

Figure D1 Dissolved Oxygen (mg/L) at the surface and mid-depth, dissolved oxygen (mg/L) near the bottom and depth-averaged turbidity (NTU) of water samples measured at all the impact monitoring stations within Zone A on 7 August 2009.



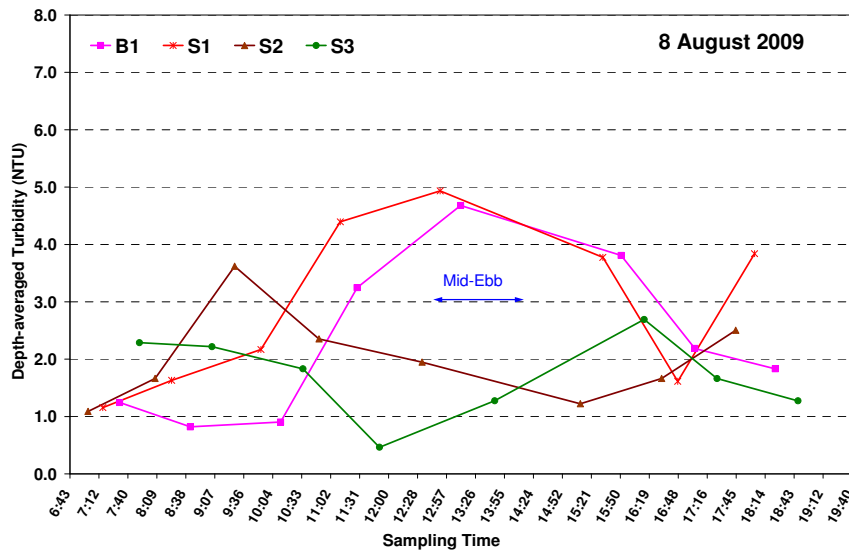
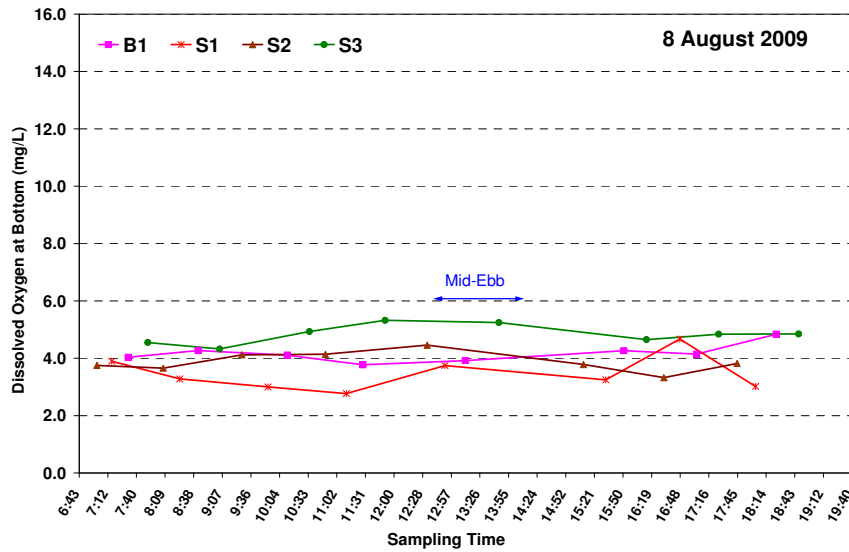
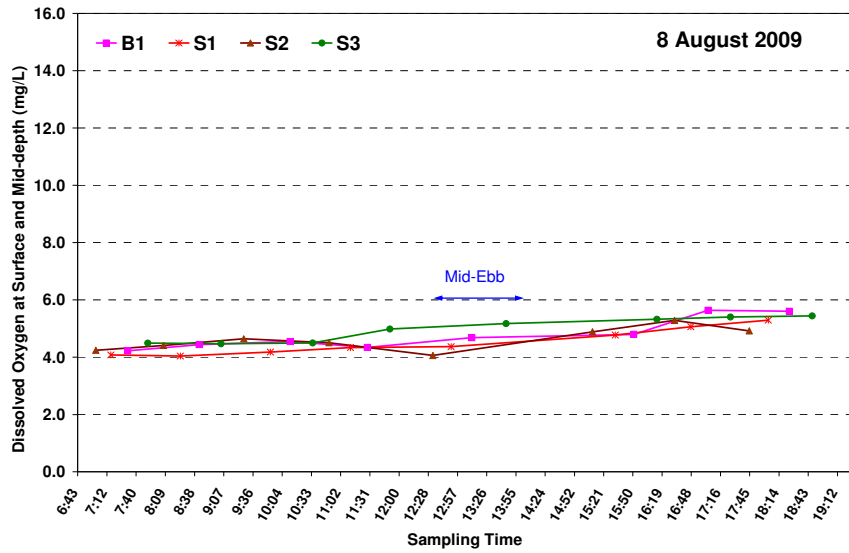


Figure D2 Dissolved Oxygen (mg/L) at the surface and mid-depth, dissolved oxygen (mg/L) near the bottom and depth-averaged turbidity (NTU) of water samples measured at all the impact monitoring stations in Zones A on 8 August 2009.

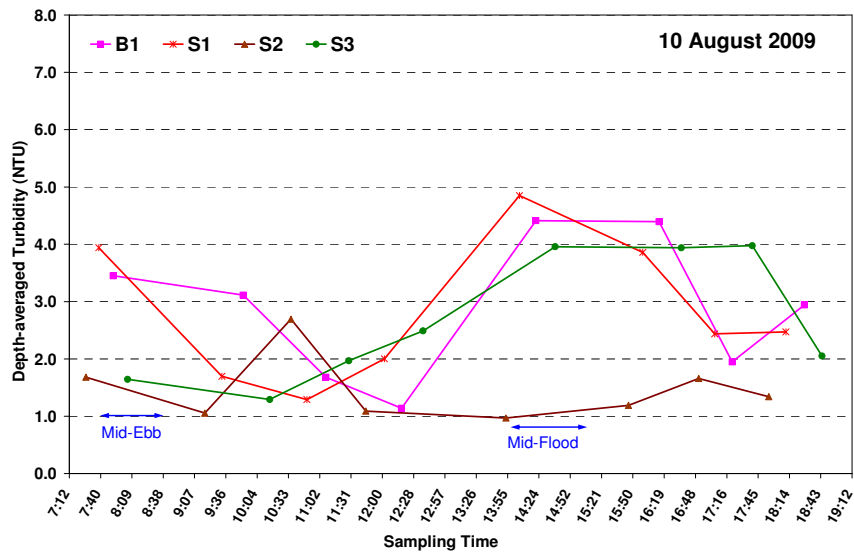
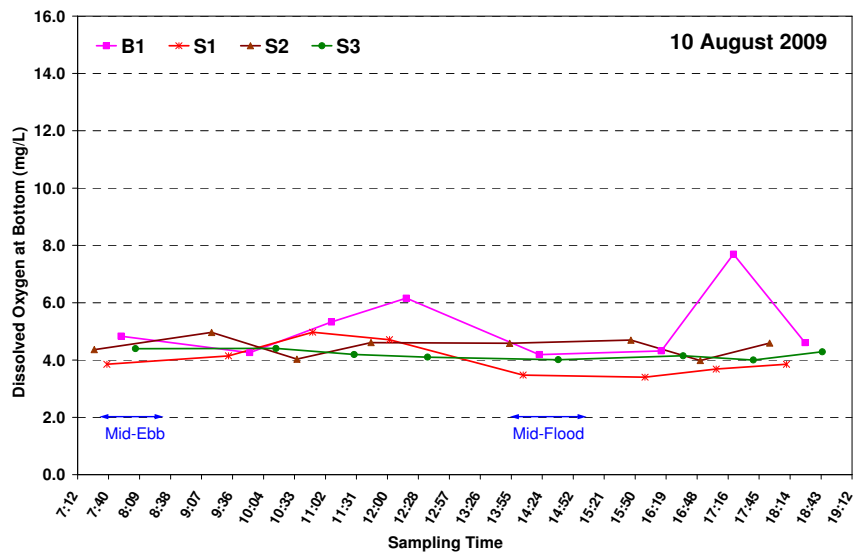
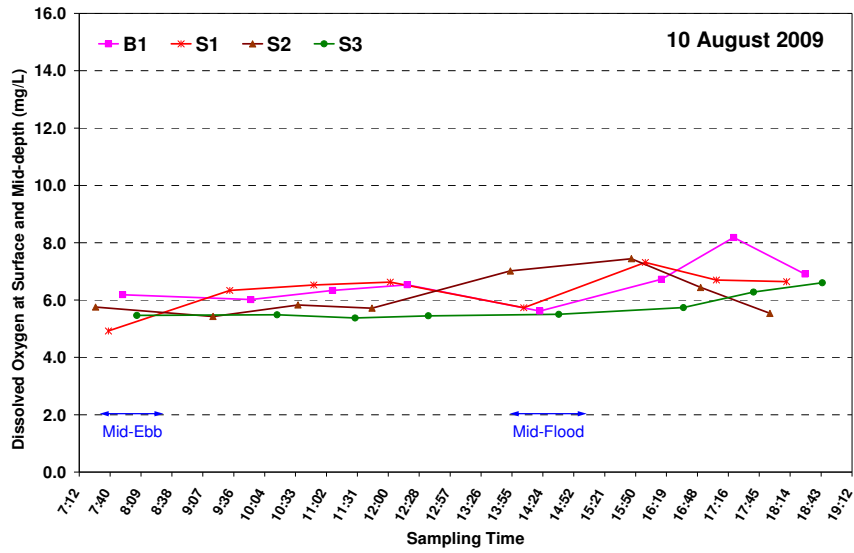


Figure D3 Dissolved Oxygen (mg/L) at the surface and mid-depth, dissolved oxygen (mg/L) near the bottom and depth-averaged turbidity (NTU) of water samples measured at all the impact monitoring stations in Zones B to D on 10 August 2009.

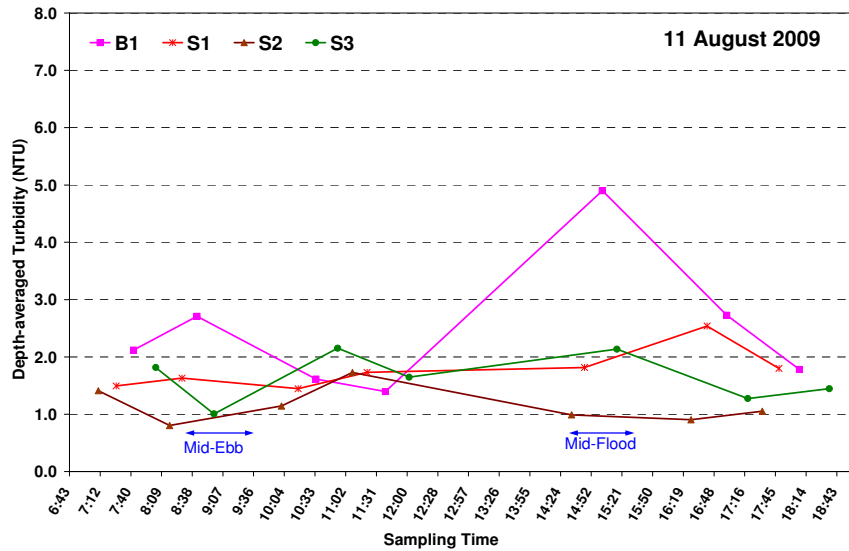
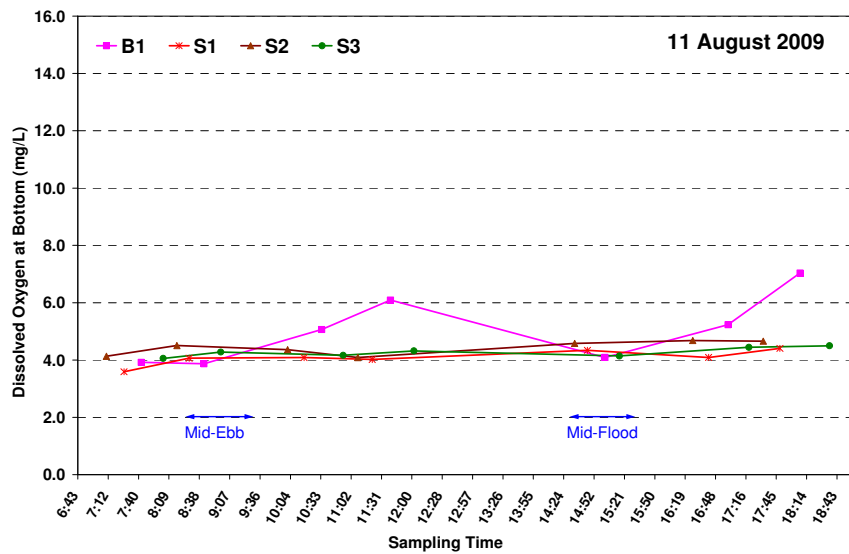
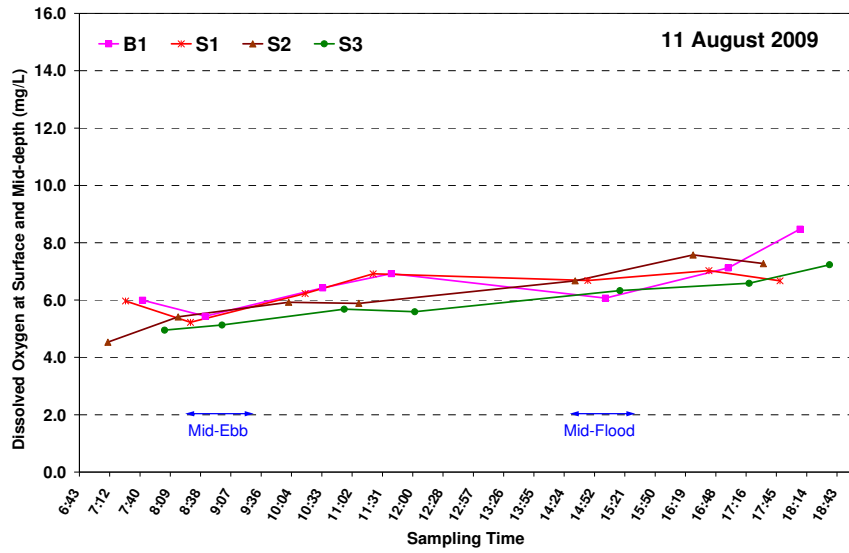


Figure D4 Dissolved Oxygen (mg/L) at the surface and mid-depth, dissolved oxygen (mg/L) near the bottom and depth-averaged turbidity (NTU) of water samples measured at all the impact monitoring stations within Zone A on 11 August 2009.



Annex D Continuous *In-situ* Measurement Data

Zone	Station	Sampling Date	Time	Depth (m)	Depth	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)
A	S2	7/8/2009	7:05:19	7.8	B	27.62	30.03	64.5	4.30	1.2
A	S2	7/8/2009	7:06:12	7.8	B	27.55	30.02	61.3	4.09	1.5
A	S2	7/8/2009	7:07:24	5.5	M	27.67	30.01	64.0	4.26	1.2
A	S2	7/8/2009	7:08:25	5.5	M	27.72	30.05	65.2	4.34	1.1
A	S2	7/8/2009	7:09:21	0.8	S	27.63	29.62	66.1	4.42	0.9
A	S2	7/8/2009	7:10:16	0.8	S	27.58	29.50	66.7	4.46	0.8
A	S1	7/8/2009	7:20:31	7.9	B	27.48	30.16	58.4	3.90	2.3
A	S1	7/8/2009	7:21:25	7.9	B	27.45	30.14	55.0	3.67	2.5
A	S1	7/8/2009	7:22:48	4.0	M	27.54	29.92	48.0	3.21	2.5
A	S1	7/8/2009	7:23:46	4.0	M	27.56	29.86	50.1	3.35	2.2
A	S1	7/8/2009	7:25:11	1.1	S	27.52	29.51	55.7	3.73	1.2
A	S1	7/8/2009	7:26:07	1.1	S	27.55	29.59	53.9	3.60	1.4
A	B1	7/8/2009	7:36:01	5.9	B	27.45	30.08	53.0	3.54	2.7
A	B1	7/8/2009	7:37:15	5.9	B	27.45	30.09	48.9	3.27	2.9
A	B1	7/8/2009	7:38:50	3.7	M	27.45	30.07	52.8	3.53	2.4
A	B1	7/8/2009	7:39:47	3.7	M	27.45	30.07	52.8	3.52	2.5
A	B1	7/8/2009	7:41:23	1.2	S	27.55	29.78	54.1	3.61	2.1
A	B1	7/8/2009	7:42:18	1.2	S	27.58	29.67	56.7	3.79	1.9
A	S3	7/8/2009	7:56:11	10.1	B	27.39	30.64	53.3	3.55	7.6
A	S3	7/8/2009	7:57:14	10.1	B	27.39	30.66	52.4	3.49	7.4
A	S3	7/8/2009	8:00:46	5.3	M	27.63	30.31	64.4	4.28	2.0
A	S3	7/8/2009	8:01:29	5.3	M	27.67	30.30	64.4	4.28	1.7
A	S3	7/8/2009	8:02:21	1.2	S	27.61	29.88	65.2	4.35	1.3
A	S3	7/8/2009	8:03:11	1.2	S	27.61	29.52	68.2	4.56	1.0
A	S2	7/8/2009	8:13:05	8.1	B	27.65	30.34	65.4	4.35	1.5
A	S2	7/8/2009	8:14:12	8.0	B	27.64	30.33	64.3	4.28	1.6
A	S2	7/8/2009	8:15:21	4.4	M	27.72	30.25	65.9	4.38	1.3
A	S2	7/8/2009	8:16:12	4.4	M	27.73	30.25	66.3	4.40	1.2
A	S2	7/8/2009	8:17:33	1.2	S	27.60	29.78	64.3	4.29	1.0
A	S2	7/8/2009	8:18:21	1.2	S	27.59	29.69	65.8	4.39	0.9
A	S1	7/8/2009	8:28:38	8.0	B	27.42	30.13	50.9	3.40	2.8
A	S1	7/8/2009	8:29:37	8.0	B	27.43	30.13	49.8	3.33	2.7
A	S1	7/8/2009	8:31:15	4.3	M	27.58	29.93	63.0	4.20	1.1
A	S1	7/8/2009	8:32:11	4.3	M	27.55	29.93	61.8	4.13	1.2
A	S1	7/8/2009	8:35:11	1.0	S	27.43	29.21	66.2	4.45	0.7
A	S1	7/8/2009	8:36:12	1.0	S	27.40	29.09	65.8	4.43	0.6
A	B1	7/8/2009	8:46:28	6.0	B	27.46	30.08	60.3	4.03	2.3
A	B1	7/8/2009	8:47:22	5.9	B	27.46	30.08	54.8	3.66	2.5
A	B1	7/8/2009	8:48:29	3.5	M	27.54	29.93	52.7	3.52	2.1
A	B1	7/8/2009	8:49:17	3.5	M	27.55	29.92	54.4	3.63	2.0
A	B1	7/8/2009	8:50:25	1.1	S	27.61	29.72	58.2	3.88	1.6
A	B1	7/8/2009	8:51:12	1.1	S	27.62	29.70	58.7	3.92	1.6
A	S3	7/8/2009	9:05:15	10.0	B	27.55	30.67	61.7	4.10	3.7
A	S3	7/8/2009	9:06:12	10.0	B	27.55	30.68	60.9	4.04	3.3
A	S3	7/8/2009	9:07:22	5.4	M	27.68	30.21	65.0	4.32	1.5
A	S3	7/8/2009	9:08:13	5.4	M	27.69	30.23	65.0	4.32	1.4
A	S3	7/8/2009	9:11:09	1.1	S	27.67	29.64	70.3	4.69	0.9
A	S3	7/8/2009	9:12:11	1.1	S	27.66	29.70	69.5	4.64	1.0
A	S2	7/8/2009	9:21:00	7.6	B	27.49	30.40	61.2	4.08	2.7
A	S2	7/8/2009	9:22:11	7.6	B	27.48	30.42	59.0	3.93	2.8
A	S2	7/8/2009	9:23:36	4.7	M	27.69	30.25	63.5	4.22	1.6
A	S2	7/8/2009	9:24:22	4.7	M	27.66	30.22	62.3	4.14	1.6
A	S2	7/8/2009	9:26:38	1.0	S	27.73	29.69	69.1	4.61	0.9
A	S2	7/8/2009	9:27:30	1.0	S	27.73	29.69	68.4	4.56	0.8
A	S1	7/8/2009	9:43:03	7.8	B	27.42	30.26	57.6	3.85	2.5
A	S1	7/8/2009	9:44:11	7.8	B	27.40	30.29	53.4	3.57	3.9

Annex D Continuous *In-situ* Measurement Data

Zone	Station	Sampling Date	Time	Depth (m)	Depth	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)
A	S1	7/8/2009	9:45:22	4.7	M	27.44	30.17	54.2	3.62	2.7
A	S1	7/8/2009	9:46:16	4.7	M	27.45	30.12	52.0	3.47	2.5
A	S1	7/8/2009	9:47:20	1.0	S	27.59	29.66	58.0	3.88	1.0
A	S1	7/8/2009	9:48:13	1.0	S	27.59	29.45	59.9	4.01	0.8
A	B1	7/8/2009	9:56:55	6.0	B	27.58	29.90	59.6	3.98	1.8
A	B1	7/8/2009	9:57:44	6.0	B	27.57	29.89	56.7	3.78	1.7
A	B1	7/8/2009	9:58:50	3.6	M	27.58	29.86	58.5	3.90	1.6
A	B1	7/8/2009	9:59:38	3.6	M	27.60	29.84	58.6	3.91	1.6
A	B1	7/8/2009	10:00:42	0.9	S	27.77	29.59	62.2	4.14	1.5
A	B1	7/8/2009	10:01:25	0.9	S	27.77	29.61	62.4	4.16	1.4
A	S3	7/8/2009	10:17:27	9.8	B	27.55	30.71	61.8	4.11	3.7
A	S3	7/8/2009	10:18:14	9.8	B	27.55	30.71	60.8	4.04	3.9
A	S3	7/8/2009	10:19:28	5.6	M	27.56	30.44	62.1	4.13	2.1
A	S3	7/8/2009	10:20:13	5.6	M	27.57	30.36	61.0	4.06	2.3
A	S3	7/8/2009	10:21:22	0.8	S	28.02	29.64	70.1	4.65	1.0
A	S3	7/8/2009	10:22:04	0.8	S	28.03	29.64	70.5	4.67	1.0
A	S2	7/8/2009	10:31:52	8.0	B	27.62	30.53	63.6	4.23	2.6
A	S2	7/8/2009	10:32:39	8.0	B	27.53	30.49	60.5	4.03	2.9
A	S2	7/8/2009	10:34:04	4.6	M	27.70	30.26	62.9	4.18	1.8
A	S2	7/8/2009	10:35:02	4.6	M	27.70	30.26	62.7	4.17	1.7
A	S2	7/8/2009	10:37:29	1.0	S	28.11	29.06	73.3	4.87	0.7
A	S2	7/8/2009	10:38:13	1.0	S	28.00	29.29	70.5	4.69	0.6
A	S1	7/8/2009	10:47:42	8.0	B	27.48	30.24	61.2	4.08	2.0
A	S1	7/8/2009	10:48:29	8.0	B	27.48	30.25	60.9	4.06	2.1
A	S1	7/8/2009	10:50:16	4.6	M	27.52	30.03	53.5	3.57	2.0
A	S1	7/8/2009	10:51:01	4.6	M	27.50	30.07	56.1	3.74	1.9
A	S1	7/8/2009	10:53:49	1.0	S	28.07	29.27	65.0	4.32	1.3
A	S1	7/8/2009	10:54:30	1.0	S	27.81	29.67	62.5	4.16	2.4
A	B1	7/8/2009	11:05:43	5.8	B	27.43	30.20	48.8	3.26	7.0
A	B1	7/8/2009	11:06:27	5.8	B	27.43	30.22	48.2	3.22	6.6
A	B1	7/8/2009	11:07:40	3.7	M	27.61	29.97	57.1	3.81	2.0
A	B1	7/8/2009	11:08:25	3.7	M	27.61	29.97	57.4	3.82	1.9
A	B1	7/8/2009	11:09:23	0.8	S	28.38	29.30	61.9	4.09	1.7
A	B1	7/8/2009	11:10:05	0.8	S	28.16	29.50	62.5	4.14	1.7
A	S3	7/8/2009	11:23:51	9.9	B	27.67	30.63	66.4	4.41	2.1
A	S3	7/8/2009	11:24:31	9.9	B	27.66	30.64	66.0	4.38	2.2
A	S3	7/8/2009	11:25:30	5.6	M	27.66	30.43	65.4	4.34	1.6
A	S3	7/8/2009	11:26:13	5.6	M	27.65	30.44	64.9	4.31	1.7
A	S3	7/8/2009	11:27:24	0.8	S	28.32	29.75	71.3	4.70	2.7
A	S3	7/8/2009	11:28:06	0.8	S	28.38	29.74	72.4	4.77	1.4
A	S3	7/8/2009	11:29:02	0.9	S	28.38	29.73	72.9	4.81	1.0
A	S2	7/8/2009	12:03:10	7.7	B	27.72	30.43	66.7	4.43	1.7
A	S2	7/8/2009	12:04:13	4.6	M	27.63	30.16	59.8	3.98	1.8
A	S2	7/8/2009	12:05:19	0.9	S	28.25	29.31	71.9	4.76	0.6
A	S2	7/8/2009	12:07:15	7.8	B	27.79	30.46	69.1	4.58	1.5
A	S2	7/8/2009	12:08:06	4.7	M	27.76	30.28	65.7	4.36	1.3
A	S2	7/8/2009	12:10:09	1.4	S	27.98	29.62	67.2	4.46	1.5
A	S1	7/8/2009	12:15:39	8.0	B	27.48	30.24	60.8	4.06	2.0
A	S1	7/8/2009	12:16:37	4.8	M	27.62	30.06	59.4	3.96	1.4
A	S1	7/8/2009	12:20:12	1.5	S	28.01	29.76	61.7	4.09	2.2
A	S1	7/8/2009	12:21:23	7.8	B	27.48	30.26	60.1	4.01	2.2
A	S1	7/8/2009	12:22:12	4.7	M	27.57	30.05	54.5	3.63	2.0
A	S1	7/8/2009	12:23:06	1.1	S	28.24	29.58	58.4	3.86	1.3
A	B1	7/8/2009	12:28:34	5.9	B	27.43	30.27	49.7	3.32	6.4
A	B1	7/8/2009	12:30:13	3.8	M	27.72	30.01	63.8	4.25	1.6
A	B1	7/8/2009	12:31:21	1.4	S	28.92	29.49	69.8	4.57	2.4

Annex D Continuous *In-situ* Measurement Data

Zone	Station	Sampling Date	Time	Depth (m)	Depth	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)
A	B1	7/8/2009	12:33:17	5.8	B	27.45	30.23	52.5	3.50	6.0
A	B1	7/8/2009	12:34:20	3.9	M	27.64	30.01	60.1	4.00	2.4
A	B1	7/8/2009	12:35:33	1.5	S	28.29	29.71	64.0	4.23	1.5
A	S3	7/8/2009	12:42:52	10.2	B	27.74	30.57	69.8	4.63	1.4
A	S3	7/8/2009	12:43:47	5.6	M	27.78	30.47	69.9	4.64	1.3
A	S3	7/8/2009	12:45:15	1.5	S	28.47	29.79	75.7	4.98	1.1
A	S3	7/8/2009	12:47:46	10.0	B	27.77	30.54	70.9	4.70	1.4
A	S3	7/8/2009	12:48:42	5.5	M	27.72	30.39	68.4	4.54	1.5
A	S3	7/8/2009	12:50:11	1.2	S	28.64	29.72	76.5	5.02	0.8
A	S2	7/8/2009	14:31:39	6.9	B	27.57	30.35	53.7	3.57	2.2
A	S2	7/8/2009	14:32:34	6.9	B	27.56	30.35	51.2	3.41	2.5
A	S2	7/8/2009	14:36:29	4.0	M	27.81	30.17	61.7	4.09	1.1
A	S2	7/8/2009	14:37:17	4.0	M	27.73	30.11	54.1	3.60	1.3
A	S2	7/8/2009	14:38:13	1.0	S	28.64	29.70	68.7	4.51	0.7
A	S2	7/8/2009	14:39:10	1.0	S	28.60	29.70	70.2	4.61	0.6
A	S1	7/8/2009	14:49:18	6.9	B	27.50	30.29	57.5	3.83	2.1
A	S1	7/8/2009	14:50:10	7.0	B	27.49	30.30	52.6	3.51	3.1
A	S1	7/8/2009	14:51:09	4.0	M	27.68	30.06	54.9	3.65	1.8
A	S1	7/8/2009	14:52:11	4.0	M	27.69	30.06	55.6	3.70	1.7
A	S1	7/8/2009	14:55:16	1.2	S	28.77	29.55	67.6	4.43	0.8
A	S1	7/8/2009	14:56:11	1.2	S	28.75	29.56	67.0	4.40	0.9
A	B1	7/8/2009	15:07:17	4.9	B	27.52	30.22	52.5	3.50	3.7
A	B1	7/8/2009	15:08:11	4.8	B	27.50	30.22	47.5	3.17	3.9
A	B1	7/8/2009	15:09:22	3.0	M	28.64	29.75	64.4	4.23	1.6
A	B1	7/8/2009	15:10:11	2.8	M	28.67	29.68	66.1	4.33	1.5
A	B1	7/8/2009	15:11:20	1.2	S	29.59	29.32	69.4	4.49	1.2
A	B1	7/8/2009	15:12:21	1.2	S	29.53	29.27	70.1	4.55	1.5
A	S3	7/8/2009	15:29:04	9.0	B	27.65	30.67	62.9	4.18	3.6
A	S3	7/8/2009	15:29:53	9.3	B	27.68	30.62	61.8	4.10	3.4
A	S3	7/8/2009	15:32:04	5.0	M	27.80	30.36	64.6	4.28	1.4
A	S3	7/8/2009	15:33:13	5.0	M	27.80	30.33	64.2	4.26	1.5
A	S3	7/8/2009	15:37:46	1.1	S	28.26	30.01	69.8	4.60	1.8
A	S3	7/8/2009	15:38:27	1.1	S	27.92	30.18	65.3	4.33	1.5
A	S2	7/8/2009	15:55:30	7.0	B	27.86	30.20	67.6	4.48	1.1
A	S2	7/8/2009	15:56:03	7.0	B	27.86	30.20	66.9	4.44	1.1
A	S2	7/8/2009	15:57:45	4.1	M	27.89	30.15	66.0	4.38	1.1
A	S2	7/8/2009	15:58:13	4.1	M	27.91	30.13	65.7	4.36	1.3
A	S2	7/8/2009	15:59:14	1.3	S	28.69	29.80	71.4	4.68	0.5
A	S2	7/8/2009	16:00:02	1.3	S	28.75	29.78	72.2	4.73	0.6
A	S1	7/8/2009	16:10:20	6.9	B	27.48	30.42	54.2	3.61	3.2
A	S1	7/8/2009	16:11:02	6.9	B	27.46	30.50	49.2	3.28	5.2
A	S1	7/8/2009	16:12:07	4.1	M	27.81	30.02	59.5	3.95	1.4
A	S1	7/8/2009	16:13:02	4.0	M	27.85	30.00	57.1	3.79	1.5
A	S1	7/8/2009	16:16:11	1.3	S	28.87	29.64	74.8	4.89	0.9
A	S1	7/8/2009	16:17:02	1.3	S	28.79	29.64	73.9	4.84	0.7
A	B1	7/8/2009	16:29:39	4.5	B	27.55	30.21	52.3	3.48	3.8
A	B1	7/8/2009	16:30:16	4.5	B	27.55	30.19	51.6	3.44	4.1
A	B1	7/8/2009	16:31:51	2.8	M	28.89	29.68	72.0	4.71	1.0
A	B1	7/8/2009	16:32:25	2.8	M	28.98	29.68	72.1	4.71	1.1
A	B1	7/8/2009	16:35:22	1.4	S	29.89	29.01	76.6	4.94	1.5
A	B1	7/8/2009	16:36:05	1.4	S	29.61	29.17	75.0	4.86	1.4
A	S3	7/8/2009	16:48:22	9.0	B	27.62	30.81	61.9	4.11	6.1
A	S3	7/8/2009	16:49:04	9.0	B	27.61	30.82	60.2	3.99	6.1
A	S3	7/8/2009	16:50:22	5.0	M	27.69	30.36	64.3	4.27	1.5
A	S3	7/8/2009	16:51:05	5.0	M	27.56	30.31	61.0	4.06	1.5
A	S3	7/8/2009	16:52:43	1.5	S	28.63	29.93	75.0	4.92	0.9

Annex D Continuous *In-situ* Measurement Data

Zone	Station	Sampling Date	Time	Depth (m)	Depth	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)
A	S3	7/8/2009	16:53:10	1.5	S	28.53	29.94	74.5	4.89	0.8
A	S2	7/8/2009	17:02:33	7.0	B	27.66	30.47	56.4	3.75	2.7
A	S2	7/8/2009	17:03:22	7.0	B	27.66	30.48	57.5	3.82	2.7
A	S2	7/8/2009	17:04:17	3.9	M	27.84	30.20	67.1	4.45	1.3
A	S2	7/8/2009	17:05:19	3.9	M	27.84	30.20	68.0	4.51	1.1
A	S2	7/8/2009	17:06:27	1.4	S	28.11	30.06	72.5	4.79	0.9
A	S2	7/8/2009	17:07:08	1.4	S	28.28	29.99	73.5	4.84	0.8
A	S1	7/8/2009	17:17:05	7.1	B	27.48	30.45	54.6	3.64	3.4
A	S1	7/8/2009	17:18:07	7.1	B	27.48	30.44	53.6	3.57	3.7
A	S1	7/8/2009	17:19:16	4.1	M	27.77	30.04	61.1	4.06	1.4
A	S1	7/8/2009	17:24:39	4.1	M	27.79	30.03	64.7	4.30	1.6
A	S1	7/8/2009	17:25:45	1.4	S	28.85	29.67	78.0	5.10	0.7
A	S1	7/8/2009	17:26:25	1.5	S	28.77	29.66	76.9	5.04	0.7
A	B1	7/8/2009	17:37:04	5.0	B	27.65	30.16	55.1	3.67	4.0
A	B1	7/8/2009	17:38:39	5.0	B	27.66	30.14	51.1	3.40	4.2
A	B1	7/8/2009	17:39:36	3.2	M	28.01	29.96	57.3	3.79	2.2
A	B1	7/8/2009	17:40:45	3.2	M	27.99	29.98	59.6	3.95	2.0
A	B1	7/8/2009	17:41:46	1.2	S	29.49	29.30	76.7	4.97	1.3
A	B1	7/8/2009	17:42:29	1.2	S	29.38	29.43	77.5	5.03	1.3
A	S3	7/8/2009	17:56:28	9.0	B	27.64	30.31	66.7	4.43	1.3
A	S3	7/8/2009	17:57:20	9.0	B	27.66	30.40	65.0	4.32	1.4
A	S3	7/8/2009	17:58:12	5.0	M	27.89	30.27	69.5	4.61	1.3
A	S3	7/8/2009	17:59:11	5.0	M	27.89	30.26	70.1	4.65	1.1
A	S3	7/8/2009	18:00:12	1.5	S	28.52	29.96	77.1	5.06	1.0
A	S3	7/8/2009	18:01:14	1.5	S	28.63	29.93	78.7	5.16	0.8
A	S2	7/8/2009	18:08:01	7.0	B	28.17	30.04	75.4	4.98	1.0
A	S2	7/8/2009	18:09:11	7.0	B	28.17	30.04	74.4	4.91	0.9
A	S2	7/8/2009	18:10:50	4.2	M	28.24	30.00	76.5	5.05	0.7
A	S2	7/8/2009	18:11:34	4.1	M	28.24	30.00	76.9	5.07	0.7
A	S2	7/8/2009	18:13:14	1.4	S	28.72	29.87	81.4	5.33	0.6
A	S2	7/8/2009	18:14:11	1.4	S	28.76	29.85	82.0	5.37	0.3
A	S1	7/8/2009	18:21:04	7.1	B	27.47	30.42	54.2	3.61	4.9
A	S1	7/8/2009	18:22:14	7.1	B	27.45	30.46	49.4	3.29	4.9
A	S1	7/8/2009	18:24:01	4.3	M	27.62	30.22	49.0	3.26	1.7
A	S1	7/8/2009	18:24:52	4.3	M	27.63	30.17	48.1	3.20	1.6
A	S1	7/8/2009	18:26:01	1.5	S	28.99	29.65	79.7	5.21	0.6
A	S1	7/8/2009	18:27:14	1.5	S	29.13	29.57	80.8	5.27	0.5
A	B1	7/8/2009	18:35:20	5.2	B	27.72	30.10	55.0	3.66	3.8
A	B1	7/8/2009	18:36:02	5.2	B	27.72	30.10	55.9	3.72	3.3
A	B1	7/8/2009	18:37:33	3.3	M	27.88	30.01	62.7	4.16	2.0
A	B1	7/8/2009	18:38:03	3.3	M	27.92	30.00	65.0	4.31	1.7
A	B1	7/8/2009	18:39:27	1.6	S	28.74	29.72	69.8	4.57	1.3
A	B1	7/8/2009	18:40:12	1.6	S	28.83	29.72	78.7	5.15	1.1
A	S3	7/8/2009	18:48:39	9.0	B	27.58	30.85	63.2	4.19	5.1
A	S3	7/8/2009	18:49:15	9.0	B	27.59	30.82	62.4	4.14	4.9
A	S3	7/8/2009	18:50:20	5.3	M	27.60	30.28	64.3	4.28	1.9
A	S3	7/8/2009	18:51:04	5.3	M	27.61	30.28	64.8	4.32	1.6
A	S3	7/8/2009	18:52:02	1.4	S	28.19	30.03	75.0	4.95	1.0
A	S3	7/8/2009	18:53:04	1.5	S	28.13	30.03	74.1	4.90	0.9
A	S2	8/8/2009	7:01:07	8.3	B	27.72	30.33	57.2	3.80	1.4
A	S2	8/8/2009	7:02:02	8.4	B	27.70	30.34	55.7	3.70	1.6
A	S2	8/8/2009	7:04:42	4.7	M	27.90	30.27	62.7	4.15	1.0
A	S2	8/8/2009	7:05:14	4.8	M	27.90	30.27	62.2	4.12	1.0
A	S2	8/8/2009	7:06:14	1.4	S	28.14	30.08	65.8	4.34	0.7
A	S2	8/8/2009	7:07:02	1.4	S	28.17	30.04	66.0	4.36	0.7
A	S1	8/8/2009	7:15:54	8.0	B	27.75	30.25	59.0	3.92	1.4

Annex D Continuous *In-situ* Measurement Data

Zone	Station	Sampling Date	Time	Depth (m)	Depth	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)
A	S1	8/8/2009	7:16:38	8.0	B	27.75	30.25	58.3	3.87	1.3
A	S1	8/8/2009	7:17:36	4.3	M	27.87	30.13	60.7	4.02	1.1
A	S1	8/8/2009	7:18:18	4.3	M	27.87	30.13	59.6	3.95	1.2
A	S1	8/8/2009	7:21:17	1.1	S	28.06	30.01	62.7	4.15	1.0
A	S1	8/8/2009	7:22:02	1.1	S	28.08	30.01	63.3	4.19	0.8
A	B1	8/8/2009	7:32:38	5.8	B	27.85	30.24	61.3	4.07	1.3
A	B1	8/8/2009	7:33:26	5.8	B	27.85	30.24	60.4	4.00	1.3
A	B1	8/8/2009	7:34:31	3.4	M	27.97	30.08	59.6	3.94	1.9
A	B1	8/8/2009	7:35:14	3.4	M	27.99	30.08	61.5	4.07	1.7
A	B1	8/8/2009	7:36:20	0.9	S	28.30	29.51	67.2	4.44	0.5
A	B1	8/8/2009	7:37:03	1.0	S	28.32	29.47	67.5	4.46	0.6
A	S3	8/8/2009	7:52:16	10.1	B	28.09	30.94	69.3	4.56	5.2
A	S3	8/8/2009	7:53:02	10.1	B	28.07	30.96	69.1	4.54	5.9
A	S3	8/8/2009	7:54:21	5.3	M	28.03	30.30	66.2	4.38	0.7
A	S3	8/8/2009	7:55:06	5.2	M	28.03	30.27	66.1	4.37	0.8
A	S3	8/8/2009	7:56:14	1.1	S	28.24	29.96	69.9	4.61	0.6
A	S3	8/8/2009	7:57:03	1.1	S	28.26	29.93	69.9	4.61	0.5
A	S2	8/8/2009	8:07:50	7.8	B	27.65	30.46	54.9	3.65	3.4
A	S2	8/8/2009	8:08:35	7.8	B	27.68	30.44	55.0	3.66	2.7
A	S2	8/8/2009	8:09:41	4.4	M	28.06	30.38	65.5	4.32	1.4
A	S2	8/8/2009	8:10:19	4.4	M	28.09	30.35	65.8	4.34	1.1
A	S2	8/8/2009	8:13:13	1.1	S	28.23	30.03	69.5	4.58	0.6
A	S2	8/8/2009	8:14:02	1.1	S	28.21	29.99	66.7	4.40	0.7
A	S1	8/8/2009	8:24:19	8.1	B	27.54	30.40	49.4	3.29	3.1
A	S1	8/8/2009	8:25:08	8.0	B	27.55	30.39	49.1	3.27	2.7
A	S1	8/8/2009	8:28:26	4.5	M	27.81	30.25	61.1	4.06	1.0
A	S1	8/8/2009	8:29:12	4.5	M	27.72	30.30	56.1	3.72	1.5
A	S1	8/8/2009	8:30:49	1.0	S	28.22	29.95	63.6	4.20	0.6
A	S1	8/8/2009	8:31:31	1.0	S	28.19	29.96	63.3	4.18	0.8
A	B1	8/8/2009	8:42:55	5.9	B	27.94	30.21	65.0	4.30	0.9
A	B1	8/8/2009	8:43:22	5.9	B	27.93	30.21	64.0	4.24	1.1
A	B1	8/8/2009	8:44:27	3.6	M	28.17	30.01	66.3	4.38	0.8
A	B1	8/8/2009	8:45:15	3.5	M	28.12	30.04	66.4	4.39	0.8
A	B1	8/8/2009	8:46:12	1.0	S	28.43	29.46	68.9	4.54	0.5
A	B1	8/8/2009	8:47:02	0.9	S	28.39	29.42	67.3	4.44	0.7
A	S3	8/8/2009	9:04:29	10.0	B	27.89	30.98	65.9	4.35	4.6
A	S3	8/8/2009	9:05:14	10.0	B	27.88	30.99	65.2	4.30	4.5
A	S3	8/8/2009	9:08:22	5.5	M	27.95	30.46	64.3	4.25	1.5
A	S3	8/8/2009	9:09:09	5.5	M	27.96	30.45	63.9	4.23	1.6
A	S3	8/8/2009	9:10:14	1.2	S	28.33	30.18	69.5	4.57	0.7
A	S3	8/8/2009	9:11:02	1.2	S	28.34	30.16	73.3	4.82	0.4
A	S2	8/8/2009	9:26:56	8.0	B	27.86	30.96	63.3	4.18	8.8
A	S2	8/8/2009	9:27:46	8.0	B	27.84	30.95	61.5	4.06	9.5
A	S2	8/8/2009	9:29:08	4.7	M	28.11	30.26	66.8	4.41	1.3
A	S2	8/8/2009	9:30:11	4.7	M	28.15	30.22	64.9	4.28	1.0
A	S2	8/8/2009	9:32:35	1.2	S	28.33	30.22	76.7	5.04	0.5
A	S2	8/8/2009	9:33:25	1.2	S	28.34	30.21	73.7	4.85	0.5
A	S1	8/8/2009	9:53:07	6.8	B	27.54	30.40	45.1	3.01	4.5
A	S1	8/8/2009	9:54:11	6.8	B	27.54	30.39	44.9	2.99	5.1
A	S1	8/8/2009	9:59:10	4.0	M	27.98	30.11	61.6	4.08	1.1
A	S1	8/8/2009	10:00:10	4.0	M	27.96	30.11	61.8	4.10	1.1
A	S1	8/8/2009	10:01:02	1.1	S	28.42	29.89	64.6	4.25	0.6
A	S1	8/8/2009	10:02:02	1.1	S	28.43	29.88	65.0	4.28	0.6
A	B1	8/8/2009	10:12:37	5.8	B	27.90	30.25	63.6	4.22	1.2
A	B1	8/8/2009	10:13:20	5.8	B	27.88	30.26	60.4	4.00	1.1
A	B1	8/8/2009	10:14:09	3.9	M	28.12	30.10	65.2	4.31	0.8

Annex D Continuous *In-situ* Measurement Data

Zone	Station	Sampling Date	Time	Depth (m)	Depth	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)
A	B1	8/8/2009	10:15:03	3.9	M	28.07	30.13	64.4	4.26	0.9
A	B1	8/8/2009	10:17:15	1.3	S	28.53	29.60	74.6	4.91	0.7
A	B1	8/8/2009	10:17:59	1.3	S	28.56	29.56	71.6	4.71	0.6
A	S3	8/8/2009	10:34:54	10.1	B	28.04	31.25	74.4	4.89	1.4
A	S3	8/8/2009	10:35:45	10.1	B	28.09	31.24	75.8	4.98	1.1
A	S3	8/8/2009	10:37:05	5.6	M	27.97	30.82	66.2	4.37	3.4
A	S3	8/8/2009	10:38:03	5.6	M	27.97	30.82	65.5	4.32	3.7
A	S3	8/8/2009	10:39:02	0.9	S	28.40	30.10	70.7	4.65	0.7
A	S3	8/8/2009	10:40:01	0.9	S	28.40	30.10	70.9	4.66	0.7
A	S2	8/8/2009	10:50:54	7.6	B	27.89	30.87	63.7	4.20	5.3
A	S2	8/8/2009	10:51:44	7.6	B	27.86	30.84	61.8	4.08	5.4
A	S2	8/8/2009	10:52:46	4.7	M	28.11	30.26	64.5	4.26	1.1
A	S2	8/8/2009	10:53:33	4.7	M	28.07	30.23	63.6	4.20	1.0
A	S2	8/8/2009	10:57:49	1.2	S	28.41	30.20	73.3	4.81	0.7
A	S2	8/8/2009	10:58:32	1.2	S	28.49	30.13	72.5	4.76	0.6
A	S1	8/8/2009	11:12:03	7.2	B	27.53	30.53	41.8	2.78	10.0
A	S1	8/8/2009	11:12:47	7.2	B	27.52	30.52	41.5	2.76	10.8
A	S1	8/8/2009	11:14:14	4.5	M	27.71	30.26	57.2	3.80	1.5
A	S1	8/8/2009	11:15:02	4.5	M	27.73	30.23	57.0	3.79	1.7
A	S1	8/8/2009	11:16:09	1.0	S	28.59	29.44	73.8	4.86	1.1
A	S1	8/8/2009	11:17:02	1.0	S	28.58	29.48	74.5	4.90	1.1
A	B1	8/8/2009	11:28:45	5.5	B	27.83	30.63	57.2	3.78	7.7
A	B1	8/8/2009	11:29:32	5.5	B	27.83	30.57	56.9	3.76	6.5
A	B1	8/8/2009	11:30:56	3.6	M	27.83	30.29	58.7	3.89	1.9
A	B1	8/8/2009	11:31:40	3.7	M	27.84	30.35	60.5	4.01	1.4
A	B1	8/8/2009	11:32:41	1.2	S	28.58	29.60	71.6	4.71	1.0
A	B1	8/8/2009	11:33:26	1.2	S	28.64	29.50	72.4	4.76	0.9
A	S3	8/8/2009	11:50:56	9.8	B	28.29	31.18	81.8	5.35	0.2
A	S3	8/8/2009	11:53:39	9.3	B	28.28	31.17	80.9	5.30	0.3
A	S3	8/8/2009	11:55:00	5.4	M	28.24	31.01	78.7	5.16	0.3
A	S3	8/8/2009	11:55:42	5.4	M	28.25	31.02	78.6	5.15	0.5
A	S3	8/8/2009	11:56:56	1.2	S	28.48	30.04	73.3	4.82	0.7
A	S3	8/8/2009	11:57:42	1.3	S	28.47	30.05	73.0	4.80	0.7
A	S2	8/8/2009	12:33:19	7.8	B	28.10	30.90	73.0	4.80	1.2
A	S2	8/8/2009	12:34:48	4.5	M	27.58	30.49	48.1	3.20	3.6
A	S2	8/8/2009	12:35:53	1.3	S	28.76	29.98	71.9	4.70	0.8
A	S2	8/8/2009	12:38:25	7.7	B	27.94	30.79	62.5	4.12	3.5
A	S2	8/8/2009	12:39:31	4.6	M	27.73	30.39	53.8	3.57	2.0
A	S2	8/8/2009	12:40:50	1.2	S	28.75	29.92	72.9	4.77	0.6
A	S1	8/8/2009	12:51:15	7.6	B	27.79	31.03	54.7	3.62	8.8
A	S1	8/8/2009	12:52:20	4.6	M	27.73	30.27	58.0	3.85	2.0
A	S1	8/8/2009	12:53:31	1.4	S	28.81	29.76	75.8	4.96	1.6
A	S1	8/8/2009	13:01:10	7.9	B	27.71	31.15	58.5	3.87	13.6
A	S1	8/8/2009	13:02:20	4.8	M	27.66	30.31	57.0	3.79	2.8
A	S1	8/8/2009	13:03:30	1.5	S	28.37	29.97	73.9	4.87	0.7
A	B1	8/8/2009	13:11:43	5.2	B	27.87	30.55	58.3	3.86	5.4
A	B1	8/8/2009	13:12:38	3.6	M	28.31	30.06	65.2	4.30	2.8
A	B1	8/8/2009	13:13:40	1.3	S	29.37	29.53	82.7	5.37	0.8
A	B1	8/8/2009	13:35:51	5.7	B	27.85	31.05	60.4	3.98	14.7
A	B1	8/8/2009	13:36:52	3.4	M	27.94	30.48	61.1	4.04	2.9
A	B1	8/8/2009	13:37:47	1.5	S	28.79	29.89	76.6	5.01	1.4
A	S3	8/8/2009	13:45:29	9.8	B	28.13	31.51	79.9	5.23	0.6
A	S3	8/8/2009	13:46:28	5.4	M	28.30	30.96	80.5	5.28	1.6
A	S3	8/8/2009	13:47:30	1.3	S	28.70	30.40	81.6	5.33	1.2
A	S3	8/8/2009	13:49:09	9.9	B	28.15	31.49	80.2	5.26	0.7
A	S3	8/8/2009	13:50:26	5.5	M	28.14	30.89	73.0	4.80	2.3

Annex D Continuous *In-situ* Measurement Data

Zone	Station	Sampling Date	Time	Depth (m)	Depth	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)
A	S3	8/8/2009	13:51:19	1.5	S	28.76	30.32	80.9	5.28	1.1
A	S2	8/8/2009	15:10:40	7.0	B	27.75	30.50	57.4	3.81	1.9
A	S2	8/8/2009	15:11:21	7.0	B	27.75	30.47	56.5	3.75	1.8
A	S2	8/8/2009	15:12:23	3.9	M	27.94	30.26	67.3	4.45	1.1
A	S2	8/8/2009	15:13:06	3.9	M	27.94	30.27	67.8	4.49	1.0
A	S2	8/8/2009	15:20:30	1.3	S	29.21	29.96	83.9	5.45	0.5
A	S2	8/8/2009	15:21:10	1.3	S	28.64	30.15	78.7	5.15	0.9
A	S1	8/8/2009	15:33:02	6.4	B	27.71	30.74	49.5	3.28	8.9
A	S1	8/8/2009	15:34:02	6.4	B	27.70	30.73	48.6	3.22	9.0
A	S1	8/8/2009	15:37:47	3.6	M	27.82	30.32	63.7	4.22	1.7
A	S1	8/8/2009	15:38:27	3.6	M	27.84	30.31	61.6	4.08	1.7
A	S1	8/8/2009	15:39:31	1.2	S	28.97	29.94	82.5	5.38	0.6
A	S1	8/8/2009	15:40:03	1.2	S	28.81	29.98	82.7	5.41	0.6
A	B1	8/8/2009	15:51:15	4.8	B	27.94	30.94	64.1	4.23	7.5
A	B1	8/8/2009	15:52:02	4.8	B	27.94	30.95	65.2	4.30	6.4
A	B1	8/8/2009	15:53:08	3.1	M	28.02	30.31	62.9	4.16	2.6
A	B1	8/8/2009	15:54:02	3.1	M	27.98	30.35	62.7	4.15	2.1
A	B1	8/8/2009	15:56:30	1.2	S	29.12	29.37	84.8	5.54	2.1
A	B1	8/8/2009	15:57:16	1.2	S	28.94	29.58	81.7	5.34	2.0
A	S3	8/8/2009	16:14:05	9.1	B	27.97	31.34	71.3	4.69	5.0
A	S3	8/8/2009	16:15:04	9.1	B	27.75	31.39	69.9	4.61	6.3
A	S3	8/8/2009	16:16:16	5.1	M	28.20	30.76	73.9	4.85	1.8
A	S3	8/8/2009	16:17:02	5.1	M	28.23	30.76	74.8	4.91	1.7
A	S3	8/8/2009	16:20:33	1.4	S	29.06	30.13	88.9	5.78	0.6
A	S3	8/8/2009	16:21:11	1.4	S	29.06	30.14	88.6	5.76	0.7
A	S2	8/8/2009	16:31:34	6.9	B	27.73	30.61	50.5	3.35	3.5
A	S2	8/8/2009	16:32:17	7.1	B	27.76	30.67	49.8	3.30	3.6
A	S2	8/8/2009	16:34:50	4.2	M	28.15	30.31	76.5	5.04	0.8
A	S2	8/8/2009	16:35:23	4.2	M	28.15	30.32	75.2	4.96	0.7
A	S2	8/8/2009	16:36:37	1.2	S	29.05	30.05	85.4	5.56	0.7
A	S2	8/8/2009	16:37:11	1.2	S	29.00	30.05	85.5	5.57	0.7
A	S1	8/8/2009	16:47:35	7.2	B	27.94	31.10	72.0	4.74	2.6
A	S1	8/8/2009	16:48:18	7.2	B	27.90	31.12	69.7	4.60	3.1
A	S1	8/8/2009	16:49:19	4.1	M	27.96	30.27	66.6	4.41	1.3
A	S1	8/8/2009	16:50:05	4.1	M	28.08	30.25	67.3	4.45	1.2
A	S1	8/8/2009	16:51:06	1.0	S	29.11	29.96	87.0	5.66	0.7
A	S1	8/8/2009	16:52:02	1.0	S	29.01	29.97	88.1	5.74	0.7
A	B1	8/8/2009	17:04:28	5.1	B	28.00	30.15	62.7	4.15	3.2
A	B1	8/8/2009	17:05:10	5.1	B	28.05	30.14	62.7	4.14	2.7
A	B1	8/8/2009	17:06:21	3.3	M	28.77	29.96	85.3	5.58	1.5
A	B1	8/8/2009	17:07:03	3.3	M	28.52	30.06	77.1	5.06	1.5
A	B1	8/8/2009	17:08:12	1.3	S	29.44	29.21	92.2	5.99	2.2
A	B1	8/8/2009	17:09:02	1.3	S	29.29	29.44	91.0	5.92	1.9
A	S3	8/8/2009	17:26:37	9.2	B	28.14	30.89	74.8	4.92	1.8
A	S3	8/8/2009	17:27:02	9.2	B	28.08	30.87	72.3	4.76	2.8
A	S3	8/8/2009	17:28:14	5.3	M	28.33	30.55	78.0	5.12	1.6
A	S3	8/8/2009	17:29:02	5.3	M	28.36	30.53	78.5	5.15	1.3
A	S3	8/8/2009	17:31:52	1.3	S	28.74	30.29	86.4	5.65	1.2
A	S3	8/8/2009	17:32:15	1.3	S	28.77	30.26	87.2	5.69	1.1
A	S2	8/8/2009	17:45:10	6.5	B	27.84	30.91	56.8	3.75	4.4
A	S2	8/8/2009	17:46:15	6.5	B	27.85	30.92	58.8	3.89	4.7
A	S2	8/8/2009	17:49:31	4.3	M	28.06	30.80	72.2	4.76	1.8
A	S2	8/8/2009	17:50:21	4.3	M	28.07	30.75	72.1	4.75	1.7
A	S2	8/8/2009	17:51:46	1.3	S	28.38	30.25	76.8	5.05	1.2
A	S2	8/8/2009	17:52:29	1.3	S	28.46	30.14	77.8	5.11	1.2
A	S1	8/8/2009	18:03:52	6.5	B	27.70	30.62	45.9	3.05	9.4

Annex D Continuous *In-situ* Measurement Data

Zone	Station	Sampling Date	Time	Depth (m)	Depth	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)
A	S1	8/8/2009	18:04:53	6.5	B	27.73	30.69	45.0	2.98	9.4
A	S1	8/8/2009	18:06:43	4.4	M	27.94	30.29	64.4	4.26	1.5
A	S1	8/8/2009	18:07:27	4.4	M	28.07	30.25	69.5	4.59	1.2
A	S1	8/8/2009	18:11:33	1.4	S	28.97	30.00	94.7	6.17	0.7
A	S1	8/8/2009	18:12:14	1.4	S	28.98	30.00	94.1	6.14	0.7
A	B1	8/8/2009	18:24:37	4.8	B	28.21	30.22	73.5	4.84	1.7
A	B1	8/8/2009	18:25:21	4.7	B	28.24	30.19	73.4	4.84	1.5
A	B1	8/8/2009	18:26:28	3.3	M	28.66	30.01	80.6	5.28	1.2
A	B1	8/8/2009	18:27:11	3.3	M	28.66	30.01	81.5	5.34	1.4
A	B1	8/8/2009	18:31:00	1.1	S	29.12	29.60	88.6	5.78	2.4
A	B1	8/8/2009	18:32:03	1.1	S	29.30	29.42	92.4	6.01	2.6
A	S3	8/8/2009	18:47:09	9.3	B	28.09	30.77	74.9	4.93	1.8
A	S3	8/8/2009	18:48:05	9.2	B	28.08	30.78	72.4	4.77	1.9
A	S3	8/8/2009	18:49:02	5.3	M	28.27	30.60	78.3	5.15	0.9
A	S3	8/8/2009	18:50:02	5.3	M	28.28	30.59	78.7	5.17	1.0
A	S3	8/8/2009	18:51:10	1.1	S	28.63	30.26	86.9	5.69	0.9
A	S3	8/8/2009	18:52:01	1.1	S	28.64	30.26	87.9	5.75	1.0
A	S2	10/8/2009	7:27:21	8.0	B	27.68	31.47	66.5	4.39	2.1
A	S2	10/8/2009	7:28:18	5.0	M	28.75	30.08	86.1	5.63	1.6
A	S2	10/8/2009	7:29:08	1.7	S	28.65	29.37	86.8	5.71	0.7
A	S2	10/8/2009	7:30:54	8.2	B	27.70	31.43	65.7	4.34	3.2
A	S2	10/8/2009	7:32:19	5.0	M	28.80	30.04	91.0	5.95	1.7
A	S2	10/8/2009	7:33:06	1.8	S	28.64	29.36	87.3	5.74	0.7
A	S1	10/8/2009	7:39:11	7.6	B	27.74	31.33	57.1	3.77	6.6
A	S1	10/8/2009	7:40:17	4.9	M	28.04	30.96	64.2	4.23	4.2
A	S1	10/8/2009	7:41:20	1.7	S	28.69	29.26	86.7	5.70	1.0
A	S1	10/8/2009	7:42:51	7.6	B	27.72	31.37	59.5	3.93	7.4
A	S1	10/8/2009	7:44:15	5.0	M	28.06	30.89	63.6	4.19	3.8
A	S1	10/8/2009	7:45:14	1.9	S	28.57	29.20	84.6	5.57	0.7
A	B1	10/8/2009	7:52:28	5.3	B	28.60	30.22	78.4	5.14	7.4
A	B1	10/8/2009	7:53:32	4.1	M	28.95	29.59	97.2	6.35	1.5
A	B1	10/8/2009	7:54:33	1.9	S	28.76	29.34	91.6	6.01	1.3
A	B1	10/8/2009	7:56:05	5.7	B	27.87	31.26	68.8	4.53	7.5
A	B1	10/8/2009	7:57:13	4.1	M	28.93	29.62	94.3	6.16	1.7
A	B1	10/8/2009	7:58:04	1.8	S	28.85	29.36	95.1	6.23	1.2
A	S3	10/8/2009	8:05:40	10.3	B	27.89	31.12	66.9	4.41	2.6
A	S3	10/8/2009	8:07:17	5.8	M	28.50	30.18	80.3	5.27	1.3
A	S3	10/8/2009	8:08:10	1.6	S	28.64	29.61	86.5	5.68	1.2
A	S3	10/8/2009	8:10:23	10.4	B	27.94	31.03	66.6	4.39	2.7
A	S3	10/8/2009	8:11:16	5.9	M	28.52	30.16	79.5	5.21	1.2
A	S3	10/8/2009	8:12:13	1.6	S	28.67	29.42	86.9	5.71	0.7
A	S2	10/8/2009	9:16:36	8.2	B	28.24	30.50	78.5	5.17	1.9
A	S2	10/8/2009	9:17:26	8.2	B	28.25	30.45	72.4	4.76	1.4
A	S2	10/8/2009	9:18:43	4.5	M	28.46	30.03	78.3	5.15	1.0
A	S2	10/8/2009	9:19:28	4.5	M	28.49	29.99	80.8	5.31	1.0
A	S2	10/8/2009	9:20:21	1.1	S	28.72	29.29	85.2	5.60	0.5
A	S2	10/8/2009	9:21:05	1.1	S	28.72	29.29	86.0	5.65	0.4
A	S1	10/8/2009	9:32:18	7.9	B	28.00	30.98	64.8	4.27	2.7
A	S1	10/8/2009	9:33:03	7.9	B	27.97	31.03	61.0	4.02	2.9
A	S1	10/8/2009	9:34:07	4.2	M	29.13	29.94	100.8	6.56	1.4
A	S1	10/8/2009	9:35:01	4.2	M	29.14	29.93	107.2	6.97	1.3
A	S1	10/8/2009	9:39:25	1.5	S	28.82	29.34	90.5	5.93	0.8
A	S1	10/8/2009	9:40:13	1.5	S	28.87	29.28	89.7	5.88	0.9
A	B1	10/8/2009	9:51:58	6.2	B	28.33	30.55	67.6	4.44	7.4
A	B1	10/8/2009	9:52:56	6.3	B	28.24	30.69	61.9	4.07	7.8
A	B1	10/8/2009	9:54:23	3.5	M	28.75	29.36	87.4	5.74	0.7

Annex D Continuous *In-situ* Measurement Data

Zone	Station	Sampling Date	Time	Depth (m)	Depth	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)
A	B1	10/8/2009	9:55:05	3.5	M	28.73	29.34	87.9	5.77	0.7
A	B1	10/8/2009	9:57:54	1.4	S	28.80	29.32	95.2	6.25	1.0
A	B1	10/8/2009	9:58:34	1.4	S	28.81	29.32	96.2	6.31	1.0
A	S3	10/8/2009	10:16:21	10.4	B	27.78	31.35	68.5	4.52	2.1
A	S3	10/8/2009	10:17:06	10.4	B	27.79	31.34	65.0	4.29	2.3
A	S3	10/8/2009	10:18:06	5.0	M	28.40	29.90	81.4	5.36	1.0
A	S3	10/8/2009	10:19:01	5.0	M	28.43	29.70	80.9	5.33	0.8
A	S3	10/8/2009	10:22:58	1.1	S	28.62	29.44	88.6	5.83	0.8
A	S3	10/8/2009	10:24:01	1.1	S	28.48	29.54	82.5	5.44	0.6
A	S2	10/8/2009	10:35:53	7.7	B	27.52	31.69	61.6	4.07	6.5
A	S2	10/8/2009	10:36:42	7.7	B	27.52	31.68	60.3	3.99	6.7
A	S2	10/8/2009	10:37:40	4.3	M	28.60	29.84	84.3	5.53	1.1
A	S2	10/8/2009	10:38:36	4.3	M	28.61	29.82	87.0	5.71	0.8
A	S2	10/8/2009	10:39:22	1.3	S	28.85	29.28	91.6	6.01	0.5
A	S2	10/8/2009	10:40:09	1.3	S	28.85	29.27	92.6	6.07	0.5
A	S1	10/8/2009	10:50:32	7.8	B	28.46	30.29	76.1	4.99	1.9
A	S1	10/8/2009	10:51:18	7.8	B	28.47	30.29	75.5	4.95	1.8
A	S1	10/8/2009	10:52:13	4.3	M	29.11	29.95	103.0	6.70	1.3
A	S1	10/8/2009	10:53:01	4.3	M	29.13	29.93	108.7	7.07	1.2
A	S1	10/8/2009	10:56:26	1.3	S	28.82	29.16	96.1	6.31	0.6
A	S1	10/8/2009	10:57:20	1.3	S	28.84	29.17	91.8	6.02	0.8
A	B1	10/8/2009	11:08:01	5.8	B	28.60	30.19	82.4	5.40	2.5
A	B1	10/8/2009	11:08:51	5.8	B	28.57	30.20	80.3	5.26	2.4
A	B1	10/8/2009	11:09:40	3.3	M	28.89	29.75	94.8	6.20	1.6
A	B1	10/8/2009	11:10:28	3.3	M	28.95	29.63	100.0	6.53	1.3
A	B1	10/8/2009	11:11:18	1.2	S	28.80	29.24	96.4	6.33	1.0
A	B1	10/8/2009	11:12:04	1.2	S	28.80	29.25	95.9	6.29	1.1
A	S3	10/8/2009	11:29:03	10.4	B	27.65	31.51	63.7	4.21	4.7
A	S3	10/8/2009	11:30:01	10.4	B	27.44	31.80	63.2	4.18	4.0
A	S3	10/8/2009	11:31:02	5.2	M	28.22	30.26	73.0	4.81	0.9
A	S3	10/8/2009	11:32:01	5.2	M	28.18	30.40	73.7	4.85	0.7
A	S3	10/8/2009	11:33:03	1.2	S	28.75	29.35	89.9	5.90	0.8
A	S3	10/8/2009	11:34:01	1.2	S	28.74	29.32	90.6	5.95	0.7
A	S2	10/8/2009	11:44:45	8.1	B	28.04	30.85	71.1	4.68	1.6
A	S2	10/8/2009	11:45:26	8.1	B	28.02	30.89	68.9	4.54	1.6
A	S2	10/8/2009	11:46:20	4.2	M	28.51	29.98	79.1	5.19	0.9
A	S2	10/8/2009	11:47:06	4.2	M	28.51	30.00	80.1	5.26	0.9
A	S2	10/8/2009	11:49:57	1.4	S	28.83	29.34	94.4	6.19	0.7
A	S2	10/8/2009	11:50:43	1.4	S	28.84	29.33	95.0	6.23	0.7
A	S1	10/8/2009	12:01:53	7.9	B	28.14	30.81	79.1	5.20	4.0
A	S1	10/8/2009	12:02:40	8.0	B	28.12	30.83	64.1	4.22	4.0
A	S1	10/8/2009	12:03:43	4.2	M	29.01	29.93	101.1	6.59	1.4
A	S1	10/8/2009	12:04:25	4.2	M	29.08	29.93	109.3	7.11	1.2
A	S1	10/8/2009	12:05:17	1.2	S	28.86	29.17	97.8	6.42	0.7
A	S1	10/8/2009	12:06:03	1.2	S	28.85	29.17	97.3	6.39	0.7
A	B1	10/8/2009	12:17:33	6.0	B	28.82	30.00	95.0	6.21	1.2
A	B1	10/8/2009	12:18:14	6.0	B	28.80	30.01	93.4	6.11	1.4
A	B1	10/8/2009	12:19:26	3.3	M	28.87	29.66	98.2	6.42	1.2
A	B1	10/8/2009	12:20:10	3.3	M	28.86	29.70	98.1	6.41	1.1
A	B1	10/8/2009	12:21:10	0.9	S	28.84	29.26	100.2	6.57	1.0
A	B1	10/8/2009	12:22:02	0.9	S	28.88	29.20	102.6	6.73	0.8
A	S3	10/8/2009	12:37:20	10.3	B	27.29	31.93	62.1	4.12	4.3
A	S3	10/8/2009	12:38:02	10.3	B	27.31	31.89	61.5	4.08	4.4
A	S3	10/8/2009	12:40:55	5.6	M	27.80	31.25	69.1	4.56	1.5
A	S3	10/8/2009	12:41:38	5.6	M	27.79	31.27	68.6	4.53	1.4
A	S3	10/8/2009	12:42:43	1.3	S	28.83	29.69	97.8	6.40	1.7

Annex D Continuous *In-situ* Measurement Data

Zone	Station	Sampling Date	Time	Depth (m)	Depth	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)
A	S3	10/8/2009	12:43:26	1.3	S	28.72	29.85	96.4	6.31	1.6
A	S2	10/8/2009	13:53:41	6.8	B	28.02	30.84	70.1	4.62	1.0
A	S2	10/8/2009	13:54:35	4.3	M	28.98	29.80	105.6	6.89	1.0
A	S2	10/8/2009	13:55:25	1.3	S	29.07	29.20	106.1	6.93	0.9
A	S2	10/8/2009	13:58:05	7.0	B	27.99	30.91	69.0	4.55	1.0
A	S2	10/8/2009	13:59:02	4.4	M	29.03	29.83	109.6	7.14	1.0
A	S2	10/8/2009	14:00:02	1.3	S	29.15	29.24	109.0	7.11	0.8
A	S1	10/8/2009	14:06:10	6.7	B	27.48	31.69	51.8	3.43	11.9
A	S1	10/8/2009	14:07:23	4.3	M	28.24	30.64	62.4	4.10	3.9
A	S1	10/8/2009	14:08:30	1.3	S	28.86	29.33	98.3	6.44	0.7
A	S1	10/8/2009	14:13:24	7.1	B	27.45	31.76	53.2	3.52	8.8
A	S1	10/8/2009	14:14:16	4.4	M	28.10	30.80	62.5	4.11	2.6
A	S1	10/8/2009	14:15:21	1.6	S	29.19	29.69	127.2	8.28	1.2
A	B1	10/8/2009	14:21:14	5.3	B	27.50	31.64	62.2	4.11	4.4
A	B1	10/8/2009	14:24:12	3.1	M	28.48	30.33	75.3	4.94	6.5
A	B1	10/8/2009	14:25:18	1.4	S	28.99	29.81	106.2	6.93	2.3
A	B1	10/8/2009	14:27:04	5.3	B	27.49	31.67	64.6	4.27	3.7
A	B1	10/8/2009	14:28:02	3.3	M	28.25	30.58	66.9	4.40	5.7
A	B1	10/8/2009	14:29:29	1.5	S	29.08	29.59	95.1	6.20	4.0
A	S3	10/8/2009	14:38:52	8.6	B	26.78	32.44	60.2	4.01	8.4
A	S3	10/8/2009	14:39:51	5.1	M	28.31	30.49	75.0	4.93	1.9
A	S3	10/8/2009	14:41:07	1.4	S	28.71	29.99	91.2	5.97	1.5
A	S3	10/8/2009	14:44:14	8.2	B	26.82	32.38	60.2	4.01	8.3
A	S3	10/8/2009	14:45:43	5.4	M	28.26	30.55	74.3	4.89	1.8
A	S3	10/8/2009	14:46:35	1.4	S	28.79	29.94	95.1	6.22	1.7
A	S2	10/8/2009	15:46:25	6.9	B	28.17	30.73	73.5	4.83	1.6
A	S2	10/8/2009	15:47:16	6.8	B	28.24	30.60	69.4	4.56	1.6
A	S2	10/8/2009	15:48:10	4.2	M	29.03	29.88	110.0	7.17	1.1
A	S2	10/8/2009	15:49:01	4.2	M	29.04	29.88	118.3	7.71	1.1
A	S2	10/8/2009	15:50:01	1.1	S	29.05	29.49	112.0	7.31	0.7
A	S2	10/8/2009	15:51:01	1.1	S	29.03	29.37	116.1	7.59	0.9
A	S1	10/8/2009	15:59:29	7.3	B	27.50	31.73	51.8	3.42	9.1
A	S1	10/8/2009	16:00:14	7.3	B	27.48	31.75	51.2	3.38	9.7
A	S1	10/8/2009	16:01:27	4.2	M	28.95	29.98	113.8	7.42	1.4
A	S1	10/8/2009	16:02:15	4.2	M	28.87	30.04	115.2	7.52	1.4
A	S1	10/8/2009	16:04:41	1.3	S	29.37	29.36	107.8	7.00	0.7
A	S1	10/8/2009	16:05:24	1.3	S	29.27	29.36	112.5	7.32	0.7
A	B1	10/8/2009	16:14:33	5.2	B	28.25	30.62	67.9	4.46	6.5
A	B1	10/8/2009	16:15:13	5.2	B	28.15	30.77	63.6	4.18	6.4
A	B1	10/8/2009	16:17:00	3.0	M	28.88	29.93	97.2	6.35	3.4
A	B1	10/8/2009	16:17:47	3.0	M	28.65	30.19	82.8	5.42	5.2
A	B1	10/8/2009	16:18:58	1.3	S	29.36	29.31	127.4	8.28	2.0
A	B1	10/8/2009	16:19:45	1.3	S	29.38	29.41	105.5	6.85	2.9
A	S3	10/8/2009	16:34:59	9.2	B	27.04	32.13	62.5	4.16	9.6
A	S3	10/8/2009	16:36:01	9.2	B	27.19	31.94	62.4	4.14	8.4
A	S3	10/8/2009	16:37:16	5.1	M	28.25	30.57	73.2	4.81	1.7
A	S3	10/8/2009	16:38:02	5.1	M	28.19	30.68	72.1	4.74	1.8
A	S3	10/8/2009	16:39:02	1.2	S	28.84	29.78	101.8	6.66	1.1
A	S3	10/8/2009	16:40:01	1.2	S	28.90	29.58	103.0	6.74	0.9
A	S2	10/8/2009	16:50:56	6.7	B	27.71	31.46	60.6	4.00	2.7
A	S2	10/8/2009	16:52:00	6.7	B	27.72	31.44	60.0	3.96	2.8
A	S2	10/8/2009	16:53:01	4.2	M	28.43	30.23	78.6	5.16	1.0
A	S2	10/8/2009	16:53:50	4.2	M	28.49	30.23	81.0	5.31	1.2
A	S2	10/8/2009	16:54:41	1.0	S	29.01	29.50	114.1	7.46	1.0
A	S2	10/8/2009	16:55:30	1.1	S	29.00	29.52	119.9	7.83	1.1
A	S1	10/8/2009	17:05:42	7.0	B	27.66	31.52	56.1	3.71	5.4

Annex D Continuous *In-situ* Measurement Data

Zone	Station	Sampling Date	Time	Depth (m)	Depth	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)
A	S1	10/8/2009	17:06:28	7.0	B	27.66	31.51	55.4	3.66	5.3
A	S1	10/8/2009	17:08:09	4.2	M	28.56	30.19	83.1	5.45	1.2
A	S1	10/8/2009	17:09:01	4.1	M	28.56	30.19	84.0	5.50	1.2
A	S1	10/8/2009	17:10:00	1.1	S	29.47	29.15	121.4	7.88	0.8
A	S1	10/8/2009	17:11:02	1.1	S	29.43	29.20	122.7	7.97	0.7
A	B1	10/8/2009	17:21:46	4.9	B	29.02	29.75	117.0	7.63	2.1
A	B1	10/8/2009	17:22:29	4.8	B	29.02	29.78	119.0	7.76	2.0
A	B1	10/8/2009	17:23:31	3.3	M	29.07	29.52	121.6	7.93	2.0
A	B1	10/8/2009	17:24:14	3.3	M	29.06	29.55	120.7	7.87	1.9
A	B1	10/8/2009	17:25:12	1.1	S	29.51	29.19	133.6	8.67	1.6
A	B1	10/8/2009	17:26:01	1.1	S	29.38	29.27	127.2	8.27	1.9
A	S3	10/8/2009	17:40:15	9.2	B	26.91	32.29	60.6	4.03	9.2
A	S3	10/8/2009	17:41:00	9.1	B	26.84	32.39	59.7	3.97	10.1
A	S3	10/8/2009	17:43:37	5.1	M	28.56	30.20	88.6	5.81	1.4
A	S3	10/8/2009	17:44:23	5.1	M	28.49	30.28	86.1	5.65	1.8
A	S3	10/8/2009	17:45:15	1.2	S	29.04	29.22	103.3	6.75	0.6
A	S3	10/8/2009	17:46:11	1.2	S	29.10	29.20	105.8	6.91	0.6
A	S2	10/8/2009	17:55:26	7.0	B	27.93	31.07	70.8	4.66	1.7
A	S2	10/8/2009	17:56:14	7.1	B	27.92	31.08	68.6	4.52	1.7
A	S2	10/8/2009	17:57:14	4.2	M	28.08	30.83	74.1	4.88	1.5
A	S2	10/8/2009	17:58:08	4.2	M	28.10	30.79	75.2	4.95	1.2
A	S2	10/8/2009	17:59:06	1.2	S	28.65	29.87	92.7	6.08	0.9
A	S2	10/8/2009	18:00:03	1.2	S	28.66	29.86	95.2	6.24	0.9
A	S1	10/8/2009	18:11:07	7.0	B	27.71	31.45	59.7	3.94	4.8
A	S1	10/8/2009	18:12:03	7.0	B	27.69	31.47	57.0	3.76	5.0
A	S1	10/8/2009	18:13:19	4.4	M	28.52	30.31	80.1	5.25	1.9
A	S1	10/8/2009	18:14:06	4.4	M	28.63	30.22	84.3	5.52	1.5
A	S1	10/8/2009	18:15:19	1.5	S	29.33	29.30	121.3	7.89	0.8
A	S1	10/8/2009	18:16:03	1.5	S	29.30	29.36	121.6	7.91	0.8
A	B1	10/8/2009	18:28:14	5.1	B	28.24	30.61	70.3	4.62	4.6
A	B1	10/8/2009	18:29:03	5.1	B	28.22	30.62	69.8	4.59	4.3
A	B1	10/8/2009	18:30:09	3.5	M	28.80	30.05	91.8	6.00	2.7
A	B1	10/8/2009	18:31:02	3.5	M	28.71	30.12	88.6	5.80	2.9
A	B1	10/8/2009	18:32:14	1.5	S	29.09	29.41	119.5	7.80	1.4
A	B1	10/8/2009	18:33:02	1.5	S	29.20	29.36	123.3	8.04	1.7
A	S3	10/8/2009	18:44:19	9.0	B	27.29	31.94	64.9	4.30	3.9
A	S3	10/8/2009	18:45:03	9.0	B	27.29	31.96	64.4	4.27	3.6
A	S3	10/8/2009	18:46:08	5.2	M	28.27	30.57	79.1	5.20	1.7
A	S3	10/8/2009	18:47:02	5.2	M	28.43	30.30	84.5	5.55	1.6
A	S3	10/8/2009	18:49:41	1.5	S	29.09	29.26	119.1	7.78	0.8
A	S3	10/8/2009	18:50:08	1.5	S	29.09	29.27	120.6	7.88	0.7
A	S2	11/8/2009	7:10:19	7.9	B	27.85	31.04	63.2	4.17	1.9
A	S2	11/8/2009	7:11:14	7.9	B	27.85	31.06	61.9	4.09	1.9
A	S2	11/8/2009	7:12:18	4.5	M	28.05	30.70	63.9	4.21	1.5
A	S2	11/8/2009	7:13:04	4.5	M	28.02	30.78	63.1	4.16	1.7
A	S2	11/8/2009	7:14:10	1.1	S	28.54	29.52	73.5	4.84	0.7
A	S2	11/8/2009	7:15:02	1.1	S	28.56	29.66	74.9	4.92	0.6
A	S1	11/8/2009	7:27:02	8.1	B	27.81	31.20	54.4	3.59	2.8
A	S1	11/8/2009	7:27:45	8.1	B	27.84	31.15	54.4	3.59	2.6
A	S1	11/8/2009	7:28:38	4.6	M	28.43	30.03	71.6	4.71	0.9
A	S1	11/8/2009	7:29:24	4.6	M	28.48	30.01	74.4	4.89	0.8
A	S1	11/8/2009	7:30:22	1.3	S	29.04	29.65	107.1	6.99	0.9
A	S1	11/8/2009	7:31:15	1.3	S	29.10	29.65	111.8	7.28	0.8
A	B1	11/8/2009	7:43:18	6.1	B	28.12	30.72	59.2	3.90	4.9
A	B1	11/8/2009	7:44:05	6.1	B	28.11	30.73	59.8	3.94	4.3
A	B1	11/8/2009	7:46:56	3.3	M	28.88	29.56	88.1	5.76	0.7

Annex D Continuous *In-situ* Measurement Data

Zone	Station	Sampling Date	Time	Depth (m)	Depth	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)
A	B1	11/8/2009	7:47:38	3.4	M	28.91	29.65	85.6	5.59	1.2
A	B1	11/8/2009	7:48:34	1.2	S	28.99	29.31	97.0	6.35	0.7
A	B1	11/8/2009	7:49:25	1.2	S	28.92	29.20	95.7	6.27	0.9
A	S3	11/8/2009	8:04:11	9.9	B	27.47	31.60	61.4	4.07	3.2
A	S3	11/8/2009	8:05:07	9.9	B	27.51	31.56	61.0	4.04	3.1
A	S3	11/8/2009	8:06:22	5.4	M	28.36	30.29	67.1	4.41	1.4
A	S3	11/8/2009	8:07:08	5.4	M	28.40	30.26	69.1	4.54	1.6
A	S3	11/8/2009	8:09:44	1.1	S	28.59	29.73	82.7	5.43	0.7
A	S3	11/8/2009	8:10:38	1.1	S	28.62	29.53	82.7	5.43	0.9
A	S2	11/8/2009	8:17:09	7.9	B	28.25	30.41	67.7	4.46	1.3
A	S2	11/8/2009	8:18:05	4.7	M	28.52	29.83	76.2	5.01	0.7
A	S2	11/8/2009	8:19:02	1.0	S	28.47	28.61	87.1	5.77	0.4
A	S2	11/8/2009	8:20:47	8.2	B	28.26	30.41	69.2	4.55	1.3
A	S2	11/8/2009	8:21:53	4.4	M	28.66	29.83	79.3	5.20	0.6
A	S2	11/8/2009	8:22:46	1.1	S	28.47	28.68	85.7	5.67	0.4
A	S1	11/8/2009	8:28:49	8.0	B	27.87	31.06	61.3	4.04	3.8
A	S1	11/8/2009	8:29:50	4.4	M	28.19	30.55	63.8	4.20	1.4
A	S1	11/8/2009	8:30:50	1.0	S	28.82	29.11	92.4	6.07	0.5
A	S1	11/8/2009	8:33:10	8.1	B	27.87	31.08	62.0	4.09	2.3
A	S1	11/8/2009	8:34:05	4.4	M	28.41	30.28	70.1	4.61	1.2
A	S1	11/8/2009	8:35:02	1.1	S	28.80	29.15	91.7	6.02	0.5
A	B1	11/8/2009	8:42:51	6.0	B	28.02	30.85	60.4	3.98	3.7
A	B1	11/8/2009	8:43:51	3.5	M	28.53	30.22	72.2	4.74	3.3
A	B1	11/8/2009	8:44:51	1.1	S	28.90	29.39	93.3	6.11	1.1
A	B1	11/8/2009	8:47:32	5.7	B	28.06	30.82	57.1	3.76	3.9
A	B1	11/8/2009	8:48:17	3.4	M	28.74	29.92	75.4	4.94	3.3
A	B1	11/8/2009	8:49:12	1.1	S	28.91	29.49	91.1	5.96	1.1
A	S3	11/8/2009	8:58:47	10.0	B	27.70	31.35	64.7	4.27	1.6
A	S3	11/8/2009	8:59:46	5.8	M	28.18	30.54	68.9	4.54	1.0
A	S3	11/8/2009	9:00:52	1.2	S	28.63	29.50	84.7	5.57	0.6
A	S3	11/8/2009	9:02:43	10.1	B	27.82	31.21	64.9	4.29	1.4
A	S3	11/8/2009	9:03:31	5.6	M	28.38	30.15	72.3	4.75	0.7
A	S3	11/8/2009	9:04:19	1.3	S	28.54	29.37	85.9	5.66	0.6
A	S2	11/8/2009	10:02:11	8.3	B	28.10	30.58	62.3	4.11	3.1
A	S2	11/8/2009	10:03:04	8.0	B	28.44	30.02	70.1	4.61	1.4
A	S2	11/8/2009	10:04:07	4.6	M	28.45	28.59	87.9	5.82	0.5
A	S2	11/8/2009	10:05:02	4.6	M	28.47	28.79	86.8	5.74	0.5
A	S2	11/8/2009	10:07:34	1.3	S	28.43	28.38	91.1	6.05	0.6
A	S2	11/8/2009	10:08:11	1.4	S	28.43	28.30	91.5	6.08	0.7
A	S1	11/8/2009	10:17:48	8.3	B	27.83	31.14	62.5	4.12	2.9
A	S1	11/8/2009	10:18:31	8.3	B	27.84	31.13	61.4	4.05	3.1
A	S1	11/8/2009	10:19:31	4.6	M	28.60	29.75	86.4	5.68	0.6
A	S1	11/8/2009	10:20:13	4.6	M	28.52	29.77	82.3	5.41	0.6
A	S1	11/8/2009	10:22:50	1.6	S	28.87	29.55	103.1	6.75	0.7
A	S1	11/8/2009	10:23:31	1.6	S	28.87	29.31	108.1	7.08	0.7
A	B1	11/8/2009	10:34:30	6.3	B	28.66	30.03	77.4	5.07	3.2
A	B1	11/8/2009	10:35:12	6.3	B	28.67	30.02	77.2	5.06	3.3
A	B1	11/8/2009	10:36:50	3.6	M	28.92	29.77	99.3	6.48	0.9
A	B1	11/8/2009	10:37:26	3.6	M	28.92	29.73	99.0	6.47	0.9
A	B1	11/8/2009	10:38:46	1.4	S	28.89	29.47	97.9	6.41	0.7
A	B1	11/8/2009	10:39:15	1.4	S	28.89	29.47	96.9	6.34	0.7
A	S3	11/8/2009	10:54:52	10.4	B	27.60	31.46	64.2	4.25	4.8
A	S3	11/8/2009	10:55:41	10.4	B	27.53	31.53	61.6	4.08	5.3
A	S3	11/8/2009	10:56:52	5.4	M	28.60	29.87	81.8	5.37	0.6
A	S3	11/8/2009	10:57:37	5.4	M	28.64	29.65	84.5	5.55	0.7
A	S3	11/8/2009	10:58:29	1.3	S	28.53	28.83	88.8	5.87	0.7

Annex D Continuous *In-situ* Measurement Data

Zone	Station	Sampling Date	Time	Depth (m)	Depth	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)
A	S3	11/8/2009	10:59:13	1.3	S	28.53	28.86	89.7	5.93	0.8
A	S2	11/8/2009	11:08:44	8.1	B	27.87	31.08	61.4	4.05	3.8
A	S2	11/8/2009	11:09:26	8.1	B	27.83	31.15	62.4	4.12	2.9
A	S2	11/8/2009	11:10:31	4.5	M	28.64	29.84	85.7	5.62	0.9
A	S2	11/8/2009	11:11:15	4.4	M	28.37	30.23	85.6	5.63	0.9
A	S2	11/8/2009	11:12:17	1.2	S	28.45	28.01	92.1	6.12	0.9
A	S2	11/8/2009	11:13:02	1.2	S	28.45	27.97	92.9	6.18	0.9
A	S1	11/8/2009	11:22:25	8.3	B	28.02	30.88	61.5	4.05	3.8
A	S1	11/8/2009	11:23:08	8.3	B	28.03	30.86	60.5	3.99	3.7
A	S1	11/8/2009	11:25:30	4.5	M	29.05	29.58	114.7	7.48	0.9
A	S1	11/8/2009	11:26:13	4.5	M	28.96	29.49	111.4	7.28	0.7
A	S1	11/8/2009	11:27:11	1.0	S	28.56	28.46	97.4	6.45	0.6
A	S1	11/8/2009	11:28:02	1.0	S	28.55	28.40	97.3	6.45	0.7
A	B1	11/8/2009	11:39:41	5.9	B	28.91	29.71	92.8	6.06	1.5
A	B1	11/8/2009	11:40:25	5.9	B	28.92	29.66	93.6	6.12	1.3
A	B1	11/8/2009	11:41:50	3.7	M	28.95	29.29	106.2	6.95	1.5
A	B1	11/8/2009	11:42:37	3.7	M	28.96	29.33	107.1	7.01	1.2
A	B1	11/8/2009	11:43:37	1.0	S	28.86	28.86	104.5	6.87	1.3
A	B1	11/8/2009	11:44:21	1.0	S	28.83	28.68	104.4	6.87	1.4
A	S3	11/8/2009	12:01:56	9.9	B	27.95	30.91	63.1	4.16	4.5
A	S3	11/8/2009	12:04:12	9.2	B	28.19	30.52	68.0	4.48	2.1
A	S3	11/8/2009	12:05:25	5.1	M	28.41	30.22	75.9	4.99	1.0
A	S3	11/8/2009	12:06:13	5.1	M	28.42	30.21	76.6	5.03	0.7
A	S3	11/8/2009	12:07:13	1.2	S	28.56	28.88	92.5	6.11	0.8
A	S3	11/8/2009	12:08:02	1.2	S	28.58	28.78	94.5	6.24	0.7
A	S2	11/8/2009	14:34:24	7.7	B	27.96	30.89	69.6	4.59	2.0
A	S2	11/8/2009	14:35:30	4.5	M	28.79	29.51	91.5	6.00	0.6
A	S2	11/8/2009	14:36:22	1.3	S	28.99	28.34	108.5	7.13	0.5
A	S2	11/8/2009	14:38:27	7.9	B	27.97	30.90	69.3	4.57	1.5
A	S2	11/8/2009	14:39:32	4.6	M	28.82	29.65	97.9	6.41	0.7
A	S2	11/8/2009	14:40:33	1.3	S	29.08	28.25	108.7	7.14	0.5
A	S1	11/8/2009	14:46:27	6.8	B	27.59	31.42	64.4	4.26	3.2
A	S1	11/8/2009	14:47:26	4.2	M	28.59	30.02	79.8	5.23	1.3
A	S1	11/8/2009	14:48:21	1.4	S	28.73	28.77	111.2	7.32	0.6
A	S1	11/8/2009	14:49:52	6.9	B	27.62	31.39	66.8	4.42	3.7
A	S1	11/8/2009	14:52:59	3.6	M	29.00	29.41	101.0	6.60	1.5
A	S1	11/8/2009	14:54:02	1.6	S	28.72	28.68	114.8	7.57	0.6
A	B1	11/8/2009	15:03:09	4.3	B	28.11	30.71	59.6	3.92	7.4
A	B1	11/8/2009	15:04:23	3.3	M	28.29	30.49	66.8	4.39	5.4
A	B1	11/8/2009	15:05:35	1.5	S	28.84	28.68	112.7	7.42	2.0
A	B1	11/8/2009	15:07:03	4.5	B	28.13	30.69	64.7	4.26	7.2
A	B1	11/8/2009	15:08:30	3.1	M	28.28	30.50	65.0	4.27	6.2
A	B1	11/8/2009	15:09:17	1.3	S	28.88	28.22	124.4	8.20	1.2
A	S3	11/8/2009	15:16:52	8.9	B	26.48	32.56	62.4	4.18	5.0
A	S3	11/8/2009	15:17:51	4.9	M	28.36	30.24	78.5	5.16	0.9
A	S3	11/8/2009	15:18:45	1.3	S	28.88	28.76	113.9	7.49	0.8
A	S3	11/8/2009	15:21:21	8.9	B	26.50	32.56	61.2	4.10	4.3
A	S3	11/8/2009	15:22:25	5.0	M	28.35	30.28	78.4	5.15	1.0
A	S3	11/8/2009	15:23:18	1.2	S	28.89	28.75	114.3	7.51	0.8
A	S2	11/8/2009	16:26:25	7.0	B	27.69	31.28	72.1	4.77	1.2
A	S2	11/8/2009	16:27:10	7.0	B	27.66	31.29	69.4	4.59	1.3
A	S2	11/8/2009	16:28:01	4.2	M	28.71	29.19	102.1	6.71	0.6
A	S2	11/8/2009	16:29:01	4.2	M	28.73	29.23	105.7	6.94	0.7
A	S2	11/8/2009	16:30:02	1.3	S	29.08	28.43	126.7	8.31	0.8
A	S2	11/8/2009	16:31:01	1.3	S	29.07	28.41	127.1	8.34	0.7
A	S1	11/8/2009	16:41:30	6.6	B	27.71	31.28	62.7	4.14	5.2

Annex D Continuous *In-situ* Measurement Data

Zone	Station	Sampling Date	Time	Depth (m)	Depth	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)
A	S1	11/8/2009	16:42:31	6.6	B	27.79	31.17	61.3	4.04	5.3
A	S1	11/8/2009	16:43:56	4.0	M	28.57	30.06	82.5	5.41	1.8
A	S1	11/8/2009	16:44:44	4.0	M	28.77	29.69	93.3	6.11	1.3
A	S1	11/8/2009	16:47:23	1.3	S	28.98	28.74	125.5	8.24	0.8
A	S1	11/8/2009	16:48:09	1.3	S	29.03	28.64	127.3	8.35	0.8
A	B1	11/8/2009	16:59:54	4.9	B	28.61	30.08	79.4	5.20	4.1
A	B1	11/8/2009	17:00:42	4.8	B	28.62	30.06	80.2	5.26	4.3
A	B1	11/8/2009	17:01:37	3.3	M	28.75	29.81	92.7	6.07	2.5
A	B1	11/8/2009	17:02:21	3.3	M	28.72	29.88	91.6	6.00	2.5
A	B1	11/8/2009	17:03:22	1.1	S	29.12	28.53	125.5	8.23	1.5
A	B1	11/8/2009	17:04:14	1.1	S	29.07	28.65	124.9	8.19	1.4
A	S3	11/8/2009	17:19:38	9.0	B	27.25	31.96	67.5	4.48	2.0
A	S3	11/8/2009	17:20:28	9.0	B	27.16	32.04	66.4	4.41	2.1
A	S3	11/8/2009	17:21:30	5.2	M	28.21	30.51	71.6	4.71	0.8
A	S3	11/8/2009	17:22:19	5.1	M	28.20	30.53	72.1	4.75	0.8
A	S3	11/8/2009	17:23:22	1.2	S	29.01	28.77	128.3	8.41	0.9
A	S3	11/8/2009	17:24:23	1.2	S	29.01	28.78	129.1	8.47	0.9
A	S2	11/8/2009	17:33:16	7.1	B	27.77	31.19	71.6	4.73	1.2
A	S2	11/8/2009	17:34:20	7.0	B	27.82	31.14	69.6	4.59	1.2
A	S2	11/8/2009	17:35:34	4.1	M	28.52	30.07	78.9	5.18	1.2
A	S2	11/8/2009	17:36:40	4.1	M	28.80	29.81	105.1	6.87	1.0
A	S2	11/8/2009	17:37:57	1.1	S	29.02	28.55	134.0	8.80	0.9
A	S2	11/8/2009	17:38:43	1.1	S	29.02	28.76	125.6	8.24	0.7
A	S1	11/8/2009	17:49:02	6.7	B	27.69	31.32	67.6	4.47	2.4
A	S1	11/8/2009	17:50:10	6.7	B	27.67	31.33	65.7	4.34	2.6
A	S1	11/8/2009	17:52:13	3.8	M	28.53	30.15	79.8	5.24	1.9
A	S1	11/8/2009	17:53:10	3.8	M	28.48	30.21	76.1	5.00	2.1
A	S1	11/8/2009	17:54:16	1.3	S	29.10	28.49	125.1	8.20	0.8
A	S1	11/8/2009	17:55:02	1.3	S	29.10	28.49	125.6	8.24	0.8
A	B1	11/8/2009	18:08:10	5.1	B	28.87	29.40	109.2	7.15	2.5
A	B1	11/8/2009	18:09:38	5.1	B	28.86	29.42	105.6	6.92	2.8
A	B1	11/8/2009	18:11:50	3.3	M	28.91	29.15	121.0	7.93	1.5
A	B1	11/8/2009	18:12:39	3.3	M	28.95	29.03	123.6	8.10	1.6
A	B1	11/8/2009	18:14:39	1.1	S	29.08	28.58	135.4	8.88	1.1
A	B1	11/8/2009	18:15:31	1.1	S	29.06	28.57	137.0	8.99	1.0
A	S3	11/8/2009	18:36:07	8.9	B	27.27	31.94	69.1	4.58	1.7
A	S3	11/8/2009	18:37:00	8.9	B	27.26	31.94	66.6	4.42	2.3
A	S3	11/8/2009	18:38:49	5.1	M	28.36	30.35	73.2	4.81	1.5
A	S3	11/8/2009	18:40:02	5.1	M	28.49	30.12	85.0	5.58	1.3
A	S3	11/8/2009	18:42:02	0.9	S	29.05	28.71	141.0	9.24	0.8
A	S3	11/8/2009	18:44:02	0.9	S	29.05	28.71	141.9	9.30	0.9