

Figure C1 Dissolved Oxygen (mg/L) at the surface and mid-depth of the water column measured during the monitoring period from 27 February to 30 July 2009 for Zone A.



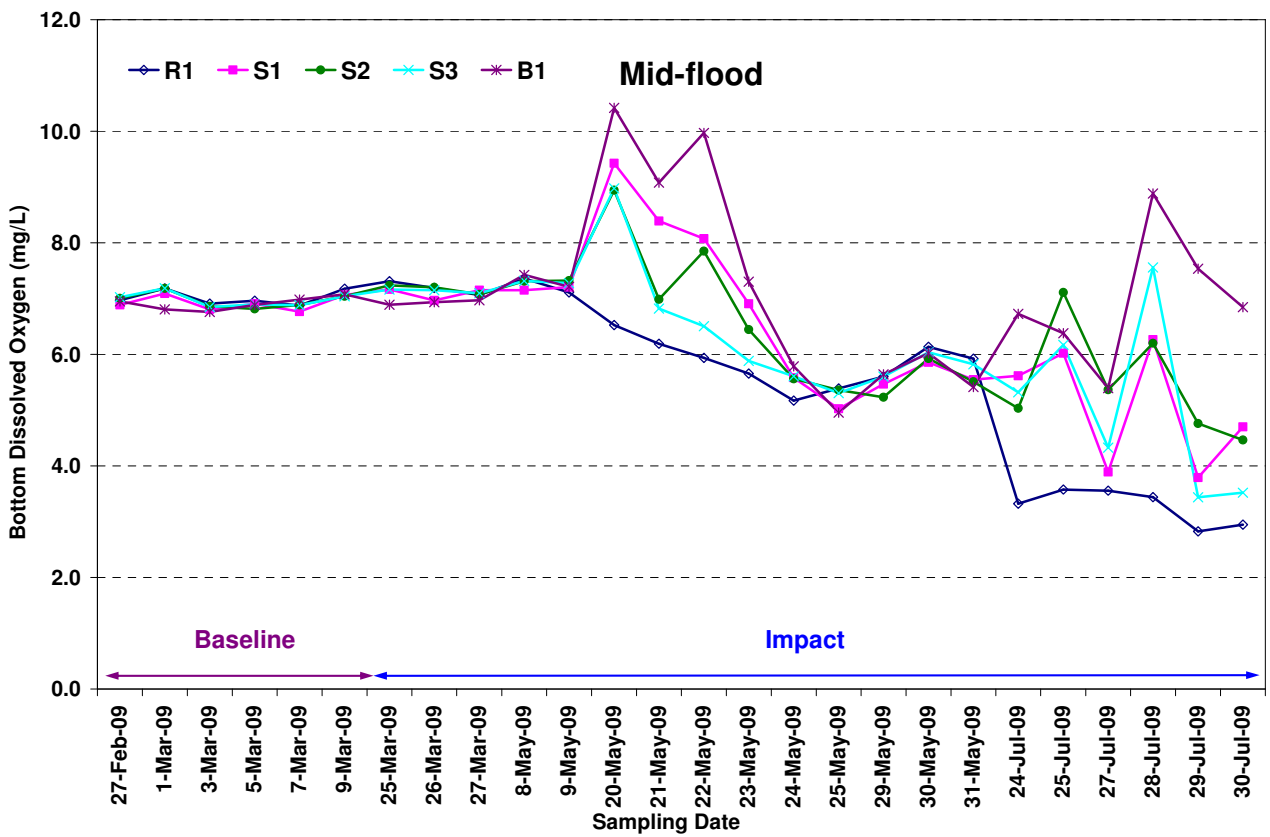
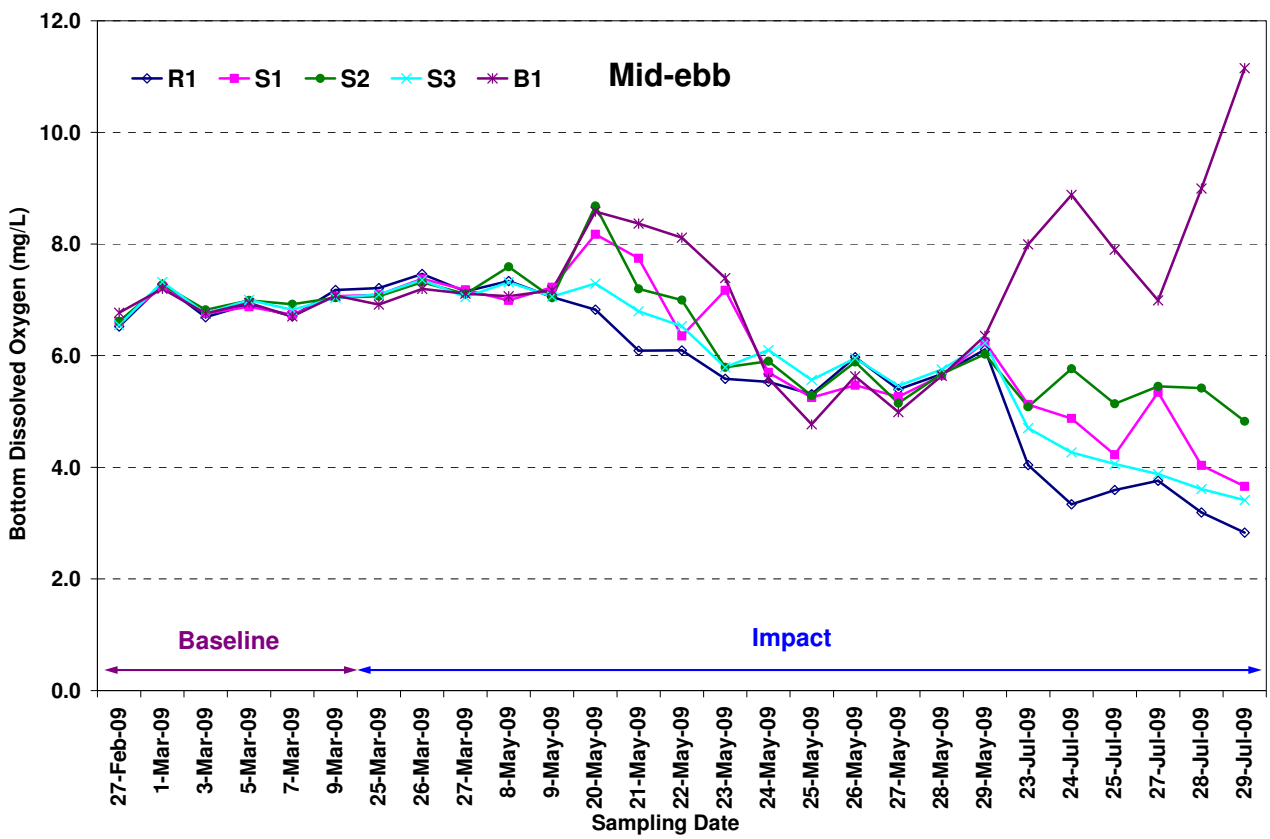


Figure C2 Dissolved Oxygen (mg/L) near the bottom of the water column measured during the monitoring period from 27 February to 30 July 2009 for Zone A.



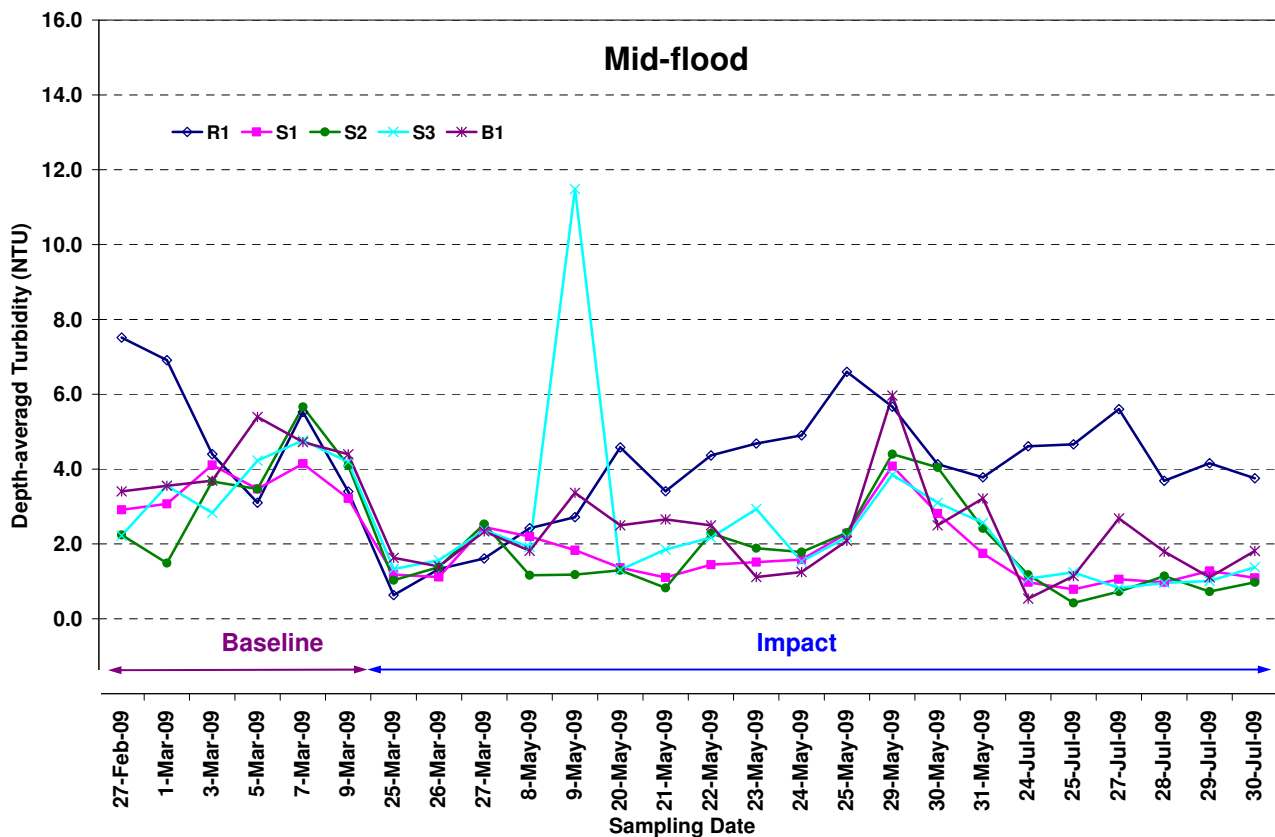
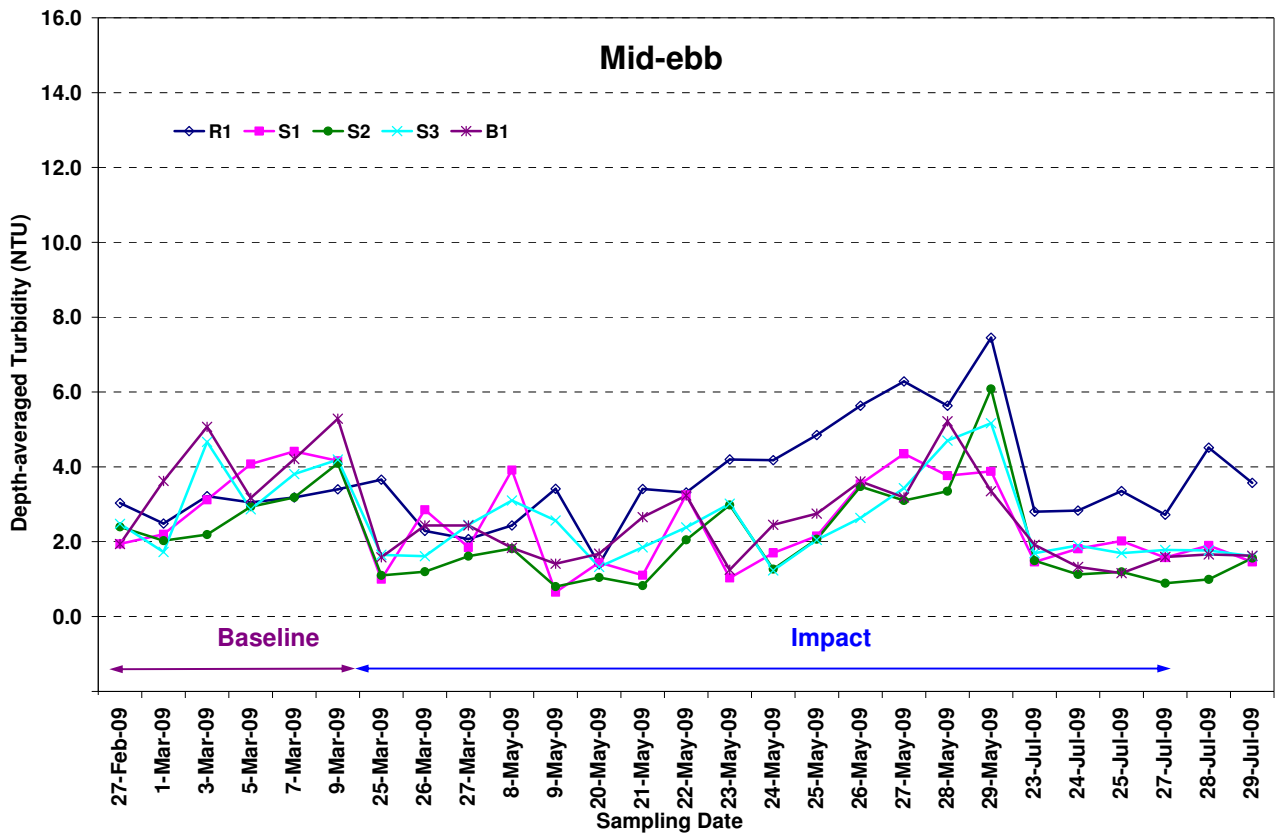


Figure C3 Depth-averaged turbidity (NTU) of water samples measured during the monitoring period from 27 February to 30 July 2009 for Zone A.



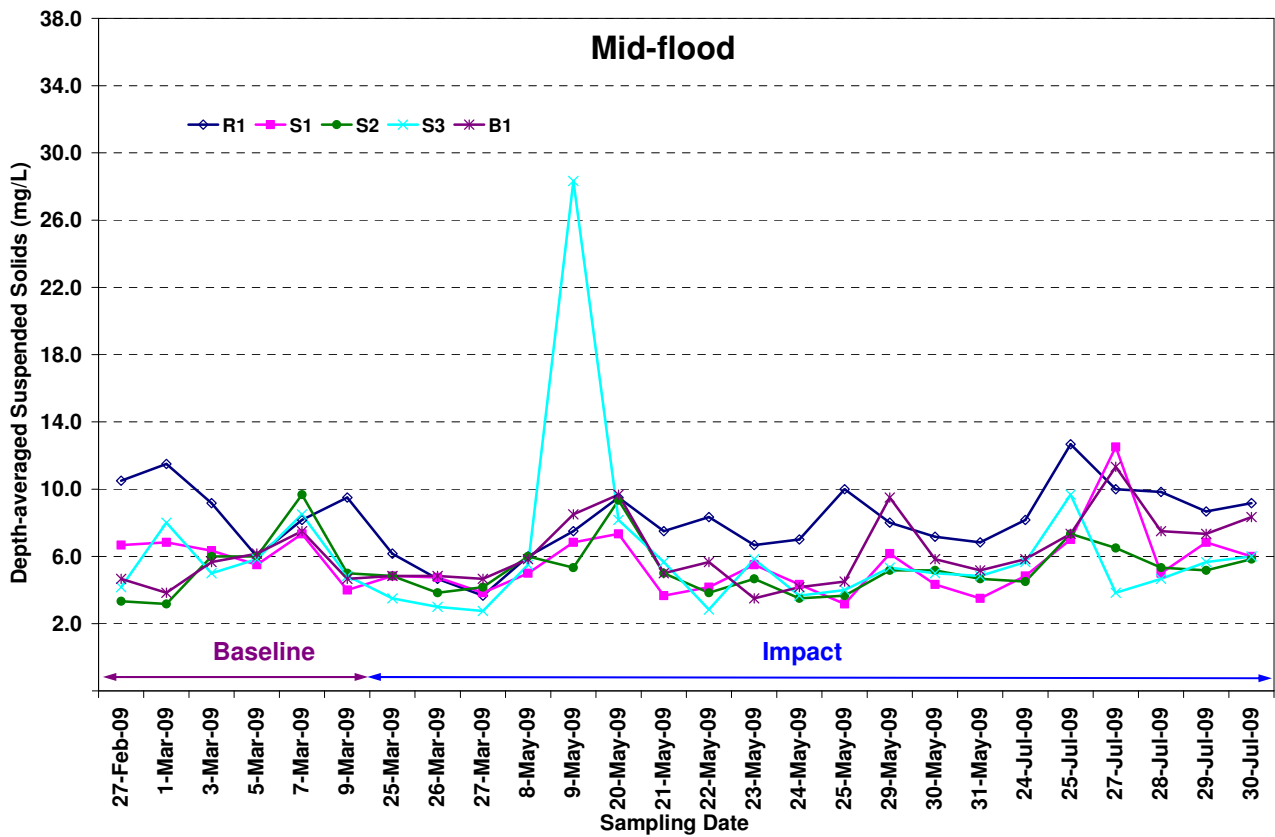
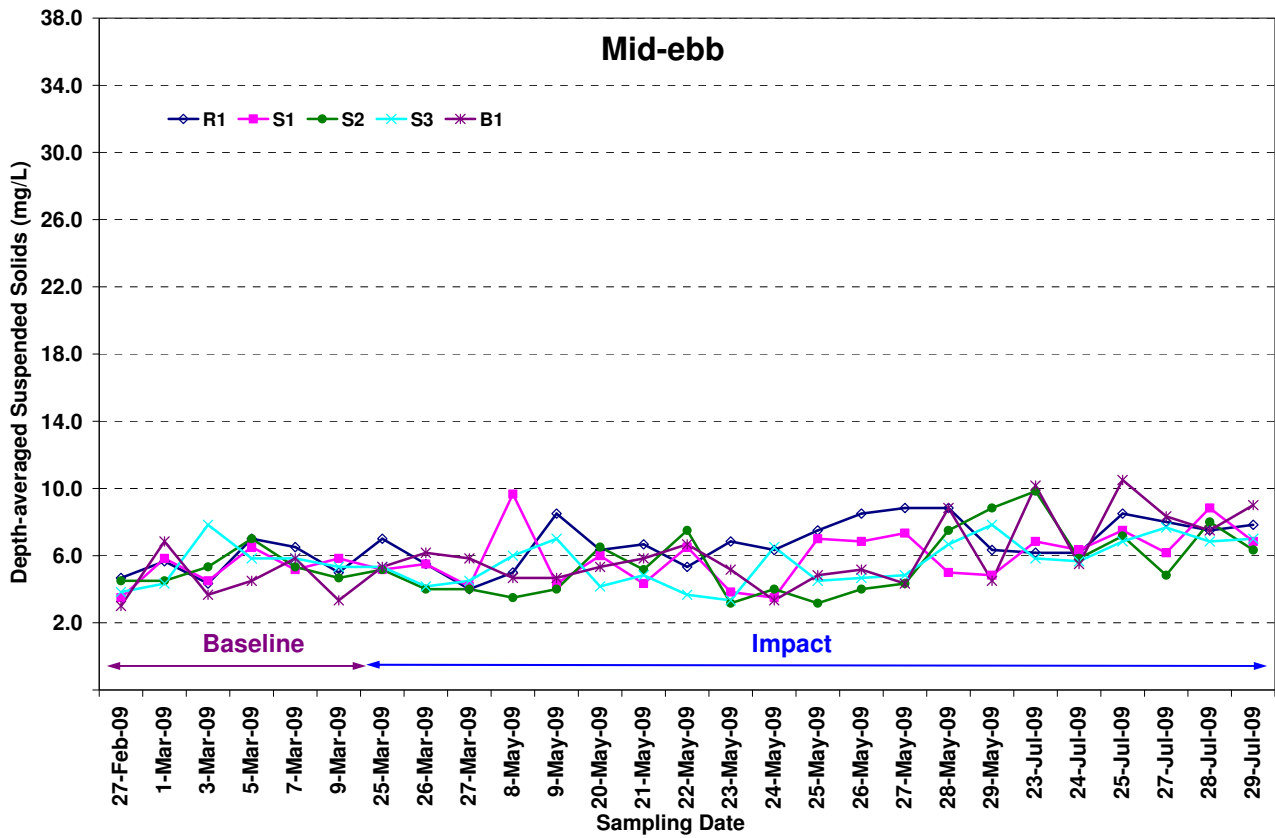


Figure C4 Depth-averaged Suspended Solids (mg/L) of water samples measured during the monitoring period from 27 February to 30 July 2009 for Zone A.



Impact Water Quality Monitoring Results During Mid-ebb tide for 23 July 2009

Sampling Date	7/23/2009
Weather	Sunny

Station	Zone A: R1									
Time (hh:mm)	13:24-13:32									
Water Depth (m)	22.40									
Monitoring Depth (m)	1.30			11.50			21.25			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.0	28.0	25.9	25.8	24.2	24.2	26.00	-	-	
Salinity (ppt)	27.2	27.1	30.7	31.0	33.1	33.1	30.37	-	-	
D.O. Saturation (%)	133.5	141.9	73.4	71.8	57.4	59.0	89.47	-	-	
D.O. (mg/L)	8.99	9.55	5.01	4.91	3.98	4.10	6.09	7.12	4.04	
Turbidity (NTU)	1.31	1.61	1.61	1.81	5.43	5.03	2.80	-	-	
SS (mg/L)	6.0	6.0	4.0	4.0	9.0	8.0	6.2	-	-	
Remarks										

Station	Zone A: S3									
Time (hh:mm)	13:04-13:09									
Water Depth (m)	12.60									
Monitoring Depth (m)	1.30			6.25			11.60			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.7	28.8	27.3	27.4	24.7	24.7	26.94	-	-	
Salinity (ppt)	27.2	27.2	28.7	28.5	32.5	32.6	29.44	-	-	
D.O. Saturation (%)	181.6	176.7	96.6	103.5	64.5	71.7	115.74	-	-	
D.O. (mg/L)	12.07	11.74	6.52	6.98	4.45	4.95	7.79	9.33	4.70	
Turbidity (NTU)	0.71	0.51	1.11	1.01	3.42	3.42	1.70	-	-	
SS (mg/L)	5.0	5.0	4.0	4.0	8.0	9.0	5.8	-	-	
Remarks										

Station	Zone A: S1									
Time (hh:mm)	12:36-12:42									
Water Depth (m)	9.40									
Monitoring Depth (m)	1.35			4.65			8.35			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	29.0	28.9	28.1	28.1	25.7	25.8	27.58	-	-	
Salinity (ppt)	27.0	27.0	27.6	27.6	31.0	30.9	28.52	-	-	
D.O. Saturation (%)	177.2	177.2	135.7	135.2	76.1	73.7	129.16	-	-	
D.O. (mg/L)	11.75	11.76	9.10	9.06	5.21	5.04	8.65	10.42	5.13	
Turbidity (NTU)	0.41	0.71	1.31	1.01	2.62	2.72	1.46	-	-	
SS (mg/L)	10.0	5.0	5.0	6.0	8.0	7.0	6.8	-	-	
Remarks										

Station	Zone A: B1									
Time (hh:mm)	12:49-12:55									
Water Depth (m)	7.30									
Monitoring Depth (m)	1.35			3.75			6.30			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.6	28.8	28.5	28.4	27.7	27.7	28.26	-	-	
Salinity (ppt)	27.2	27.2	27.5	27.4	28.4	28.4	27.67	-	-	
D.O. Saturation (%)	185.7	180.2	160.0	162.2	116.3	121.9	154.39	-	-	
D.O. (mg/L)	12.39	11.97	10.67	10.83	7.81	8.18	10.31	11.47	8.00	
Turbidity (NTU)	0.51	0.71	1.01	0.91	3.62	4.73	1.92	-	-	
SS (mg/L)	6.0	6.0	8.0	7.0	17.0	17.0	10.2	-	-	
Remarks										

Station	Zone A: S2									
Time (hh:mm)	12:24-12:29									
Water Depth (m)	10.30									
Monitoring Depth (m)	1.35			5.25			9.40			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.7	28.5	28.1	28.0	25.8	25.8	27.48	-	-	
Salinity (ppt)	27.2	27.2	27.7	27.7	30.9	30.8	28.61	-	-	
D.O. Saturation (%)	176.5	169.5	129.8	132.4	72.5	76.2	126.12	-	-	
D.O. (mg/L)	11.73	11.31	8.70	8.87	4.96	5.21	8.46	10.15	5.09	
Turbidity (NTU)	0.41	0.61	0.91	1.01	3.22	2.82	1.50	-	-	
SS (mg/L)	6.0	9.0	4.0	9.0	18.0	13.0	9.8	-	-	
Remarks										

Position	Easting	Northing	Depth	Time	Speed	Direction	Date
R1	836031.12	809004.15	0	133104	0	0	20090723
R1	836297.31	808905.28	0	133710	0.7758	110.4	20090723
R1	836489.94	808797.54	0	134137	0.8266	119.2	20090723
R1	836712.36	808662.12	0	134812	0.6592	121.3	20090723

Compliance with Action and Limit Level

Parameter	Action Level (baseline data)	Limit Level (baseline data)	Action Level (R1*1.2)	Limit Level (R1*1.3)	S1		S2		S3		B1	
					Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level
DO (Bottom)	6.58	6.42			Y	Y	Y	Y	Y	Y	N	N
DO (Depth-averaged)	6.59	6.42			N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	5.17	5.72	3.4	3.6	N	N	N	N	N	N	N	N
SS (Depth-averaged)	7.91	8.96	7.4	8.0	N	N	Y	Y	N	N	Y	Y

Impact Water Quality Monitoring Results During Mid-ebb tide for 24 July 2009

Sampling Date	7/24/2009
Weather	FINE

Station	Zone A: R1									
Time (hh:mm)	14:25-14:34									
Water Depth (m)	21.90									
Monitoring Depth (m)	0.95			11.15			20.60			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.2	28.0	26.2	25.9	23.9	24.0	26.04	-	-	
Salinity (ppt)	25.4	25.6	30.3	30.7	33.2	33.2	29.74	-	-	
D.O. Saturation (%)	100.3	97.6	66.7	64.3	47.0	48.7	70.76	-	-	
D.O. (mg/L)	6.79	6.63	4.55	4.39	3.28	3.39	4.84	5.59	3.34	
Turbidity (NTU)	1.31	1.31	2.01	2.11	5.93	4.33	2.83	-	-	
SS (mg/L)	4.0	6.0	5.0	6.0	10.0	6.0	6.2	-	-	
Remarks										

Station	Zone A: S3									
Time (hh:mm)	14:06-14:12									
Water Depth (m)	11.10									
Monitoring Depth (m)	0.90			5.50			10.10			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.7	28.5	27.7	27.7	25.0	25.0	27.06	-	-	
Salinity (ppt)	27.0	27.0	27.9	27.9	32.0	32.0	28.97	-	-	
D.O. Saturation (%)	160.8	158.6	107.2	107.2	59.7	64.0	109.58	-	-	
D.O. (mg/L)	10.71	10.59	7.23	7.22	4.12	4.41	7.38	8.94	4.27	
Turbidity (NTU)	0.71	0.81	1.11	1.21	3.82	3.72	1.90	-	-	
SS (mg/L)	6.0	5.0	5.0	4.0	8.0	6.0	5.7	-	-	
Remarks										

Station	Zone A: S1									
Time (hh:mm)	13:37-13:43									
Water Depth (m)	9.00									
Monitoring Depth (m)	1.05			4.40			7.95			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.8	28.7	28.2	28.2	26.9	26.8	27.93	-	-	
Salinity (ppt)	26.9	26.9	27.0	27.1	29.1	29.2	27.70	-	-	
D.O. Saturation (%)	157.2	156.8	134.4	130.3	70.2	73.5	120.42	-	-	
D.O. (mg/L)	10.46	10.45	9.02	8.74	4.76	4.99	8.07	9.67	4.88	
Turbidity (NTU)	0.81	0.81	1.11	0.81	3.92	3.42	1.81	-	-	
SS (mg/L)	5.0	4.0	6.0	5.0	8.0	10.0	6.3	-	-	
Remarks										

Station	Zone A: B1									
Time (hh:mm)	13:50-13:57									
Water Depth (m)	6.90									
Monitoring Depth (m)	0.95			3.50			5.80			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	29.1	29.0	28.5	28.5	28.5	28.5	28.68	-	-	
Salinity (ppt)	26.9	26.9	26.9	26.9	27.5	27.4	27.09	-	-	
D.O. Saturation (%)	161.6	162.9	165.2	152.6	130.5	136.0	151.43	-	-	
D.O. (mg/L)	10.70	10.79	11.03	10.20	8.70	9.06	10.08	10.68	8.88	
Turbidity (NTU)	0.51	0.41	0.81	1.11	2.92	2.22	1.33	-	-	
SS (mg/L)	6.0	3.0	5.0	4.0	9.0	6.0	5.5	-	-	
Remarks										

Station	Zone A: S2									
Time (hh:mm)	13:22-13:31									
Water Depth (m)	9.00									
Monitoring Depth (m)	0.95			4.35			7.90			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.7	28.5	28.2	28.2	27.3	27.5	28.06	-	-	
Salinity (ppt)	27.0	27.0	27.0	27.0	28.7	28.4	27.52	-	-	
D.O. Saturation (%)	152.9	158.6	143.7	146.4	82.0	88.9	128.74	-	-	
D.O. (mg/L)	10.18	10.59	9.65	9.83	5.54	5.99	8.63	10.06	5.77	
Turbidity (NTU)	0.71	0.71	0.71	0.91	1.91	1.81	1.13	-	-	
SS (mg/L)	5.0	4.0	7.0	7.0	6.0	6.0	5.8	-	-	
Remarks										

Compliance with Action and Limit Level												
Parameter	Action Level (baseline data)	Limit Level (baseline data)	Action Level (R1*1.2)	Limit Level (R1*1.3)	S1		S2		S3		B1	
					Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level
DO (Bottom)	6.58	6.42			Y	Y	Y	Y	Y	Y	N	N
DO (Depth-averaged)	6.59	6.42			N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	5.17	5.72	3.4	3.7	N	N	N	N	N	N	N	N
SS (Depth-averaged)	7.91	8.96	7.4	8.0	N	N	N	N	N	N	N	N

Impact Water Quality Monitoring Results During Mid-flood tide for 24 July 2009

Sampling Date	7/24/2009
Weather	FINE

Station	Zone A: R1									
Time (hh:mm)	07:27-07:35									
Water Depth (m)	22.40									
Monitoring Depth (m)	1.00			11.10			21.20			
Tide	Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	27.3	27.3	26.7	26.8	23.9	23.9	26.00	-	-	
Salinity (ppt)	26.4	26.4	29.0	28.8	33.3	33.3	29.51	-	-	
D.O. Saturation (%)	80.9	81.0	75.5	76.0	47.1	48.1	68.10	-	-	
D.O. (mg/L)	5.53	5.54	5.14	5.17	3.29	3.35	4.67	5.35	3.32	
Turbidity (NTU)	1.41	1.61	1.41	1.61	11.06	10.56	4.61	-	-	
SS (mg/L)	3.0	4.0	3.0	4.0	17.0	18.0	8.2	-	-	
Remarks										

Station	Zone A: S3									
Time (hh:mm)	07:07-07:14									
Water Depth (m)	11.30									
Monitoring Depth (m)	1.00			5.60			10.30			
Tide	Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.3	28.3	27.6	27.7	27.0	26.3	27.52	-	-	
Salinity (ppt)	27.2	27.2	28.1	28.0	28.9	30.0	28.25	-	-	
D.O. Saturation (%)	121.4	121.2	102.8	105.4	83.5	73.0	101.21	-	-	
D.O. (mg/L)	8.13	8.11	6.93	7.10	5.66	4.98	6.82	7.57	5.32	
Turbidity (NTU)	0.61	0.31	1.11	1.11	1.41	1.91	1.08	-	-	
SS (mg/L)	4.0	5.0	6.0	5.0	8.0	6.0	5.7	-	-	
Remarks										

Station	Zone A: S1									
Time (hh:mm)	06:42-06:48									
Water Depth (m)	9.00									
Monitoring Depth (m)	1.05			4.50			8.05			
Tide	Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.8	28.7	28.2	28.3	27.2	27.1	28.06	-	-	
Salinity (ppt)	27.3	27.3	27.7	27.7	28.7	28.8	27.90	-	-	
D.O. Saturation (%)	138.5	132.0	120.3	121.9	81.0	84.9	113.10	-	-	
D.O. (mg/L)	9.20	8.77	8.04	8.14	5.48	5.75	7.56	8.54	5.62	
Turbidity (NTU)	0.31	0.31	0.61	0.61	1.71	2.32	0.98	-	-	
SS (mg/L)	3.0	4.0	3.0	4.0	7.0	8.0	4.8	-	-	
Remarks										

Station	Zone A: B1									
Time (hh:mm)	06:53-07:00									
Water Depth (m)	7.00									
Monitoring Depth (m)	1.05			3.55			6.10			
Tide	Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	29.1	29.0	28.6	28.6	27.5	27.4	28.36	-	-	
Salinity (ppt)	26.9	27.1	27.3	27.3	28.2	28.3	27.52	-	-	
D.O. Saturation (%)	143.0	143.6	101.9	136.2	100.7	98.7	120.69	-	-	
D.O. (mg/L)	9.47	9.51	6.79	9.07	6.79	6.66	8.05	8.71	6.73	
Turbidity (NTU)	0.00	0.10	0.81	0.31	0.91	1.11	0.54	-	-	
SS (mg/L)	6.0	4.0	6.0	6.0	7.0	6.0	5.8	-	-	
Remarks										

Station	Zone A: S2									
Time (hh:mm)	06:27-06:34									
Water Depth (m)	9.20									
Monitoring Depth (m)	1.10			4.45			8.10			
Tide	Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.1	28.2	27.7	27.7	27.0	27.0	27.62	-	-	
Salinity (ppt)	27.2	27.3	28.1	28.0	28.9	28.9	28.06	-	-	
D.O. Saturation (%)	112.1	108.2	105.6	105.7	72.6	76.0	96.69	-	-	
D.O. (mg/L)	7.53	7.26	7.11	7.12	4.92	5.15	6.52	7.26	5.04	
Turbidity (NTU)	0.51	0.71	0.51	0.81	2.32	2.22	1.18	-	-	
SS (mg/L)	3.0	4.0	5.0	5.0	6.0	4.0	4.5	-	-	
Remarks										

Position	Easting	Northing	Depth	Time	Speed	Direction	Date
R1	835949.14	809051.51	0	74059	0	0	20090724
R1	835912.71	809104.16	0	75021	0.1139	325.3	20090724
R1	835900.05	809152.41	0	80219	0.0793	332.1	20090724

Compliance with Action and Limit Level

Parameter	Action Level (baseline data)	Limit Level (baseline data)	Action Level (R1*1.2)	Limit Level (R1*1.3)	S1		S2		S3		B1	
					Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level
DO (Bottom)	6.58	6.42			Y	Y	Y	Y	Y	Y	N	N
DO (Depth-averaged)	6.59	6.42			N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	5.17	5.72	5.5	6.0	N	N	N	N	N	N	N	N
SS (Depth-averaged)	7.91	8.96	9.8	10.6	N	N	N	N	N	N	N	N

Impact Water Quality Monitoring Results During Mid-ebb tide for 25 July 2009

Sampling Date	7/25/2009
Weather	Fine

Station	Zone A: R1									
Time (hh:mm)	14:46-14:54									
Water Depth (m)	22.10									
Monitoring Depth (m)	1.20			11.40			20.95			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.0	28.2	24.7	24.5	23.6	23.6	25.42	-	-	
Salinity (ppt)	25.8	25.4	32.2	32.4	33.5	33.5	30.45	-	-	
D.O. Saturation (%)	104.5	101.9	55.8	54.0	51.1	51.6	69.81	-	-	
D.O. (mg/L)	7.09	6.90	3.86	3.74	3.58	3.61	4.80	5.40	3.60	
Turbidity (NTU)	1.11	0.91	2.62	3.12	6.74	5.63	3.36	-	-	
SS (mg/L)	4.0	7.0	9.0	5.0	13.0	13.0	8.50	-	-	
Remarks										

Station	Zone A: S3									
Time (hh:mm)	14:26-14:33									
Water Depth (m)	11.10									
Monitoring Depth (m)	1.15			5.60			10.15			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.8	28.7	27.6	27.4	24.8	24.3	26.93	-	-	
Salinity (ppt)	26.9	26.8	27.5	27.9	32.0	32.6	28.95	-	-	
D.O. Saturation (%)	160.6	156.1	112.5	107.2	61.3	55.8	108.90	-	-	
D.O. (mg/L)	10.68	10.41	7.61	7.25	4.24	3.88	7.35	8.99	4.06	
Turbidity (NTU)	0.81	0.71	0.91	1.41	2.32	4.02	1.70	-	-	
SS (mg/L)	6.0	6.0	7.0	5.0	9.0	8.0	6.83	-	-	
Remarks										

Station	Zone A: S1									
Time (hh:mm)	13:58-14:04									
Water Depth (m)	9.00									
Monitoring Depth (m)	1.15			4.45			8.10			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	29.0	28.9	28.1	27.8	25.6	25.6	27.49	-	-	
Salinity (ppt)	27.0	26.9	27.2	27.7	31.0	31.0	28.47	-	-	
D.O. Saturation (%)	146.7	144.6	128.2	113.1	59.8	63.5	109.29	-	-	
D.O. (mg/L)	9.72	9.59	8.62	7.60	4.10	4.35	7.33	8.88	4.23	
Turbidity (NTU)	0.41	0.51	0.91	0.91	4.83	4.53	2.02	-	-	
SS (mg/L)	5.0	6.0	6.0	5.0	13.0	10.0	7.50	-	-	
Remarks										

Station	Zone A: B1									
Time (hh:mm)	14:11-14:18									
Water Depth (m)	6.60									
Monitoring Depth (m)	1.15			3.55			5.65			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.8	28.5	28.1	28.2	27.8	27.8	28.17	-	-	
Salinity (ppt)	26.7	26.7	26.8	26.9	27.8	27.9	27.13	-	-	
D.O. Saturation (%)	143.2	144.7	142.8	143.2	117.9	116.9	134.78	-	-	
D.O. (mg/L)	9.53	9.68	9.62	9.63	7.93	7.87	9.04	9.62	7.90	
Turbidity (NTU)	0.71	0.81	0.71	1.21	1.51	2.01	1.16	-	-	
SS (mg/L)	6.0	10.0	8.0	6.0	13.0	20.0	10.50	-	-	
Remarks										

Station	Zone A: S2									
Time (hh:mm)	13:46-13:53									
Water Depth (m)	9.10									
Monitoring Depth (m)	1.20			4.45			8.10			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.7	28.9	28.4	28.4	26.0	26.9	27.86	-	-	
Salinity (ppt)	27.1	27.1	27.1	27.1	30.4	29.0	27.96	-	-	
D.O. Saturation (%)	148.7	149.9	133.7	136.0	67.8	83.1	119.88	-	-	
D.O. (mg/L)	9.90	9.95	8.95	9.10	4.64	5.64	8.03	9.48	5.14	
Turbidity (NTU)	0.31	0.10	0.51	0.51	2.92	2.82	1.20	-	-	
SS (mg/L)	5.0	5.0	8.0	7.0	8.0	10.0	7.2	-	-	
Remarks										

Position	Easting	Northing	Depth	Time	Speed	Direction	Date
R1	835951.35	809056.18	0	150114	0.0113	200.1	20090725
R1	836180.94	808934.46	0	150701	0.7489	117.9	20090725
R1	836349.24	808815.64	0	151125	0.7804	125.2	20090725
R1	836501.29	808707.68	0	151546	0.7145	125.4	20090725

0.75 122.83

Compliance with Action and Limit Level

Parameter	Action Level (baseline data)	Limit Level (baseline data)	Action Level (R1*1.2)	Limit Level (R1*1.3)	S1		S2		S3		B1	
					Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level
DO (Bottom)	6.58	6.42			Y	Y	Y	Y	Y	Y	N	N
DO (Depth-averaged)	6.59	6.42			N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	5.17	5.72	4.0	4.4	N	N	N	N	N	N	N	N
SS (Depth-averaged)	7.91	8.96	10.2	11.1	N	N	N	N	N	N	Y	Y

Impact Water Quality Monitoring Results During Mid-flood tide for 25 July 2009

Sampling Date	7/25/2009
Weather	Fine

Station		Zone A: R1								
Time (hh:mm)		09:01-09:08								
Water Depth (m)		22.20								
Monitoring Depth (m)		1.15			11.25			21.15		
Tide		Mid-Flood								
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	27.7	27.7	26.6	25.9	23.7	23.7	25.88	-	-	
Salinity (ppt)	26.5	26.8	29.0	30.3	33.3	33.3	29.84	-	-	
D.O. Saturation (%)	106.6	106.3	82.2	70.5	49.4	52.9	77.96	-	-	
D.O. (mg/L)	7.23	7.20	5.60	4.83	3.45	3.70	5.34	6.22	3.58	
Turbidity (NTU)	1.01	1.11	1.61	1.91	12.57	9.75	4.66	-	-	
SS (mg/L)	5.0	10.0	8.0	6.0	20.0	27.0	12.7	-	-	
Remarks										

Station		Zone A: S3								
Time (hh:mm)		08:39-08:45								
Water Depth (m)		11.10								
Monitoring Depth (m)		1.10			5.95			10.10		
Tide		Mid-Flood								
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	27.4	27.4	27.2	27.2	27.1	27.1	27.21	-	-	
Salinity (ppt)	26.4	26.4	27.9	27.8	28.5	28.5	27.57	-	-	
D.O. Saturation (%)	92.0	92.5	94.8	91.7	90.3	91.4	92.12	-	-	
D.O. (mg/L)	6.29	6.31	6.44	6.23	6.13	6.21	6.27	6.32	6.17	
Turbidity (NTU)	1.01	1.11	1.11	1.41	1.41	1.41	1.24	-	-	
SS (mg/L)	4.0	7.0	7.0	6.0	16.0	18.0	9.7	-	-	
Remarks										

Station		Zone A: S1								
Time (hh:mm)		08:08-08:15								
Water Depth (m)		9.10								
Monitoring Depth (m)		1.10			4.45			8.15		
Tide		Mid-Flood								
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.5	28.5	28.1	28.2	27.0	27.1	27.89	-	-	
Salinity (ppt)	27.1	27.1	27.3	27.2	28.7	28.6	27.66	-	-	
D.O. Saturation (%)	138.9	133.0	128.9	131.5	87.9	89.7	118.31	-	-	
D.O. (mg/L)	9.28	8.88	8.65	8.81	5.96	6.08	7.94	8.91	6.02	
Turbidity (NTU)	0.00	0.00	0.00	0.41	2.11	2.22	0.79	-	-	
SS (mg/L)	8.0	5.0	6.0	7.0	8.0	8.0	7.0	-	-	
Remarks										

Station		Zone A: B1								
Time (hh:mm)		08:24-08:30								
Water Depth (m)		7.00								
Monitoring Depth (m)		1.10			3.50			5.95		
Tide		Mid-Flood								
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.6	28.7	27.8	27.8	27.5	27.5	27.97	-	-	
Salinity (ppt)	26.8	26.7	27.7	27.6	28.2	28.2	27.51	-	-	
D.O. Saturation (%)	141.3	138.9	113.1	117.0	94.7	94.4	116.54	-	-	
D.O. (mg/L)	9.44	9.26	7.62	7.88	6.39	6.37	7.83	8.55	6.38	
Turbidity (NTU)	0.10	0.21	1.11	1.01	2.11	2.32	1.14	-	-	
SS (mg/L)	9.0	6.0	8.0	5.0	7.0	9.0	7.3	-	-	
Remarks										

Station		Zone A: S2								
Time (hh:mm)		07:55-08:01								
Water Depth (m)		9.00								
Monitoring Depth (m)		1.00			4.40			8.05		
Tide		Mid-Flood								
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.1	28.1	28.1	28.0	27.6	27.6	27.93	-	-	
Salinity (ppt)	27.4	27.2	27.5	27.5	27.9	28.0	27.58	-	-	
D.O. Saturation (%)	127.2	126.9	121.3	118.9	104.5	106.3	117.51	-	-	
D.O. (mg/L)	8.53	8.53	8.13	7.98	7.05	7.17	7.90	8.29	7.11	
Turbidity (NTU)	0.00	0.00	0.21	0.31	1.11	0.91	0.42	-	-	
SS (mg/L)	6.0	8.0	6.0	4.0	11.0	9.0	7.3	-	-	
Remarks										

Position	Easting	Northing	Depth	Time	Speed	Direction	Date
R1	835948.07	809060.79	0	91258	0	0	20090725
R1	835976.98	809121.23	0	91742	0.2359	25.6	20090725
R1	836004.54	809198.69	0	92414	0.2097	19.6	20090725
R1	836028.67	809267.73	0	93008	0.2066	19.3	20090725

0.22 21.50

Compliance with Action and Limit Level

Parameter	Action Level (baseline data)	Limit Level (baseline data)	Action Level (R1*1.2)	Limit Level (R1*1.3)	S1		S2		S3		B1	
					Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level
DO (Bottom)	6.58	6.42			Y	Y	N	N	Y	Y	Y	Y
DO (Depth-averaged)	6.59	6.42			N	N	N	N	Y	Y	N	N
Turbidity (Depth-averaged)	5.17	5.72	5.6	6.1	N	N	N	N	N	N	N	N
SS (Depth-averaged)	7.91	8.96	15.2	16.5	N	N	N	N	Y	Y	N	N

Impact Water Quality Monitoring Results During Mid-ebb tide for 27July 2009

Sampling Date	7/27/2009
Weather	Fine

Station										Zone A: R1									
Time (hh:mm)										16:22-16:31									
Water Depth (m)										22.60									
Monitoring Depth (m)										1.25			11.25			21.35			
Tide										Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom										
Water Temperature (°C)	28.0	28.1	24.4	24.4	23.7	23.7	25.38	-	-										
Salinity (ppt)	26.1	26.2	32.7	32.7	33.5	33.5	30.81	-	-										
D.O. Saturation (%)	124.5	133.7	50.2	51.0	52.9	54.8	77.85	-	-										
D.O. (mg/L)	8.43	9.03	3.48	3.54	3.70	3.82	5.33	6.12	3.76										
Turbidity (NTU)	0.41	0.51	2.32	2.62	4.63	5.83	2.72	-	-										
SS (mg/L)	6.0	5.0	7.0	6.0	13.0	11.0	8.0	-	-										
Remarks																			

Station										Zone A: S3									
Time (hh:mm)										16:03-16:10									
Water Depth (m)										10.30									
Monitoring Depth (m)										1.15			5.15			9.20			
Tide										Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom										
Water Temperature (°C)	29.1	29.1	27.4	27.3	24.4	24.5	26.97	-	-										
Salinity (ppt)	26.1	26.1	27.6	27.7	32.4	32.4	28.71	-	-										
D.O. Saturation (%)	194.6	193.4	113.3	112.9	56.2	55.6	120.99	-	-										
D.O. (mg/L)	12.94	12.85	7.68	7.66	3.90	3.86	8.15	10.28	3.88										
Turbidity (NTU)	0.51	0.61	1.01	1.01	4.02	3.52	1.78	-	-										
SS (mg/L)	6.0	7.0	5.0	5.0	11.0	12.0	7.7	-	-										
Remarks																			

Station										Zone A: S1									
Time (hh:mm)										15:31-15:38									
Water Depth (m)										7.90									
Monitoring Depth (m)										1.25			4.15			6.90			
Tide										Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom										
Water Temperature (°C)	29.7	29.6	27.3	27.3	26.4	26.3	27.78	-	-										
Salinity (ppt)	24.8	24.9	27.7	27.7	28.9	29.1	27.21	-	-										
D.O. Saturation (%)	163.8	170.5	105.7	106.9	73.8	82.4	117.20	-	-										
D.O. (mg/L)	10.86	11.30	7.18	7.25	5.05	5.64	7.88	9.15	5.35										
Turbidity (NTU)	2.01	2.01	0.71	0.91	1.51	2.32	1.58	-	-										
SS (mg/L)	9.0	8.0	5.0	6.0	4.0	5.0	6.2	-	-										
Remarks																			

Station										Zone A: B1									
Time (hh:mm)										15:47-15:52									
Water Depth (m)										6.20									
Monitoring Depth (m)										1.15			3.20			5.15			
Tide										Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom										
Water Temperature (°C)	28.9	28.3	27.6	27.5	27.2	27.2	27.79	-	-										
Salinity (ppt)	25.7	27.0	27.6	27.6	28.0	27.9	27.31	-	-										
D.O. Saturation (%)	175.8	160.2	120.9	128.3	97.8	108.0	131.82	-	-										
D.O. (mg/L)	11.74	10.75	8.16	8.68	6.64	7.34	8.89	9.83	6.99										
Turbidity (NTU)	2.11	1.61	2.22	1.11	1.61	0.91	1.60	-	-										
SS (mg/L)	9.0	8.0	11.0	10.0	6.0	6.0	8.3	-	-										
Remarks																			

Station										Zone A: S2									
Time (hh:mm)										15:18-15:23									
Water Depth (m)										7.90									
Monitoring Depth (m)										1.15			4.25			6.90			
Tide										Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom										
Water Temperature (°C)	29.4	29.5	27.4	27.3	26.6	26.6	27.79	-	-										
Salinity (ppt)	25.8	25.8	27.1	27.5	28.9	28.8	27.29	-	-										
D.O. Saturation (%)	184.4	182.0	127.7	87.7	76.9	82.8	123.56	-	-										
D.O. (mg/L)	12.22	12.05	8.68	5.96	5.25	5.65	8.30	9.73	5.45										
Turbidity (NTU)	1.21	1.01	0.61	0.71	1.01	0.81	0.89	-	-										
SS (mg/L)	6.0	7.0	3.0	4.0	5.0	4.0	4.8	-	-										
Remarks																			

Position	Easting	Northing	Depth	Time	Speed	Direction	Date
R1	835949.58	809048.33	0	164412	0.004	90.4	20090727
R1	836158.79	808959.5	0	165100	0.5571	113	20090727
R1	836334.89	808923.4	0	165631	0.5431	101.6	20090727
R1	836487.97	808828.78	0	170227	0.5055	121.7	20090727

Compliance with Action and Limit Level

Parameter	Action Level (baseline data)	Limit Level (baseline data)	Action Level (R1*1.2)	Limit Level (R1*1.3)	S1		S2		S3		B1	
					Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level
DO (Bottom)	6.58	6.42			Y	Y	Y	Y	Y	Y	N	N
DO (Depth-averaged)	6.59	6.42			N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	5.17	5.72	3.3	3.5	N	N	N	N	N	N	N	N
SS (Depth-averaged)	7.91	8.96	9.6	10.4	N	N	N	N	N	N	Y	N

Impact Water Quality Monitoring Results During Mid-flood tide for 27 July 2009

Sampling Date	7/27/2009
Weather	Fine

Station		Zone A: R1								
Time (hh:mm)		09:52-09:59								
Water Depth (m)		21.90								
Monitoring Depth (m)		1.10			11.25			21.00		
Tide		Mid-Flood								
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	27.8	27.8	25.8	25.8	23.7	23.7	25.73	-	-	
Salinity (ppt)	26.0	26.1	30.3	30.3	33.6	33.6	29.98	-	-	
D.O. Saturation (%)	112.7	113.8	60.5	61.8	49.9	52.0	75.11	-	-	
D.O. (mg/L)	7.66	7.73	4.15	4.24	3.48	3.63	5.15	5.95	3.56	
Turbidity (NTU)	0.41	0.31	0.91	0.91	14.58	16.49	5.60	-	-	
SS (mg/L)	5.0	5.0	3.0	4.0	21.0	22.0	10.0	-	-	
Remarks										

Station		Zone A: S3								
Time (hh:mm)		09:32-09:40								
Water Depth (m)		11.40								
Monitoring Depth (m)		1.25			5.70			10.35		
Tide		Mid-Flood								
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.1	28.2	26.6	26.6	25.6	25.7	26.80	-	-	
Salinity (ppt)	26.1	26.0	28.4	28.5	30.6	30.5	28.33	-	-	
D.O. Saturation (%)	118.0	122.1	77.0	77.6	63.9	62.1	86.78	-	-	
D.O. (mg/L)	7.98	8.24	5.27	5.31	4.39	4.26	5.91	6.70	4.33	
Turbidity (NTU)	0.41	0.51	0.81	0.91	1.01	1.31	0.83	-	-	
SS (mg/L)	4.0	4.0	3.0	3.0	5.0	4.0	3.8	-	-	
Remarks										

Station		Zone A: S1								
Time (hh:mm)		09:03-09:10								
Water Depth (m)		9.20								
Monitoring Depth (m)		1.20			4.45			8.25		
Tide		Mid-Flood								
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.2	28.2	27.7	27.7	26.0	25.8	27.27	-	-	
Salinity (ppt)	26.3	26.5	27.6	27.7	30.1	30.3	28.08	-	-	
D.O. Saturation (%)	121.4	124.0	105.8	106.0	57.6	55.8	95.11	-	-	
D.O. (mg/L)	8.17	8.35	7.13	7.16	3.95	3.83	6.43	7.70	3.89	
Turbidity (NTU)	0.91	0.51	0.91	0.71	1.61	1.71	1.06	-	-	
SS (mg/L)	23.0	26.0	6.0	5.0	8.0	7.0	12.5	-	-	
Remarks										

Station		Zone A: B1								
Time (hh:mm)		09:16-09:24								
Water Depth (m)		6.90								
Monitoring Depth (m)		1.20			3.70			6.05		
Tide		Mid-Flood								
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.2	28.4	27.2	27.1	26.7	26.8	27.41	-	-	
Salinity (ppt)	24.2	24.8	28.1	28.1	28.8	28.6	27.10	-	-	
D.O. Saturation (%)	116.9	120.2	79.0	91.0	76.1	82.2	94.24	-	-	
D.O. (mg/L)	7.98	8.15	5.35	6.18	5.19	5.60	6.41	6.92	5.40	
Turbidity (NTU)	8.04	3.32	1.11	1.01	1.21	1.41	2.68	-	-	
SS (mg/L)	22.0	22.0	4.0	4.0	8.0	8.0	11.3	-	-	
Remarks										

Station		Zone A: S2								
Time (hh:mm)		08:51-08:58								
Water Depth (m)		9.20								
Monitoring Depth (m)		1.20			4.60			8.20		
Tide		Mid-Flood								
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.2	28.2	27.6	27.6	26.5	26.5	27.44	-	-	
Salinity (ppt)	26.5	26.1	27.4	27.5	29.0	29.1	27.59	-	-	
D.O. Saturation (%)	118.0	118.2	103.9	87.2	77.5	79.7	97.41	-	-	
D.O. (mg/L)	7.94	7.97	7.02	5.90	5.29	5.44	6.59	7.21	5.37	
Turbidity (NTU)	0.41	0.81	0.91	0.71	0.81	0.71	0.73	-	-	
SS (mg/L)	8.0	7.0	7.0	5.0	6.0	6.0	6.5	-	-	
Remarks										

Position	Easting	Northing	Depth	Time	Speed	Direction	Date
R1	835951.56	809050.49	0	100318	0	0	20090727
R1	835925.61	809039.81	0	100829	0.0902	247.6	20090727
R1	835876.12	809047.32	0	101425	0.1406	278.6	20090727
R1	835857.81	809048.91	0	101923	0.0617	275	20090727

Compliance with Action and Limit Level

Parameter	Action Level (baseline data)	Limit Level (baseline data)	Action Level (R1*1.2)	Limit Level (R1*1.3)	S1		S2		S3		B1	
					Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level
DO (Bottom)	6.58	6.42			Y	Y	Y	Y	Y	Y	Y	Y
DO (Depth-averaged)	6.59	6.42			N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	5.17	5.72	6.7	7.3	N	N	N	N	N	N	N	N
SS (Depth-averaged)	7.91	8.96	12.0	13.0	Y	Y	N	N	N	N	Y	Y

Impact Water Quality Monitoring Results During Mid-ebb tide for 28 July 2009

Sampling Date	7/28/2009
Weather	Fine

Station	Zone A: R1									
Time (hh:mm)	17:38-17:45									
Water Depth (m)	22.30									
Monitoring Depth (m)	1.00			11.10			21.35			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.8	28.9	24.5	24.5	23.9	23.8	25.73	-	-	
Salinity (ppt)	25.2	25.1	32.9	32.9	33.9	33.9	30.65	-	-	
D.O. Saturation (%)	184.4	201.3	45.5	46.4	45.5	46.3	94.89	-	-	
D.O. (mg/L)	12.38	13.50	3.14	3.21	3.16	3.22	6.44	8.06	3.19	
Turbidity (NTU)	1.01	1.01	2.82	2.52	9.65	10.05	4.51	-	-	
SS (mg/L)	6.0	6.0	3.0	4.0	14.0	12.0	7.5	-	-	
Remarks										

Station	Zone A: S3									
Time (hh:mm)	17:20-17:26									
Water Depth (m)	10.10									
Monitoring Depth (m)	1.00			5.00			9.05			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	29.9	30.0	27.4	27.4	24.4	24.5	27.25	-	-	
Salinity (ppt)	24.3	24.1	27.6	27.6	33.0	32.7	28.21	-	-	
D.O. Saturation (%)	207.9	207.7	100.4	98.2	53.6	50.8	119.76	-	-	
D.O. (mg/L)	13.77	13.75	6.81	6.67	3.71	3.51	8.04	10.25	3.61	
Turbidity (NTU)	1.01	0.81	1.11	1.01	3.52	3.12	1.76	-	-	
SS (mg/L)	9.0	8.0	4.0	6.0	8.0	6.0	6.8	-	-	
Remarks										

Station	Zone A: S1									
Time (hh:mm)	16:57-17:03									
Water Depth (m)	8.10									
Monitoring Depth (m)	1.05		3.95			6.95				
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	30.0	30.0	28.3	28.3	25.8	25.9	28.05	-	-	
Salinity (ppt)	24.3	24.3	25.5	25.5	30.5	30.2	26.71	-	-	
D.O. Saturation (%)	217.0	216.2	154.9	157.7	56.0	61.7	143.93	-	-	
D.O. (mg/L)	14.35	14.31	10.47	10.66	3.84	4.23	9.64	12.45	4.04	
Turbidity (NTU)	0.91	1.01	0.81	0.91	3.92	3.82	1.90	-	-	
SS (mg/L)	12.0	10.0	5.0	6.0	9.0	11.0	8.8	-	-	
Remarks										

Station	Zone A: B1									
Time (hh:mm)	17:08-17:13									
Water Depth (m)	6.00									
Monitoring Depth (m)	0.95		3.05			5.00				
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	30.3	30.4	29.4	29.4	28.1	28.1	29.28	-	-	
Salinity (ppt)	24.3	24.2	24.6	24.6	26.8	26.8	25.19	-	-	
D.O. Saturation (%)	210.9	209.0	211.1	212.1	131.9	135.5	185.05	-	-	
D.O. (mg/L)	13.88	13.75	14.08	14.14	8.87	9.12	12.31	13.96	9.00	
Turbidity (NTU)	0.81	1.21	1.01	1.41	2.72	2.82	1.66	-	-	
SS (mg/L)	6.0	6.0	7.0	8.0	10.0	8.0	7.5	-	-	
Remarks										

Station	Zone A: S2									
Time (hh:mm)	16:47-16:52									
Water Depth (m)	7.90									
Monitoring Depth (m)	1.05		4.05			6.90				
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	29.7	29.4	28.1	28.1	26.2	26.2	27.96	-	-	
Salinity (ppt)	24.7	24.6	26.0	25.8	29.8	29.8	26.78	-	-	
D.O. Saturation (%)	219.1	218.2	132.1	133.4	78.0	80.6	143.55	-	-	
D.O. (mg/L)	14.52	14.54	8.93	9.02	5.33	5.51	9.64	11.75	5.42	
Turbidity (NTU)	0.91	0.91	1.01	0.81	1.51	0.81	0.99	-	-	
SS (mg/L)	10.0	9.0	10.0	9.0	6.0	4.0	8.0	-	-	
Remarks										

Position	Easting	Northing	Depth	Time	Speed	Direction	Date
R1	835953	809051.99	0	174807	0	0	20090728
R1	836002.22	809040.41	0	175451	0.1252	103.2	20090728
R1	836028.83	809040.54	0	180007	0.0842	89.7	20090728
R1	836049.37	809033.18	0	180445	0.0785	109.7	20090728

0.10 100.87

Compliance with Action and Limit Level

Parameter	Action Level (baseline data)	Limit Level (baseline data)	Action Level (R1*1.2)	Limit Level (R1*1.3)	S1		S2		S3		B1	
					Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level
DO (Bottom)	6.58	6.42			Y	Y	Y	Y	Y	Y	N	N
DO (Depth-averaged)	6.59	6.42			N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	5.17	5.72	5.4	5.9	N	N	N	N	N	N	N	N
SS (Depth-averaged)	7.91	8.96	9.0	9.8	Y	N	Y	N	N	N	N	N

Impact Water Quality Monitoring Results During Mid-flood tide for 28 July 2009

Sampling Date	7/28/2009
Weather	Fine

Station	Zone A: R1									
Time (hh:mm)	12:01-12:09									
Water Depth (m)	22.20									
Monitoring Depth (m)	0.90		11.10			21.05				
Tide	Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.3	28.2	25.8	25.9	23.9	23.9	25.98	-	-	
Salinity (ppt)	25.0	25.0	30.2	30.2	33.9	34.0	29.73	-	-	
D.O. Saturation (%)	141.1	137.4	63.3	62.7	48.2	50.8	83.92	-	-	
D.O. (mg/L)	9.57	9.32	4.34	4.30	3.35	3.53	5.74	6.88	3.44	
Turbidity (NTU)	0.91	0.71	1.11	1.41	9.35	8.65	3.69	-	-	
SS (mg/L)	7.0	8.0	4.0	4.0	16.0	20.0	9.8	-	-	
Remarks										

Station	Zone A: S3									
Time (hh:mm)	11:36-11:42									
Water Depth (m)	11.10									
Monitoring Depth (m)	1.00		5.45			10.05				
Tide	Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.6	28.6	27.8	28.4	27.5	27.5	28.06	-	-	
Salinity (ppt)	25.1	25.0	26.8	26.0	27.4	27.5	26.29	-	-	
D.O. Saturation (%)	173.3	175.2	124.7	150.8	111.9	111.3	141.21	-	-	
D.O. (mg/L)	11.69	11.81	8.44	10.15	7.58	7.54	9.54	10.52	7.56	
Turbidity (NTU)	0.91	1.01	1.01	0.81	0.81	1.21	0.96	-	-	
SS (mg/L)	2.0	5.0	7.0	6.0	4.0	4.0	4.7	-	-	
Remarks										

Station	Zone A: S1									
Time (hh:mm)	11:10-11:17									
Water Depth (m)	9.30									
Monitoring Depth (m)	0.90		4.50			8.10				
Tide	Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.5	28.5	28.3	28.5	26.6	26.6	27.83	-	-	
Salinity (ppt)	24.9	24.9	26.7	26.1	29.1	29.1	26.79	-	-	
D.O. Saturation (%)	166.6	167.6	138.3	142.8	71.0	112.7	133.16	-	-	
D.O. (mg/L)	11.25	11.32	9.29	9.59	4.84	7.69	9.00	10.36	6.27	
Turbidity (NTU)	0.81	0.91	1.21	0.91	1.11	0.91	0.98	-	-	
SS (mg/L)	6.0	5.0	6.0	7.0	3.0	3.0	5.0	-	-	
Remarks										

Station	Zone A: B1									
Time (hh:mm)	11:22-11:29									
Water Depth (m)	6.40									
Monitoring Depth (m)	0.95		3.55			5.55				
Tide	Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.6	28.6	28.5	28.5	28.4	28.2	28.46	-	-	
Salinity (ppt)	24.3	24.2	24.7	24.8	26.1	26.8	25.14	-	-	
D.O. Saturation (%)	178.0	185.9	158.2	150.7	127.8	136.7	156.21	-	-	
D.O. (mg/L)	12.04	12.60	10.70	10.19	8.59	9.18	10.55	11.38	8.89	
Turbidity (NTU)	1.01	1.11	1.11	1.01	3.32	3.22	1.80	-	-	
SS (mg/L)	10.0	9.0	6.0	6.0	7.0	7.0	7.5	-	-	
Remarks										

Station	Zone A: S2									
Time (hh:mm)	10:58-11:04									
Water Depth (m)	9.20									
Monitoring Depth (m)	1.40		4.85			8.30				
Tide	Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.3	28.3	28.0	28.0	27.1	26.4	27.68	-	-	
Salinity (ppt)	25.1	25.2	26.1	26.1	28.7	29.4	26.78	-	-	
D.O. Saturation (%)	137.5	158.4	134.3	127.2	101.3	80.9	123.28	-	-	
D.O. (mg/L)	9.31	10.72	9.09	8.61	6.87	5.53	8.36	9.43	6.20	
Turbidity (NTU)	0.91	0.91	1.11	1.01	1.51	1.41	1.14	-	-	
SS (mg/L)	5.0	6.0	3.0	4.0	7.0	7.0	5.3	-	-	
Remarks										

Position	Easting	Northing	Depth	Time	Speed	Direction	Date
R1	835949.14	809052.08	0	121144	0	0	20090728
R1	835927.33	809121.81	0	121739	0.2058	342.6	20090728
R1	835915.17	809163.51	0	122211	0.1597	343.7	20090728
R1	835885.03	809208.6	0	122732	0.169	326.2	20090728

Compliance with Action and Limit Level

Parameter	Action Level (baseline data)	Limit Level (baseline data)	Action Level (R1*1.2)	Limit Level (R1*1.3)	S1		S2		S3		B1	
					Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level
DO (Bottom)	6.58	6.42			Y	Y	Y	Y	N	N	N	N
DO (Depth-averaged)	6.59	6.42			N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	5.17	5.72	4.4	4.8	N	N	N	N	N	N	N	N
SS (Depth-averaged)	7.91	8.96	11.8	12.8	N	N	N	N	N	N	N	N

Impact Water Quality Monitoring Results During Mid-ebb tide for 29 July 2009

Sampling Date	7/29/2009
Weather	Fine

Station										Zone A: R1									
Time (hh:mm)										18:38-18:45									
Water Depth (m)										22.10									
Monitoring Depth (m)										1.00		11.00		21.10					
Tide										Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom										
Water Temperature (°C)	30.0	30.0	24.4	24.4	23.9	23.9	26.09	-	-										
Salinity (ppt)	23.3	23.0	33.2	33.3	33.9	33.9	30.09	-	-										
D.O. Saturation (%)	183.5	176.6	38.9	38.9	40.3	41.1	86.55	-	-										
D.O. (mg/L)	12.21	11.76	2.69	2.69	2.80	2.86	5.84	7.34	2.83										
Turbidity (NTU)	1.01	1.11	1.51	1.51	6.03	10.26	3.57	-	-										
SS (mg/L)	10.0	8.0	5.0	6.0	10.0	8.0	7.8	-	-										
Remarks																			

Station										Zone A: S3									
Time (hh:mm)										18:19-18:25									
Water Depth (m)										10.10									
Monitoring Depth (m)										1.00		4.95		9.00					
Tide										Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom										
Water Temperature (°C)	30.5	30.5	28.0	27.8	24.7	24.7	27.71	-	-										
Salinity (ppt)	22.7	22.7	26.5	26.6	32.4	32.4	27.22	-	-										
D.O. Saturation (%)	200.3	200.4	119.2	110.7	51.7	47.0	121.54	-	-										
D.O. (mg/L)	13.25	13.26	8.05	7.49	3.57	3.25	8.15	10.51	3.41										
Turbidity (NTU)	1.01	1.21	1.21	1.11	2.42	2.72	1.61	-	-										
SS (mg/L)	9.0	8.0	6.0	7.0	6.0	6.0	7.0	-	-										
Remarks																			

Station										Zone A: S1									
Time (hh:mm)										17:51-17:58									
Water Depth (m)										8.20									
Monitoring Depth (m)										1.25		4.05		7.15					
Tide										Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom										
Water Temperature (°C)	30.9	30.8	29.1	29.3	25.7	25.9	28.61	-	-										
Salinity (ppt)	22.6	22.6	25.0	24.8	30.5	30.2	25.95	-	-										
D.O. Saturation (%)	197.4	197.3	161.1	171.3	51.8	54.9	138.96	-	-										
D.O. (mg/L)	12.98	13.00	10.78	11.44	3.56	3.76	9.25	12.05	3.66										
Turbidity (NTU)	0.91	1.01	1.61	1.31	2.11	1.81	1.46	-	-										
SS (mg/L)	7.0	6.0	8.0	6.0	7.0	7.0	6.8	-	-										
Remarks																			

Station										Zone A: B1									
Time (hh:mm)										18:05-18:11									
Water Depth (m)										6.00									
Monitoring Depth (m)										1.10		3.05		5.00					
Tide										Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom										
Water Temperature (°C)	30.9	31.0	30.4	30.9	29.2	29.1	30.25	-	-										
Salinity (ppt)	22.9	22.8	23.6	22.9	25.1	25.2	23.75	-	-										
D.O. Saturation (%)	204.0	206.0	184.6	203.9	171.7	162.2	188.72	-	-										
D.O. (mg/L)	13.39	13.51	12.17	13.39	11.45	10.85	12.46	13.12	11.15										
Turbidity (NTU)	1.11	1.21	2.01	1.01	2.92	1.51	1.63	-	-										
SS (mg/L)	7.0	6.0	10.0	10.0	11.0	10.0	9.0	-	-										
Remarks																			

Station										Zone A: S2									
Time (hh:mm)										17:39-17:46									
Water Depth (m)										8.40									
Monitoring Depth (m)										1.35		4.25		7.30					
Tide										Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom										
Water Temperature (°C)	30.7	30.6	28.8	28.8	26.2	26.2	28.55	-	-										
Salinity (ppt)	22.6	22.9	25.0	25.0	29.5	29.5	25.75	-	-										
D.O. Saturation (%)	193.5	193.1	156.7	168.4	71.4	69.7	142.12	-	-										
D.O. (mg/L)	12.78	12.75	10.53	11.32	4.88	4.77	9.51	11.85	4.83										
Turbidity (NTU)	0.81	0.91	0.91	0.91	3.22	2.62	1.56	-	-										
SS (mg/L)	7.0	5.0	8.0	6.0	5.0	7.0	6.3	-	-										
Remarks																			

Position	Easting	Northing	Depth	Time	Speed	Direction	Date
R1	835959.74	809058.69	0	184656	0.0145	161.3	20090729
R1	835939.07	809086.7	0	185124	0.1299	323.6	20090729
R1	835925.03	809092.31	0	185545	0.0579	291.8	20090729
R1	835896.59	809107.47	0	190044	0.1078	298.1	20090729

Compliance with Action and Limit Level

Parameter	Action Level (baseline data)	Limit Level (baseline data)	Action Level (R1*1.2)	Limit Level (R1*1.3)	S1		S2		S3		B1	
					Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level
DO (Bottom)	6.58	6.42			Y	Y	Y	Y	Y	Y	N	N
DO (Depth-averaged)	6.59	6.42			N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	5.17	5.72	4.3	4.6	N	N	N	N	N	N	N	N
SS (Depth-averaged)	7.91	8.96	9.4	10.2	N	N	N	N	N	N	Y	Y

Impact Water Quality Monitoring Results During Mid-flood tide for 29 July 2009

Sampling Date	7/29/2009
Weather	Fine

Station	Zone A: R1									
Time (hh:mm)	12:19-12:28									
Water Depth (m)	21.60									
Monitoring Depth (m)	1.20		11.25				20.85			
Tide	Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	29.7	29.9	25.0	25.0	23.9	23.9	26.21	-	-	
Salinity (ppt)	22.6	22.2	31.9	32.0	33.9	33.9	29.43	-	-	
D.O. Saturation (%)	179.4	161.5	44.7	46.1	40.0	41.3	85.50	-	-	
D.O. (mg/L)	12.04	10.83	3.08	3.18	2.78	2.87	5.80	7.28	2.83	
Turbidity (NTU)	1.01	0.91	2.52	1.61	9.35	9.55	4.16	-	-	
SS (mg/L)	8.0	8.0	4.0	5.0	15.0	12.0	8.7	-	-	
Remarks										

Station	Zone A: S3									
Time (hh:mm)	11:58-12:04									
Water Depth (m)	11.30									
Monitoring Depth (m)	1.25		5.55				10.20			
Tide	Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	29.2	29.2	27.6	27.8	25.6	25.7	27.53	-	-	
Salinity (ppt)	24.5	24.5	26.9	26.6	30.7	30.5	27.28	-	-	
D.O. Saturation (%)	168.4	169.5	102.4	107.8	48.5	51.6	108.02	-	-	
D.O. (mg/L)	11.28	11.34	6.94	7.30	3.33	3.54	7.29	9.22	3.44	
Turbidity (NTU)	1.11	1.01	0.81	0.91	1.31	0.91	1.01	-	-	
SS (mg/L)	7.0	8.0	4.0	6.0	5.0	4.0	5.7	-	-	
Remarks										

Station	Zone A: S1									
Time (hh:mm)	11:32-11:38									
Water Depth (m)	9.20									
Monitoring Depth (m)	1.25		4.65				8.10			
Tide	Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	29.9	29.8	28.4	28.4	26.5	26.5	28.24	-	-	
Salinity (ppt)	24.3	24.4	25.8	25.8	29.2	29.2	26.46	-	-	
D.O. Saturation (%)	182.4	178.9	132.5	136.5	56.0	55.1	123.56	-	-	
D.O. (mg/L)	12.08	11.86	8.93	9.19	3.82	3.76	8.27	10.52	3.79	
Turbidity (NTU)	0.21	0.41	1.21	0.91	2.42	2.52	1.28	-	-	
SS (mg/L)	4.0	6.0	8.0	7.0	8.0	8.0	6.8	-	-	
Remarks										

Station	Zone A: B1									
Time (hh:mm)	11:44-11:50									
Water Depth (m)	6.60									
Monitoring Depth (m)	1.15		3.65				5.85			
Tide	Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	29.9	29.9	29.5	29.1	28.1	28.0	29.07	-	-	
Salinity (ppt)	24.4	24.5	24.5	25.0	26.6	26.8	25.32	-	-	
D.O. Saturation (%)	167.1	176.8	168.4	152.6	115.4	108.1	148.06	-	-	
D.O. (mg/L)	11.07	11.70	11.22	10.20	7.78	7.29	9.88	11.05	7.54	
Turbidity (NTU)	0.81	0.61	0.81	0.91	1.61	1.91	1.11	-	-	
SS (mg/L)	7.0	7.0	7.0	10.0	7.0	6.0	7.3	-	-	
Remarks										

Station	Zone A: S2									
Time (hh:mm)	11:22-11:28									
Water Depth (m)	9.30									
Monitoring Depth (m)	1.10		4.65				8.15			
Tide	Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	28.9	29.0	27.8	27.8	26.8	26.9	27.85	-	-	
Salinity (ppt)	25.0	25.0	26.7	26.6	28.5	28.2	26.68	-	-	
D.O. Saturation (%)	158.0	162.2	110.4	106.6	64.1	75.6	112.82	-	-	
D.O. (mg/L)	10.60	10.87	7.48	7.22	4.37	5.15	7.62	9.04	4.76	
Turbidity (NTU)	0.71	0.71	0.81	0.71	0.81	0.61	0.73	-	-	
SS (mg/L)	6.0	6.0	6.0	5.0	4.0	4.0	5.2	-	-	
Remarks										

Position	Easting	Northing	Depth	Time	Speed	Direction	Date
R1	835955.48	809049.81	0	123106	0	0	20090729
R1	835926.61	809158.7	0	123658	0.32	345.2	20090729
R1	835894.84	809248.28	0	124215	0.2998	340.5	20090729
R1	835859.72	809354.24	0	124753	0.3303	341.7	20090729

Compliance with Action and Limit Level

Parameter	Action Level (baseline data)	Limit Level (baseline data)	Action Level (R1*1.2)	Limit Level (R1*1.3)	S1		S2		S3		B1	
					Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level
DO (Bottom)	6.58	6.42			Y	Y	Y	Y	Y	Y	N	N
DO (Depth-averaged)	6.59	6.42			N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	5.17	5.72	5.0	5.4	N	N	N	N	N	N	N	N
SS (Depth-averaged)	7.91	8.96	10.4	11.3	N	N	N	N	N	N	N	N

Impact Water Quality Monitoring Results During Mid-flood tide for 30 July 2009

Sampling Date	7/30/2009
Weather	Fine

Station										Zone A: R1									
Time (hh:mm)										15:37-15:44									
Water Depth (m)										22.50									
Monitoring Depth (m)										0.90		11.10		21.35					
Tide										Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom										
Water Temperature (°C)	29.7	29.6	24.8	24.8	23.9	23.9	26.08	-	-										
Salinity (ppt)	24.1	24.1	32.4	32.4	33.8	33.8	30.10	-	-										
D.O. Saturation (%)	158.5	152.8	44.6	44.8	42.1	42.6	80.89	-	-										
D.O. (mg/L)	10.55	10.18	3.08	3.09	2.93	2.96	5.47	6.73	2.95										
Turbidity (NTU)	0.71	0.71	1.21	1.21	10.15	8.55	3.76	-	-										
SS (mg/L)	8.0	8.0	4.0	5.0	14.0	16.0	9.2	-	-										
Remarks																			

Station										Zone A: S3									
Time (hh:mm)										15:18-15:24									
Water Depth (m)										10.80									
Monitoring Depth (m)										1.10		5.50		10.00					
Tide										Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom										
Water Temperature (°C)	29.7	29.9	29.2	29.2	25.2	24.9	28.00	-	-										
Salinity (ppt)	23.8	23.7	24.3	24.7	31.4	32.1	26.66	-	-										
D.O. Saturation (%)	171.4	179.1	147.9	146.2	51.4	50.7	124.45	-	-										
D.O. (mg/L)	11.43	11.91	9.91	9.78	3.54	3.50	8.35	10.76	3.52										
Turbidity (NTU)	0.71	0.91	0.41	1.01	2.22	3.02	1.38	-	-										
SS (mg/L)	4.0	6.0	6.0	4.0	9.0	7.0	6.0	-	-										
Remarks																			

Station										Zone A: S1									
Time (hh:mm)										14:52-14:58									
Water Depth (m)										9.00									
Monitoring Depth (m)										1.00		4.50		8.00					
Tide										Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom										
Water Temperature (°C)	30.9	30.9	29.3	29.3	26.9	26.7	29.01	-	-										
Salinity (ppt)	22.7	22.7	24.5	24.4	28.3	28.6	25.20	-	-										
D.O. Saturation (%)	175.9	180.8	152.3	150.5	67.7	70.2	132.89	-	-										
D.O. (mg/L)	11.57	11.89	10.18	10.06	4.61	4.79	8.85	10.93	4.70										
Turbidity (NTU)	0.51	0.51	0.91	0.71	2.82	1.11	1.10	-	-										
SS (mg/L)	5.0	6.0	4.0	5.0	9.0	7.0	6.0	-	-										
Remarks																			

Station										Zone A: B1									
Time (hh:mm)										15:04-15:11									
Water Depth (m)										6.90									
Monitoring Depth (m)										1.00		3.50		5.90					
Tide										Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom										
Water Temperature (°C)	30.6	30.1	29.6	29.7	27.8	27.9	29.27	-	-										
Salinity (ppt)	23.2	23.5	24.1	24.2	26.8	26.7	24.75	-	-										
D.O. Saturation (%)	185.4	179.2	158.8	159.7	97.1	105.3	147.57	-	-										
D.O. (mg/L)	12.21	11.89	10.59	10.62	6.57	7.12	9.83	11.33	6.85										
Turbidity (NTU)	1.11	1.01	1.01	1.71	3.02	3.02	1.81	-	-										
SS (mg/L)	5.0	5.0	9.0	8.0	11.0	12.0	8.3	-	-										
Remarks																			

Station										Zone A: S2									
Time (hh:mm)										14:40-14:46									
Water Depth (m)										9.10									
Monitoring Depth (m)										0.85		4.60		8.05					
Tide										Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom										
Water Temperature (°C)	31.0	31.0	29.3	29.1	26.5	26.6	28.93	-	-										
Salinity (ppt)	22.4	22.5	24.1	24.4	29.0	28.9	25.20	-	-										
D.O. Saturation (%)	168.0	173.9	146.3	143.0	62.6	68.4	127.01	-	-										
D.O. (mg/L)	11.05	11.43	9.80	9.59	4.27	4.66	8.47	10.47	4.47										
Turbidity (NTU)	0.61	0.51	0.71	0.61	2.11	1.31	0.98	-	-										
SS (mg/L)	7.0	6.0	5.0	5.0	6.0	6.0	5.8	-	-										
Remarks																			

Position	Easting	Northing	Depth	Time	Speed	Direction	Date
R1	835952.62	809048.74	0	154815	0	0	20090730
R1	835923.28	809043.17	0	155410	0.0841	259.3	20090730
R1	835897.62	809038.87	0	155858	0.0903	260.5	20090730
R1	835864.3	809032.7	0	160406	0.11	259.5	20090730

Compliance with Action and Limit Level

Parameter	Action Level (baseline data)	Limit Level (baseline data)	Action Level (R1*1.2)	Limit Level (R1*1.3)	S1		S2		S3		B1	
					Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level
DO (Bottom)	6.58	6.42			Y	Y	Y	Y	Y	Y	N	N
DO (Depth-averaged)	6.59	6.42			N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	5.17	5.72	4.5	4.9	N	N	N	N	N	N	N	N
SS (Depth-averaged)	7.91	8.96	11.0	11.9	N	N	N	N	N	N	Y	N