	10.1	0.00
Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 19:35					
Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.09	22.41	4.5	7.06
Depth 2	22.0	8.03	22.42	4.5	7.20
Depth 3	41.0	7.91	22.44	12.6	7.19
Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 19:45					
Water Depth (ft)		Parameters			
Depth to Bottom	45.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.07	22.40	8.4	7.05
Depth 2	22.5	8.01	22.43	6.4	7.19
Depth 3	42.0	7.88	22.44	9.00	7.18
Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 19:55					
Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	8.12	22.42	4.6	7.05
Depth 2	23.0	8.00	22.43	4.8	7.18
Depth 3	43.0	7.80	22.42	9.6	7.17
Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 20:10					
Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.05	22.42	5.2	7.07
Depth 2	22.0	7.97	22.40	7.2	7.18
Depth 3	41.0	7.74	22.44	27.2	7.16
Station ID: S3M-E Early Warning for Turbidity Parameters taken at: 20:25					
Water Depth (ft)		Parameters			
Depth to Bottom	59.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.06	22.40	7.8	7.09
Depth 2	29.5	7.93	22.40	7.3	7.20
Depth 3	56.0	7.81	22.41	8.90	7.20
Station ID: S3M-M Compliance Location for Turbidity taken at: 20:35					
Water Depth (ft)		Parameters			
Depth to Bottom	59.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.06	22.39	7.2	7.04
Depth 2	29.5	7.95	22.42	7.5	7.20
Depth 3	56.0	7.80	22.42	9.50	7.10
Station ID: S3M-N Compliance Location for Turbidity taken at: 20:50					
Water Depth (ft)		Parameters			
Depth to Bottom	34.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.06	22.41	6.4	7.04
Depth 2	17.0	7.97	22.42	6.7	7.21
Depth 3	31.0	7.87	22.42	11.20	7.20
Station ID: S3M-S Compliance Location for Turbidity taken at: 20:55					
Water Depth (ft)		Parameters			
Depth to Bottom	60.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.06	22.41	7.2	7.03
Depth 2	30.0	7.95	22.44	7.8	7.20
Depth 3	57.0	7.81	22.43	9.00	7.20

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 8/19/2008
Construction Activity: Berth 411 Dredging
Construction Activity Times: Dredging occurred from
Monitoring Times: Background Parameters taken at 07:10; Compliance Parameters taken 09:25 to 20:30
Rounds of Sampling for Day: 5

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

ROUND 1

*** 90th Percentile Turbidity for 8/19/08 = 6.0 NTU**
*** Background Station 1 = 4.9 NTU**
*** 90th percentile background value of 6.0 NTU used to calculate trigger for sampling in Rounds 1- since it is higher than background value.**
6.0 NTU + 5.0 NTU = 11.0 NTU Turbidity Trigger

Water Velocity (fps)	**0.0 ft/s @ 15 ft**

Station ID: BG-01 Background Station Field Parameters taken at: 07:10

Water Depth (ft)		Parameters			
Depth to Bottom	43.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.08	22.34	3.1	7.09
Depth 2	22.0	7.98	22.36	3.8	7.24
Depth 3	40.0	7.90	22.37	4.9	7.27

Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 09:25

Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.88	22.27	4.5	7.10
Depth 2	21.0	7.67	22.31	6.2	7.33
Depth 3	39.0	7.40	22.29	18.3	7.21

Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 09:30

Water Depth (ft)		Parameters			
Depth to Bottom	52.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.92	22.31	6.0	7.07
Depth 2	26.0	7.90	22.33	4.8	7.30
Depth 3	49.0	7.35	22.32	39.5	7.21

Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 09:40

Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.97	22.27	5.8	7.10
Depth 2	22.0	7.85	22.33	5.6	7.30
Depth 3	41.0	7.77	22.32	6.10	7.25

Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 09:51

Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.93	22.30	6.8	7.10
Depth 2	21.0	7.82	22.32	6.3	7.35
Depth 3	39.0	7.70	22.32	7.3	7.27

Station ID: S3M-E Early Warning for Turbidity taken at: 10:00

Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.13	22.36	3.6	7.12
Depth 2	29.0	7.98	22.37	4.2	7.32
Depth 3	55.0	7.85	22.36	5.00	7.29

Station ID: S3M-N Compliance Location for Turbidity taken at: 10:08

Water Depth (ft)		Parameters			
Depth to Bottom	34.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.20	22.36	4.9	7.13
Depth 2	17.0	8.04	22.37	5.0	7.34
Depth 3	31.0	7.96	22.37	5.60	7.39

Station ID: S3M-S Compliance Location for Turbidity taken at: 10:15

Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.07	22.37	6.1	7.10
Depth 2	29.0	7.95	22.36	6.2	7.31
Depth 3	55.0	7.87	22.36	8.30	7.28

Station ID: S3M-M Compliance Location for Turbidity taken at: 10:20

Water Depth (ft)		Parameters			
Depth to Bottom	59.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.12	22.38	5.7	7.11
Depth 2	29.0	7.95	22.38	5.8	7.29
Depth 3	56.0	7.85	22.36	8.70	7.28

Round 2

Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 10:39

Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.03	22.28	4.5	7.11
Depth 2	21.0	7.76	22.32	5.8	7.31
Depth 3	39.0	7.51	22.30	18.0	7.24

Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 10:45

Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.90	22.32	5.4	7.07
Depth 2	25.0	7.66	22.32	8.7	7.27
Depth 3	47.0	7.28	22.31	50.40	7.18

Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 10:54

Water Depth (ft)	Parameters

Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.95	22.37	6.5	7.06
Depth 2	22.0	7.74	22.33	7.8	7.35
Depth 3	41.0	7.45	22.32	25.0	7.34
Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 11:04					
Water Depth (ft)		Parameters			
Depth to Bottom	43.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.20	22.42	4.5	7.15
Depth 2	21.5	7.87	22.33	4.6	7.42
Depth 3	40.0	7.52	22.32	19.1	7.28
Station ID: S3M-E Early Warning for Turbidity taken at: 11:09					
Water Depth (ft)		Parameters			
Depth to Bottom	61.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.21	22.44	5.3	7.15
Depth 2	30.5	7.95	22.37	6.3	7.41
Depth 3	58.0	7.85	22.35	7.50	7.35
Station ID: S3M-S Compliance Location for Turbidity taken at: 11:17					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.23	22.47	5.6	7.14
Depth 2	28.5	8.00	22.38	6.9	7.42
Depth 3	54.0	7.89	22.37	7.20	7.30
Station ID: S3M-M Compliance Location for Turbidity taken at: 11:30					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.22	22.47	6.3	7.14
Depth 2	29.0	7.96	22.37	6.6	7.48
Depth 3	55.0	7.88	22.37	8.00	7.39
Station ID: S3M-N Compliance Location for Turbidity taken at: 11:39					
Water Depth (ft)		Parameters			
Depth to Bottom	34.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.35	22.49	5.4	7.20
Depth 2	17.0	8.17	22.38	5.7	7.37
Depth 3	31.0	7.88	22.34	7.30	7.40
Round 3					
Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 12:40					
Water Depth (ft)		Parameters			
Depth to Bottom	43.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.21	22.52	3.4	7.10
Depth 2	21.5	7.81	22.34	5.3	7.30
Depth 3	40.0	7.55	22.33	21.5	7.30
Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 12:47					
Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.01	22.43	4.7	7.10
Depth 2	25.0	7.68	22.33	5.9	7.45
Depth 3	47.0	7.19	22.34	80.00	7.25
Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 12:58					
Water Depth (ft)		Parameters			
Depth to Bottom	49.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	8.57	22.65	3.4	7.22
Depth 2	24.5	8.05	22.36	4.5	7.44
Depth 3	46.0	7.58	22.33	20.2	7.43
Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 13:30					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.07	22.43	5.4	7.07
Depth 2	20.0	7.95	22.37	7.0	7.43
Depth 3	37.0	7.68	22.35	16.6	7.51
Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 13:40					
Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.62	22.67	3.0	7.23
Depth 2	21.0	7.70	22.33	8.6	7.33
Depth 3	39.0	7.31	22.33	36.10	7.25
Station ID: S3M-E Compliance Location for Turbidity taken at: 15:00					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.48	22.56	4.0	7.23
Depth 2	29.5	8.07	22.44	4.4	7.30
Depth 3	55.0	7.63	22.36	10.30	7.26
Station ID: S3M-M Compliance Location for Turbidity taken at: 15:10					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.28	22.46	5.3	7.18
Depth 2	28.5	8.05	22.44	5.8	7.30
Depth 3	54.0	7.50	22.35	7.20	7.26
Station ID: S3M-N Compliance Location for Turbidity taken at: 15:20					
Water Depth (ft)		Parameters			
Depth to Bottom	32.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.50	22.58	5.4	7.22
Depth 2	16.0	8.24	22.50	5.0	7.33
Depth 3	29.0	8.15	22.48	6.10	7.33
Station ID: S3M-S Compliance Location for Turbidity taken at: 15:35					
Water Depth (ft)		Parameters			
Depth to Bottom	54.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.38	22.51	6.0	7.15
Depth 2	27.0	8.05	22.44	6.5	7.33
Depth 3	51.0	7.86	22.40	8.90	7.32
ROUND 4					
Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 17:30					
Water Depth (ft)		Parameters			

Depth to Bottom	48.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.47	22.53	2.9	7.23
Depth 2	24.0	7.97	22.46	7.0	7.35
Depth 3	45.0	7.69	22.41	22.5	7.66
Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 17:20					
Water Depth (ft)		Parameters			
Depth to Bottom	49.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.60	22.60	3.3	7.25
Depth 2	24.5	7.94	22.43	5.7	7.38
Depth 3	46.0	7.59	22.39	27.20	7.34
Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 17:30					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	8.48	22.60	4.7	7.30
Depth 2	20.0	7.97	22.45	6.6	7.38
Depth 3	37.0	7.61	22.37	10.2	7.35
Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 17:37					
Water Depth (ft)		Parameters			
Depth to Bottom	52.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.43	22.48	6.3	7.32
Depth 2	26.0	7.89	22.41	7.2	7.35
Depth 3	49.0	7.53	22.38	18.5	7.26
Station ID: S3M-E Compliance Location for Turbidity taken at: 17:50					
Water Depth (ft)		Parameters			
Depth to Bottom	59.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.35	22.45	5.8	7.23
Depth 2	29.5	8.17	22.46	5.0	7.35
Depth 3	56.0	8.06	22.47	6.60	7.36
Station ID: S3M-M Compliance Location for Turbidity taken at: 18:00					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.28	22.45	6.0	7.20
Depth 2	28.5	8.14	22.45	6.5	7.35
Depth 3	54.0	7.75	22.38	7.10	7.36
Station ID: S3M-N Compliance Location for Turbidity taken at: 18:05					
Water Depth (ft)		Parameters			
Depth to Bottom	33.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.35	22.47	5.1	7.29
Depth 2	16.5	8.06	22.45	5.9	7.38
Depth 3	30.0	8.02	22.45	7.20	7.33
Station ID: S3M-S Compliance Location for Turbidity taken at: 18:15					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.26	22.44	4.6	7.19
Depth 2	28.5	8.16	22.45	4.7	7.37
Depth 3	54.0	7.75	22.39	6.60	7.33
ROUND 5					
Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 19:30					
Water Depth (ft)		Parameters			
Depth to Bottom	51.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.00	22.40	8.2	7.20
Depth 2	25.5	7.91	22.42	9.0	7.35
Depth 3	48.0	7.47	22.42	115.2	7.27
Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 19:40					
Water Depth (ft)		Parameters			
Depth to Bottom	48.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.20	22.41	6.8	7.21
Depth 2	24.0	7.99	22.43	7.6	7.35
Depth 3	45.0	7.62	22.43	32.50	7.28
Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 19:50					
Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	8.09	22.42	7.9	7.22
Depth 2	23.0	7.83	22.42	10.5	7.41
Depth 3	43.0	7.59	22.42	58.8	7.30
Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 20:00					
Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.04	22.43	9.3	7.22
Depth 2	21.0	7.86	22.41	9.8	7.35
Depth 3	39.0	7.57	22.42	34.0	7.31
Station ID: S3M-E Compliance Location for Turbidity taken at: 20:10					
Water Depth (ft)		Parameters			
Depth to Bottom	62.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.08	22.39	11.1	7.20
Depth 2	31.0	7.88	22.40	12.0	7.35
Depth 3	59.0	7.77	22.33	11.10	7.39
Station ID: S3M-M Compliance Location for Turbidity taken at: 20:15					
Water Depth (ft)		Parameters			
Depth to Bottom	60.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.15	22.38	7.3	7.21
Depth 2	30.0	8.08	22.42	6.2	7.35
Depth 3	57.0	8.16	22.10	9.00	7.51
Station ID: S3M-N Compliance Location for Turbidity taken at: 20:25					
Water Depth (ft)		Parameters			
Depth to Bottom	39.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.08	22.42	9.7	7.18
Depth 2	19.5	7.99	22.42	9.1	7.34
Depth 3	36.0	7.90	22.42	9.20	7.33
Station ID: S3M-S Compliance Location for Turbidity taken at: 20:30					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH

Depth 1	3.0	8.25	22.41	5.8	7.23
Depth 2	29.0	7.93	22.39	6.6	7.36
Depth 3	55.0	8.06	22.16	10.10	7.42

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 8/20/2008
Construction Activity: Berth 411 Dredging
Construction Activity Times: Dredging occurred from
Monitoring Times: Background Parameters taken at 09:20, 17:05, 20:00; Compliance Parameters taken 10:01 to 21:15
Rounds of Sampling for Day: 5

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

ROUND 1

*** 90th Percentile Turbidity for 8/20/08 = 6.0 NTU**
*** Background Station 1 = 4.5NTU**
*** 90th percentile background value of 6.0 NTU used to calculate trigger for sampling in Rounds 1 and 2 since it is higher than background value.**
6.0 NTU + 5.0 NTU = 11.0 NTU Turbidity Trigger

Water Velocity (fps)	**0.5 ft/s @ 15 ft**

Station ID: BG-01 Background Station Field Parameters taken at: 09:20

Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.72	22.21	4.2	7.03
Depth 2	23.0	7.63	22.21	4.9	7.69
Depth 3	43.0	7.57	22.14	4.5	8.10

Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 10:01

Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.49	22.24	7.5	7.22
Depth 2	25.0	7.39	22.24	9.3	7.71
Depth 3	47.0	7.13	22.23	29.4	7.96

Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 10:10

Water Depth (ft)		Parameters			
Depth to Bottom	47.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	7.56	22.25	5.4	7.00
Depth 2	23.5	7.47	22.23	7.2	7.50
Depth 3	44.0	7.42	22.23	8.4	7.80

Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 10:20

Water Depth (ft)		Parameters			
Depth to Bottom	47.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.58	22.21	7.2	7.14
Depth 2	23.5	7.53	22.22	7.6	7.34
Depth 3	44.0	7.54	22.21	6.90	7.89

Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 10:30

Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.59	22.24	7.4	7.21
Depth 2	22.0	7.34	22.22	9.2	7.49
Depth 3	41.0	7.19	22.25	19.4	7.83

Station ID: S3M-E Early Warning for Turbidity taken at: 11:25

Water Depth (ft)		Parameters			
Depth to Bottom	62.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.76	22.21	3.1	7.03
Depth 2	31.0	7.55	22.20	5.3	7.69
Depth 3	59.0	7.46	22.21	7.40	8.14

Station ID: S3M-S Compliance Location for Turbidity taken at: 11:30

Water Depth (ft)		Parameters			
Depth to Bottom	56.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.74	22.20	5.9	7.14
Depth 2	28.0	7.57	22.20	7.1	7.67
Depth 3	53.0	7.47	22.20	8.60	8.02

Station ID: S3M-M Compliance Location for Turbidity taken at: 11:40

Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.75	22.19	6.6	7.28
Depth 2	29.0	7.58	22.20	7.0	7.33
Depth 3	55.0	7.47	22.20	9.70	7.99

Station ID: S3M-N Compliance Location for Turbidity taken at: 11:45

Water Depth (ft)		Parameters			
Depth to Bottom	33.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.72	22.22	6.9	7.25
Depth 2	16.5	7.65	22.22	7.2	7.05
Depth 3	30.0	7.57	22.22	7.50	7.61

Round 2

Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 12:20

Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.49	22.20	6.9	7.19
Depth 2	23.0	7.44	22.22	5.4	7.40
Depth 3	43.0	7.21	22.23	22.7	7.81

Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 12:30

Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.59	22.25	7.5	7.19
Depth 2	23.0	7.48	22.22	8.7	7.59
Depth 3	43.0	7.33	22.21	9.30	7.74

Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 12:40

Water Depth (ft)	Parameters

Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.65	22.21	8.4	7.26
Depth 2	22.0	7.44	22.23	10.1	7.56
Depth 3	41.0	7.28	22.22	14.6	7.75
Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 12:45					
Water Depth (ft)		Parameters			
Depth to Bottom	43.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.59	22.25	9.2	7.30
Depth 2	22.0	7.41	22.22	8.4	7.57
Depth 3	40.0	7.10	22.22	15.3	7.72
Station ID: S3M-E Early Warning for Turbidity taken at: 13:00					
Water Depth (ft)		Parameters			
Depth to Bottom	60.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.85	22.20	5.8	7.10
Depth 2	30.0	7.61	22.20	6.2	7.58
Depth 3	57.0	7.51	22.20	7.00	7.96
Station ID: S3M-S Compliance Location for Turbidity taken at: 13:10					
Water Depth (ft)		Parameters			
Depth to Bottom	56.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.77	22.20	6.2	7.09
Depth 2	28.0	7.58	22.20	7.2	7.55
Depth 3	53.0	7.47	22.18	9.70	7.90
Station ID: S3M-M Compliance Location for Turbidity taken at: 13:20					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.77	22.20	7.0	7.26
Depth 2	29.0	7.60	22.19	7.8	7.64
Depth 3	55.0	7.50	22.19	9.10	7.81
Station ID: S3M-N Compliance Location for Turbidity taken at: 13:25					
Water Depth (ft)		Parameters			
Depth to Bottom	34.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.82	22.20	6.9	7.28
Depth 2	17.0	7.68	22.21	6.9	7.50
Depth 3	31.0	7.59	22.21	8.00	7.66
Round 3					
Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 15:55					
Water Depth (ft)		Parameters			
Depth to Bottom	48.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.76	22.34	5.7	7.12
Depth 2	24.0	7.32	22.23	9.8	6.98
Depth 3	45.0	7.17	22.24	38.3	7.24
Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 16:15					
Water Depth (ft)		Parameters			
Depth to Bottom	51.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.78	22.32	8.0	6.79
Depth 2	25.5	7.34	22.23	11.9	7.03
Depth 3	48.0	7.13	22.23	26.60	7.17
Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 16:20					
Water Depth (ft)		Parameters			
Depth to Bottom	43.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	7.79	22.34	7.5	6.81
Depth 2	21.5	7.27	22.23	9.4	6.97
Depth 3	40.0	7.09	22.23	18.6	7.09
Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 16:20					
Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.73	22.32	7.5	6.82
Depth 2	19.0	7.42	22.24	7.8	6.98
Depth 3	35.0	7.20	22.22	10.6	7.11
Station ID: S3M-E Early Warning for Turbidity Parameters taken at: 16:35					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.85	22.27	6.5	6.83
Depth 2	29.0	7.48	22.15	7.8	7.10
Depth 3	55.0	7.25	22.15	11.60	7.27
Station ID: S3M-M Compliance Location for Turbidity taken at: 16:40					
Water Depth (ft)		Parameters			
Depth to Bottom	56.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.80	22.22	6.8	6.83
Depth 2	26.5	7.52	22.16	7.1	7.06
Depth 3	53.0	7.37	22.14	9.20	7.26
Station ID: S3M-N Compliance Location for Turbidity taken at: 16:45					
Water Depth (ft)		Parameters			
Depth to Bottom	32.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.80	22.22	7.2	6.82
Depth 2	16.0	7.54	22.17	7.5	6.94
Depth 3	29.0	7.44	22.16	8.40	7.07
Station ID: S3M-S Compliance Location for Turbidity taken at: 16:50					
Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.74	22.24	5.7	6.82
Depth 2	22.5	7.53	22.16	5.9	7.07
Depth 3	52.0	7.38	22.13	6.90	7.28
ROUND 4					
*** 90th Percentile Turbidity for 8/20/08 = 6.0 NTU** *** Background Station Sample 2 = 6.7 NTU** *** Background Station sample 2 value of 6.7 NTU used to calculate trigger for sampling in Round 4 since it is higher than 90th Percentile value.** **6.7 NTU + 5.0 NTU = 11.7 NTU Turbidity Trigger**					
Station ID: BG-01 Background Station Field Parameters taken at: 17:05					
Water Depth (ft)		Parameters			
Depth to Bottom	45.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.75	22.18	5.0	6.85

Depth 2	22.5	7.52	22.15	5.3	7.04
Depth 3	42.0	7.37	22.12	6.7	7.16
Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 18:55					
Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.96	22.31	4.8	6.85
Depth 2	25.0	7.32	22.23	7.7	6.85
Depth 3	47.0	7.14	22.24	45.5	6.93
Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 19:15					
Water Depth (ft)		Parameters			
Depth to Bottom	48.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.96	22.27	5.6	6.80
Depth 2	24.0	7.51	22.19	6.3	7.00
Depth 3	45.0	7.29	22.21	8.80	7.16
Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 19:10					
Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	7.81	22.30	5.3	6.75
Depth 2	23.0	7.18	22.23	11.7	6.91
Depth 3	43.0	6.97	22.22	13.1	7.00
Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 19:20					
Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.97	22.26	6.1	6.83
Depth 2	21.0	7.61	22.21	6.1	6.96
Depth 3	39.0	7.12	22.21	18.5	7.09
Station ID: S3M-E Early Warning for Turbidity Parameters taken at: 19:30					
Water Depth (ft)		Parameters			
Depth to Bottom	62.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.73	22.23	8.2	6.81
Depth 2	31.0	7.55	22.22	9.8	7.12
Depth 3	59.0	7.40	22.20	13.70	7.34
Station ID: S3M-M Compliance Location for Turbidity taken at: 19:35					
Water Depth (ft)		Parameters			
Depth to Bottom	60.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.69	22.22	9.1	6.80
Depth 2	30.0	7.56	22.21	10.3	7.08
Depth 3	57.0	7.40	22.19	11.40	7.24
Station ID: S3M-N Compliance Location for Turbidity taken at: 19:45					
Water Depth (ft)		Parameters			
Depth to Bottom	34.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.71	22.21	8.3	6.85
Depth 2	17.0	7.66	22.22	8.0	7.02
Depth 3	31.0	7.51	22.20	8.90	7.14
Station ID: S3M-S Compliance Location for Turbidity taken at: 19:45					
Water Depth (ft)		Parameters			
Depth to Bottom	59.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.68	22.21	9.4	6.89
Depth 2	29.5	7.54	22.21	10.5	7.16
Depth 3	56.0	7.41	22.20	13.20	7.21
* 90th Percentile Turbidity for 8/20/08 = 6.0 NTU * Background Station Sample 3 = 7.9 NTU * Background Station #3 value of 7.9 NTU used to calculate trigger for sampling in Round 5 since it is higher than 90th Percentile value.		**ROUND 5**			
Station ID: BG-01 Background Station Field Parameters taken at: 20:00					
Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.74	22.19	7.1	6.88
Depth 2	23.0	7.59	22.19	7.4	7.12
Depth 3	43.0	7.54	22.19	7.9	7.29
Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at:					
Water Depth (ft)		Parameters			
Depth to Bottom	0.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	0.0	0.00	0.00	0.0	0.00
Depth 2	0.0	0.00	0.00	0.0	0.00
Depth 3	0.0	0.00	0.00	0.0	0.00
Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at:					
Water Depth (ft)		Parameters			
Depth to Bottom	0.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	0.0	0.00	0.00	0.0	0.00
Depth 2	0.0	0.00	0.00	0.0	0.00
Depth 3	0.0	0.00	0.00	0.00	0.00
Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at:					
Water Depth (ft)		Parameters			
Depth to Bottom	0.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	0.0	0.00	0.00	0.0	0.00
Depth 2	0.0	0.00	0.00	0.0	0.00
Depth 3	0.0	0.00	0.00	0.0	0.00
Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at:					
Water Depth (ft)		Parameters			
Depth to Bottom	0.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	0.0	0.00	0.00	0.0	0.00
Depth 2	0.0	0.00	0.00	0.0	0.00
Depth 3	0.0	0.00	0.00	0.0	0.00
Station ID: S3M-S Early Warning for Turbidity Parameters taken at: 20:15					
Water Depth (ft)		Parameters			
Depth to Bottom	59.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.83	22.14	6.9	6.97
Depth 2	29.5	7.59	22.21	7.7	7.22
Depth 3	56.0	7.47	22.11	14.40	7.39
Station ID: S3M-N Compliance Location for Turbidity taken at: 20:50					

Water Depth (ft)		Parameters			
Depth to Bottom	36.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.58	22.16	8.8	6.96
Depth 2	18.0	7.53	22.19	8.5	6.65
Depth 3	33.0	7.43	22.19	15.50	6.64
Station ID: S3M-M Compliance Location for Turbidity taken at: 21:00					
Water Depth (ft)		Parameters			
Depth to Bottom	60.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.72	22.18	7.7	6.79
Depth 2	30.0	7.58	22.18	8.5	6.63
Depth 3	57.0	7.58	22.06	10.50	7.33
Station ID: S3M-S Compliance Location for Turbidity taken at: 21:05					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.78	22.10	6.9	6.78
Depth 2	29.0	7.52	22.20	8.3	7.11
Depth 3	55.0	7.47	22.18	10.30	7.39
Station ID: S3M-N Compliance Location for Turbidity taken at: 21:15					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.66	22.16	7.9	6.80
Depth 2	20.0	7.57	22.19	8.1	6.91
Depth 3	37.0	7.49	22.17	9.80	7.20

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 8/21/2008
Construction Activity: Berth 411 Dredging
Construction Activity Times: Dredging occurred from
Monitoring Times: Background Parameters taken at 07:20 and 15:00; Compliance Parameters taken 08:00 to 19:50
Rounds of Sampling for Day:

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5
Water Velocity (fps)	**0.0 ft/s @ 15 ft**

ROUND 1

*** 90th Percentile Turbidity for 8/21/08 = 6.0 NTU**
*** Background Station 1 = 4.8NTU**
*** 90th percentile background value of 6.0 NTU used to calculate trigger for sampling in Round 1 since it is higher than background value.**
6.0 NTU + 5.0 NTU = 11.0 NTU Turbidity Trigger

Station ID: BG-01 Background Station Field Parameters taken at: 07:20

Water Depth (ft)		Parameters			
Depth to Bottom	43.1	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.45	21.94	4.8	7.11
Depth 2	22.0	7.36	21.94	5.5	7.58
Depth 3	40.0	7.30	21.95	4.8	7.85

Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 08:00

Water Depth (ft)		Parameters			
Depth to Bottom	51.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.21	21.99	6.6	7.13
Depth 2	25.0	7.11	22.03	6.8	7.60
Depth 3	48.0	6.97	21.98	12.0	7.86

Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 08:37

Water Depth (ft)		Parameters			
Depth to Bottom	52.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.28	21.98	8.8	7.40
Depth 2	26.0	7.24	21.95	7.2	7.79
Depth 3	49.0	7.14	21.94	10.50	7.89

Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 08:52

Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	7.20	21.94	7.8	7.46
Depth 2	22.0	7.02	22.01	21.2	7.73
Depth 3	41.0	6.90	22.02	25.4	7.79

Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 08:27

Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.25	21.97	7.6	7.42
Depth 2	21.0	7.21	21.99	6.4	7.70
Depth 3	39.0	7.20	21.95	7.2	7.83

Station ID: S3M-E Early Warning for Turbidity Parameters taken at: 10:15

Water Depth (ft)		Parameters			
Depth to Bottom	61.5	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.43	21.94	4.9	7.07
Depth 2	30.0	7.30	21.95	5.1	7.14
Depth 3	58.0	7.19	21.94	7.70	7.79

Station ID: S3M-S Compliance Location for Turbidity taken at: 10:25

Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.40	21.92	7.0	7.27
Depth 2	29.0	7.28	21.95	6.9	7.81
Depth 3	55.0	7.21	21.94	11.00	8.07

Station ID: S3M-M Compliance Location for Turbidity taken at: 10:40

Water Depth (ft)		Parameters			
Depth to Bottom	59.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.49	21.98	7.9	7.44
Depth 2	29.0	7.29	21.96	7.9	7.87
Depth 3	56.0	7.20	21.95	10.50	8.10

Station ID: S3M-N Compliance Location for Turbidity taken at: 10:50

Water Depth (ft)		Parameters			
Depth to Bottom	36.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.50	21.95	6.6	7.48
Depth 2	18.0	7.31	21.97	7.3	7.72
Depth 3	33.0	7.28	21.97	7.60	7.83

ROUND 2

*** 90th Percentile Turbidity for 8/21/08 = 6.0 NTU**
*** Background Station 4 = 11.1NTU**
*** Background Station value of 11.1 NTU used to calculate trigger for sampling in Rounds 2 and 3 since it is higher than 90th Percentile value.**
11.1 NTU + 5.0 NTU = 16.1 NTU Turbidity Trigger

Station ID: BG-04 Background Station Field Parameters taken at: 15:00

Water Depth (ft)		Parameters			
Depth to Bottom	68.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.75	22.39	4.9	7.20
Depth 2	34.0	7.30	21.98	6.6	7.09
Depth 3	65.0	7.11	21.96	11.1	8.04

Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 16:10

Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.28	22.58	4.8	7.28
Depth 2	25.0	6.55	22.04	11.9	7.16
Depth 3	47.0	6.50	22.11	34.4	7.16

Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 16:20

Water Depth (ft)		Parameters			
Depth to Bottom	47.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.16	22.48	6.4	7.27
Depth 2	23.0	6.54	22.03	12.6	7.18
Depth 3	44.0	6.39	22.06	22.40	7.16
Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 16:25					
Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	7.23	22.55	5.8	7.30
Depth 2	23.0	6.59	22.03	8.3	7.20
Depth 3	43.0	6.47	22.07	24.0	7.17
Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 16:35					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.29	22.62	5.5	7.31
Depth 2	20.0	6.71	22.06	8.6	7.21
Depth 3	37.0	6.44	22.01	11.6	7.17
Station ID: S3M-E Early Warning for Turbidity taken at: 16:45					
Water Depth (ft)		Parameters			
Depth to Bottom	59.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.26	22.39	5.8	7.31
Depth 2	30.0	6.74	21.98	7.3	7.21
Depth 3	56.0	6.42	21.94	14.80	7.18
Station ID: S3M-M Compliance Location for Turbidity taken at: 16:50					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.97	22.12	5.7	7.25
Depth 2	28.0	6.76	21.97	5.9	7.21
Depth 3	54.0	6.64	21.95	8.20	7.20
Station ID: S3M-N Compliance Location for Turbidity taken at: 16:55					
Water Depth (ft)		Parameters			
Depth to Bottom	32.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.32	22.49	5.9	7.33
Depth 2	16.0	6.88	22.03	6.3	7.23
Depth 3	29.0	6.69	21.98	8.00	7.21
Station ID: S3M-S Compliance Location for Turbidity taken at: 17:00					
Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.27	22.32	6.3	7.32
Depth 2	27.0	6.81	21.98	6.9	7.22
Depth 3	52.0	6.65	21.95	9.20	7.21
ROUND 3					
Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 18:50 (inside boom)					
Water Depth (ft)		Parameters			
Depth to Bottom	51.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.30	22.37	3.2	7.33
Depth 2	25.0	6.52	22.08	20.1	7.22
Depth 3	48.0	6.50	22.09	29.5	7.21
Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 19:00					
Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.26	22.41	5.1	7.32
Depth 2	23.0	6.57	22.04	16.2	7.21
Depth 3	43.0	6.45	22.02	12.90	7.19
Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 19:05					
Water Depth (ft)		Parameters			
Depth to Bottom	47.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.05	22.37	5.8	7.29
Depth 2	23.0	6.44	22.09	25.3	7.20
Depth 3	44.0	6.34	22.02	18.3	7.18
Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 19:15					
Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.52	22.44	5.1	7.37
Depth 2	21.0	6.72	22.04	10.3	7.22
Depth 3	39.0	6.49	22.00	12.9	7.20
Station ID: S3M-E Early Warning for Turbidity taken at: 19:25					
Water Depth (ft)		Parameters			
Depth to Bottom	60.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.29	22.08	4.4	7.31
Depth 2	30.0	6.71	21.97	5.3	7.23
Depth 3	57.0	6.57	21.94	8.70	7.21
Station ID: S3M-M Compliance Location for Turbidity taken at: 19:30					
Water Depth (ft)		Parameters			
Depth to Bottom	65.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.10	22.15	7.6	7.28
Depth 2	32.0	6.76	21.97	8.1	7.22
Depth 3	62.0	6.55	21.95	10.30	7.21
Station ID: S3M-S Compliance Location for Turbidity taken at: 19:40					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.12	22.15	5.0	7.30
Depth 2	26.0	6.87	21.97	5.6	7.24
Depth 3	54.0	6.61	21.95	7.30	7.21
Station ID: S3M-N Compliance Location for Turbidity taken at: 19:50					
Water Depth (ft)		Parameters			
Depth to Bottom	36.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.93	22.04	5.9	7.31
Depth 2	18.0	6.77	21.99	7.2	7.22
Depth 3	33.0	6.68	21.98	7.70	7.22

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 8/22/2008
Construction Activity: Berth 411 Dredging
Construction Activity Times: Dredging occurred from
Monitoring Times: Background Parameters taken at 08:20 ; Compliance Parameters taken 08:42 to 21:05
Rounds of Sampling for Day: 4

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Water Velocity (fps) | **0.0 ft/s @ 00 ft** | **(not taken - meter not working)**

ROUND 1

*** 90th Percentile Turbidity for 8/22/08 = 6.79 NTU**
*** Background Station 1 = 9.6NTU**
*** Backgound Station 1 used since it is higher than 90th Percentile value.**
9.6 NTU + 5.0 NTU = 14.5 NTU Turbidity Trigger

Station ID: BG-01 Background Station Field Parameters taken at: 08:20

Water Depth (ft)		Parameters			
Depth to Bottom	72.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.04	21.80	8.5	7.41
Depth 2	36.0	8.57	21.92	8.8	7.34
Depth 3	69.0	8.42	21.89	9.6	7.33

Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 08:42 (inside boom)

Water Depth (ft)		Parameters			
Depth to Bottom	51.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.81	21.73	7.6	7.42
Depth 2	26.0	8.41	21.84	10.7	7.33
Depth 3	48.0	8.22	21.87	17.1	7.31

Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 09:03

Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.77	21.87	6.8	7.39
Depth 2	21.0	8.47	21.88	7.1	7.32
Depth 3	39.0	8.26	21.87	7.0	7.29

Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 09:10

Water Depth (ft)		Parameters			
Depth to Bottom	48.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.70	21.89	8.6	7.38
Depth 2	24.0	8.37	21.89	7.5	7.29
Depth 3	45.0	8.17	21.87	7.10	7.27

Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 09:17 (inside boom)

Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.49	21.89	8.9	7.32
Depth 2	21.0	8.21	21.87	8.7	7.27
Depth 3	39.0	8.12	21.87	9.5	7.26

Round 2

Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 11:57

Water Depth (ft)		Parameters			
Depth to Bottom	48.6	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.11	22.48	3.7	7.30
Depth 2	24.0	8.62	21.98	5.6	7.19
Depth 3	45.0	8.27	22.00	16.1	7.16

Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 12:18

Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.05	22.47	4.6	7.19
Depth 2	20.0	8.52	21.98	7.9	7.16
Depth 3	38.0	8.10	21.91	16.8	7.14

Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 12:25

Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.95	22.40	5.8	7.27
Depth 2	25.0	8.40	21.96	11.6	7.18
Depth 3	47.0	8.24	21.94	17.30	7.17

Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 12:30

Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.94	22.19	6.6	7.27
Depth 2	20.0	8.48	21.96	7.7	7.19
Depth 3	38.0	8.25	21.91	11.4	7.18

Station ID: S3M-E Early Warning for Turbidity taken at: 12:45

Water Depth (ft)		Parameters			
Depth to Bottom	60.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.87	22.15	8.2	7.25
Depth 2	30.0	8.50	21.94	9.3	7.20
Depth 3	57.0	8.34	21.93	12.60	7.19

Station ID: S3M-S Compliance Location for Turbidity taken at: 12:50

Water Depth (ft)		Parameters			
Depth to Bottom	60.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.95	22.27	6.9	7.26
Depth 2	30.0	8.61	21.97	7.7	7.21
Depth 3	57.0	8.40	21.93	11.30	7.20

Station ID: S3M-M Compliance Location for Turbidity taken at: 12:55

Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH

Depth 1	3.0	8.87	22.07	8.0	7.27
Depth 2	29.0	8.57	21.94	8.5	7.21
Depth 3	55.0	8.35	21.93	12.80	7.20
Station ID: S3M-N Compliance Location for Turbidity taken at: 13:05					
Water Depth (ft)		Parameters			
Depth to Bottom	34.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.94	22.39	7.2	7.28
Depth 2	17.0	8.55	21.98	10.3	7.22
Depth 3	31.0	8.47	21.93	12.20	7.20
Round 3					
Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 15:00 (inside boom)					
Water Depth (ft)		Parameters			
Depth to Bottom	49.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.79	22.61	6.6	7.13
Depth 2	25.0	8.04	22.03	15.8	7.02
Depth 3	46.0	7.79	21.98	18.8	7.02
Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 16:15					
Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	9.10	23.06	4.7	7.14
Depth 2	22.0	8.40	22.07	4.9	7.04
Depth 3	41.0	7.90	21.96	13.3	6.99
Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 16:25					
Water Depth (ft)		Parameters			
Depth to Bottom	43.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.11	22.96	5.7	7.16
Depth 2	22.0	8.13	22.05	11.4	7.03
Depth 3	40.0	7.96	21.96	13.20	7.01
Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 16:30					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.03	23.02	5.5	7.17
Depth 2	20.0	8.27	22.07	6.1	7.04
Depth 3	37.0	7.99	21.96	10.9	7.02
Station ID: S3M-E Early Warning for Turbidity Parameters taken at: 16:40					
Water Depth (ft)		Parameters			
Depth to Bottom	59.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.92	22.46	5.5	7.13
Depth 2	30.0	8.51	22.05	6.1	7.08
Depth 3	56.0	7.80	21.95	9.70	7.00
Station ID: S3M-M Compliance Location for Turbidity taken at: 16:50					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.84	22.36	5.5	7.12
Depth 2	29.0	8.42	22.03	6.1	7.07
Depth 3	55.0	8.25	21.94	9.40	7.06
Station ID: S3M-S Compliance Location for Turbidity taken at: 17:00					
Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.73	22.31	9.1	7.12
Depth 2	27.0	8.40	22.06	10.4	7.08
Depth 3	52.0	8.27	22.03	16.40	7.06
Station ID: S3M-N Compliance Location for Turbidity taken at: 17:10					
Water Depth (ft)		Parameters			
Depth to Bottom	32.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.10	22.62	4.5	7.20
Depth 2	16.0	8.75	22.26	4.8	7.13
Depth 3	29.0	8.51	22.11	5.70	7.10
Station ID: BG-02 Background Station Field Parameters taken at: 17:45					
Water Depth (ft)		Parameters			
Depth to Bottom	63.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.05	22.46	4.4	7.12
Depth 2	32.0	8.49	22.03	5.9	7.06
Depth 3	60.0	8.34	21.95	10.2	7.06
Station ID: S3M-S Compliance Location for Turbidity taken at: 17:55 (back-up sample)					
Water Depth (ft)		Parameters			
Depth to Bottom	56.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.09	22.41	5.5	7.18
Depth 2	28.0	8.58	22.08	6.6	7.10
Depth 3	53.0	8.37	21.97	9.30	7.08
Round 4					
Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 20:00 (inside of boom)					
Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.00	22.57	4.5	7.23
Depth 2	25.0	8.26	22.13	16.8	7.12
Depth 3	47.0	8.00	22.09	22.0	7.11
Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 20:05 (inside boom)					
Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	9.11	22.80	5.5	7.25
Depth 2	21.0	8.49	22.26	5.5	7.16
Depth 3	39.0	7.99	22.09	24.6	7.10
Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 20:15					
Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.01	22.36	7.7	7.23
Depth 2	23.0	8.57	22.22	6.8	7.17
Depth 3	43.0	7.98	22.07	11.90	7.10
Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 20:20					
Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH

Depth 1	3.0	9.07	22.74	5.4	7.24
Depth 2	22.0	8.45	22.19	6.2	7.15
Depth 3	41.0	8.12	22.08	12.4	7.11
Station ID: S3M-E Early Warning for Turbidity Parameters taken at: 20:40					
Water Depth (ft)		Parameters			
Depth to Bottom	62.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.61	22.19	6.2	7.19
Depth 2	31.0	8.29	22.03	7.4	7.13
Depth 3	59.0	8.01	21.95	9.20	7.13
Station ID: S3M-M Compliance Location for Turbidity taken at: 20:50					
Water Depth (ft)		Parameters			
Depth to Bottom	59.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.57	22.15	7.6	7.18
Depth 2	30.0	8.26	21.99	9.5	7.13
Depth 3	56.0	8.01	21.94	11.70	7.13
Station ID: S3M-S Compliance Location for Turbidity taken at: 20:55					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.77	22.19	6.8	7.22
Depth 2	28.0	8.15	21.95	8.7	7.13
Depth 3	54.0	8.03	21.94	10.50	7.12
Station ID: S3M-N Compliance Location for Turbidity taken at: 21:05					
Water Depth (ft)		Parameters			
Depth to Bottom	36.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.68	22.25	7.2	7.21
Depth 2	18.0	8.37	22.11	8.1	7.15
Depth 3	33.0	8.13	21.98	10.10	7.13

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 8/23/2008
Construction Activity: Berth 411 Dredging
Construction Activity Times: Dredging occurred from
Monitoring Times: Background Parameters taken at 09:30, 12:50, and 15:20; Compliance Parameters taken 9:55 to 19:30
Rounds of Sampling for Day: 4

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

ROUND 1

*** 90th Percentile Turbidity for 8/23/08 = 7.60 NTU**
*** Background Station 1 = 8.90 NTU**
*** Backgound Station 1 used since it is higher than 90th Percentile value.**
8.9 NTU + 5.0 NTU = 13.9 NTU Turbidity Trigger

Water Velocity (fps)	**0.0 ft/s @ 00 ft**	**(not taken - meter not working)**

Station ID: BG-01 Background Station Field Parameters taken at: 09:30

Water Depth (ft)		Parameters			
Depth to Bottom	73.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.53	21.89	5.9	7.31
Depth 2	36.0	7.45	21.94	7.9	7.28
Depth 3	70.0	7.32	21.94	8.9	7.25

Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 09:55

Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.17	21.97	12.3	7.25
Depth 2	23.0	7.11	22.04	12.5	7.22
Depth 3	43.0	6.82	22.00	18.7	7.19

Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 10:15

Water Depth (ft)		Parameters			
Depth to Bottom	40.7	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.39	22.08	8.4	7.24
Depth 2	20.0	7.18	22.03	8.3	7.20
Depth 3	37.0	7.13	22.01	10.6	7.19

Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 10:35

Water Depth (ft)		Parameters			
Depth to Bottom	48.2	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.32	22.13	12.5	7.28
Depth 2	24.0	7.11	22.04	12.8	7.19
Depth 3	45.0	6.90	22.02	35.00	7.14

Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 10:40

Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.21	22.15	11.4	7.21
Depth 2	21.0	6.87	22.07	11.0	7.14
Depth 3	39.0	6.92	22.03	16.1	7.15

Station ID: S3M-E Compliance Location for Turbidity taken at: 11:40

Water Depth (ft)		Parameters			
Depth to Bottom	56.6	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.62	22.20	6.7	7.23
Depth 2	28.0	7.39	22.00	7.9	7.20
Depth 3	53.0	7.32	21.96	9.10	7.18

Station ID: S3M-M Compliance Location for Turbidity taken at: 11:50

Water Depth (ft)		Parameters			
Depth to Bottom	58.3	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.70	22.23	7.5	7.29
Depth 2	29.0	7.44	21.98	8.9	7.20
Depth 3	55.0	7.27	21.95	13.20	7.18

Station ID: S3M-S Compliance Location for Turbidity taken at: 12:00

Water Depth (ft)		Parameters			
Depth to Bottom	56.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.77	22.47	7.8	7.28
Depth 2	28.0	7.45	21.97	9.7	7.19
Depth 3	53.0	7.29	21.96	10.90	7.17

Station ID: S3M-N Compliance Location for Turbidity taken at: 12:15

Water Depth (ft)		Parameters			
Depth to Bottom	32.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.56	22.20	9.1	7.21
Depth 2	16.0	7.45	21.97	9.9	7.18
Depth 3	29.0	7.35	21.95	13.60	7.17

Round 2

*** 90th Percentile Turbidity for 8/23/08 = 7.60 NTU**
*** Background Station 2 = 19.2 NTU**
*** Backgound Station 2 used since it is higher than 90th Percentile value.**
19.2 NTU + 5.0 NTU = 24.2 NTU Turbidity Trigger

Station ID: BG-01 Background Station Field Parameters taken at: 12:50

Water Depth (ft)		Parameters			
Depth to Bottom	69.2	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.79	22.47	7.7	7.18
Depth 2	34.0	7.40	21.97	9.8	7.15
Depth 3	66.0	7.28	21.96	19.2	7.13

Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 13:10

Water Depth (ft)		Parameters			
Depth to Bottom	40.5	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.57	22.35	8.6	7.18

Depth 2	20.0	7.07	22.05	12.1	7.09
Depth 3	37.0	6.95	22.02	14.0	7.08
Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 13:15					
Water Depth (ft)		Parameters			
Depth to Bottom	48.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.66	22.43	9.5	7.18
Depth 2	24.0	7.23	22.03	10.9	7.12
Depth 3	45.0	6.73	22.00	35.50	7.05
Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 13:25					
Water Depth (ft)		Parameters			
Depth to Bottom	43.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	7.67	23.12	8.5	7.22
Depth 2	21.0	7.07	22.05	13.5	7.10
Depth 3	40.0	6.84	22.06	34.5	7.06
Station ID: S3M-N Compliance Location for Turbidity taken at: 13:35					
Water Depth (ft)		Parameters			
Depth to Bottom	54.4	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.65	22.30	9.8	7.16
Depth 2	27.0	7.46	22.07	9.2	7.15
Depth 3	51.0	7.32	21.97	11.60	7.13
Station ID: S3M-N Compliance Location for Turbidity taken at: 14:50					
Water Depth (ft)		Parameters			
Depth to Bottom	32.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.84	22.71	5.8	7.11
Depth 2	16.0	7.55	22.13	7.1	7.06
Depth 3	29.0	7.33	22.05	10.20	7.02
Station ID: S3M-M Compliance Location for Turbidity taken at: 15:00					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.09	22.60	6.2	7.19
Depth 2	29.0	7.45	22.05	8.5	7.05
Depth 3	55.0	7.27	21.99	11.60	7.04
Station ID: S3M-S Compliance Location for Turbidity taken at: 15:05					
Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.87	22.77	6.4	7.07
Depth 2	27.0	7.48	22.03	8.4	7.06
Depth 3	52.0	7.26	21.98	11.20	7.04
Station ID: BG-01 Background Station Field Parameters taken at: 15:20					
Water Depth (ft)		Parameters			
Depth to Bottom	65.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.93	22.33	5.6	7.12
Depth 2	32.0	7.55	22.01	6.2	7.07
Depth 3	62.0	7.31	21.96	11.9	7.04
ROUND 3					
Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 17:50					
Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.37	22.66	5.8	7.15
Depth 2	25.0	6.72	22.14	13.7	7.07
Depth 3	47.0	6.53	22.12	24.1	7.05
Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 18:00					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.39	22.71	5.9	7.19
Depth 2	20.0	6.83	22.16	6.0	7.10
Depth 3	37.0	6.48	22.08	21.8	7.07
Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 18:15					
Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.46	22.69	4.8	7.20
Depth 2	22.0	7.28	22.26	5.0	7.14
Depth 3	41.0	6.78	22.06	7.80	7.10
Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 18:20					
Water Depth (ft)		Parameters			
Depth to Bottom	39.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.01	23.75	5.5	7.38
Depth 2	20.0	6.81	22.17	5.2	7.11
Depth 3	36.0	6.68	22.03	10.4	7.10
Station ID: S3M-E Early Warning for Turbidity Parameters taken at: 18:25					
Water Depth (ft)		Parameters			
Depth to Bottom	59.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.02	22.97	4.0	7.30
Depth 2	30.0	7.25	22.11	4.8	7.16
Depth 3	56.0	6.71	22.01	14.10	7.12
Station ID: S3M-M Compliance Location for Turbidity taken at: 18:30					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.86	22.83	4.0	7.25
Depth 2	28.0	7.36	22.02	4.7	7.17
Depth 3	54.0	6.96	21.99	8.90	7.15
Station ID: S3M-N Compliance Location for Turbidity taken at: 18:40					
Water Depth (ft)		Parameters			
Depth to Bottom	31.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.86	22.86	4.5	7.31
Depth 2	15.0	7.51	22.39	4.7	7.21
Depth 3	28.0	7.21	22.18	5.70	7.18
Station ID: S3M-S Compliance Location for Turbidity taken at: 18:45					
Water Depth (ft)		Parameters			
Depth to Bottom	54.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.07	22.79	5.3	7.40
Depth 2	27.0	7.03	22.07	7.9	7.17

Depth 3	51.0	6.92	22.02	8.10	7.15
ROUND 4					
Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 19:05					
Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.12	23.34	2.7	7.34
Depth 2	25.0	6.85	22.17	16.2	7.12
Depth 3	47.0	6.59	22.07	17.5	7.11
Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 19:20					
Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	8.22	23.58	2.8	7.43
Depth 2	20.5	7.18	22.23	5.1	7.15
Depth 3	38.0	6.60	22.10	12.9	7.09
Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 19:25					
Water Depth (ft)		Parameters			
Depth to Bottom	43.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.94	23.24	3.8	7.33
Depth 2	21.0	7.03	22.16	7.4	7.15
Depth 3	40.0	6.61	22.02	14.30	7.11
Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 19:30					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.02	22.92	3.9	7.31
Depth 2	20.0	6.95	22.10	6.2	7.16
Depth 3	37.0	6.70	22.04	8.6	7.13

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 8/24/2008

Construction Activity: Berth 411 Dredging

Construction Activity Times: Dredging occurred from

Monitoring Times: Background Parameters taken at 08:00 and 14:10 ; Compliance Parameters taken 09:15 to 16:07

Rounds of Sampling for Day: 4

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

ROUND 1

*** 90th Percentile Turbidity for 8/24/08 = 8.38 NTU**
*** Background Station 1 = 12.8 NTU**
*** Background Station value of 12.8NTU used to calculate trigger for sampling in Round 1 since it is higher than 90th Percentile value.**
12.8 NTU + 5.0 NTU = 17.8 NTU Turbidity Trigger

Water Velocity (fps)	**0.0 ft/s @ 15 ft**				
Water Depth (ft)		Parameters			
Depth to Bottom	62.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.19	22.06	6.4	7.10
Depth 2	31.0	7.02	22.05	6.1	7.13
Depth 3	59.0	6.79	22.04	12.8	7.11

Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 09:15

Water Depth (ft)		Parameters			
Depth to Bottom	63.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.75	22.27	5.2	7.08
Depth 2	31.0	6.63	22.11	8.4	7.06
Depth 3	60.0	6.48	22.05	11.4	7.05

Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 09:35

Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	6.82	22.22	4.6	7.12
Depth 2	25.0	6.65	22.15	6.1	7.05
Depth 3	47.0	6.53	22.06	8.7	7.05

Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 09:45

Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.88	22.32	5.9	7.09
Depth 2	20.0	6.74	22.15	6.4	7.06
Depth 3	38.0	6.63	22.11	7.60	7.06

Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 09:55

Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.88	22.35	5.3	7.09
Depth 2	20.0	6.69	22.15	6.6	7.06
Depth 3	37.0	6.59	22.11	8.2	7.05

ROUND 2

Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 10:06

Water Depth (ft)		Parameters			
Depth to Bottom	51.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.70	22.23	5.5	7.06
Depth 2	25.0	6.61	22.16	7.8	7.06
Depth 3	48.0	6.43	22.02	14.7	7.05

Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 10:19

Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	6.87	22.38	4.4	7.08
Depth 2	25.0	6.79	22.13	6.1	7.07
Depth 3	47.0	6.46	22.02	9.5	7.03

Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 11:15

Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.55	22.31	7.4	6.99
Depth 2	21.0	6.46	22.15	7.7	6.99
Depth 3	39.0	6.26	22.09	10.80	6.98

Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 11:22

Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.70	22.52	6.9	7.02
Depth 2	20.0	6.37	22.14	8.2	6.98
Depth 3	37.0	6.15	22.09	9.6	6.95

ROUND 3

Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 11:55

Water Depth (ft)		Parameters			
Depth to Bottom	52.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.36	22.36	6.7	6.96

Depth 2	26.0	6.34	22.13	7.6	6.94
Depth 3	49.0	6.04	22.07	20.4	6.91
Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 12:06					
Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	50.0	6.84	22.64	6.0	7.10
Depth 2	25.0	6.39	22.13	8.7	6.96
Depth 3	47.0	6.06	22.09	16.4	6.94
Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 12:11					
Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.67	22.54	6.0	7.04
Depth 2	21.0	6.39	22.13	7.2	6.97
Depth 3	39.0	6.32	22.09	10.80	6.97
Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 12:17					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.71	22.47	7.6	7.07
Depth 2	20.0	6.34	22.13	8.0	6.97
Depth 3	37.0	6.37	22.10	9.7	6.99
ROUND 4					
*** 90th Percentile Turbidity for 8/24/08 = 8.38 NTU * Background Station 15.9 = NTU * Background station value of 15.9 NTU used to calculate trigger for sampling in Round 4 since it is higher than background value. 15.9 NTU + 5.0 NTU = 20.9 NTU Turbidity Trigger**					
Station ID: BG-01 Background Station Field Parameters taken at: 14:10					
Water Depth (ft)		Parameters			
Depth to Bottom	63.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.27	22.57	4.7	7.08
Depth 2	31.0	6.59	22.03	6.2	6.98
Depth 3	60.0	6.28	22.01	15.9	6.95
Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 15:21					
Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.72	22.51	5.0	7.01
Depth 2	25.0	6.32	22.14	6.2	6.93
Depth 3	47.0	6.11	22.14	38.8	6.92
Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 15:27					
Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.88	22.64	4.7	7.08
Depth 2	23.0	6.37	22.13	10.2	6.95
Depth 3	47.0	6.10	22.08	33.4	6.93
Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 15:37					
Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.95	22.52	3.9	7.04
Depth 2	22.0	6.49	22.13	4.5	6.97
Depth 3	41.0	6.29	22.05	8.50	6.95
Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 15:42					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.86	22.49	5.8	7.04
Depth 2	20.0	6.36	22.16	5.9	6.95
Depth 3	39.0	6.35	22.07	8.4	6.96
Station ID: S3M-E Early Warning for Turbidity taken at: 15:57					
Water Depth (ft)		Parameters			
Depth to Bottom	60.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.44	22.53	3.2	7.16
Depth 2	30.0	6.52	22.02	5.7	6.99
Depth 3	57.0	6.38	21.99	8.60	6.98
Station ID: S3M-N Compliance Location for Turbidity taken at: 16:07					
Water Depth (ft)		Parameters			
Depth to Bottom	36.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.42	22.51	4.4	7.18
Depth 2	18.0	6.71	22.09	4.5	7.01
Depth 3	33.0	6.51	22.00	6.70	6.98
Station ID: S3M-M Compliance Location for Turbidity taken at: 16:15					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.26	22.47	4.3	7.13
Depth 2	29.0	6.60	22.02	5.4	7.01
Depth 3	55.0	6.32	21.97	9.80	7.00
Station ID: S3M-S Compliance Location for Turbidity taken at: 16:20					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.12	22.15	5.0	7.30
Depth 2	26.0	6.87	21.97	5.6	7.24
Depth 3	54.0	6.61	21.95	7.30	7.21

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 8/25/2008
Construction Activity: Berth 411 Dredging and Berth 410 Dredging
Construction Activity Times: Dredging occurred from 06:40 to 13:30 in Berth 411 and dredging occurred from 15:00 to 16:15 in Berth 410.
Monitoring Times: Background Parameters taken at 07:38; Compliance Parameters taken 08:05 to 15:40
Rounds of Sampling for Day: 3

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 8/25/08 = 8.89 NTU**
*** Background Station 1 = 13.9 NTU**
*** Background Station value of 13.9 NTU used to calculate trigger for sampling in Round 1 since it is higher than 90th Percentile value.**
13.9 NTU + 5.0 NTU = 18.9 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**

Station ID: Background Station Field Parameters taken at: 07:38

Water Depth (ft)		Parameters			
Depth to Bottom	70.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.57	21.82	4.1	7.20
Depth 2	35.0	7.46	21.82	5.5	7.15
Depth 3	67.0	7.03	21.74	13.9	7.14

Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 08:05

Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.19	22.03	4.4	7.13
Depth 2	25.0	7.00	21.97	9.5	7.11
Depth 3	47.0	6.79	21.95	45.2	7.11

Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 08:22

Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.16	22.03	5.4	7.11
Depth 2	23.0	6.95	21.96	9.8	7.09
Depth 3	43.0	6.69	21.85	16.0	7.09

Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 08:35

Water Depth (ft)		Parameters			
Depth to Bottom	47.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.22	22.02	6.1	7.13
Depth 2	23.5	7.07	22.00	7.6	7.10
Depth 3	44.0	6.95	21.89	12.6	7.11

Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 08:49

Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.27	21.99	5.9	7.12
Depth 2	23.0	7.17	22.01	6.5	7.11
Depth 3	43.0	7.05	21.91	11.2	7.10

Round 2					
Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 12:04					
Water Depth (ft)		Parameters			
Depth to Bottom	48.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.34	22.08	4.7	7.11
Depth 2	24.0	7.21	21.83	7.4	7.11
Depth 3	45.0	7.15	21.75	11.7	7.10
Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 12:15					
Water Depth (ft)		Parameters			
Depth to Bottom	48.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.21	22.07	5.3	7.09
Depth 2	24.0	6.92	21.97	16.1	7.06
Depth 3	45.0	7.15	21.83	14.2	7.08
Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 12:25					
Water Depth (ft)		Parameters			
Depth to Bottom	43.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.26	22.11	5.7	7.10
Depth 2	21.5	7.02	21.96	12.1	7.07
Depth 3	40.0	7.20	21.78	11.1	7.08
Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 12:35					
Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.54	22.24	5.9	7.15
Depth 2	23.0	7.14	21.90	10.4	7.07
Depth 3	43.0	7.19	21.78	11.2	7.07
Station ID: S3M-E Early Warning for Turbidity taken at: 12:45					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.73	21.96	5.1	7.12
Depth 2	28.5	7.34	21.78	6.4	7.08
Depth 3	54.0	7.18	21.70	9.9	7.10
Station ID: S3M-S Compliance Location for Turbidity taken at: 12:55					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.61	22.07	5.1	7.11
Depth 2	28.5	7.41	21.72	6.2	7.08
Depth 3	54.0	7.24	21.07	8.6	7.09
Station ID: S3M-M Compliance Location for Turbidity taken at: 13:00					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.52	21.94	5.9	7.08
Depth 2	29.0	7.42	21.73	5.4	7.08
Depth 3	55.0	7.26	21.69	8.3	7.09
Station ID: S3M-N Compliance Location for Turbidity taken at: 13:10					
Water Depth (ft)		Parameters			
Depth to Bottom	33.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.53	21.91	5.7	7.08
Depth 2	16.5	7.47	21.76	5.7	7.06
Depth 3	30.0	7.29	21.75	9.7	7.07

Round 3					
Station ID: S3A-E Early Warning Station for All Field Parameters Except Turbidity taken at: 15:10					
Water Depth (ft)		Parameters			
Depth to Bottom	51.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.46	22.25	7.8	7.09
Depth 2	25.5	7.14	21.77	12.2	7.05
Depth 3	48.0	7.07	26.70	13.4	7.03
Station ID: S3A-M Compliance for All Field Parameters Except Turbidity taken at: 15:20					
Water Depth (ft)		Parameters			
Depth to Bottom	45.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.66	22.09	5.6	7.06
Depth 2	22.5	7.12	21.82	9.9	7.04
Depth 3	42.0	7.20	21.72	9.2	7.04
Station ID: S3A-S Compliance for All Field Parameters Except Turbidity taken at: 15:30					
Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.76	22.17	7.0	7.06
Depth 2	20.5	7.26	21.82	8.7	7.04
Depth 3	38.0	7.18	21.70	11.1	7.04
Station ID: S3A-N Compliance for All Field Parameters Except Turbidity taken at: 15:40					
Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.08	22.00	8.8	7.02
Depth 2	20.5	7.27	21.78	7.7	7.03
Depth 3	38.0	7.26	21.75	7.4	7.04

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 8/26/2008
Construction Activity: Berth 411 dredging and Berth 410 dredging
Construction Activity Times: Dreding occurred from approximately 6:30 to 07:30 in Berth 411 and dredging occurred in Berth 410 from 07:30 to 13:30
Monitoring Times: Background Parameters taken at 07:00; Compliance Parameters taken from 08:15 to 13:00
Rounds of Sampling for Day: 2

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 8/26/08 = 9.32 NTU**
*** Background Station 1 = 10.3 NTU**
*** Background Station value of 10.3 NTU used to calculate trigger for sampling in Round 1 since it is higher than 90th Percentile Turbidity value.**
10.3 NTU + 5.0 NTU = 15.3 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**

Station ID: BG-01R Background Station Field Parameters taken at: 07:00

Water Depth (ft)		Parameters			
Depth to Bottom	71.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.86	21.38	4.2	7.25
Depth 2	35.5	7.65	21.32	6.8	7.18
Depth 3	68.0	7.51	21.30	10.3	7.16

Station ID: 410-E Early Warning Station Field Parameters taken at: 08:15

Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.32	21.37	6.1	7.20
Depth 2	20.5	7.16	21.50	5.7	7.15
Depth 3	38.0	7.09	21.55	6.7	7.16

Station ID: 410-S South Station Parameters taken at: 08:30

Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.35	21.54	6.4	7.18
Depth 2	21.0	7.21	21.54	5.8	7.16
Depth 3	39.0	7.16	21.53	6.3	7.16

Station ID: 410-M Middle Station Parameters taken at: 08:35

Water Depth (ft)		Parameters			
Depth to Bottom	48.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.32	21.53	7.4	7.16
Depth 2	24.0	7.20	21.55	7.0	7.14
Depth 3	45.0	7.14	21.54	7.6	7.14

Station ID: 410-N North Station Parameters taken at: 08:45

Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.42	21.40	10.6	7.17
Depth 2	20.5	7.16	21.52	8.4	7.12
Depth 3	38.0	7.09	21.52	9.2	7.11

Round 2					
Station ID: 410-E Early Warning Station Parameters taken at: 12:30					
Water Depth (ft)		Parameters			
Depth to Bottom	56.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.43	21.69	10.5	7.11
Depth 2	28.0	7.12	21.50	8.8	7.10
Depth 3	53.0	7.35	21.37	8.9	7.12
Station ID: 410-S South Station Parameters taken at: 12:40					
Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.59	22.10	5.8	7.12
Depth 2	27.5	7.31	21.41	8.5	7.09
Depth 3	52.0	7.38	21.37	9.1	7.10
Station ID: 410-M Middle Station Parameters taken at: 12:50					
Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.41	21.76	6.5	7.09
Depth 2	21.0	7.08	21.55	8.2	7.05
Depth 3	39.0	7.57	21.27	7.1	7.11
Station ID: 410-N North Station Parameters taken at: 13:00					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.65	21.94	5.8	7.14
Depth 2	20.0	7.17	21.54	7.6	7.04
Depth 3	37.0	7.46	21.37	9.1	7.08

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 08/27/2008
Construction Activity: Berth 410
Construction Activity Times: Dredging occurred from 06:15 to 17:15
Monitoring Times: Background Parameters taken at 09:20; Compliance Parameters taken from 09:45 to 10:15
Rounds of Sampling for Day: 1

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 8/27/08 = 9.11 NTU**
*** Background Station 1 = 6.6 NTU**
*** 90th Percentile Turbidity value of 9.11 NTU used to calculate trigger for sampling in Round 1 since it is higher than Background Station 1 value.**
9.11 NTU + 5.0 NTU = 14.11 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**

Station ID: BG-01R Background Station Field Parameters taken at: 09:20

Water Depth (ft)		Parameters			
Depth to Bottom	68.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.08	21.09	4.0	7.28
Depth 2	34.0	7.98	20.93	3.4	7.22
Depth 3	65.0	7.86	20.70	6.6	7.24

Station ID: 410-E Early Warning Station for All Field Parameters Except Turbidity taken at: 09:45

Water Depth (ft)		Parameters			
Depth to Bottom	43.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.67	21.14	5.9	7.26
Depth 2	21.5	7.44	21.23	20.5	7.20
Depth 3	40.0	7.40	21.19	12.1	7.20

Station ID: 410-N Compliance for All Field Parameters Except Turbidity taken at: 10:00

Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.29	21.20	4.5	7.28
Depth 2	20.0	7.75	21.13	5.0	7.23
Depth 3	37.0	7.74	21.06	7.2	7.22

Station ID: 410-M Compliance for All Field Parameters Except Turbidity taken at: 10:10

Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.44	21.23	5.7	7.25
Depth 2	23.0	7.74	21.13	5.3	7.23
Depth 3	43.0	7.70	21.04	8.4	7.21

Station ID: 410-S Compliance for All Field Parameters Except Turbidity taken at: 10:15

Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.28	21.27	7.1	7.22
Depth 2	20.5	7.55	21.26	6.2	7.21
Depth 3	38.0	7.64	21.14	7.2	7.21

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 08/28/2008
Construction Activity: Berth 410 dredging and Berth 411 clean up dredging
Construction Activity Times: Dredging occurred from 06:30 to 15:45, 30 mintues alloted to Berth 411 clean up
Monitoring Times: Background Parameters taken at 10:00; Compliance Parameters taken from 10:10 to 10:30
Rounds of Sampling for Day: 1

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 8/28/08 = 10.2 NTU**
*** Background Station 1 = 14.0 NTU**
*** Background Station value of 14.0 NTU used to calculate trigger for sampling in Round 1 since it is higher than 90th Percentile value.**
14.0 NTU + 5.0 NTU = 19.0 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**

Station ID: BG-01R Background Station Field Parameters taken at: 10:00

Water Depth (ft)		Parameters			
Depth to Bottom	65.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.93	20.46	14.0	7.21
Depth 2	32.0	7.86	20.32	10.8	7.20
Depth 3	62.0	7.77	20.19	13.2	7.20

Station ID: 410-E Early Warning Station for All Field Parameters Except Turbidity taken at: 10.10

Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.66	20.74	8.1	7.22
Depth 2	20.0	7.68	20.52	10.5	7.22
Depth 3	37.0	7.67	20.48	12.8	7.22

Station ID: 410-N Compliance for All Field Parameters Except Turbidity taken at: 10:18

Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.01	20.77	9.3	7.23
Depth 2	20.0	7.67	20.65	8.2	7.22
Depth 3	37.0	7.70	20.39	17.9	7.22

Station ID: 410-M Compliance for All Field Parameters Except Turbidity taken at: 10:25

Water Depth (ft)		Parameters			
Depth to Bottom	47.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.78	20.62	11.2	7.24
Depth 2	24.0	7.73	20.48	10.7	7.22
Depth 3	44.0	7.69	20.34	12.8	7.23

Station ID: 410-S Compliance for All Field Parameters Except Turbidity taken at: 10:30

Water Depth (ft)		Parameters			
Depth to Bottom	48.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.81	20.80	10.7	7.23
Depth 2	24.0	7.72	20.42	10.1	7.24
Depth 3	45.0	7.77	20.26	9.1	7.23

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 8/29/2008
Construction Activity: Berth 410 dredging
Construction Activity Times: Dredging occurred from 9:30 to 12:30
Monitoring Times: Background Parameters taken at 12:00; Compliance Parameters taken from 12:20 to 12:33
Rounds of Sampling for Day: 1

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 8/29/08 = 10.2 NTU**
*** Background Station 1 = 11.1 NTU**
*** Background Station value of 11.1 NTU used to calculate trigger for sampling in Round 1 since it is higher than 90th Percentile value.**
11.1 NTU + 5.0 NTU = 16.1 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**

Station ID: BG-01R Background Station Field Parameters taken at: 12:00

Water Depth (ft)		Parameters			
Depth to Bottom	67.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.99	20.93	2.1	7.23
Depth 2	33.0	7.93	20.15	2.1	7.26
Depth 3	64.0	7.72	19.83	11.1	7.24

Station ID: 410-E Early Warning Station Field Parameters taken at: 12:20

Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.76	20.97	4.2	7.21
Depth 2	27.0	7.78	20.30	3.9	7.24
Depth 3	52.0	7.68	20.20	4.4	7.23

Station ID: 410-N North Station Parameters taken at: 12:25

Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.80	20.76	4.8	7.26
Depth 2	19.0	7.79	20.25	5.4	7.24
Depth 3	35.0	7.75	20.16	5.6	7.24

Station ID: 410-M Middle Station Parameters taken at: 12:28

Water Depth (ft)		Parameters			
Depth to Bottom	59.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.63	20.83	6.6	7.23
Depth 2	30.0	7.76	20.11	6.4	7.24
Depth 3	56.0	7.66	20.06	11.0	7.24

Station ID: 410-S South Station Parameters taken at: 12:33

Water Depth (ft)		Parameters			
Depth to Bottom	48.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.62	20.58	6.9	7.21
Depth 2	24.0	7.69	20.36	5.3	7.24
Depth 3	45.0	7.75	19.99	8.2	7.24

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09/02/2008
Construction Activity: Berth 410 dredging
Construction Activity Times: Dredging occurred from 06:30 to 15:00
Monitoring Times: Background Parameters taken at 11:20 and at 15:45; Compliance Parameters taken from 15:10 to 15:20 and from 15:50 to 16:05
Rounds of Sampling for Day: 1

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 9/2/08 = 10.27 NTU**
*** Background Station 1 @ 11:20 = 9.0 NTU; Background Station 1 @ 15:45 = 11.8**
*** 90th Percentile value of 10.27 NTU used to calculate trigger for sampling in Round 1 from 15:00 to 15:20 since it is higher than Background Station value; Background Station value of 11.8 NTU used to calculate trigger for sampling in Round 1 from 15:50 to 16:05 since it is higher than 90th Percentile value.**
10.27 NTU + 5.0 NTU = 15.27 NTU Turbidity Trigger; 11.8 NTU + 5.0 NTU = 16.8 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**

Station ID: BG-01R Background Station Field Parameters taken at: 11:20

Water Depth (ft)		Parameters			
Depth to Bottom	70.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.01	19.43	4.9	7.23
Depth 2	35.0	7.83	19.37	5.8	7.25
Depth 3	67.0	7.72	19.37	9.0	7.26

Station ID: 410-E Early Warning Station for All Field Parameters taken at: 15:00

Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.09	19.65	6.0	7.23
Depth 2	20.0	7.94	19.54	6.0	7.23
Depth 3	37.0	7.90	19.44	7.1	7.25

Station ID: 410-N North Station for All Field Parameters taken at: 15:10

Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.61	19.72	6.6	7.23
Depth 2	20.0	8.02	19.62	5.6	7.24
Depth 3	37.0	7.93	19.44	6.5	7.22

Station ID: 410-M Middle Station for All Field Parameters taken at: 15:15

Water Depth (ft)		Parameters			
Depth to Bottom	56.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.55	19.90	6.0	7.24
Depth 2	28.0	7.97	19.65	5.7	7.24
Depth 3	53.0	7.74	19.43	10.5	7.24

Station ID: 410-S South Station for All Field Parameters taken at: 15:20

Water Depth (ft)		Parameters			
Depth to Bottom	63.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.26	19.90	4.5	7.28
Depth 2	31.5	7.80	19.40	9.0	7.22
Depth 3	60.0	7.58	19.40	21.0	7.08

Station ID: BG-01R Background Station Field Parameters taken at: 15:45					
Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.17	19.77	4.8	7.31
Depth 2	27.0	7.87	19.44	9.0	7.22
Depth 3	52.0	7.66	19.39	11.8	7.22
Station ID: S3M-S South Compliance Station for All Field Parameters taken at: 15:50					
Water Depth (ft)		Parameters			
Depth to Bottom	64.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.26	20.09	5.3	7.29
Depth 2	32.0	7.93	19.44	9.0	7.23
Depth 3	61.0	7.70	19.40	10.4	7.21
Station ID: S3M-M Compliance for All Field Parameters taken at: 16:00					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.58	19.98	5.3	7.28
Depth 2	28.5	8.00	19.45	7.7	7.21
Depth 3	54.0	7.72	19.39	12.9	7.19
Station ID: S3M-N Compliance for All Field Parameters taken at: 16:05					
Water Depth (ft)		Parameters			
Depth to Bottom	31.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.23	19.88	7.3	7.28
Depth 2	15.0	8.15	19.54	7.2	7.22
Depth 3	28.0	7.83	19.45	7.9	7.20

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09/03/2008
Construction Activity: Berth 410 Dredging
Construction Activity Times: Dredging occurred from 06:30 to 15:00
Monitoring Times: Background Parameters taken at 09:45; Compliance Parameters taken from 11:40 to 11:50
Rounds of Sampling for Day: 1

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 9/3/08 = 10.24 NTU**
*** Background Station 1 = 10.30 NTU**
*** Background Station value of 10.30 NTU used to calculate trigger for sampling in Round 1 since it is higher than 90th Percentile value.**
10.30 NTU + 5.0 NTU = 15.30 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**

Station ID: BG-01R Background Station Field Parameters taken at: 09:45

Water Depth (ft)		Parameters			
Depth to Bottom	70.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.84	19.44	5.6	7.24
Depth 2	35.0	7.70	19.45	6.1	7.28
Depth 3	67.0	7.55	19.45	10.3	7.29

Station ID: 410-E Early Warning Station for All Field Parameters taken at: 11:30

Water Depth (ft)		Parameters			
Depth to Bottom	53.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.74	19.47	3.6	7.35
Depth 2	26.5	7.72	19.43	4.2	7.74
Depth 3	50.0	7.59	19.44	15.5	7.29

Station ID: 410-N North Station for All Field Parameters taken at: 11:40

Water Depth (ft)		Parameters			
Depth to Bottom	60.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.34	19.43	6.0	7.30
Depth 2	30.0	7.78	19.43	5.0	7.29
Depth 3	57.0	7.67	19.44	6.8	7.29

Station ID: 410-M Middle Station for All Field Parameters taken at: 11:45

Water Depth (ft)		Parameters			
Depth to Bottom	67.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.36	19.61	5.0	7.31
Depth 2	35.0	7.80	19.41	5.8	7.71
Depth 3	64.0	7.61	19.44	14.0	7.28

Station ID: 410-S South Station for All Field Parameters taken at: 11:50

Water Depth (ft)		Parameters			
Depth to Bottom	68.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.42	19.62	7.3	7.31
Depth 2	34.0	7.75	19.41	8.2	7.27
Depth 3	65.0	7.58	19.43	12.5	7.20

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09/04/2008
Construction Activity: Berth 410 Dredging
Construction Activity Times: Dredging occurred from 08:30 to 16:45
Monitoring Times: Background Parameters taken at 09:55; Compliance Parameters taken from 11:10 to 11:20
Rounds of Sampling for Day: 1

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 9/4/08 = 10.30 NTU**
*** Background Station 1 = 9.0 NTU**
*** 90th Percentile value of 10.30 NTU used to calculate trigger for sampling in Round 1 since it is higher than the Background Station value.**
10.30NTU + 5.0 NTU = 15.30 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**

Station ID: BG-01R Background Station Field Parameters taken at: 09:55

Water Depth (ft)		Parameters			
Depth to Bottom	72.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.18	19.45	4.8	7.20
Depth 2	36.0	8.06	19.32	4.0	7.26
Depth 3	69.0	7.98	19.27	9.0	7.27

Station ID: 410-E Early Warning Station for All Field Parameters taken at: 11:00

Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.65	19.44	7.2	7.29
Depth 2	20.0	7.91	19.44	6.5	7.30
Depth 3	37.0	7.84	19.44	7.6	7.28

Station ID: 410-M Middle Station for All Field Parameters taken at: 11:10

Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.78	19.57	4.8	7.32
Depth 2	22.0	8.08	19.38	5.5	7.30
Depth 3	41.0	7.97	19.33	8.0	7.30

Station ID: 410-N North Station for All Field Parameters taken at: 11:15

Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.31	19.55	5.1	7.30
Depth 2	19.0	8.07	19.35	5.6	7.29
Depth 3	35.0	8.03	19.31	7.1	7.30

Station ID: 410-S South Station for All Field Parameters taken at: 11:20

Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.20	19.40	7.1	7.30
Depth 2	27.5	8.01	19.37	6.9	7.30
Depth 3	52.0	7.92	19.28	7.1	7.31

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09/05/2008
Construction Activity: Berth 410 dredging
Construction Activity Times: Dredging occurred from 06:30 to 17:05
Monitoring Times: Background Parameters taken at 10:10; Compliance Parameters taken from 10:35 to 11:20
Rounds of Sampling for Day: 1

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 9/5/08 = 10.28 NTU**
*** Background Station 1 = 10.50 NTU**
*** Background Station value of 10.5 NTU used to calculate trigger for sampling in Round 1 since it is higher than 90th Percentile value.**
10.50 NTU + 5.0 NTU = 15.50 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**

Station ID: BG-01R Background Station Field Parameters taken at: 10:10

Water Depth (ft)		Parameters			
Depth to Bottom	68.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.19	19.35	6.4	7.31
Depth 2	34.0	8.04	19.17	9.2	7.28
Depth 3	65.0	7.98	19.15	10.5	7.28

Station ID: 410-E Early Warning Station for All Field Parameters taken at: 10:25

Water Depth (ft)		Parameters			
Depth to Bottom	48.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.06	19.42	5.7	7.31
Depth 2	24.0	7.88	19.27	11.0	7.26
Depth 3	45.0	7.71	19.28	35.3	7.24

Station ID: 410-N North Station for All Field Parameters taken at:10:35

Water Depth (ft)		Parameters			
Depth to Bottom	34.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.96	19.40	7.3	7.30
Depth 2	17.0	7.84	19.31	17.4	7.24
Depth 3	31.0	7.84	19.25	26.2	7.25

Station ID: 410-M Middle Station for All Field Parameters taken at: 10:45

Water Depth (ft)		Parameters			
Depth to Bottom	51.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.12	19.31	8.4	7.37
Depth 2	25.0	8.05	19.25	7.8	7.29
Depth 3	48.0	7.95	19.19	12.4	7.29

Station ID: 410-S South Station for All Field Parameters taken at: 10:55					
Water Depth (ft)		Parameters			
Depth to Bottom	51.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.21	19.42	7.5	7.36
Depth 2	25.0	8.07	19.23	7.0	7.28
Depth 3	48.0	7.94	19.17	11.5	7.28
Station ID: S3M-S South Compliance Station for All Field Parameters taken at: 11:00					
Water Depth (ft)		Parameters			
Depth to Bottom	56.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.26	19.44	8.3	7.37
Depth 2	28.0	8.07	19.22	8.4	7.29
Depth 3	53.0	7.93	19.16	13.2	7.27
Station ID: S3M-M Middle Compliance Station for All Field Parameters taken at: 11:10					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.14	19.44	7.6	7.31
Depth 2	29.0	8.04	19.23	8.8	7.28
Depth 3	55.0	7.94	19.18	13.4	7.28
Station ID: S3M-N North Compliance Station for All Field Parameters taken at: 11:20					
Water Depth (ft)		Parameters			
Depth to Bottom	31.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.01	19.36	10.6	7.30
Depth 2	15.0	7.95	19.33	10.3	7.26
Depth 3	28.0	8.00	19.23	9.3	7.27

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09/06/2008
Construction Activity: Berth 410 dredging
Construction Activity Times: Dredging occurred from 06:30 to 15:30
Monitoring Times: Background Parameters taken at 10:40; Compliance Parameters taken from 11:00 to 11:20
Rounds of Sampling for Day: 1

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 9/6/08 = 10.30 NTU**
*** Background Station 1 = 8.3 NTU**
*** 90th Percentile value of 10.30 NTU used to calculate trigger for sampling in Round 1 since it is higher than the Background Station value.**
10.30 NTU + 5.0 NTU = 15.30 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**

Station ID: BG-01R Background Station Field Parameters taken at: 10:40

Water Depth (ft)		Parameters			
Depth to Bottom	68.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.21	19.09	4.9	7.19
Depth 2	34.0	8.23	19.02	4.7	7.26
Depth 3	65.0	8.11	19.00	8.3	7.22

Station ID: 410-E Early Warning Station for All Field Parameters taken at: 10:50

Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.99	19.18	11.1	7.23
Depth 2	25.0	7.99	19.12	13.0	7.22
Depth 3	47.0	7.97	19.11	15.3	7.23

Station ID: 410-M Middle Station for All Field Parameters taken at: 11:00

Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.98	19.24	9.3	7.24
Depth 2	28.0	8.07	19.11	5.5	7.24
Depth 3	54.0	8.05	19.05	10.2	7.24

Station ID: 410-S South Station for All Field Parameters taken at: 11:10

Water Depth (ft)		Parameters			
Depth to Bottom	64.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.04	19.24	5.3	7.26
Depth 2	32.0	8.08	19.12	5.5	7.25
Depth 3	61.0	8.05	19.04	6.9	7.25

Station ID: 410-N North Station for All Field Parameters taken at: 11:20

Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.12	19.19	7.4	7.27
Depth 2	21.0	7.93	19.23	9.6	7.21
Depth 3	39.0	8.01	19.10	10.5	7.22

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09/08/2008
Construction Activity: Berth 410 dredging
Construction Activity Times: Dredging occurred from 07:30 to 08:45
Monitoring Times: Background Parameters taken at 07:30; Compliance Parameters taken from 07:50 to 08:26
Rounds of Sampling for Day: 2

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 9/8/08 = 10.30 NTU**
*** Background Station 1 = 7.5 NTU**
*** 90th Percentile value of 10.30 NTU used to calculate trigger for sampling in Round 1 since it is higher than Background Station value.**
10.30 NTU + 5.0 NTU = 15.30 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**

Station ID: BG-01R Background Station Field Parameters taken at: 07:30

Water Depth (ft)		Parameters			
Depth to Bottom	65.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.52	18.94	3.7	7.31
Depth 2	32.0	8.43	18.89	3.2	7.38
Depth 3	62.0	8.30	18.86	7.5	7.37

Station ID: 410-E Early Warning Station for All Field Parameters taken at: 07:40

Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.31	19.10	3.0	7.34
Depth 2	20.0	8.24	19.11	2.6	7.33
Depth 3	38.0	8.22	19.02	4.4	7.34

Station ID: 410-N North Station for All Field Parameters taken at: 07:50

Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.48	19.08	4.3	7.35
Depth 2	20.0	8.34	19.02	4.5	7.34
Depth 3	38.0	8.26	18.96	5.4	7.36

Station ID: 410-M Middle Station for All Field Parameters taken at: 07:55

Water Depth (ft)		Parameters			
Depth to Bottom	47.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.41	19.08	3.8	7.35
Depth 2	23.0	8.33	19.01	4.6	7.35
Depth 3	44.0	8.20	18.95	7.7	7.36

Station ID: 410-S South Station for All Field Parameters taken at: 08:00

Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.65	19.09	3.8	7.33
Depth 2	25.0	8.22	19.04	4.3	7.35
Depth 3	47.0	8.23	18.92	6.1	7.77

Round 2					
Station ID: 410-N North Station for All Field Parameters taken at:08:15					
Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.36	19.11	3.8	7.33
Depth 2	21.0	8.25	19.00	4.6	7.34
Depth 3	39.0	8.17	18.98	5.4	7.36
Station ID: 410-M Middle Station for All Field Parameters taken at: 08:21					
Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.25	19.11	3.7	7.36
Depth 2	23.0	8.27	18.92	6.5	7.36
Depth 3	43.0	8.22	18.92	8.1	7.35
Station ID: 410-S South Station for All Field Parameters taken at: 08:26					
Water Depth (ft)		Parameters			
Depth to Bottom	47.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.44	19.10	3.6	7.35
Depth 2	24.0	8.20	19.10	3.3	7.33
Depth 3	44.0	8.22	18.91	6.6	7.38

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09/10/2008
Construction Activity: Berth 414 clean-up dredging
Construction Activity Times: Dredging occurred from 14:10 to 14:30
Monitoring Times: Background Parameters taken at 14:20; Compliance Parameters taken from 14:52 to 15:05
Rounds of Sampling for Day: 1

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 9/10/08 = 10.29 NTU**
*** Background Station 1 = 7.4 NTU**
*** 90th Percentile value of 10.29 NTU used to calculate trigger for sampling in Round 1 since it is higher than Background Station value.**
10.29 NTU + 5.0 NTU = 15.29 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**

Station ID: BG-01R Background Station Field Parameters taken at: 14:20

Water Depth (ft)		Parameters			
Depth to Bottom	74.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.47	18.82	3.4	7.25
Depth 2	37.0	8.31	18.57	3.7	7.27
Depth 3	71.0	8.17	18.52	7.4	7.25

Station ID: 414-E Early Warning Station for All Field Parameters taken at: 14:40

Water Depth (ft)		Parameters			
Depth to Bottom	52.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.57	19.26	2.7	7.34
Depth 2	26.0	8.36	18.68	2.6	7.27
Depth 3	49.0	8.24	18.58	3.5	7.31

Station ID: 414-N North Station for All Field Parameters taken at: 14:52

Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.49	19.30	3.3	7.34
Depth 2	20.0	8.49	18.72	2.8	7.32
Depth 3	38.0	8.34	18.60	3.2	7.31

Station ID: 414-M Middle Station for All Field Parameters taken at: 14:57

Water Depth (ft)		Parameters			
Depth to Bottom	54.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.58	18.74	4.9	7.32
Depth 2	27.0	8.37	18.71	4.6	7.34
Depth 3	51.0	8.25	18.59	8.8	7.32

Station ID: 414-S South Station for All Field Parameters taken at: 15:05

Water Depth (ft)		Parameters			
Depth to Bottom	54.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.67	18.92	4.5	7.38
Depth 2	27.0	8.33	18.70	21.6	7.32
Depth 3	51.0	8.21	18.70	37.3	7.34

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09/12/2008
Construction Activity: S3B Capping
Construction Activity Times: Capping activity occurred from 09:55 to 14:45
Monitoring Times: Background Parameters taken at 10:10; Compliance Parameters taken from 11:24 to 13:45
Rounds of Sampling for Day: 3

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 9/12/08 = 10.26 NTU**
*** Background Station 1 = 7.6 NTU**
*** 90th Percentile value of 10.26 NTU used to calculate trigger for sampling in Round 1 since it is higher than Background Station value.**
10.26 NTU + 5.0 NTU = 15.26 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**				
Station ID: BG-01R Background Station Field Parameters taken at: 10:10					
Water Depth (ft)		Parameters			
Depth to Bottom	66.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.07	18.78	4.9	7.23
Depth 2	33.0	8.77	18.70	5.5	7.29
Depth 3	63.0	8.64	18.68	7.6	7.27
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 11:10					
Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.90	19.14	2.2	7.36
Depth 2	25.0	8.59	18.83	4.6	7.31
Depth 3	47.0	7.67	18.75	66.8	7.02
Station ID: S3B-S South Station for All Field Parameters taken at: 11:24					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.78	18.97	3.1	7.33
Depth 2	20.0	8.65	18.86	5.3	7.30
Depth 3	37.0	8.52	18.83	6.9	7.30
Station ID: S3B-M Middle Station for All Field Parameters taken at: 11:27					
Water Depth (ft)		Parameters			
Depth to Bottom	39.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.84	19.06	4.3	7.37
Depth 2	19.0	8.66	18.84	4.5	7.31
Depth 3	36.0	8.61	18.78	4.9	7.34
Station ID: S3B-N North Station for All Field Parameters taken at: 11:34					
Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.84	19.01	2.9	7.35
Depth 2	22.0	8.57	18.81	3.5	7.30
Depth 3	41.0	8.43	18.78	14.9	7.25

Round 2					
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 11:44					
Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.96	19.06	4.2	7.37
Depth 2	25.0	8.65	18.81	5.5	7.32
Depth 3	47.0	8.44	18.84	64.6	7.12
Station ID: S3B-S South Station for All Field Parameters taken at: 11:52					
Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.11	19.06	4.1	7.42
Depth 2	19.0	8.73	18.84	4.5	7.32
Depth 3	35.0	8.59	18.77	5.9	7.30
Station ID: S3B-M Middle Station for All Field Parameters taken at: 11:57					
Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.94	18.97	4.3	7.43
Depth 2	19.0	8.72	18.81	4.4	7.34
Depth 3	35.0	8.64	18.77	6.3	7.31
Station ID: S3B-N North Station for All Field Parameters taken at: 12:10					
Water Depth (ft)		Parameters			
Depth to Bottom	43.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.76	19.00	3.5	7.37
Depth 2	21.5	8.57	18.83	6.3	7.32
Depth 3	40.0	8.53	18.87	33.7	7.32
Station ID: S3M-E Early Warning Compliance Station for All Field Parameters taken at: 12:41					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.12	19.25	3.1	7.35
Depth 2	28.5	8.85	18.79	3.6	7.32
Depth 3	54.0	8.76	18.77	4.2	7.32
Station ID: S3M-M Middle Compliance Station for All Field Parameters taken at: 12:47					
Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.14	19.23	3.8	7.39
Depth 2	27.0	8.81	18.78	4.3	7.31
Depth 3	52.0	8.67	18.73	5.1	7.32
Station ID: S3M-S South Compliance Station for All Field Parameters taken at: 12:52					
Water Depth (ft)		Parameters			
Depth to Bottom	53.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.10	19.06	3.9	7.40
Depth 2	27.0	8.83	18.76	4.6	7.35
Depth 3	50.0	8.67	18.73	5.8	7.34
Station ID: S3M-N North Compliance Station for All Field Parameters taken at: 12:58					
Water Depth (ft)		Parameters			
Depth to Bottom	29.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.17	19.18	3.6	7.42
Depth 2	15.0	8.94	18.80	3.7	7.35
Depth 3	26.0	8.85	18.79	4.5	7.32
Round 3					

Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 13:05

Water Depth (ft)		Parameters			
Depth to Bottom	39.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.84	19.15	3.1	7.33
Depth 2	19.5	8.68	18.94	3.3	7.30
Depth 3	36.0	8.59	18.81	5.6	7.30

Station ID: S3B-S South Station for All Field Parameters taken at: 13:12

Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.01	19.14	4.4	7.38
Depth 2	20.0	8.84	18.95	4.3	7.31
Depth 3	37.0	8.59	18.80	5.6	7.24

Station ID: S3B-M Middle Station for All Field Parameters taken at: 13:14

Water Depth (ft)		Parameters			
Depth to Bottom	39.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.99	19.50	3.4	7.38
Depth 2	19.5	8.71	18.83	4.o	7.31
Depth 3	36.0	8.61	18.79	7.4	7.32

Station ID: S3B-N North Station for All Field Parameters taken at: 13:22

Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.92	19.28	3.9	7.39
Depth 2	22.0	8.63	18.92	5.2	7.30
Depth 3	40.0	8.52	18.89	24.8	7.32

Station ID: S3M-E Early Warning Compliance Station for All Field Parameters taken at: 13:26

Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.18	19.04	3.8	7.44
Depth 2	28.0	8.82	18.76	4.1	7.36
Depth 3	54.0	8.70	18.74	5.6	7.36

Station ID: S3M-M Middle Compliance Station for All Field Parameters taken at: 13:34

Water Depth (ft)		Parameters			
Depth to Bottom	56.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.14	19.05	3.9	7.46
Depth 2	28.0	8.80	18.75	4.4	7.37
Depth 3	53.0	8.66	18.74	5.3	7.35

Station ID: S3M-S South Compliance Station for All Field Parameters taken at: 13:39

Water Depth (ft)		Parameters			
Depth to Bottom	53.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.15	19.12	3.7	7.43
Depth 2	27.0	8.81	18.76	4.3	7.37
Depth 3	50.0	8.69	18.74	5.0	7.35

Station ID: S3M-N North Compliance Station for All Field Parameters taken at: 13:45

Water Depth (ft)		Parameters			
Depth to Bottom	31.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.23	19.47	3.1	7.47
Depth 2	15.5	8.94	18.87	3.8	7.38
Depth 3	28.0	8.87	18.83	4.4	7.38

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09/13/2008
Construction Activity: S3B Capping
Construction Activity Times: Capping activity occurred from 07:15 to 11:30
Monitoring Times: Background Parameters taken at 07:05; Compliance Parameters taken from 07:50 to 12:10
Rounds of Sampling for Day: 3

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 9/13/08 = 10.23 NTU**
*** Background Station 1 = 5.9 NTU**
*** 90th Percentile value of 10.23 NTU used to calculate trigger for sampling in Round 1 since it is higher than Background Station value.**
10.23 NTU + 5.0 NTU = 15.23 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**				

Station ID: BG-01R Background Station Field Parameters taken at: 07:05

Water Depth (ft)		Parameters			
Depth to Bottom	72.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.86	18.88	3.4	7.23
Depth 2	36.0	8.77	18.89	3.0	7.27
Depth 3	69.0	8.65	18.88	5.9	7.29

Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 07:45

Water Depth (ft)		Parameters			
Depth to Bottom	37.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.84	18.84	9.1	7.23
Depth 2	19.0	8.68	18.88	10.3	7.22
Depth 3	34.0	8.64	18.89	10.5	7.22

Station ID: S3B-S South Station for All Field Parameters taken at: 07:50

Water Depth (ft)		Parameters			
Depth to Bottom	43.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.86	18.85	7.8	7.23
Depth 2	21.0	8.74	18.88	8.6	7.21
Depth 3	40.0	8.65	18.87	8.7	7.22

Station ID: S3B-M Middle Station for All Field Parameters taken at: 08:00

Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.98	18.81	7.2	7.23
Depth 2	20.0	8.73	18.90	8.8	7.20
Depth 3	37.0	8.61	18.90	11.2	7.21

Station ID: S3B-N North Station for All Field Parameters taken at: 08:05

Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.77	18.85	6.4	7.26
Depth 2	22.0	8.73	18.89	7.5	7.20
Depth 3	41.0	8.59	18.89	11.5	7.17

Round 2					
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 08:15					
Water Depth (ft)		Parameters			
Depth to Bottom	37.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.90	18.80	12.3	7.22
Depth 2	18.0	8.73	18.88	11.8	7.21
Depth 3	34.0	8.65	18.88	27.8	7.21
Station ID: S3B-S South Station for All Field Parameters taken at: 08:25					
Water Depth (ft)		Parameters			
Depth to Bottom	42.3	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.87	18.86	6.7	7.25
Depth 2	21.0	8.74	18.87	8.1	7.21
Depth 3	39.0	8.62	18.89	10.4	7.16
Station ID: S3B-M Middle Station for All Field Parameters taken at: 08:30					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.76	18.86	7.4	7.25
Depth 2	20.0	8.75	18.88	8.5	7.20
Depth 3	37.0	8.67	18.88	11.5	7.23
Station ID: S3B-N North Station for All Field Parameters taken at: 09:15					
Water Depth (ft)		Parameters			
Depth to Bottom	45.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.95	18.84	12.5	7.26
Depth 2	22.0	8.71	18.87	13.0	7.24
Depth 3	42.0	8.61	18.84	16.1	7.24
Station ID: S3M-E Early Warning Station for All Field Parameters taken at: 09:30					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.97	18.87	4.3	7.28
Depth 2	29.0	8.87	18.87	4.4	7.24
Depth 3	55.0	8.65	18.87	7.6	7.27
Station ID: S3M-M Middle Station for All Field Parameters taken at: 09:35					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.01	18.89	4.5	7.29
Depth 2	28.0	8.85	18.89	4.9	7.26
Depth 3	54.0	8.73	18.87	6.5	7.27
Station ID: S3M-S South Station for All Field Parameters taken at: 09:40					
Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.05	18.87	4.9	7.28
Depth 2	27.0	8.86	18.88	5.4	7.25
Depth 3	52.0	8.73	18.87	4.9	7.27
Station ID: S3M-N North Station for All Field Parameters taken at: 09:45					
Water Depth (ft)		Parameters			
Depth to Bottom	33.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.98	18.89	5.2	7.27
Depth 2	16.0	8.87	18.88	4.9	7.24
Depth 3	30.0	8.81	18.88	5.4	7.25

Round 3					
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 09:50					
Water Depth (ft)		Parameters			
Depth to Bottom	36.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.88	18.84	8.6	7.30
Depth 2	18.0	8.76	18.87	10.6	7.25
Depth 3	33.0	8.67	18.50	17.7	7.25
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 11:10					
Water Depth (ft)		Parameters			
Depth to Bottom	35.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.97	18.94	5.8	7.31
Depth 2	17.0	8.90	18.92	6.5	7.25
Depth 3	32.0	8.76	18.90	53.9	7.27
Station ID: S3B-S South Station for All Field Parameters taken at: 11:15					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.06	19.10	8.3	7.33
Depth 2	20.0	9.05	18.90	23.3	7.24
Depth 3	37.0	8.65	18.92	22.1	7.20
Station ID: S3B-M Middle Station for All Field Parameters taken at: 11:20					
Water Depth (ft)		Parameters			
Depth to Bottom	37.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.37	18.96	5.3	7.34
Depth 2	18.0	8.85	18.89	9.8	7.24
Depth 3	34.0	8.66	18.90	39.7	7.25
Station ID: S3B-N North Station for All Field Parameters taken at: 11:25					
Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.32	18.92	8.8	7.32
Depth 2	21.0	8.88	18.91	9.3	7.24
Depth 3	39.0	8.67	18.90	17.3	7.22
Station ID: S3M-E Early Warning Station for All Field Parameters taken at: 11:55					
Water Depth (ft)		Parameters			
Depth to Bottom	54.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.31	19.15	2.7	7.35
Depth 2	27.0	9.11	18.90	2.6	7.27
Depth 3	51.0	8.75	18.91	7.4	7.24
Station ID: S3M-M Middle Station for All Field Parameters taken at: 12:00					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.60	19.17	3.8	7.35
Depth 2	28.0	9.11	18.91	4.0	7.26
Depth 3	54.0	8.74	18.89	5.4	7.28
Station ID: S3M-S South Station for All Field Parameters taken at: 12:02					
Water Depth (ft)		Parameters			
Depth to Bottom	52.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.14	19.22	3.6	7.36
Depth 2	26.0	9.08	18.93	4.3	7.26
Depth 3	49.0	8.72	18.91	6.3	7.26
Station ID: S3M-N North Station for All Field Parameters taken at: 12:10					
Water Depth (ft)		Parameters			
Depth to Bottom	31.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.26	19.19	4.0	7.35
Depth 2	15.0	9.13	18.94	3.8	7.26
Depth 3	28.0	8.87	18.91	5.3	7.26

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09/15/2008
Construction Activity: S3B Capping
Construction Activity Times: Capping occurred from 06:45 to 14:35
Monitoring Times: Background Parameters taken at 08:05; Compliance Parameters taken from 08:30 to 15:00
Rounds of Sampling for Day: 3

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 9/15/08 = 10.20 NTU**
*** Background Station 1 = 4.6 NTU**
*** 90th Percentile value of 10.20 NTU used to calculate trigger for sampling in Round 1 since it is higher than Background Station value.**
10.20 NTU + 5.0 NTU = 15.20 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**

Station ID: BG-01R Background Station Field Parameters taken at: 08:05

Water Depth (ft)		Parameters			
Depth to Bottom	68.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.82	19.14	3.8	7.23
Depth 2	34.0	8.91	19.14	4.0	7.31
Depth 3	65.0	8.68	19.14	4.6	7.32

Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 08:30

Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.86	19.19	3.2	7.26
Depth 2	19.0	8.68	19.21	3.2	7.26
Depth 3	35.0	8.62	19.21	7.0	7.29

Station ID: S3B-S South Station for All Field Parameters taken at: 08:35

Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.96	19.22	2.6	7.29
Depth 2	20.0	8.72	19.23	2.2	7.25
Depth 3	38.0	8.58	19.21	2.3	7.25

Station ID: S3B-M Middle Station for All Field Parameters taken at: 08:40

Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.90	19.22	5.1	7.30
Depth 2	19.0	8.73	19.22	12.5	7.27
Depth 3	35.0	8.58	19.22	17.5	7.30

Station ID: S3B-N North Station for All Field Parameters taken at: 08:45

Water Depth (ft)		Parameters			
Depth to Bottom	51.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.95	19.24	3.3	7.30
Depth 2	25.0	8.73	19.22	3.7	7.27
Depth 3	48.0	8.44	19.14	7.0	7.20

Station ID: S3M-E Early Warning Compliance Station for All Field Parameters taken at: 09:25					
Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.03	19.21	3.0	7.32
Depth 2	27.0	8.83	19.15	2.3	7.32
Depth 3	52.0	8.70	19.15	2.2	7.33
Station ID: S3M-M Middle Compliance Station for All Field Parameters taken at: 09:30					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.03	19.23	7.5	7.34
Depth 2	28.0	8.88	19.15	5.9	7.30
Depth 3	54.0	8.68	19.15	4.0	7.32
Station ID: S3M-S South Compliance Station for All Field Parameters taken at: 09:35					
Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.91	19.21	3.5	7.34
Depth 2	27.0	8.87	19.14	3.6	7.30
Depth 3	52.0	8.70	19.14	3.9	7.31
Station ID: S3M-N North Compliance Station for All Field Parameters taken at: 09:40					
Water Depth (ft)		Parameters			
Depth to Bottom	32.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.96	19.20	3.9	7.34
Depth 2	16.0	8.86	19.17	3.9	7.29
Depth 3	29.0	8.72	19.16	5.4	7.31
Round 2					
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 10:00					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.08	19.27	1.9	7.35
Depth 2	20.0	8.80	19.23	2.9	7.29
Depth 3	37.0	8.59	19.22	23.4	7.30
Station ID: S3B-S South Station for All Field Parameters taken at: 10:05					
Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.83	19.25	5.1	7.30
Depth 2	20.0	8.67	19.23	5.3	7.30
Depth 3	38.0	8.54	19.23	10.0	7.32
Station ID: S3B-M Middle Station for All Field Parameters taken at: 10:10					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.08	19.29	4.7	7.35
Depth 2	20.0	8.78	19.21	6.0	7.30
Depth 3	37.0	8.52	19.22	23.4	7.31
Station ID: S3B-N North Station for All Field Parameters taken at: 10:20					
Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.96	19.35	3.2	7.34
Depth 2	23.0	8.84	19.24	10.4	7.29
Depth 3	43.0	8.60	19.23	17.9	7.29

Station ID: S3M-E Early Warning Compliance Station for All Field Parameters taken at: 10:25					
Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.88	19.27	3.2	7.29
Depth 2	27.0	8.86	19.15	3.4	7.30
Depth 3	52.0	8.73	19.13	5.2	7.32

Station ID: S3M-M Middle Compliance Station for All Field Parameters taken at: 10:30					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.22	19.33	2.7	7.38
Depth 2	29.0	8.95	19.15	3.9	7.32
Depth 3	55.0	8.74	19.14	4.8	7.32

Station ID: S3M-S South Compliance Station for All Field Parameters taken at: 10:35					
Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.27	19.28	4.0	7.41
Depth 2	27.0	8.86	19.15	4.8	7.32
Depth 3	52.0	8.71	19.13	5.1	7.32

Station ID: S3M-N North Compliance Station for All Field Parameters taken at: 10:40					
Water Depth (ft)		Parameters			
Depth to Bottom	32.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.25	19.20	4.9	7.40
Depth 2	16.0	8.91	19.16	4.7	7.31
Depth 3	29.0	8.80	19.15	5.8	7.32

Round 3

Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 14:10					
Water Depth (ft)		Parameters			
Depth to Bottom	37.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.84	19.90	7.1	7.36
Depth 2	18.0	8.63	19.34	8.9	7.28
Depth 3	34.0	8.56	19.31	28.6	7.29

Station ID: S3B-S South Station for All Field Parameters taken at: 14:20					
Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.02	19.79	4.6	7.40
Depth 2	20.0	8.63	19.32	10.5	7.28
Depth 3	38.0	8.54	19.33	11.4	7.30

Station ID: S3B-M Middle Station for All Field Parameters taken at: 14:30					
Water Depth (ft)		Parameters			
Depth to Bottom	37.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.06	19.74	6.3	7.40
Depth 2	18.0	8.69	19.36	10.7	7.29
Depth 3	34.0	8.57	19.33	27.7	7.29

Station ID: S3B-N North Station for All Field Parameters taken at: 14:40					
Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.95	19.65	8.6	7.35
Depth 2	25.0	8.65	19.30	9.2	7.28
Depth 3	47.0	8.49	19.30	12.8	7.28

Station ID: S3M-E Early Warning Compliance Station for All Field Parameters taken at: 14:45					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.25	19.54	3.5	7.46
Depth 2	28.0	8.80	19.20	4.4	7.31
Depth 3	54.0	8.65	19.18	5.3	7.30
Station ID: S3M-M Middle Compliance Station for All Field Parameters taken at: 14:50					
Water Depth (ft)		Parameters			
Depth to Bottom	56.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.25	20.03	2.9	7.42
Depth 2	28.0	8.79	19.16	4.5	7.31
Depth 3	53.0	8.64	19.16	4.7	7.29
Station ID: S3M-S South Compliance Station for All Field Parameters taken at: 14:55					
Water Depth (ft)		Parameters			
Depth to Bottom	54.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.34	19.78	3.7	7.50
Depth 2	27.0	8.82	19.19	4.7	7.31
Depth 3	51.0	8.61	19.16	6.1	7.29
Station ID: S3M-N North Compliance Station for All Field Parameters taken at: 15:00					
Water Depth (ft)		Parameters			
Depth to Bottom	31.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.27	19.67	3.7	7.46
Depth 2	15.0	9.02	19.44	3.9	7.33
Depth 3	28.0	8.76	19.21	5.5	7.29

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09/16/2008
Construction Activity: S3B Capping
Construction Activity Times: Capping activity occurred from 07:42 to 15:31
Monitoring Times: Background Parameters taken at 07:55 and 13:55; Compliance Parameters taken from 08:15 to 15:35
Rounds of Sampling for Day: 2

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 9/16/08 = 10.17 NTU**
*** Background Station 1 = 5.8 NTU**
*** 90th Percentile value of 10.17 NTU used to calculate trigger for sampling in Round 1 since it is higher than Background Station value.**
10.17 NTU + 5.0 NTU = 15.17 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**				
Station ID: BG-01R Background Station Field Parameters taken at: 07:55					
Water Depth (ft)		Parameters			
Depth to Bottom	66.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.73	19.23	2.8	7.22
Depth 2	33.0	8.69	19.26	2.7	7.27
Depth 3	63.0	8.56	19.26	5.8	7.29
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 08:15					
Water Depth (ft)		Parameters			
Depth to Bottom	51.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.65	19.28	3.6	7.27
Depth 2	25.0	8.53	19.29	14.2	7.28
Depth 3	48.0	8.43	19.30	17.5	7.30
Station ID: S3B-S South Station for All Field Parameters taken at: 08:30					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.76	19.24	3.5	7.31
Depth 2	20.0	8.60	19.28	3.7	7.26
Depth 3	37.0	8.43	19.28	13.5	7.28
Station ID: S3B-M Middle Station for All Field Parameters taken at: 08:35					
Water Depth (ft)		Parameters			
Depth to Bottom	45.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.61	19.28	4.6	7.31
Depth 2	22.0	8.56	19.29	5.1	7.27
Depth 3	43.0	8.47	19.30	13.5	7.29
Station ID: S3B-N North Station for All Field Parameters taken at: 08:40					
Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.80	19.33	6.2	7.29
Depth 2	22.0	8.44	19.29	11.0	7.28
Depth 3	41.0	8.40	19.31	19.2	7.32
Station ID: S3M-E Early Warning Station for All Field Parameters taken at: 08:50					
Water Depth (ft)		Parameters			
Depth to Bottom	59.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.76	19.27	3.9	7.31
Depth 2	30.0	8.66	19.26	5.1	7.29
Depth 3	56.0	8.55	19.27	6.4	7.30

Station ID: S3M-M Middle Station for All Field Parameters taken at: 08:55					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.88	19.27	4.4	7.32
Depth 2	29.0	8.86	19.26	4.7	7.29
Depth 3	55.0	8.54	19.26	5.9	7.30
Station ID: S3M-S South Station for All Field Parameters taken at: 09:00					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.89	19.25	4.7	7.37
Depth 2	29.0	8.71	19.26	5.3	7.30
Depth 3	55.0	8.48	19.27	7.7	7.31
Station ID: S3M-N North Station for All Field Parameters taken at: 09:05					
Water Depth (ft)		Parameters			
Depth to Bottom	33.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.96	19.28	4.4	7.35
Depth 2	16.0	8.70	19.27	5.0	7.30
Depth 3	30.0	8.61	19.27	5.7	7.29
Round 2					
Station ID: BG-01R Background Station Field Parameters taken at: 13:55					
Water Depth (ft)		Parameters			
Depth to Bottom	70.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.10	19.47	3.5	7.29
Depth 2	35.0	8.92	19.27	3.7	7.23
Depth 3	67.0	8.64	19.23	5.4	7.25
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 15:15					
Water Depth (ft)		Parameters			
Depth to Bottom	32.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.88	19.78	9.2	7.22
Depth 2	16.0	8.79	19.49	15.1	7.15
Depth 3	29.0	8.55	19.45	25.0	7.16
Station ID: S3B-S South Station for All Field Parameters taken at: 15:25					
Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.26	19.88	5.9	7.51
Depth 2	19.0	9.27	19.42	6.3	7.20
Depth 3	35.0	8.58	19.35	7.3	7.16
Station ID: S3B-M Middle Station for All Field Parameters taken at: 15:30					
Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.34	19.89	6.6	7.78
Depth 2	19.0	9.13	19.41	6.5	7.20
Depth 3	35.0	8.58	19.36	8.1	7.19
Station ID: S3B-N North Station for All Field Parameters taken at: 15:35					
Water Depth (ft)		Parameters			
Depth to Bottom	49.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.80	19.98	4.9	7.37
Depth 2	25.0	9.13	19.37	9.5	7.20
Depth 3	46.0	8.49	19.33	10.2	7.20

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09/17/2008
Construction Activity: S3B Capping
Construction Activity Times: Capping activity occurred from 08:00 to 17:15
Monitoring Times: Background Parameters taken at 09:30 and 13:55; Compliance Parameters taken from 10:00 to 16:45
Rounds of Sampling for Day: 4

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 9/17/08 = 10.11 NTU**
*** Background Station 1 = 4.7 NTU**
*** 90th Percentile value of 10.11 NTU used to calculate trigger for sampling in Round 1 since it is higher than Background Station value.**
10.11 NTU + 5.0 NTU = 15.11 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**				
Station ID: BG-01R Background Station Field Parameters taken at: 09:30					
Water Depth (ft)		Parameters			
Depth to Bottom	70.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.17	19.22	2.8	7.49
Depth 2	35.0	8.61	19.14	3.8	7.31
Depth 3	67.0	8.51	19.13	4.7	7.32
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 10:00					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.82	19.37	4.8	7.33
Depth 2	20.0	8.52	19.33	6.5	7.27
Depth 3	37.0	8.35	19.34	38.1	7.28
Station ID: S3B-S South Station for All Field Parameters taken at: 10:10					
Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.62	19.41	4.9	7.64
Depth 2	19.0	8.56	19.35	6.1	7.26
Depth 3	35.0	8.36	19.34	7.7	7.26
Station ID: S3B-M Middle Station for All Field Parameters taken at: 10:15					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.62	19.38	7.1	7.30
Depth 2	20.0	8.54	19.34	6.6	7.26
Depth 3	37.0	8.39	19.34	14.5	7.28
Station ID: S3B-N North Station for All Field Parameters taken at: 10:20					
Water Depth (ft)		Parameters			
Depth to Bottom	45.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.83	19.38	8.8	7.31
Depth 2	22.0	8.49	19.34	7.8	7.26
Depth 3	42.0	8.31	19.35	8.2	7.27

Round 2					
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 10:30					
Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.59	19.46	6.6	7.30
Depth 2	19.0	8.56	19.36	6.2	7.26
Depth 3	35.0	8.33	19.35	7.5	7.28
Station ID: S3B-S South Station for All Field Parameters taken at: 10:35					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.74	19.42	5.4	7.32
Depth 2	20.0	8.43	19.35	5.9	7.24
Depth 3	37.0	8.30	19.34	7.8	7.23
Station ID: S3B-M Middle Station for All Field Parameters taken at: 10:40					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.79	19.38	7.5	7.34
Depth 2	20.0	8.55	19.35	7.2	7.28
Depth 3	37.0	8.42	19.34	13.1	7.28
Station ID: S3B-N North Station for All Field Parameters taken at: 10:45					
Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.51	19.38	8.4	7.30
Depth 2	23.0	8.43	19.36	8.8	7.25
Depth 3	43.0	8.28	19.35	14.0	7.28
Round 3					
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 12:00					
Water Depth (ft)		Parameters			
Depth to Bottom	37.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.94	19.64	4.9	7.42
Depth 2	19.0	8.47	19.39	4.9	7.20
Depth 3	34.0	8.39	19.36	5.3	7.25
Station ID: S3B-S South Station for All Field Parameters taken at: 12:05					
Water Depth (ft)		Parameters			
Depth to Bottom	39.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.93	19.45	6.3	7.36
Depth 2	18.0	8.63	19.37	5.9	7.24
Depth 3	36.0	8.22	19.34	6.7	7.23
Station ID: S3B-M Middle Station for All Field Parameters taken at: 12:07					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.72	19.64	5.9	7.33
Depth 2	20.0	8.71	19.35	6.1	7.26
Depth 3	37.0	8.48	19.36	14.6	7.28
Station ID: S3B-N North Station for All Field Parameters taken at: 12:15					
Water Depth (ft)		Parameters			
Depth to Bottom	51.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.91	19.52	7.1	7.35
Depth 2	25.0	8.61	19.36	12.3	7.26
Depth 3	48.0	8.36	19.36	29.0	7.28

Station ID: S3M-E Early Warning Station for All Field Parameters taken at: 13:40					
Water Depth (ft)		Parameters			
Depth to Bottom	62.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.07	19.73	3.21	7.78
Depth 2	31.0	8.25	19.71	3.92	7.57
Depth 3	59.0	8.21	19.56	5.69	7.54
Station ID: S3M-M Middle Station for All Field Parameters taken at: 14:05					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.74	19.72	4.40	7.77
Depth 2	28.0	8.46	19.74	3.74	7.70
Depth 3	54.0	8.28	19.52	6.87	7.57
Station ID: S3M-S South Station for All Field Parameters taken at: 14:25					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.55	20.14	3.39	7.87
Depth 2	28.0	8.79	19.69	4.03	7.55
Depth 3	54.0	8.19	19.48	6.86	7.50
Station ID: S3M-N North Station for All Field Parameters taken at: 14:40					
Water Depth (ft)		Parameters			
Depth to Bottom	33.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.81	20.32	3.55	7.54
Depth 2	16.0	8.24	19.67	3.64	7.58
Depth 3	30.0	8.13	19.58	4.71	7.57
Round 4					
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 15:00					
Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.86	20.33	7.22	7.51
Depth 2	19.0	8.25	19.99	12.6	7.62
Depth 3	35.0	8.41	19.82	23.6	7.65
Station ID: S3B-S South Station for All Field Parameters taken at: 15:10					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.15	19.94	6.68	7.66
Depth 2	20.0	8.20	19.76	22.4	7.60
Depth 3	37.0	7.55	19.68	11.7	7.39
Station ID: S3B-M Middle Station for All Field Parameters taken at: 15:25					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.33	20.53	5.33	7.31
Depth 2	20.0	8.68	19.76	21.2	7.59
Depth 3	37.0	8.90	19.69	9.81	7.46
Station ID: S3B-N North Station for All Field Parameters taken at: 15:45					
Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.30	20.29	5.16	7.68
Depth 2	22.0	8.62	19.77	7.35	7.73
Depth 3	41.0	8.27	19.58	9.04	7.62

Station ID: S3M-E Early Warning Station for All Field Parameters taken at: 16:00					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.14	20.39	9.04	7.78
Depth 2	29.0	8.55	19.65	4.30	7.61
Depth 3	55.0	8.29	19.51	7.05	7.56
Station ID: S3M-M Middle Station for All Field Parameters taken at: 16:15					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.40	20.33	3.11	7.81
Depth 2	19.0	8.16	19.47	4.61	7.59
Depth 3	55.0	8.34	19.43	5.76	7.60
Station ID: S3M-S South Station for All Field Parameters taken at: 16:30					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.56	20.24	3.25	7.59
Depth 2	29.0	8.59	19.73	3.66	7.68
Depth 3	55.0	8.22	19.39	6.51	7.65
Station ID: S3M-N North Station for All Field Parameters taken at: 16:45					
Water Depth (ft)		Parameters			
Depth to Bottom	32.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.86	20.49	3.58	7.57
Depth 2	16.0	8.64	19.59	4.20	7.42
Depth 3	29.0	8.14	19.40	7.37	7.50

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09/18/2008
Construction Activity: S3B Capping
Construction Activity Times: Capping activity occurred from 07:30 to 15:00
Monitoring Times: Background Parameters taken at 07:30; Compliance Parameters taken from 08:20 to 16:05
Rounds of Sampling for Day: 4

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 9/18/08 = 10.00 NTU**
*** Background Station 1 = 10.70 NTU**
*** Background Station value of 10.70 NTU used to calculate trigger for sampling in Round 1 since it is higher than 90th Percentile value.**
10.70 NTU + 5.0 NTU = 15.70 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**

Station ID: BG-01R Background Station Field Parameters taken at: 07:30

Water Depth (ft)		Parameters			
Depth to Bottom	73.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.66	18.47	5.47	7.11
Depth 2	36.0	7.87	18.89	9.19	7.17
Depth 3	70.0	8.10	18.79	10.70	7.22

Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 08:20

Water Depth (ft)		Parameters			
Depth to Bottom	39.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.57	19.05	7.45	7.21
Depth 2	20.0	7.40	19.01	11.27	7.17
Depth 3	36.0	7.02	18.82	10.75	7.18

Station ID: S3B-S South Station for All Field Parameters taken at: 08:30

Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.37	18.31	7.05	7.20
Depth 2	21.0	7.17	18.76	8.37	7.20
Depth 3	39.0	6.98	19.05	14.74	7.13

Station ID: S3B-M Middle Station for All Field Parameters taken at: 08:45

Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.41	18.99	7.10	7.13
Depth 2	21.0	7.19	18.99	6.27	7.21
Depth 3	39.0	7.06	19.04	14.52	7.16

Station ID: S3B-N North Station for All Field Parameters taken at: 09:00

Water Depth (ft)		Parameters			
Depth to Bottom	47.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.00	19.08	5.67	7.13
Depth 2	23.0	7.11	19.11	9.44	7.15
Depth 3	44.0	7.14	18.97	8.53	7.28

Round 2					
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 09:20					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.92	19.09	5.64	7.14
Depth 2	20.0	7.50	19.10	7.59	7.15
Depth 3	37.0	6.89	19.06	7.28	7.10
Station ID: S3B-S South Station for All Field Parameters taken at: 09:40					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.83	18.97	5.27	7.10
Depth 2	20.0	7.56	18.96	4.43	7.17
Depth 3	37.0	6.95	19.05	13.53	7.32
Station ID: S3B-M Middle Station for All Field Parameters taken at: 09:55					
Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.95	19.10	4.81	7.16
Depth 2	20.0	6.95	19.02	5.54	7.18
Depth 3	38.0	6.93	19.05	10.28	7.31
Station ID: S3B-N North Station for All Field Parameters taken at: 10:10					
Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.52	19.15	5.37	7.09
Depth 2	23.0	7.05	19.14	5.81	7.22
Depth 3	43.0	7.51	18.76	6.86	7.30
Round 3					
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 11:15					
Water Depth (ft)		Parameters			
Depth to Bottom	39.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.91	18.97	5.25	7.21
Depth 2	19.0	7.59	19.03	4.22	7.21
Depth 3	36.0	7.21	18.99	22.04	7.20
Station ID: S3B-S South Station for All Field Parameters taken at: 11:25					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.15	19.09	4.50	7.21
Depth 2	20.0	7.15	18.80	4.15	7.23
Depth 3	37.0	7.06	19.09	20.51	7.17
Station ID: S3B-M Middle Station for All Field Parameters taken at: 11:35					
Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.36	18.80	5.00	7.23
Depth 2	20.0	6.90	19.00	7.42	7.25
Depth 3	38.0	7.02	18.79	26.14	7.36
Station ID: S3B-N North Station for All Field Parameters taken at: 11:50					
Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.03	19.19	4.82	7.24
Depth 2	23.0	7.35	19.08	4.33	7.25
Depth 3	43.0	7.06	18.99	18.50	7.35

Station ID: S3M-E Early Warning Compliance Station for All Field Parameters taken at: 12:25					
Water Depth (ft)		Parameters			
Depth to Bottom	48.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.70	19.04	3.67	7.26
Depth 2	24.0	7.45	18.98	5.62	7.30
Depth 3	45.0	7.76	19.01	5.88	7.83
Station ID: S3M-M Middle Compliance Station for All Field Parameters taken at: 12:35					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.61	19.05	4.63	7.29
Depth 2	29.0	7.10	18.94	4.67	7.24
Depth 3	55.0	7.51	18.82	6.77	7.47
Station ID: S3M-S South Compliance Station for All Field Parameters taken at: 12:40					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.64	18.82	4.38	7.29
Depth 2	28.0	7.66	18.78	5.05	7.27
Depth 3	55.0	7.70	18.66	7.47	7.37
Station ID: S3M-N North Compliance Station for All Field Parameters taken at: 12:50					
Water Depth (ft)		Parameters			
Depth to Bottom	34.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.56	18.93	4.09	7.34
Depth 2	17.0	7.80	18.71	4.69	7.31
Depth 3	31.0	6.99	18.92	4.16	7.19
Round 4					
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 14:30					
Water Depth (ft)		Parameters			
Depth to Bottom	37.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.01	19.04	3.49	7.20
Depth 2	18.0	7.40	19.03	6.56	7.20
Depth 3	34.0	7.45	18.97	30.99	7.26
Station ID: S3B-S South Station for All Field Parameters taken at: 14:50					
Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.88	19.15	3.44	7.14
Depth 2	19.0	7.50	19.06	6.95	7.33
Depth 3	35.0	7.33	18.96	17.86	7.41
Station ID: S3B-M Middle Station for All Field Parameters taken at: 15:00					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.40	18.96	4.81	7.32
Depth 2	20.0	7.89	19.15	7.18	7.29
Depth 3	37.0	7.66	19.12	22.53	7.35
Station ID: S3B-N North Station for All Field Parameters taken at: 15:15					
Water Depth (ft)		Parameters			
Depth to Bottom	45.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.55	19.11	4.50	7.31
Depth 2	22.0	7.29	19.03	15.90	7.31
Depth 3	42.0	7.56	19.00	19.59	7.45

Station ID: S3M-E Early Warning Compliance Station for All Field Parameters taken at: 15:30					
Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.54	18.97	3.49	7.32
Depth 2	27.0	7.49	18.99	5.06	7.28
Depth 3	52.0	7.29	18.88	8.51	7.27
Station ID: S3M-M Middle Compliance Station for All Field Parameters taken at: 15:40					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.52	19.02	4.33	7.37
Depth 2	28.0	7.52	18.91	4.35	7.34
Depth 3	54.0	7.43	18.83	7.29	7.50
Station ID: S3M-S South Compliance Station for All Field Parameters taken at: 15:55					
Water Depth (ft)		Parameters			
Depth to Bottom	56.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.76	18.82	3.64	7.40
Depth 2	28.0	7.47	18.82	4.60	7.33
Depth 3	53.0	7.50	18.81	6.12	7.33
Station ID: S3M-N North Compliance Station for All Field Parameters taken at: 16:05					
Water Depth (ft)		Parameters			
Depth to Bottom	33.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.58	18.77	2.88	7.36
Depth 2	17.0	7.42	19.02	3.58	7.31
Depth 3	30.0	7.52	18.96	6.66	7.34

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09/19/2008
Construction Activity: S3B Capping
Construction Activity Times: Capping activity occurred from 08:45 to 16:00
Monitoring Times: Background Parameters taken at 11:20; Compliance Parameters taken from 12:00 to 12:30
Rounds of Sampling for Day: 1

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 9/19/08 = 10.15 NTU**
*** Background Station 1 = 6.63**
*** 90th Percentile value of 10.15 NTU used to calculate trigger for sampling in Round 1 since it is higher than Background Station value.**
10.15 NTU + 5.0 NTU = 15.15 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**

Station ID: BG-01R Background Station Field Parameters taken at: 11:20

Water Depth (ft)		Parameters			
Depth to Bottom	66.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.82	18.83	4.58	6.97
Depth 2	33.0	7.09	18.85	4.49	7.01
Depth 3	63.0	7.21	18.82	6.63	7.05

Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 12:00

Water Depth (ft)		Parameters			
Depth to Bottom	37.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.85	19.04	6.74	7.07
Depth 2	18.0	6.95	18.93	6.27	7.09
Depth 3	34.0	7.55	19.06	7.68	7.15

Station ID: S3B-S South Station for All Field Parameters taken at: 12:10

Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.90	19.04	4.95	7.08
Depth 2	19.0	6.80	19.02	6.38	7.08
Depth 3	35.0	6.92	18.87	6.91	7.16

Station ID: S3B-M Middle Station for All Field Parameters taken at: 12:20

Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.80	19.02	5.60	7.13
Depth 2	19.0	7.67	18.98	7.07	7.11
Depth 3	35.0	6.76	18.98	9.10	7.24

Station ID: S3B-N North Station for All Field Parameters taken at: 12:30

Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.88	19.13	6.19	7.17
Depth 2	22.0	6.72	19.05	6.96	7.18
Depth 3	41.0	6.83	18.98	6.25	7.26

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09/20/2008
Construction Activity: S3B Capping
Construction Activity Times: Capping activity occurred from 07:30 to 14:45
Monitoring Times: Background Parameters taken at 10:35; Compliance Parameters taken from 10:45 to 11:20
Rounds of Sampling for Day: 1

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 9/20/08 = 10.12 NTU**
*** Background Station 1 = 11.07 NTU**
*** Background Station value of 11.07 NTU used to calculate trigger for sampling in Round 1 since it is higher than 90th Percentile value.**
11.07 NTU + 5.0 NTU = 16.07 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**

Station ID: BG-01R Background Station Field Parameters taken at: 10:35

Water Depth (ft)		Parameters			
Depth to Bottom	56.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.82	18.34	3.70	7.03
Depth 2	28.0	7.61	18.37	5.78	7.14
Depth 3	53.0	7.61	18.52	11.07	7.62

Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 10:45

Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.23	18.55	5.32	7.04
Depth 2	19.0	6.92	18.69	5.44	7.03
Depth 3	35.0	6.91	18.71	6.40	7.06

Station ID: S3B-S South Station for All Field Parameters taken at: 11:00

Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.15	18.61	5.57	7.06
Depth 2	21.0	7.12	18.54	7.11	7.06
Depth 3	39.0	7.10	18.37	7.34	7.07

Station ID: S3B-M Middle Station for All Field Parameters taken at: 11:10

Water Depth (ft)		Parameters			
Depth to Bottom	39.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.59	18.69	5.49	7.10
Depth 2	20.0	6.75	18.60	5.45	7.10
Depth 3	36.0	7.23	18.51	7.00	7.08

Station ID: S3B-N North Station for All Field Parameters taken at: 11:20

Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.98	18.93	6.22	7.04
Depth 2	23.0	7.46	18.77	5.55	7.06
Depth 3	43.0	7.24	18.67	6.69	7.06

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09/22/2008
Construction Activity: Capping at the Head of Slip 3
Construction Activity Times: Capping activity occurred from 08:50 to 15:25
Monitoring Times: Background Parameters taken at 09:30; Compliance Parameters taken from 09:50 to 10:20
Rounds of Sampling for Day: 1

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 9/22/08 = 10.19 NTU**
*** Background Station 1 = 7.09 NTU**
*** 90th Percentile value of 10.19 NTU used to calculate trigger for sampling in Round 1 since it is higher than the Background Station value.**
10.19 NTU + 5.0 NTU = 15.19 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**

Station ID: BG-01R Background Station Field Parameters taken at: 09:30

Water Depth (ft)		Parameters			
Depth to Bottom	64.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	11.03	17.92	5.30	6.80
Depth 2	32.0	10.35	17.61	4.82	6.99
Depth 3	61.0	9.05	18.26	7.09	7.05

Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 09:50

Water Depth (ft)		Parameters			
Depth to Bottom	36.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.25	17.85	3.80	7.07
Depth 2	18.0	7.17	18.13	4.59	7.11
Depth 3	33.0	7.25	17.70	6.90	7.19

Station ID: S3B-S South Station for All Field Parameters taken at: 10:00

Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.91	18.20	4.06	7.14
Depth 2	19.0	6.72	18.13	6.99	7.12
Depth 3	35.0	7.09	18.15	6.65	7.12

Station ID: S3B-M Middle Station for All Field Parameters taken at: 10:10

Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.95	17.61	3.91	7.28
Depth 2	19.0	6.72	17.82	4.71	7.21
Depth 3	35.0	7.50	18.23	5.47	7.19

Station ID: S3B-N North Station for All Field Parameters taken at: 10:20

Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.67	18.10	4.67	7.19
Depth 2	22.0	6.80	18.04	5.19	7.20
Depth 3	41.0	6.79	17.82	6.58	7.27

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09/23/2008
Construction Activity: Capping at the Head of Slip 3
Construction Activity Times: Capping activity occurred from 10:10 to 15:00
Monitoring Times: Background Parameters taken at 11:15; Compliance Parameters taken from 13:50 to 14:10
Rounds of Sampling for Day: 1

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 9/23/08 = 10.16 NTU**
*** Background Station 1 = 8.80 NTU**
*** 90th Percentile value of 10.16 NTU used to calculate trigger for sampling in Round 1 since it is higher than the Background Station value.**
10.16 NTU + 5.0 NTU = 15.16 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**

Station ID: BG-01R Background Station Field Parameters taken at: 11:15

Water Depth (ft)		Parameters			
Depth to Bottom	73.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.92	17.84	4.70	6.75
Depth 2	36.0	8.61	17.73	6.40	6.86
Depth 3	70.0	8.45	17.72	8.80	6.92

Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 13:50

Water Depth (ft)		Parameters			
Depth to Bottom	37.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.97	18.73	4.80	7.35
Depth 2	18.0	8.88	17.90	5.00	7.37
Depth 3	34.0	8.49	17.83	5.30	7.36

Station ID: S3B-S South Station for All Field Parameters taken at: 13:55

Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.64	18.44	5.90	7.30
Depth 2	21.0	8.51	17.97	4.90	7.25
Depth 3	39.0	8.40	17.84	5.30	7.25

Station ID: S3B-M Middle Station for All Field Parameters taken at: 14:05

Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.67	18.50	5.10	7.28
Depth 2	19.0	8.71	17.93	4.80	7.29
Depth 3	35.0	8.43	17.82	5.10	7.26

Station ID: S3B-N North Station for All Field Parameters taken at: 14:10

Water Depth (ft)		Parameters			
Depth to Bottom	45.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.63	18.57	5.30	7.32
Depth 2	22.0	8.72	17.85	5.10	7.29
Depth 3	42.0	8.45	17.82	5.50	7.24

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09/24/2008
Construction Activity: Capping at the Head of Slip 3
Construction Activity Times: Capping activity occurred from 07:20 to 15:25
Monitoring Times: Background Parameters taken at 10:05; Compliance Parameters taken from 10:35 to 11:05
Rounds of Sampling for Day: 1

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 9/24/08 = 10.13 NTU**
*** Background Station 1 = 7.86 NTU**
*** 90th Percentile value of 10.13 NTU used to calculate trigger for sampling in Round 1 since it is higher than the Background Station value.**
10.13 NTU + 5.0 NTU = 15.13 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**

Station ID: BG-01R Background Station Field Parameters taken at: 10:05

Water Depth (ft)		Parameters			
Depth to Bottom	68.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.55	18.19	4.30	7.08
Depth 2	34.0	6.85	17.38	6.09	7.12
Depth 3	65.0	6.95	17.53	7.86	7.15

Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 10:35

Water Depth (ft)		Parameters			
Depth to Bottom	36.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.90	17.82	2.99	7.16
Depth 2	18.0	7.25	17.68	5.33	7.16
Depth 3	33.0	7.58	17.72	7.57	7.12

Station ID: S3B-S South Station for All Field Parameters taken at: 10:45

Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.05	17.62	3.38	7.13
Depth 2	20.0	7.16	17.61	3.37	7.16
Depth 3	37.0	7.23	17.71	3.85	7.13

Station ID: S3B-M Middle Station for All Field Parameters taken at: 10:55

Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.54	17.68	5.62	7.10
Depth 2	19.0	7.48	17.83	5.31	7.11
Depth 3	35.0	7.38	17.77	5.70	7.13

Station ID: S3B-N North Station for All Field Parameters taken at: 11:05

Water Depth (ft)		Parameters			
Depth to Bottom	43.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.31	17.88	3.22	7.14
Depth 2	21.0	7.34	17.71	4.12	7.14
Depth 3	40.0	7.48	17.62	6.06	7.28

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09/25/2008
Construction Activity: Capping at the Head of Slip 3
Construction Activity Times: Capping activity occurred from 07:25 to 13:30
Monitoring Times: Background Parameters taken at 10:05; Compliance Parameters taken from 10:20 to 11:45
Rounds of Sampling for Day: 1

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 9/25/08 = 10.10 NTU**
*** Background Station 1 = 5.00 NTU**
*** 90th Percentile value of 10.10 NTU used to calculate trigger for sampling in Round 1 since it is higher than the Background Station value.**
10.10 NTU + 5.0 NTU = 15.10 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**

Station ID: BG-01R Background Station Field Parameters taken at: 10:05

Water Depth (ft)		Parameters			
Depth to Bottom	74.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.07	17.62	3.40	7.21
Depth 2	37.0	9.31	17.33	4.30	7.22
Depth 3	71.0	9.24	17.28	5.00	7.21

Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 10:20

Water Depth (ft)		Parameters			
Depth to Bottom	37.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.20	17.62	7.20	7.18
Depth 2	18.0	8.82	17.61	3.90	7.14
Depth 3	34.0	8.54	17.84	2.50	7.11

Station ID: S3B-S South Station for All Field Parameters taken at: 10:30

Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.74	17.75	3.80	7.15
Depth 2	20.0	8.62	17.66	4.60	7.14
Depth 3	38.0	8.65	17.57	6.30	7.17

Station ID: S3B-M Middle Station for All Field Parameters taken at: 10:35

Water Depth (ft)		Parameters			
Depth to Bottom	39.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.77	17.68	3.10	7.14
Depth 2	19.0	8.75	17.63	3.70	7.13
Depth 3	36.0	8.71	17.57	4.60	7.27

Station ID: S3B-N North Station for All Field Parameters taken at: 11:45

Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.02	17.72	4.50	7.24
Depth 2	22.0	8.88	17.60	5.80	7.21
Depth 3	41.0	8.86	17.51	6.10	7.23

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09/30/2008
Construction Activity: Capping at the Head of Slip 3
Construction Activity Times: Capping activity occurred from 12:00 to 15:30
Monitoring Times: Background Parameters taken at 12:40; Compliance Parameters taken from 13:30 to 14:00
Rounds of Sampling for Day: 1

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 9/30/08 = 9.95 NTU**
*** Background Station 1 = 3.4 NTU**
*** 90th Percentile value of 9.95 NTU used to calculate trigger for sampling in Round 1 since it is higher than the Background Station value.**
9.95 NTU + 5.0 NTU = 14.95 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**

Station ID: BG-01R Background Station Field Parameters taken at: 12:40

Water Depth (ft)		Parameters			
Depth to Bottom	68.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.28	18.95	1.60	6.85
Depth 2	34.0	9.26	17.05	2.80	7.06
Depth 3	65.0	9.35	16.72	3.40	7.13

Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 13:30

Water Depth (ft)		Parameters			
Depth to Bottom	37.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.30	16.51	4.80	6.57
Depth 2	18.0	9.23	17.08	3.70	7.11
Depth 3	34.0	9.22	16.78	6.30	7.08

Station ID: S3B-S South Station for All Field Parameters taken at: 13:45

Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.28	16.35	3.90	7.14
Depth 2	19.0	9.23	16.88	7.60	7.09
Depth 3	35.0	9.30	16.76	9.10	7.09

Station ID: S3B-M Middle Station for All Field Parameters taken at: 13:55

Water Depth (ft)		Parameters			
Depth to Bottom	39.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.24	16.38	4.00	7.13
Depth 2	19.5	9.25	16.81	5.40	7.02
Depth 3	36.0	9.28	16.73	6.30	7.06

Station ID: S3B-N North Station for All Field Parameters taken at: 14:00

Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.28	16.49	3.60	7.13
Depth 2	22.0	9.15	16.87	4.20	7.10
Depth 3	41.0	9.17	16.84	11.40	7.15

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 10/01/2008
Construction Activity: Capping at the Head of Slip 3
Construction Activity Times: Capping activity occurred from 07:55 to 13:45
Monitoring Times: Background Parameters taken at 11:10; Compliance Parameters taken from 11:40 to 12:05
Rounds of Sampling for Day: 1

Triggers:

Water Velocity (fps)	1.0 fps or higher
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units)	< 6.5 or > 8.5

Round 1

*** 90th Percentile Turbidity for 10/1/08 = 9.8 NTU**
*** Background Station 1 = 4.3 NTU**
*** 90th Percentile value of 9.8 NTU used to calculate trigger for sampling in Round 1 since it is higher than the Background Station value.**
9.8 NTU + 5.0 NTU = 14.8 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**

Station ID: BG-01R Background Station Field Parameters taken at: 11:10

Water Depth (ft)		Parameters			
Depth to Bottom	64.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.44	15.75	4.00	7.17
Depth 2	32.0	9.40	16.04	4.30	7.17
Depth 3	61.0	9.41	15.95	4.00	7.14

Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 11:40

Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.50	16.19	5.90	7.17
Depth 2	19.0	9.32	15.99	6.20	7.10
Depth 3	35.0	9.28	16.11	4.10	7.15

Station ID: S3B-S South Station for All Field Parameters taken at: 11:45

Water Depth (ft)		Parameters			
Depth to Bottom	39.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.45	16.06	4.80	7.20
Depth 2	19.5	9.33	16.11	3.40	7.24
Depth 3	36.0	9.35	16.08	4.40	7.18

Station ID: S3B-M Middle Station for All Field Parameters taken at: 11:55

Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.45	16.09	6.10	7.19
Depth 2	19.0	9.38	16.13	4.50	7.13
Depth 3	35.0	9.35	16.18	4.60	7.17

Station ID: S3B-N North Station for All Field Parameters taken at: 12:05

Water Depth (ft)		Parameters			
Depth to Bottom	45.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.33	16.10	5.00	7.21
Depth 2	22.0	9.32	16.13	5.10	7.20
Depth 3	42.0	9.27	16.14	5.90	7.19

Port of Portland Phase I Removal Action
Daily Reporting Template for Laboratory Parameters

Date:	8/15/2008
Time:	17:15
On-Time Result or Update:	On-Time Result
Construction Activity:	Berth 414 Dredging
Round of Sampling for Day (eg., 1st of 3 events):	1st of 1 Sampling Event
Additional Comments:	Collected on 8/12/08

Apex Work Order: A808111

							Sample I.D.:			
							T4 BG 1C 080812 (Time collected: 11:55)	T4 414S 080812A (Time collected: 14:30)	T4 414S 080812B (Time collected: 14:30)	T4 414S 080812C (Time collected: 14:30)
					Background Location			**Construction Location**		
Parameter	**Units**	**Acute Criterion**	**Chronic Criterion**	**Highest Background***	**Top**	**Middle**	**Bottom**	**Top**	**Middle**	**Bottom**
Conventional Parameters										
Total Suspended Solids (TSS)	mg/L	--	--	TBD			9.00	ND>5.00	ND>5.00	16.0
Metals[6]										
Cadmium	µg/L	0.5	0.09	TBD			ND>1.00	ND>1.00	ND>1.00	ND>1.00
Lead	µg/L	14	0.54	TBD			ND>1.00	ND>1.00	ND>1.00	ND>1.00
Zinc	µg/L	36	36	TBD			13.5	11.5	7.98	8.67
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND>0.0388	ND>0.0400	ND>0.0381	ND>0.0381
Acenaphthylene	µg/L	1277	307	TBD			ND>0.0388	ND>0.0400	ND>0.0381	ND>0.0381
Acenaphthene	µg/L	233	56	TBD			ND>0.0388	ND>0.0400	ND>0.0381	ND>0.0381
Fluorene	µg/L	162	39	TBD			ND>0.0388	ND>0.0400	ND>0.0381	ND>0.0381
Phenanthrene	µg/L	79	19	TBD			ND>0.0388	ND>0.0400	ND>0.0381	ND>0.0381
Anthracene	µg/L	87	21	TBD			ND>0.0388	ND>0.0400	ND>0.0381	ND>0.0381
Fluoranthene	µg/L	30	7.1	TBD			ND>0.0388	ND>0.0400	ND>0.0381	ND>0.0381
Pyrene	µg/L	42	10	TBD			ND>0.0388	ND>0.0400	ND>0.0381	ND>0.0381
Benzo(a)anthracene	µg/L	9.2	2.2	TBD			ND>0.0388	ND>0.0400	ND>0.0381	ND>0.0381
Chrysene	µg/L	8.3	2.0	TBD			ND>0.0388	ND>0.0400	ND>0.0381	ND>0.0381
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND>0.0388	ND>0.0400	ND>0.0381	ND>0.0381
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND>0.0388	ND>0.0400	ND>0.0381	ND>0.0381
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND>0.0388	ND>0.0400	ND>0.0381	ND>0.0381
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND>0.0388	ND>0.0400	ND>0.0381	ND>0.0381
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND>0.0388	ND>0.0400	ND>0.0381	ND>0.0381
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND>0.0388	ND>0.0400	ND>0.0381	ND>0.0381

Notes:

N/AV - Result not yet available ND - Non Detect J - Not within quality control limits, estimated data

Above chronic criterion and background (and data not yet qualified)

Above acute criterion and background (and data not yet qualified)

* Value is the 90th percentile background value calculated during pre-construction, or the value of the highest background sample taken on the same day (whichever is higher).

Port of Portland Phase I Removal Action
Daily Reporting Template for Laboratory Parameters

Date:	8/15/2008
Time:	17:15
On-Time Result or Update:	On-Time Result
Construction Activity:	Slip 3 "Center Square" Dredging
Round of Sampling for Day (eg., 1st of 3 events):	1st of 4 Sampling Events
Additional Comments:	Collected on 8/13/08

Apex Work Order: A808126

					Sample I.D.:					
							T4 BG 1C 080813 (Time collected: 10:00)	T4 S3C M A 080813 (Time collected: 11:30)	T4 S3C M B 080813 (Time collected: 11:30)	T4 S3C M C 080813 (Time collected: 11:30)
					Background Location			**Construction Location**		
Parameter	**Units**	**Acute Criterion**	**Chronic Criterion**	**Highest Background***	**Top**	**Middle**	**Bottom**	**Top**	**Middle**	**Bottom**
Conventional Parameters										
Total Suspended Solids (TSS)	mg/L	--	--	TBD			11.0	ND>5.00	5.0	20
Metals[6]										
Cadmium	µg/L	0.5	0.09	TBD			ND>1.00	ND>1.00	ND>1.00	ND>1.00
Lead	µg/L	14	0.54	TBD			ND>1.00	ND>1.00	ND>1.00	ND>1.00
Zinc	µg/L	36	36	TBD			9.11	7.40	9.91	10.70
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND>0.0385	ND>0.0381	ND>0.0385	ND>0.0435
Acenaphthylene	µg/L	1277	307	TBD			ND>0.0385	ND>0.0381	ND>0.0385	ND>0.0435
Acenaphthene	µg/L	233	56	TBD			ND>0.0385	ND>0.0381	ND>0.0385	ND>0.0435
Fluorene	µg/L	162	39	TBD			ND>0.0385	ND>0.0381	ND>0.0385	ND>0.0435
Phenanthrene	µg/L	79	19	TBD			ND>0.0385	ND>0.0381	ND>0.0385	ND>0.0435
Anthracene	µg/L	87	21	TBD			ND>0.0385	ND>0.0381	ND>0.0385	ND>0.0435
Fluoranthene	µg/L	30	7.1	TBD			ND>0.0385	ND>0.0381	ND>0.0385	0.0555
Pyrene	µg/L	42	10	TBD			ND>0.0385	ND>0.0381	ND>0.0385	0.0603
Benzo(a)anthracene	µg/L	9.2	2.2	TBD			ND>0.0385	ND>0.0381	ND>0.0385	ND>0.0435
Chrysene	µg/L	8.3	2.0	TBD			ND>0.0385	ND>0.0381	ND>0.0385	ND>0.0435
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND>0.0385	ND>0.0381	ND>0.0385	ND>0.0435
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND>0.0385	ND>0.0381	ND>0.0385	ND>0.0435
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND>0.0385	ND>0.0381	ND>0.0385	ND>0.0435
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND>0.0385	ND>0.0381	ND>0.0385	ND>0.0435
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND>0.0385	ND>0.0381	ND>0.0385	ND>0.0435
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND>0.0385	ND>0.0381	ND>0.0385	ND>0.0435

Notes:

N/AV - Result not yet available ND - Non Detect J - Not within quality control limits, estimated data

Above chronic criterion and background (and data not yet qualified)

Above acute criterion and background (and data not yet qualified)

* Value is the 90th percentile background value calculated during pre-construction, or the value of the highest background sample taken on the same day (whichever is higher).

Port of Portland Phase I Removal Action
Daily Reporting Template for Laboratory Parameters

Date:	8/17/2008
Time:	10:00
On-Time Result or Update:	On-Time
Construction Activity:	Slip 3 "Center Square" Dredging
Round of Sampling for Day (eg., 1st of 3 events):	1st of 2 Sampling Events
Additional Comments:	Collected on 8/14/08
No exceedances detected	

Apex Work Order: A808138

					Sample I.D.:					
							T4 BG 1C 080814 (Time collected: 07:50)	T4 S3CM A 080814 (Time collected: 9:00)	T4 S3CM B 080814 (Time collected: 9:10)	T4 S3CM C 080814 (Time collected 9:20)
					Background Location			**Construction Location**		
Parameter	**Units**	**Acute Criterion**	**Chronic Criterion**	**Highest Background***	**Top**	**Middle**	**Bottom**	**Top**	**Middle**	**Bottom**
Conventional Parameters										
Total Suspended Solids (TSS)	mg/L	--	--	TBD			11.0	ND>5.00	5.0	20.0
Metals[6]										
Cadmium	µg/L	0.5	0.09	TBD			ND>0.200	ND>0.200	ND>0.200	ND>0.200
Lead	µg/L	14	0.54	TBD			ND>1.00	ND>1.00	ND>1.00	ND>1.00
Zinc	µg/L	36	36	TBD			7.91	8.73	6.89	5.68
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND>0.0392	ND>0.0404	ND>0.0390	ND>0.0388
Acenaphthylene	µg/L	1277	307	TBD			ND>0.0392	ND>0.0404	ND>0.0390	ND>0.0388
Acenaphthene	µg/L	233	56	TBD			ND>0.0392	ND>0.0404	ND>0.0390	ND>0.0388
Fluorene	µg/L	162	39	TBD			ND>0.0392	ND>0.0404	ND>0.0390	ND>0.0388
Phenanthrene	µg/L	79	19	TBD			ND>0.0392	ND>0.0404	ND>0.0390	ND>0.0388
Anthracene	µg/L	87	21	TBD			ND>0.0392	ND>0.0404	ND>0.0390	ND>0.0388
Fluoranthene	µg/L	30	7.1	TBD			ND>0.0392	ND>0.0404	ND>0.0390	0.0512
Pyrene	µg/L	42	10	TBD			ND>0.0392	ND>0.0404	ND>0.0390	0.0562
Benzo(a)anthracene	µg/L	9.2	2.2	TBD			ND>0.0392	ND>0.0404	ND>0.0390	ND>0.0388
Chrysene	µg/L	8.3	2.0	TBD			ND>0.0392	ND>0.0404	ND>0.0390	ND>0.0388
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND>0.0392	ND>0.0404	ND>0.0390	ND>0.0388
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND>0.0392	ND>0.0404	ND>0.0390	ND>0.0388
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND>0.0392	ND>0.0404	ND>0.0390	ND>0.0388
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND>0.0392	ND>0.0404	ND>0.0390	ND>0.0388
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND>0.0392	ND>0.0404	ND>0.0390	ND>0.0388
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND>0.0392	ND>0.0404	ND>0.0390	ND>0.0388

Notes:

N/AV - Result not yet available ND - Non Detect J - Not within quality control limits, estimated data

Above chronic criterion and background (and data not yet qualified)

Above acute criterion and background (and data not yet qualified)

* Value is the 90th percentile background value calculated during pre-construction, or the value of the highest background sample taken on the same day (whichever is higher).

Port of Portland Phase I Removal Action
Daily Reporting Template for Laboratory Parameters

Date:	8/21/2008
Time:	18:30
On-Time Result or Update:	Update to On-Time Result
Construction Activity:	Berth 411 Dredging
Round of Sampling for Day (eg., 1st of 3 events):	2nd of 3 Sampling Events
Additional Comments:	Collected on 8/18/08
No criteria were exceeded	

Apex Work Order: A808170

							Sample I.D.:			
							T4 BG 01 C 080818 (Time collected: 12:05)	T4 S3A M A 080818 (Time collected: 17:20)	T4 S3A M B 080818 (Time collected: 17:30)	T4 S3A M C 080818 (Time collected: 17:40)
					Background Location			**Construction Location**		
Parameter	**Units**	**Acute Criterion**	**Chronic Criterion**	**Highest Background***	**Top**	**Middle**	**Bottom**	**Top**	**Middle**	**Bottom**
Conventional Parameters										
Total Suspended Solids (TSS)	mg/L	--	--	TBD			9.0	9.0	7.0	25
Metals[6]										
Cadmium	µg/L	0.5	0.09	TBD			ND>0.200	ND>0.200	ND>0.200	ND>0.200
Lead	µg/L	14	0.54	TBD			ND>1.00	ND>1.00	ND>1.00	ND>1.00
Zinc	µg/L	36	36	TBD			8.8	9.06	10.7	8.52
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND>0.0377	ND>0.0400	ND>0.0400	ND>0.0412
Acenaphthylene	µg/L	1277	307	TBD			ND>0.0377	ND>0.0400	ND>0.0400	ND>0.0412
Acenaphthene	µg/L	233	56	TBD			ND>0.0377	ND>0.0400	ND>0.0400	ND>0.0412
Fluorene	µg/L	162	39	TBD			ND>0.0377	ND>0.0400	ND>0.0400	ND>0.0412
Phenanthrene	µg/L	79	19	TBD			ND>0.0377	ND>0.0400	ND>0.0400	0.0495
Anthracene	µg/L	87	21	TBD			ND>0.0377	ND>0.0400	ND>0.0400	ND>0.0412
Fluoranthene	µg/L	30	7.1	TBD			ND>0.0377	ND>0.0400	ND>0.0400	0.107
Pyrene	µg/L	42	10	TBD			ND>0.0377	ND>0.0400	ND>0.0400	0.103
Benzo(a)anthracene	µg/L	9.2	2.2	TBD			ND>0.0377	ND>0.0400	ND>0.0400	0.0611
Chrysene	µg/L	8.3	2.0	TBD			ND>0.0377	ND>0.0400	ND>0.0400	0.0636
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND>0.0377	ND>0.0400	ND>0.0400	0.118*
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND>0.0377	ND>0.0400	ND>0.0400	
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND>0.0377	ND>0.0400	ND>0.0400	0.0699
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND>0.0377	ND>0.0400	ND>0.0400	0.0659
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND>0.0377	ND>0.0400	ND>0.0400	ND>0.0412
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND>0.0377	ND>0.0400	ND>0.0400	0.0562

Notes: * Benzo(b+k)Fluoranthene(s) reported due to insufficient peak separation between Benzo(b) and Benzo(k)Fluoranthene.

N/AV - Result not yet available ND - Non Detect J - Not within quality control limits, estimated data

Above chronic criterion and background (and data not yet qualified)

Above acute criterion and background (and data not yet qualified)

* Value is the 90th percentile background value calculated during pre-construction, or the value of the highest background sample taken on the same day (whichever is higher).

Port of Portland Phase I Removal Action
Daily Reporting Template for Laboratory Parameters

Date:	8/22/2008
Time:	14:20
On-Time Result or Update:	On-Time Result
Construction Activity:	Berth 411 Dredging
Round of Sampling for Day (eg., 1st of 3 events):	3rd of 5 Sampling Events
Additional Comments:	Collected on 8/19/08
No criteria were exceeded	

Apex Work Order: A808179

					Sample I.D.:					
							BG S3A 01 (Time collected: 7:10)	T4 S3A N02 A (Time collected: 13:45)	T4 S3A N03 B (Time collected: 13:45)	T4 S3A N04 C (Time collected: 14:05)
		Acute	**Chronic**	**Highest**	**Background Location**			**Construction Location**		
Parameter	**Units**	**Criterion**	**Criterion**	**Background***	**Top**	**Middle**	**Bottom**	**Top**	**Middle**	**Bottom**
Conventional Parameters										
Total Suspended Solids (TSS)	mg/L	--	--	TBD			6.00	5.20	8.80	25.80
Metals[6]										
Cadmium	µg/L	0.5	0.09	TBD			ND>0.200	ND>0.200	ND>0.200	ND>0.200
Lead	µg/L	14	0.54	TBD			ND>1.00	ND>1.00	ND>1.00	ND>1.00
Zinc	µg/L	36	36	TBD			12.2	9.49	7.96	8.13
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND>0.0381	ND>0.0385	ND>0.0381	ND>0.0381
Acenaphthylene	µg/L	1277	307	TBD			ND>0.0381	ND>0.0385	ND>0.0381	ND>0.0381
Acenaphthene	µg/L	233	56	TBD			ND>0.0381	ND>0.0385	ND>0.0381	ND>0.0381
Fluorene	µg/L	162	39	TBD			ND>0.0381	ND>0.0385	ND>0.0381	ND>0.0381
Phenanthrene	µg/L	79	19	TBD			ND>0.0381	ND>0.0385	ND>0.0381	ND>0.0381
Anthracene	µg/L	87	21	TBD			ND>0.0381	ND>0.0385	ND>0.0381	ND>0.0381
Fluoranthene	µg/L	30	7.1	TBD			ND>0.0381	ND>0.0385	ND>0.0381	0.0689
Pyrene	µg/L	42	10	TBD			ND>0.0381	ND>0.0385	ND>0.0381	0.0683
Benzo(a)anthracene	µg/L	9.2	2.2	TBD			ND>0.0381	ND>0.0385	ND>0.0381	ND>0.0381
Chrysene	µg/L	8.3	2.0	TBD			ND>0.0381	ND>0.0385	ND>0.0381	0.0390
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND>0.0381	ND>0.0385	ND>0.0381	ND>0.0762
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND>0.0381	ND>0.0385	ND>0.0381	
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND>0.0381	ND>0.0385	ND>0.0381	ND>0.0381
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND>0.0381	ND>0.0385	ND>0.0381	0.0411
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND>0.0381	ND>0.0385	ND>0.0381	ND>0.0381
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND>0.0381	ND>0.0385	ND>0.0381	ND>0.0381

Notes: * Benzo(b+k)Fluoranthene(s) reported due to insufficient peak separation between Benzo(b) and Benzo(k)Fluoranthene.

N/AV - Result not yet available ND - Non Detect J - Not within quality control limits, estimated data

Above chronic criterion and background (and data not yet qualified)

Above acute criterion and background (and data not yet qualified)

* Value is the 90th percentile background value calculated during pre-construction, or the value of the highest background sample taken on the same day (whichever is higher).

Port of Portland Phase I Removal Action
Daily Reporting Template for Laboratory Parameters

Date:	08/22/08
Time:	14:30
On-Time Result or Update:	On-Time
Construction Activity:	Berth 411 Dredging
Round of Sampling for Day (eg., 1st of 3 events):	1st of 5 Sampling Events
Additional Comments:	Collected on 8/20/08
No exceedances reported	

Apex Work Order: A808186

					Sample I.D.:					
							BG 01 B WS 080820 (Time collected: 9:20)	T4 S3A NA WS 080820 (Time collected: 10:37)	T4 S3A NB WS 080820 (Time collected: 10:45)	T4 S3A NC WS 080820 (Time collected: 10:55)
					Background Location			**Construction Location**		
Parameter	**Units**	**Acute Criterion**	**Chronic Criterion**	**Highest Background***	**Top**	**Middle**	**Bottom**	**Top**	**Middle**	**Bottom**
Conventional Parameters										
Total Suspended Solids (TSS)	mg/L	--	--	TBD			10.4	7.60	12.4	21.6
Metals[6]										
Cadmium	µg/L	0.5	0.09	TBD			ND>0.200	ND>0.200	ND>0.200	ND>0.200
Lead	µg/L	14	0.54	TBD			ND>1.00	ND>1.00	ND>1.00	ND>1.00
Zinc	µg/L	36	36	TBD			12.3	10.3	11.7	8.22
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND>0.0381	ND>0.0377	ND>0.0381	ND>0.0377
Acenaphthylene	µg/L	1277	307	TBD			ND>0.0381	ND>0.0377	ND>0.0381	ND>0.0377
Acenaphthene	µg/L	233	56	TBD			ND>0.0381	ND>0.0377	ND>0.0381	ND>0.0377
Fluorene	µg/L	162	39	TBD			ND>0.0381	ND>0.0377	ND>0.0381	ND>0.0377
Phenanthrene	µg/L	79	19	TBD			ND>0.0381	ND>0.0377	ND>0.0381	0.0436
Anthracene	µg/L	87	21	TBD			ND>0.0381	ND>0.0377	ND>0.0381	ND>0.0377
Fluoranthene	µg/L	30	7.1	TBD			ND>0.0381	ND>0.0377	0.0472	0.0913
Pyrene	µg/L	42	10	TBD			ND>0.0381	ND>0.0377	0.0447	0.0860
Benzo(a)anthracene	µg/L	9.2	2.2	TBD			ND>0.0381	ND>0.0377	ND>0.0381	0.0488
Chrysene	µg/L	8.3	2.0	TBD			ND>0.0381	ND>0.0377	ND>0.0381	0.0511
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND>0.0381	ND>0.0377	ND>0.0381	ND>0.0377
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND>0.0381	ND>0.0377	ND>0.0381	
Benzo(b+k)fluoranthenes*	µg/L	2.7	0.64	TBD						0.0922*
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND>0.0381	ND>0.0377	ND>0.0381	0.0531
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND>0.0381	ND>0.0377	ND>0.0381	0.0529
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND>0.0381	ND>0.0377	ND>0.0381	ND>0.0377
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND>0.0381	ND>0.0377	ND>0.0381	0.0423

Notes: * Benzo(b+k)Fluoranthene(s) reported due to insufficient peak separation between Benzo(b) and Benzo(k)Fluoranthene.

N/AV - Result not yet available ND - Non Detect J - Not within quality control limits, estimated data

Above chronic criterion and background (and data not yet qualified)

Above acute criterion and background (and data not yet qualified)

* Value is the 90th percentile background value calculated during pre-construction, or the value of the highest background sample taken on the same day (whichever is higher).

Port of Portland Phase I Removal Action
Daily Reporting Template for Laboratory Parameters

Date:	08/22/08
Time:	16:30
On-Time Result or Update:	On-Time (Partial)
Construction Activity:	Dredging Berth 411 Area
Round of Sampling for Day (eg., 1st of 3 events):	1st of 3 Sampling Events
Additional Comments:	Collected on 08/21/08

Apex Work Order: A808207

					Sample I.D.:					
							BG 01 B WS 080821 (Time collected: 07:20)	T4 S3A NA WS 080821 (Time collected: 09:00)	T4 S3A NB WS 080821 (Time collected: 09:25)	T4 S3A NC WS 080821 (Time collected: 09:35)
					Background Location			**Construction Location**		
Parameter	**Units**	**Acute Criterion**	**Chronic Criterion**	**Highest Background***	**Top**	**Middle**	**Bottom**	**Top**	**Middle**	**Bottom**
Conventional Parameters										
Total Suspended Solids (TSS)	mg/L	--	--	TBD			6.8	10.6	20.4	25.8
Metals[6]										
Cadmium	µg/L	0.5	0.09	TBD			ND>0.200	ND>0.200	ND>0.200	ND>0.200
Lead	µg/L	14	0.54	TBD			ND>1.00	ND>1.00	ND>1.00	ND>1.00
Zinc	µg/L	36	36	TBD			11.8	10.5	8.71	7.93
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND>0.0377	ND>0.0421	ND>0.0404	ND>0.0408
Acenaphthylene	µg/L	1277	307	TBD			ND>0.0377	ND>0.0421	ND>0.0404	ND>0.0408
Acenaphthene	µg/L	233	56	TBD			ND>0.0377	ND>0.0421	ND>0.0404	ND>0.0408
Fluorene	µg/L	162	39	TBD			ND>0.0377	ND>0.0421	ND>0.0404	ND>0.0408
Phenanthrene	µg/L	79	19	TBD			ND>0.0377	ND>0.0421	0.0431	0.0836
Anthracene	µg/L	87	21	TBD			ND>0.0377	ND>0.0421	ND>0.0404	ND>0.0408
Fluoranthene	µg/L	30	7.1	TBD			ND>0.0377	0.0476	0.0977	0.194
Pyrene	µg/L	42	10	TBD			ND>0.0377	0.0469	0.0944	0.180
Benzo(a)anthracene	µg/L	9.2	2.2	TBD			ND>0.0377	ND>0.0421	0.0563	0.114
Chrysene	µg/L	8.3	2.0	TBD			ND>0.0377	ND>0.0421	0.0578	0.122
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND>0.0377	ND>0.0421		
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND>0.0377	ND>0.0421		
Benzo(b+k)fluoranthenes*	µg/L	2.7	0.64	TBD					0.111*	0.250*
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND>0.0377	ND>0.0421	0.0649	0.152
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND>0.0377	ND>0.0421	0.0618	0.123
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND>0.0377	ND>0.0421	ND>0.0404	ND>0.0408
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND>0.0377	ND>0.0421	0.0520	0.117

Notes: * Benzo(b+k)Fluoranthene(s) reported due to insufficient peak separation between Benzo(b) and Benzo(k)Fluoranthene.

N/AV - Result not yet available ND - Non Detect J - Not within quality control limits, estimated data

Above chronic criterion and background (and data not yet qualified)

Above acute criterion and background (and data not yet qualified)

* Value is the 90th percentile background value calculated during pre-construction, or the value of the highest background sample taken on the same day (whichever is higher).

Port of Portland Phase I Removal Action
Daily Reporting Template for Laboratory Parameters

Date:	08/25/08
Time:	14:30
On-Time Result or Update:	On-Time
Construction Activity:	Berth 411 Dredging
Round of Sampling for Day (eg., 1st of 3 events):	1st of 4 Sampling Events
Additional Comments:	Collected on 08/22/08

Apex Work Order: A808229

							Sample I.D.:				
							BG 01R C WS 080822 (Time collected: 08:20)	T4 S3A NA WS 080822 (Time collected: 09:30)	T4 S3A NB WS 080822 (Time collected: 09:45)	T4 S3A NC WS 080822 (Time collected: 09:55)	T4 S3A NC WS 080822 D (Time collected: 10:00)
					Background Location			**Construction Location**			
Parameter	**Units**	**Acute Criterion**	**Chronic Criterion**	**Highest Background***	**Top**	**Middle**	**Bottom**	**Top**	**Middle**	**Bottom**	**Bottom-D**
Conventional Parameters											
Total Suspended Solids (TSS)	mg/L	--	--	TBD			10.8	7.80	8.00	23.2	25.4
Metals[6]											
Cadmium	µg/L	0.5	0.09	TBD			ND>0.200	ND>0.200	ND>0.200	ND>0.200	ND>0.200
Lead	µg/L	14	0.54	TBD			ND>1.00	ND>1.00	ND>1.00	ND>1.00	ND>1.00
Zinc	µg/L	36	36	TBD			8.26	10.7	9.30	6.72	8.11
Polycyclic Aromatic Hydrocarbons (PAHs)											
Naphthalene	µg/L	807	194	TBD			ND>0.0408	ND>0.0388	ND>0.0392	ND>0.0400	ND>0.0396
Acenaphthylene	µg/L	1277	307	TBD			ND>0.0408	ND>0.0388	ND>0.0392	ND>0.0400	ND>0.0396
Acenaphthene	µg/L	233	56	TBD			ND>0.0408	ND>0.0388	ND>0.0392	ND>0.0400	ND>0.0396
Fluorene	µg/L	162	39	TBD			ND>0.0408	ND>0.0388	ND>0.0392	ND>0.0400	ND>0.0396
Phenanthrene	µg/L	79	19	TBD			ND>0.0408	ND>0.0388	ND>0.0392	ND>0.0400	ND>0.0396
Anthracene	µg/L	87	21	TBD			ND>0.0408	ND>0.0388	ND>0.0392	ND>0.0400	ND>0.0396
Fluoranthene	µg/L	30	7.1	TBD			ND>0.0408	ND>0.0388	ND>0.0392	0.0431	ND>0.0396
Pyrene	µg/L	42	10	TBD			ND>0.0408	ND>0.0388	ND>0.0392	0.0416	ND>0.0396
Benzo(a)anthracene	µg/L	9.2	2.2	TBD			ND>0.0408	ND>0.0388	ND>0.0392	ND>0.0400	ND>0.0396
Chrysene	µg/L	8.3	2.0	TBD			ND>0.0408	ND>0.0388	ND>0.0392	ND>0.0400	ND>0.0396
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND>0.0408	ND>0.0388	ND>0.0392	ND>0.0400	ND>0.0396
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND>0.0408	ND>0.0388	ND>0.0392	ND>0.0400	ND>0.0396
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND>0.0408	ND>0.0388	ND>0.0392	ND>0.0400	ND>0.0396
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND>0.0408	ND>0.0388	ND>0.0392	ND>0.0400	ND>0.0396
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND>0.0408	ND>0.0388	ND>0.0392	ND>0.0400	ND>0.0396
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND>0.0408	ND>0.0388	ND>0.0392	ND>0.0400	ND>0.0396

Notes:

N/AV - Result not yet available ND - Non Detect J - Not within quality control limits, estimated data

Above chronic criterion and background (and data not yet qualified)

Above acute criterion and background (and data not yet qualified)

* Value is the 90th percentile background value calculated during pre-construction, or the value of the highest background sample taken on the same day (whichever is higher).

Port of Portland Phase I Removal Action
Daily Reporting Template for Laboratory Parameters

Date:	08/26/08
Time:	14:30
On-Time Result or Update:	On-Time
Construction Activity:	Berth 411 Dredging
Round of Sampling for Day (eg., 1st of 3 even	1st of 4 sampling events
Additional Comments:	Collected on 8/23/08
No exceedances detected	

Apex Work Order: A808233

					Sample I.D.:					
							BG 01R C 080823 (Time collected: 9:30)	T4 S3A MA 080823 (Time collected: 11:00)	T4 S3A MB 080823 (Time collected: 11:15)	T4 S3A MC 080823 (Time collected: 11:30)
					Background Location			**Construction Location**		
Parameter	**Units**	**Acute Criterion**	**Chronic Criterion**	**Highest Background***	**Top**	**Middle**	**Bottom**	**Top**	**Middle**	**Bottom**
Conventional Parameters										
Total Suspended Solids (TSS)	mg/L	--	--	TBD			7.20	7.00	10.8	16.4
Metals[6]										
Cadmium	µg/L	0.5	0.09	TBD			ND>0.200	ND>0.200	ND>0.200	ND>0.200
Lead	µg/L	14	0.54	TBD			ND>1.00	ND>1.00	ND>1.00	ND>1.00
Zinc	µg/L	36	36	TBD			8.71	7.51	9.63	7.83
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND>0.0392	ND>0.0386	ND>0.0417	ND>0.0400
Acenaphthylene	µg/L	1277	307	TBD			ND>0.0392	ND>0.0386	ND>0.0417	ND>0.0400
Acenaphthene	µg/L	233	56	TBD			ND>0.0392	ND>0.0386	ND>0.0417	ND>0.0400
Fluorene	µg/L	162	39	TBD			ND>0.0392	ND>0.0386	ND>0.0417	ND>0.0400
Phenanthrene	µg/L	79	19	TBD			ND>0.0392	ND>0.0386	ND>0.0417	ND>0.0400
Anthracene	µg/L	87	21	TBD			ND>0.0392	ND>0.0386	ND>0.0417	ND>0.0400
Fluoranthene	µg/L	30	7.1	TBD			ND>0.0392	ND>0.0386	ND>0.0417	0.0857
Pyrene	µg/L	42	10	TBD			ND>0.0392	ND>0.0386	ND>0.0417	0.0839
Benz(a)anthracene	µg/L	9.2	2.2	TBD			ND>0.0392	ND>0.0386	ND>0.0417	0.0538
Chrysene	µg/L	8.3	2.0	TBD			ND>0.0392	ND>0.0386	ND>0.0417	ND>0.0400
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND>0.0392	ND>0.0386	ND>0.0417	0.0500
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND>0.0392	ND>0.0386	ND>0.0417	
Benzo(b+k)fluoranthenes*	µg/L			TBD						0.0982
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND>0.0392	ND>0.0386	ND>0.0417	0.0562
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND>0.0392	ND>0.0386	ND>0.0417	0.0546
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND>0.0392	ND>0.0386	ND>0.0417	ND>0.0400
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND>0.0392	ND>0.0386	ND>0.0417	0.0420

Notes: * Benzo(b+k)Fluoranthene(s) reported due to insufficient peak separation between Benzo(b) and Benzo(k)Fluoranthene.

N/AV - Result not yet available ND - Non Detect J - Not within quality control limits, estimated data

Above chronic criterion and background (and data not yet qualified)

Above acute criterion and background (and data not yet qualified)

* Value is the 90th percentile background value calculated during pre-construction, or the value of the highest background sample taken on the same day (whichever is higher).

Port of Portland Phase I Removal Action
Daily Reporting Template for Laboratory Parameters

Date:	08/27/08
Time:	14:30
On-Time Result or Update:	On-Time
Construction Activity:	Berth 411 Dredging
Round of Sampling for Day (eg., 1st of 3 events):	3rd of 4 Sampling Events
Additional Comments:	Collected on 8/24/08
No exceedances detected	

Apex Work Order: A808232

					Sample I.D.:					
							BG 3SA 01R C WS 080824 (Time collected: 13:20)	T4 S3A N A WS 080824 (Time collected: 13:40)	T4 S3A N B WS 080824 (Time collected: 13:45)	T4 S3A N C WS 080824 (Time collected: 14:15)
					Background Location			**Construction Location**		
Parameter	**Units**	**Acute Criterion**	**Chronic Criterion**	**Highest Background***	**Top**	**Middle**	**Bottom**	**Top**	**Middle**	**Bottom**
Conventional Parameters										
Total Suspended Solids (TSS)	mg/L	--	--	TBD			14.4	4.60	5.20	17
Metals[6]										
Cadmium	µg/L	0.5	0.09	TBD			ND>0.200	ND>0.200	ND>0.200	ND>0.200
Lead	µg/L	14	0.54	TBD			ND>1.00	ND>1.00	ND>1.00	ND>1.00
Zinc	µg/L	36	36	TBD			6.34	12.7	9.53	6.06
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND>0.0396	ND>0.0385	ND>0.0385	ND>0.0381
Acenaphthylene	µg/L	1277	307	TBD			ND>0.0396	ND>0.0385	ND>0.0385	ND>0.0381
Acenaphthene	µg/L	233	56	TBD			ND>0.0396	ND>0.0385	ND>0.0385	ND>0.0381
Fluorene	µg/L	162	39	TBD			ND>0.0396	ND>0.0385	ND>0.0385	ND>0.0381
Phenanthrene	µg/L	79	19	TBD			ND>0.0396	ND>0.0385	ND>0.0385	ND>0.0381
Anthracene	µg/L	87	21	TBD			ND>0.0396	ND>0.0385	ND>0.0385	ND>0.0381
Fluoranthene	µg/L	30	7.1	TBD			ND>0.0396	ND>0.0385	ND>0.0385	ND>0.0381
Pyrene	µg/L	42	10	TBD			ND>0.0396	ND>0.0385	ND>0.0385	ND>0.0381
Benz(a)anthracene	µg/L	9.2	2.2	TBD			ND>0.0396	ND>0.0385	ND>0.0385	ND>0.0381
Chrysene	µg/L	8.3	2.0	TBD			ND>0.0396	ND>0.0385	ND>0.0385	ND>0.0381
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND>0.0396	ND>0.0385	ND>0.0385	ND>0.0381
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND>0.0396	ND>0.0385	ND>0.0385	ND>0.0381
Benzo(b+k)fluoranthenes*	µg/L			TBD						
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND>0.0396	ND>0.0385	ND>0.0385	ND>0.0381
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND>0.0396	ND>0.0385	ND>0.0385	ND>0.0381
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND>0.0396	ND>0.0385	ND>0.0385	ND>0.0381
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND>0.0396	ND>0.0385	ND>0.0385	ND>0.0381

Notes: * Benzo(b+k)Fluoranthene(s) reported due to insufficient peak separation between Benzo(b) and Benzo(k)Fluoranthene.

N/AV - Result not yet available ND - Non Detect J - Not within quality control limits, estimated data

Above chronic criterion and background (and data not yet qualified)

Above acute criterion and background (and data not yet qualified)

* Value is the 90th percentile background value calculated during pre-construction, or the value of the highest background sample taken on the same day (whichever is higher).

Port of Portland Phase I Removal Action
Daily Reporting Template for Laboratory Parameters

Date:	08/27/08
Time:	14:30
On-Time Result or Update:	On-Time
Construction Activity:	Berth 411 Dredging
Round of Sampling for Day (eg., 1st of 3 events):	1st of 3 Sampling Events
Additional Comments:	Collected on 8/25/08

Apex Work Order: A808237

					Sample I.D.:					
							BG 01R WS 080825 (Time collected: 9:45)	T4 S3A N A WS 080825 (Time collected: 10:00)	T4 S3A N B WS 080825 (Time collected: 10:15)	T4 S3A N C WS 080825 (Time collected: 10:45)
					Background Location			**Construction Location**		
Parameter	**Units**	**Acute Criterion**	**Chronic Criterion**	**Highest Background***	**Top**	**Middle**	**Bottom**	**Top**	**Middle**	**Bottom**
Conventional Parameters										
Total Suspended Solids (TSS)	mg/L	--	--	TBD			4.60	6.20	8.40	15.6
Metals[6]										
Cadmium	µg/L	0.5	0.09	TBD			ND>2.00	0.500	ND>2.00	ND>2.00
Lead	µg/L	14	0.54	TBD			ND>1.00	ND>1.00	ND>1.00	ND>1.00
Zinc	µg/L	36	36	TBD			9.43	8.41	9.41	6.86
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND>0.0381	ND>0.0388	ND>0.0374	ND>0.0377
Acenaphthylene	µg/L	1277	307	TBD			ND>0.0381	ND>0.0388	ND>0.0374	ND>0.0377
Acenaphthene	µg/L	233	56	TBD			ND>0.0381	ND>0.0388	ND>0.0374	ND>0.0377
Fluorene	µg/L	162	39	TBD			ND>0.0381	ND>0.0388	ND>0.0374	ND>0.0377
Phenanthrene	µg/L	79	19	TBD			ND>0.0381	ND>0.0388	ND>0.0374	ND>0.0377
Anthracene	µg/L	87	21	TBD			ND>0.0381	ND>0.0388	ND>0.0374	ND>0.0377
Fluoranthene	µg/L	30	7.1	TBD			ND>0.0381	ND>0.0388	ND>0.0374	ND>0.0377
Pyrene	µg/L	42	10	TBD			ND>0.0381	ND>0.0388	ND>0.0374	ND>0.0377
Benz(a)anthracene	µg/L	9.2	2.2	TBD			ND>0.0381	ND>0.0388	ND>0.0374	ND>0.0377
Chrysene	µg/L	8.3	2.0	TBD			ND>0.0381	ND>0.0388	ND>0.0374	ND>0.0377
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND>0.0381	ND>0.0388	ND>0.0374	ND>0.0377
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND>0.0381	ND>0.0388	ND>0.0374	ND>0.0377
Benzo(b+k)fluoranthenes*	µg/L			TBD						
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND>0.0381	ND>0.0388	ND>0.0374	ND>0.0377
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND>0.0381	ND>0.0388	ND>0.0374	ND>0.0377
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND>0.0381	ND>0.0388	ND>0.0374	ND>0.0377
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND>0.0381	ND>0.0388	ND>0.0374	ND>0.0377

Notes: * Benzo(b+k)Fluoranthene(s) reported due to insufficient peak separation between Benzo(b) and Benzo(k)Fluoranthene.

N/AV - Result not yet available ND - Non Detect J - Not within quality control limits, estimated data

Above chronic criterion and background (and data not yet qualified)

Above acute criterion and background (and data not yet qualified)

* Value is the 90th percentile background value calculated during pre-construction, or the value of the highest background sample taken on the same day (whichever is higher).

Port of Portland Phase I Removal Action
Daily Reporting Template for Laboratory Parameters

Date:	09/05/08
Time:	17:45
On-Time Result or Update:	On-Time
Construction Activity:	Dredging Berth 410 Area
Round of Sampling for Day (eg., 1st of 3 events):	1st of 1 Sampling Event
Additional Comments:	Collected on 9/2/08
No exceedanced detected	

Apex Work Order: A809020

					Sample I.D.:					
							BG 01R C WS 080902 (Time collected: 11:30)	410 M A WS 080902 (Time collected: 16:15)	410 M B WS 080902 (Time collected: 16:20)	410 M C WS 080902 (Time collected: 16:25)
					Background Location			**Construction Location**		
Parameter	**Units**	**Acute Criterion**	**Chronic Criterion**	**Highest Background***	**Top**	**Middle**	**Bottom**	**Top**	**Middle**	**Bottom**
Conventional Parameters										
Total Suspended Solids (TSS)	mg/L	--	--	TBD			12.2	5.60	11.4	17.2
Metals[6]										
Cadmium	µg/L	0.5	0.09	TBD						
Lead	µg/L	14	0.54	TBD						
Zinc	µg/L	36	36	TBD						
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND>0.0400	ND>0.0400	ND>0.0385	ND>0.0388
Acenaphthylene	µg/L	1277	307	TBD			ND>0.0400	ND>0.0400	ND>0.0385	ND>0.0388
Acenaphthene	µg/L	233	56	TBD			ND>0.0400	ND>0.0400	ND>0.0385	ND>0.0388
Fluorene	µg/L	162	39	TBD			ND>0.0400	ND>0.0400	ND>0.0385	ND>0.0388
Phenanthrene	µg/L	79	19	TBD			ND>0.0400	ND>0.0400	ND>0.0385	ND>0.0388
Anthracene	µg/L	87	21	TBD			ND>0.0400	ND>0.0400	ND>0.0385	ND>0.0388
Fluoranthene	µg/L	30	7.1	TBD			ND>0.0400	ND>0.0400	ND>0.0385	ND>0.0388
Pyrene	µg/L	42	10	TBD			ND>0.0400	ND>0.0400	ND>0.0385	ND>0.0388
Benz(a)anthracene	µg/L	9.2	2.2	TBD			ND>0.0400	ND>0.0400	ND>0.0385	ND>0.0388
Chrysene	µg/L	8.3	2.0	TBD			ND>0.0400	ND>0.0400	ND>0.0385	ND>0.0388
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND>0.0400	ND>0.0400	ND>0.0385	ND>0.0388
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND>0.0400	ND>0.0400	ND>0.0385	ND>0.0388
Benzo(b+k)fluoranthenes*	µg/L			TBD						
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND>0.0400	ND>0.0400	ND>0.0385	ND>0.0388
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND>0.0400	ND>0.0400	ND>0.0385	ND>0.0388
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND>0.0400	ND>0.0400	ND>0.0385	ND>0.0388
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND>0.0400	ND>0.0400	ND>0.0385	ND>0.0388

Notes:

N/AV - Result not yet available ND - Non Detect J - Not within quality control limits, estimated data

Above chronic criterion and background (and data not yet qualified)

Above acute criterion and background (and data not yet qualified)

* Value is the 90th percentile background value calculated during pre-construction, or the value of the highest background sample taken on the same day (whichever is higher).

Port of Portland Phase I Removal Action
Daily Reporting Template for Laboratory Parameters

Date:	09/15/08
Time:	15:30
On-Time Result or Update:	On-Time
Construction Activity:	Capping at the Head of Slip 3 and Piling Removal
Round of Sampling for Day (eg., 1st of 3 events):	2nd of 3 Sampling Events
Additional Comments:	Samples collected on 9/12/08
No exceedances detected; revised with reporting limits	

Apex Work Order: A809126

					Sample I.D.:					
							T4 BG 01R C WS 080912 (Time collected: 10:30)	T4 S3B N A WS 080912 (Time collected: 12:15)	T4 S3B N B WS 080912 (Time collected: 12:25)	T4 S3B N C WS 080912 (Time collected: 12:35)
					Background Location			**Construction Location**		
Parameter	**Units**	**Acute Criterion**	**Chronic Criterion**	**Highest Background***	**Top**	**Middle**	**Bottom**	**Top**	**Middle**	**Bottom**
Conventional Parameters										
Total Suspended Solids (TSS)	mg/L	--	--	TBD			11.4	4.20	6.40	25.2
Metals[6]										
Cadmium	µg/L	0.5	0.09	TBD			ND>0.200	ND>0.200	ND>0.200	ND>0.200
Lead	µg/L	14	0.54	TBD			ND>1.0	1.68	ND>1.0	ND>1.0
Zinc	µg/L	36	36	TBD			8.99	7.69	8.77	7.88
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Acenaphthylene	µg/L	1277	307	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Acenaphthene	µg/L	233	56	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Fluorene	µg/L	162	39	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Phenanthrene	µg/L	79	19	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Anthracene	µg/L	87	21	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Fluoranthene	µg/L	30	7.1	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Pyrene	µg/L	42	10	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Benzo(a)anthracene	µg/L	9.2	2.2	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Chrysene	µg/L	8.3	2.0	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375

Notes:

N/AV - Result not yet available ND - Non Detect J - Not within quality control limits, estimated data

Above chronic criterion and background (and data not yet qualified)

Above acute criterion and background (and data not yet qualified)

* Value is the 90th percentile background value calculated during pre-construction, or the value of the highest background sample taken on the same day (whichever is higher).

Port of Portland Phase I Removal Action
Daily Reporting Template for Laboratory Parameters

Date:	9/16/2008
Time:	12:45
On-Time Result or Update:	On-Time
Construction Activity:	Capping at the Head of Slip 3
Round of Sampling for Day (eg., 1st of 3 events):	3rd of 3 Sampling Events
Additional Comments:	Samples collected on 9/13/08
No exceedances detected	

Apex Work Order: A809132

					Sample I.D.:					
							T4 BG 01R C WS 080913 (Time collected: 7:05)	T4 S3B M A WS 080913 (Time collected: 11:35)	T4 S3B M B WS 080913 (Time collected: 11:40)	T4 S3B M C WS 080913 (Time collected: 11:45)
					Background Location			**Construction Location**		
Parameter	**Units**	**Acute Criterion**	**Chronic Criterion**	**Highest Background***	**Top**	**Middle**	**Bottom**	**Top**	**Middle**	**Bottom**
Conventional Parameters										
Total Suspended Solids (TSS)	mg/L	--	--	TBD			11.40	8.80	12.00	29.20
Metals[6]										
Cadmium	µg/L	0.5	0.09	TBD			ND>0.200	ND>0.200	ND>0.200	ND>0.200
Lead	µg/L	14	0.54	TBD			ND>1.0	ND>1.0	ND>1.0	ND>1.0
Zinc	µg/L	36	36	TBD			8.21	11.4	9.66	9.59
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND>0.0384	ND>0.0378	ND>0.0381	ND>0.0379
Acenaphthylene	µg/L	1277	307	TBD			ND>0.0384	ND>0.0378	ND>0.0381	ND>0.0379
Acenaphthene	µg/L	233	56	TBD			ND>0.0384	ND>0.0378	ND>0.0381	ND>0.0379
Fluorene	µg/L	162	39	TBD			ND>0.0384	ND>0.0378	ND>0.0381	ND>0.0379
Phenanthrene	µg/L	79	19	TBD			ND>0.0384	ND>0.0378	ND>0.0381	ND>0.0379
Anthracene	µg/L	87	21	TBD			ND>0.0384	ND>0.0378	ND>0.0381	ND>0.0379
Fluoranthene	µg/L	30	7.1	TBD			ND>0.0384	ND>0.0378	ND>0.0381	ND>0.0379
Pyrene	µg/L	42	10	TBD			ND>0.0384	ND>0.0378	ND>0.0381	ND>0.0379
Benzo(a)anthracene	µg/L	9.2	2.2	TBD			ND>0.0384	ND>0.0378	ND>0.0381	ND>0.0379
Chrysene	µg/L	8.3	2.0	TBD			ND>0.0384	ND>0.0378	ND>0.0381	ND>0.0379
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND>0.0384	ND>0.0378	ND>0.0381	ND>0.0379
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND>0.0384	ND>0.0378	ND>0.0381	ND>0.0379
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND>0.0384	ND>0.0378	ND>0.0381	ND>0.0379
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND>0.0384	ND>0.0378	ND>0.0381	ND>0.0379
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND>0.0384	ND>0.0378	ND>0.0381	ND>0.0379
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND>0.0384	ND>0.0378	ND>0.0381	ND>0.0379

Notes:

N/AV - Result not yet available ND - Non Detect J - Not within quality control limits, estimated data

Above chronic criterion and background (and data not yet qualified)

Above acute criterion and background (and data not yet qualified)

* Value is the 90th percentile background value calculated during pre-construction, or the value of the highest background sample taken on the same day (whichever is higher).

Port of Portland Phase I Removal Action
Daily Reporting Template for Laboratory Parameters

Date:	09/18/08
Time:	12:45
On-Time Result or Update:	On-Time
Construction Activity:	Capping at the Head of Slip 3
Round of Sampling for Day (eg., 1st of 3 events):	1st of 3 Sampling Events
Additional Comments:	Samples collected on 9/15/08
No exceedances detected	

Apex Work Order: A809135

					Sample I.D.:					
							BG 01R C WS 080915 (Time collected: 8:10)	T4 S3B M A WS 080915 (Time collected: 8:55)	T4 S3B M B WS 080915 (Time collected: 9:00)	T4 S3B M C WS 080915 (Time collected: 9:05)
					Background Location			Construction Location		
Parameter	**Units**	**Acute Criterion**	**Chronic Criterion**	**Highest Background***	**Top**	**Middle**	**Bottom**	**Top**	**Middle**	**Bottom**
Conventional Parameters										
Total Suspended Solids (TSS)	mg/L	--	--	TBD			12.2	6.00	11.4	33.2
Metals[6]										
Cadmium	µg/L	0.5	0.09	TBD			ND>0.200	ND>0.200	ND>0.200	ND>0.200
Lead	µg/L	14	0.54	TBD			ND>1	ND>1	ND>1	ND>1
Zinc	µg/L	36	36	TBD			9.42	11.8	8.89	9.54
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Acenaphthylene	µg/L	1277	307	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Acenaphthene	µg/L	233	56	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Fluorene	µg/L	162	39	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Phenanthrene	µg/L	79	19	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Anthracene	µg/L	87	21	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Fluoranthene	µg/L	30	7.1	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Pyrene	µg/L	42	10	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Benz(a)anthracene	µg/L	9.2	2.2	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Chrysene	µg/L	8.3	2.0	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377

Notes:

N/AV - Result not yet available ND - Non Detect J - Not within quality control limits, estimated data

Above chronic criterion and background (and data not yet qualified)

Above acute criterion and background (and data not yet qualified)

* Value is the 90th percentile background value calculated during pre-construction, or the value of the highest background sample taken on the same day (whichever is higher).

Port of Portland Phase I Removal Action
Daily Reporting Template for Laboratory Parameters

Date:	09/19/08
Time:	16:50
On-Time Result or Update:	On-Time
Construction Activity:	Capping at the Head of Slip 3
Round of Sampling for Day (eg., 1st of 3 events):	3rd of 3 Sampling Events
Additional Comments:	Collected on 9/16/08
No exceedances detected	

Apex Work Order: A809159

					Sample I.D.:					
							T4 BG 01R C WS 080916 (Time collected: 7:55)	T4 S3B N A WS 080916 (Time collected: 15:40)	T4 S3B N B WS 080916 (Time collected: 15:50)	T4 S3B N C WS 080916 (Time collected: 16:00)
					Background Location			**Construction Location**		
Parameter	**Units**	**Acute Criterion**	**Chronic Criterion**	**Highest Background***	**Top**	**Middle**	**Bottom**	**Top**	**Middle**	**Bottom**
Conventional Parameters										
Total Suspended Solids (TSS)	mg/L	--	--	TBD			14.8	4.60	9.4	13.2
Metals[6]										
Cadmium	µg/L	0.5	0.09	TBD			ND>0.200	ND>0.200	ND>0.200	ND>0.200
Lead	µg/L	14	0.54	TBD			ND>1	ND>1	ND>1	ND>1
Zinc	µg/L	36	36	TBD			8.06	6.11	5.44	5.36
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Acenaphthylene	µg/L	1277	307	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Acenaphthene	µg/L	233	56	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Fluorene	µg/L	162	39	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Phenanthrene	µg/L	79	19	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Anthracene	µg/L	87	21	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Fluoranthene	µg/L	30	7.1	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Pyrene	µg/L	42	10	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Benz(a)anthracene	µg/L	9.2	2.2	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Chrysene	µg/L	8.3	2.0	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374

Notes:

N/AV - Result not yet available ND - Non Detect J - Not within quality control limits, estimated data

Above chronic criterion and background (and data not yet qualified)

Above acute criterion and background (and data not yet qualified)

* Value is the 90th percentile background value calculated during pre-construction, or the value of the highest background sample taken on the same day (whichever is higher).

Port of Portland Phase I Removal Action
Daily Reporting Template for Laboratory Parameters

Date:	09/19/08
Time:	17:00
On-Time Result or Update:	On-Time
Construction Activity:	Capping at the Head of Slip 3
Round of Sampling for Day (eg., 1st of 3 events):	2nd of 4 Sampling Events
Additional Comments:	Samples collected on 9/17/08
	No exceedances detected

Apex Work Order: A809170

					Sample I.D.:					
							T4 BG 01 C WS 080917 (Time collected: 9:40)	T4 S3B N A WS 080917 (Time collected: 10:50)	T4 S3B N B WS 080917 (Time collected: 10:55)	T4 S3B N C WS 080917 (Time collected: 11:00)
					Background Location			**Construction Location**		
Parameter	**Units**	**Acute Criterion**	**Chronic Criterion**	**Highest Background***	**Top**	**Middle**	**Bottom**	**Top**	**Middle**	**Bottom**
Conventional Parameters										
Total Suspended Solids (TSS)	mg/L	--	--	TBD			9.4	7.60	9.8	21.4
Metals[6]										
Cadmium	µg/L	0.5	0.09	TBD			ND>0.200	ND>0.200	ND>0.200	ND>0.200
Lead	µg/L	14	0.54	TBD			ND>1	ND>1	ND>1	ND>1
Zinc	µg/L	36	36	TBD			6.77	7.66	8.38	6.93
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Acenaphthylene	µg/L	1277	307	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Acenaphthene	µg/L	233	56	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Fluorene	µg/L	162	39	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Phenanthrene	µg/L	79	19	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Anthracene	µg/L	87	21	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Fluoranthene	µg/L	30	7.1	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Pyrene	µg/L	42	10	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Benz(a)anthracene	µg/L	9.2	2.2	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Chrysene	µg/L	8.3	2.0	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381

Notes:

N/AV - Result not yet available ND - Non Detect J - Not within quality control limits, estimated data

Above chronic criterion and background (and data not yet qualified)

Above acute criterion and background (and data not yet qualified)

* Value is the 90th percentile background value calculated during pre-construction, or the value of the highest background sample taken on the same day (whichever is higher).

Port of Portland Phase I Removal Action
Daily Reporting Template for Laboratory Parameters

Date:	09/26/08
Time:	4:00
On-Time Result or Update:	On-Time
Construction Activity:	Capping at the Head of Slip 3
Round of Sampling for Day (eg., 1st of 3 events):	1st of 1 Sampling Event
Additional Comments:	Samples collected on 09/23/08
No exceedances detected	

Apex Work Order: A809236

					Sample I.D.:					
							T4 BG 01R C WS 080923 (Time collected: 11:25)	T4 S3B S A WS 080923 (Time collected: 14:25)	T4 S3B S B WS 080923 (Time collected: 14:30)	T4 S3B S C WS 080923 (Time collected: 14:35)
					Background Location			Construction Location		
Parameter	**Units**	**Acute Criterion**	**Chronic Criterion**	**Highest Background***	**Top**	**Middle**	**Bottom**	**Top**	**Middle**	**Bottom**
Conventional Parameters										
Total Suspended Solids (TSS)	mg/L	--	--	TBD			9.80	4.00	3.40	6.4
Metals[6]										
Cadmium	µg/L	0.5	0.09	TBD			ND>0.20	ND>0.20	ND>0.20	ND>0.20
Lead	µg/L	14	0.54	TBD			ND>1.0	ND>1.0	ND>1.0	ND>1.0
Zinc	µg/L	36	36	TBD			8.04	8.23	6.18	6.11
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND>0.0385	ND>0.0381	ND>0.0377	ND>0.0377
Acenaphthylene	µg/L	1277	307	TBD			ND>0.0385	ND>0.0381	ND>0.0377	ND>0.0377
Acenaphthene	µg/L	233	56	TBD			ND>0.0385	ND>0.0381	ND>0.0377	ND>0.0377
Fluorene	µg/L	162	39	TBD			ND>0.0385	ND>0.0381	ND>0.0377	ND>0.0377
Phenanthrene	µg/L	79	19	TBD			ND>0.0385	ND>0.0381	ND>0.0377	ND>0.0377
Anthracene	µg/L	87	21	TBD			ND>0.0385	ND>0.0381	ND>0.0377	ND>0.0377
Fluoranthene	µg/L	30	7.1	TBD			ND>0.0385	ND>0.0381	ND>0.0377	ND>0.0377
Pyrene	µg/L	42	10	TBD			ND>0.0385	ND>0.0381	ND>0.0377	ND>0.0377
Benzo(a)anthracene	µg/L	9.2	2.2	TBD			ND>0.0385	ND>0.0381	ND>0.0377	ND>0.0377
Chrysene	µg/L	8.3	2.0	TBD			ND>0.0385	ND>0.0381	ND>0.0377	ND>0.0377
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND>0.0385	ND>0.0381	ND>0.0377	ND>0.0377
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND>0.0385	ND>0.0381	ND>0.0377	ND>0.0377
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND>0.0385	ND>0.0381	ND>0.0377	ND>0.0377
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND>0.0385	ND>0.0381	ND>0.0377	ND>0.0377
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND>0.0385	ND>0.0381	ND>0.0377	ND>0.0377
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND>0.0385	ND>0.0381	ND>0.0377	ND>0.0377

Notes:

N/AV - Result not yet available ND - Non Detect J - Not within quality control limits, estimated data

Above chronic criterion and background (and data not yet qualified)

Above acute criterion and background (and data not yet qualified)

* Value is the 90th percentile background value calculated during pre-construction, or the value of the highest background sample taken on the same day (whichever is higher).