

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 28 May 2009 for Zones A.



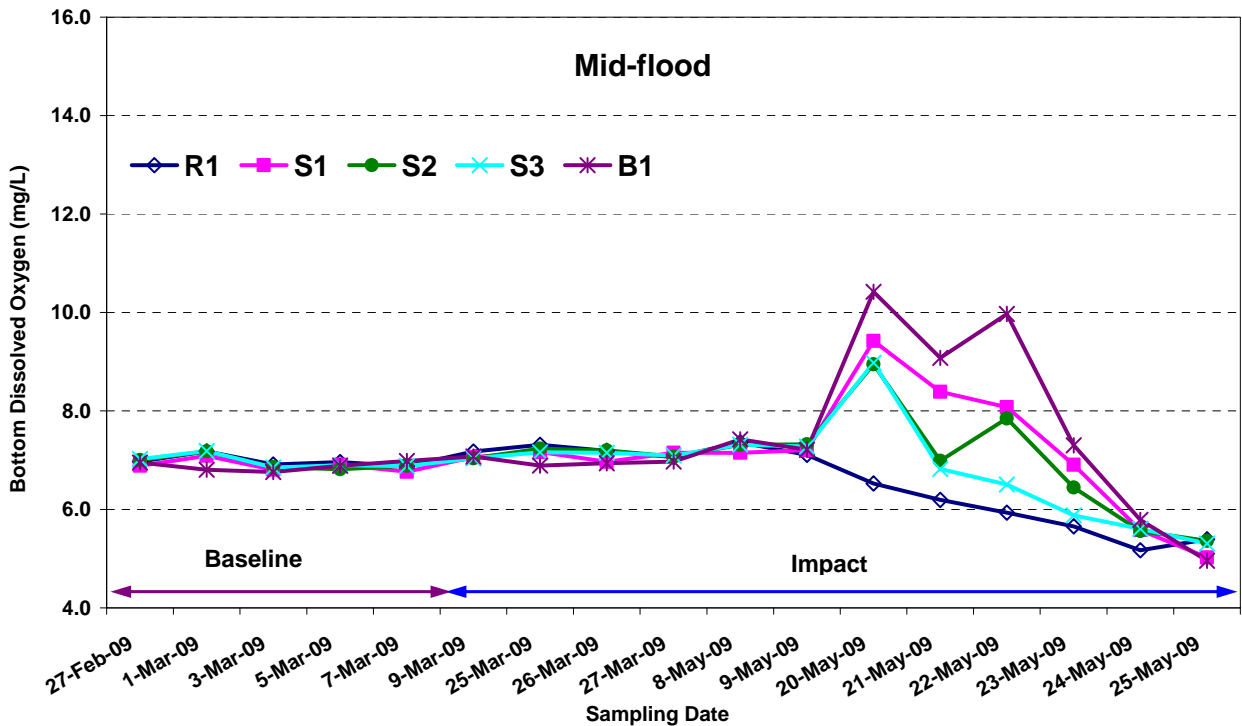
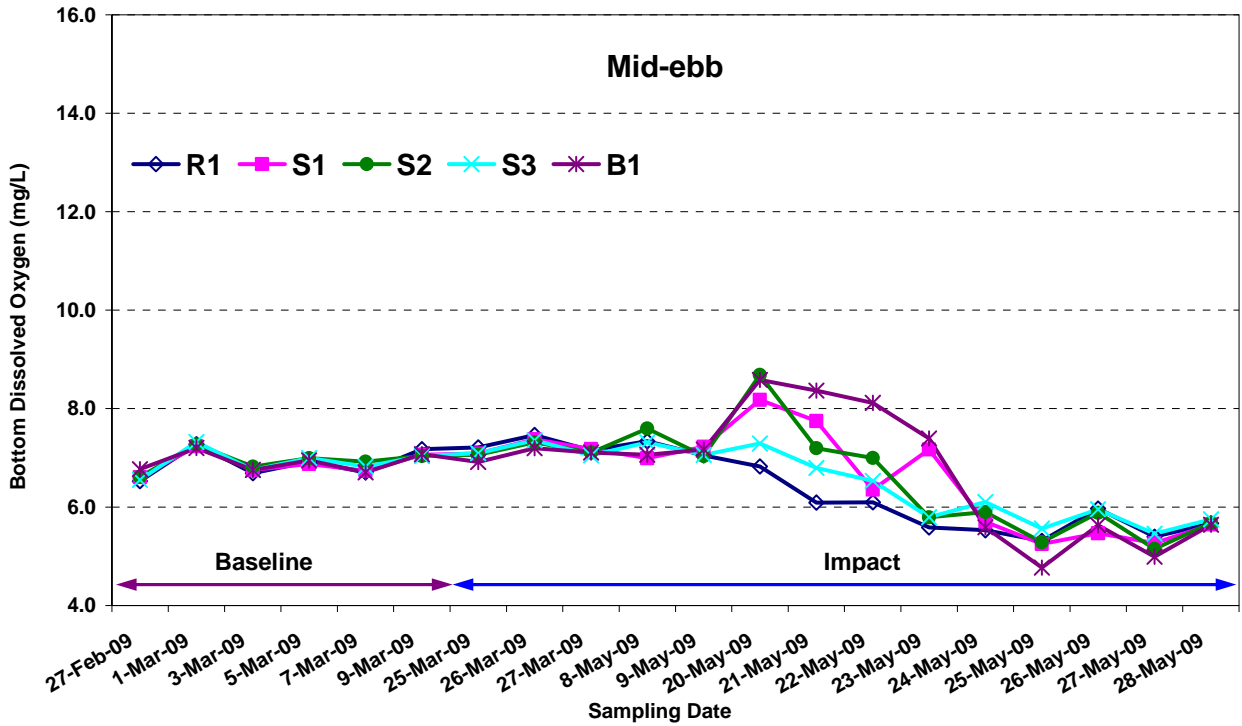


Figure C2 Dissolved Oxygen (mg/L) near the bottom of the water column measured during the monitoring period from 27 February to 28 May 2009 for Zones A.



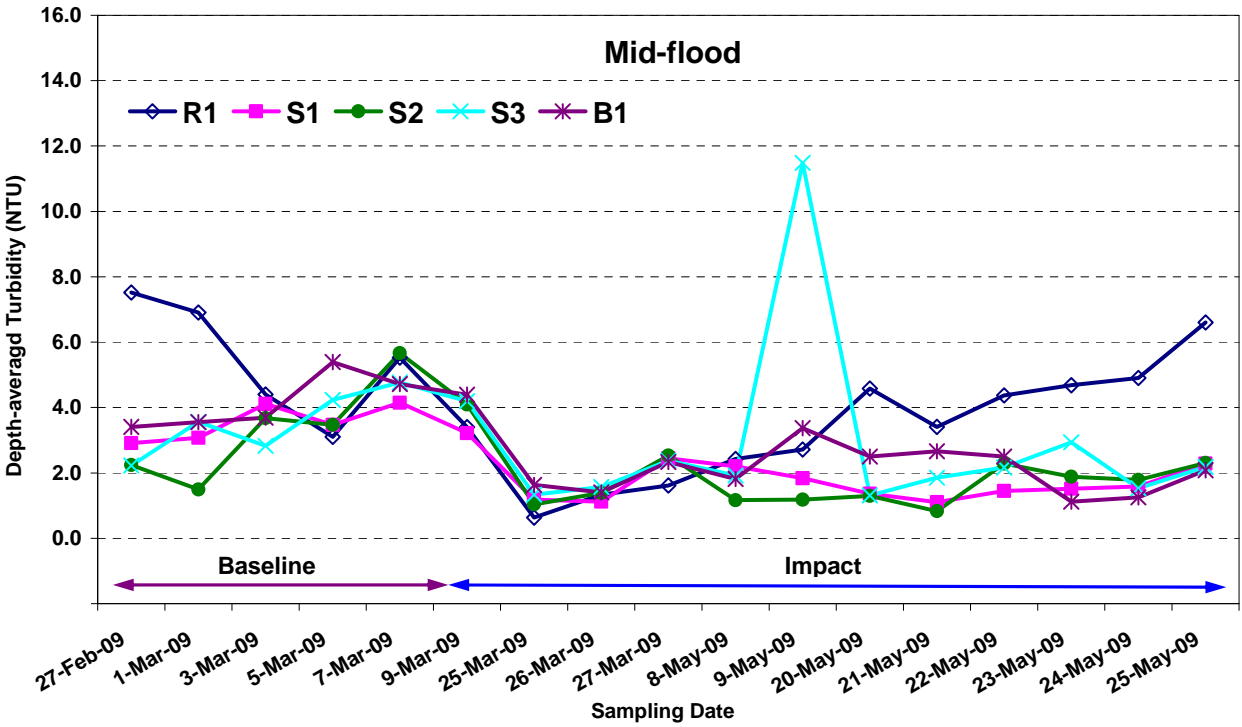
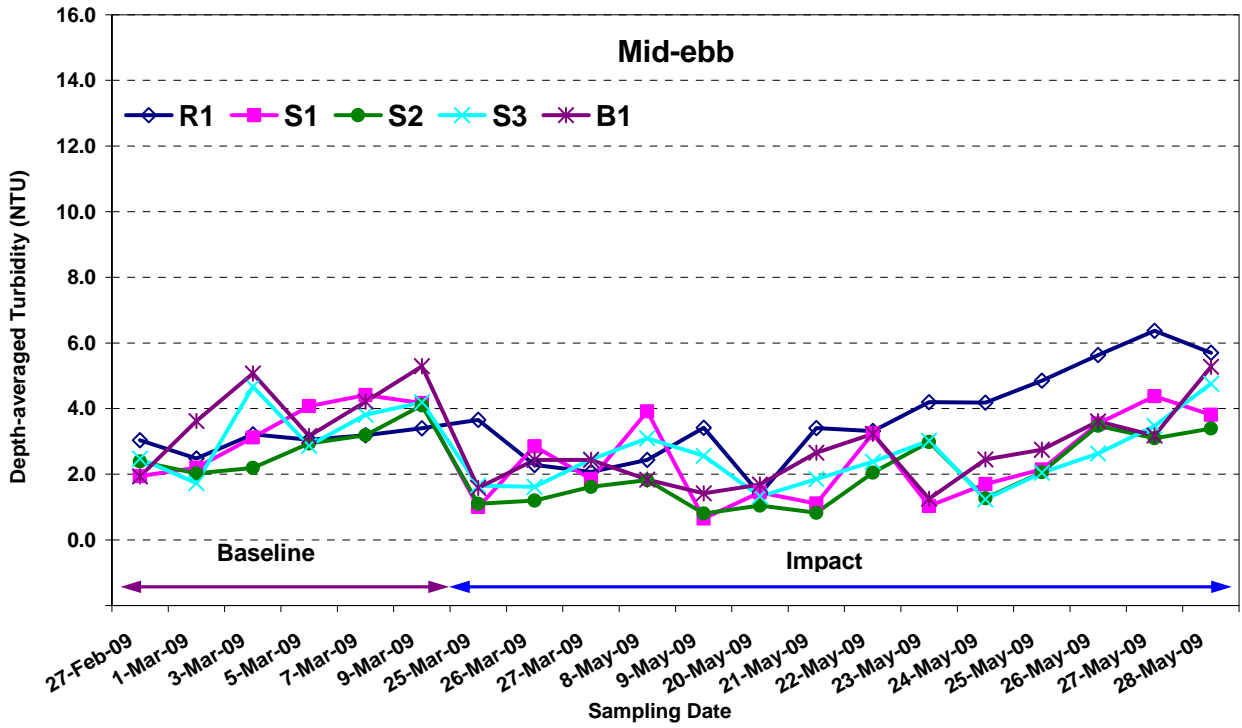


Figure C3 Depth-averaged turbidity (NTU) of water samples measured during the monitoring period from 27 February to 28 May 2009 for Zones A.



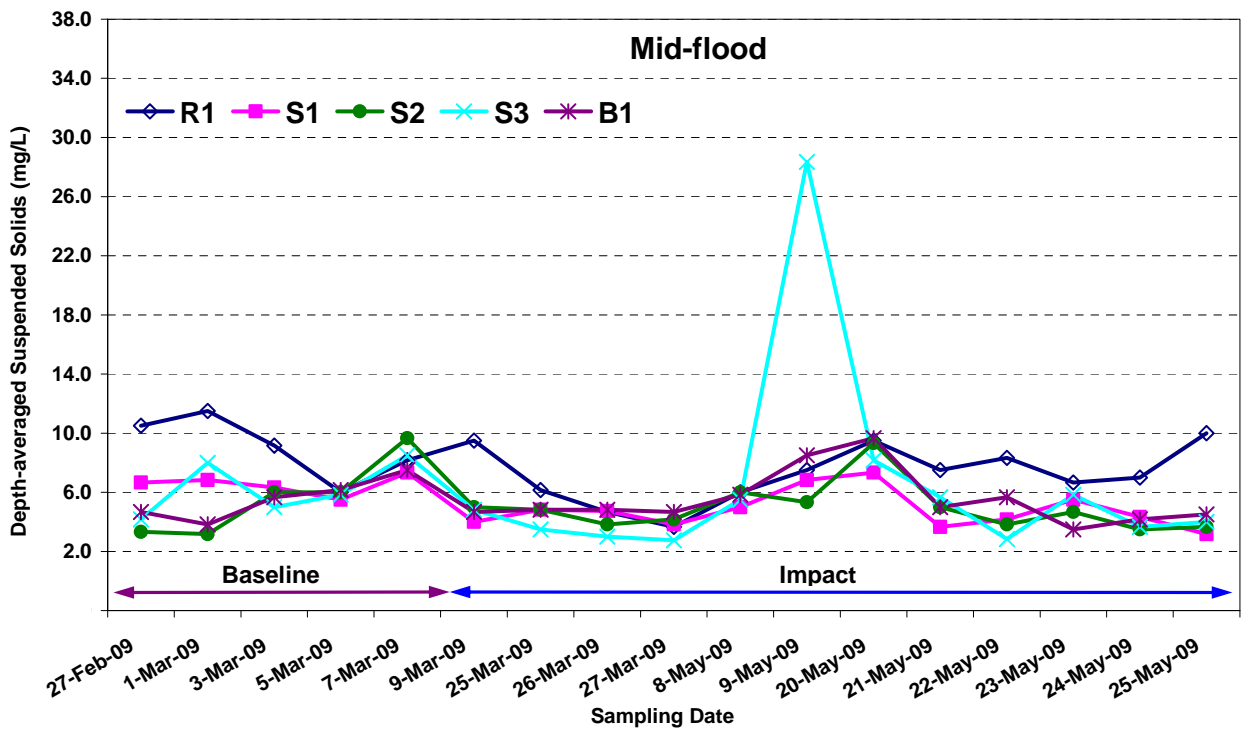
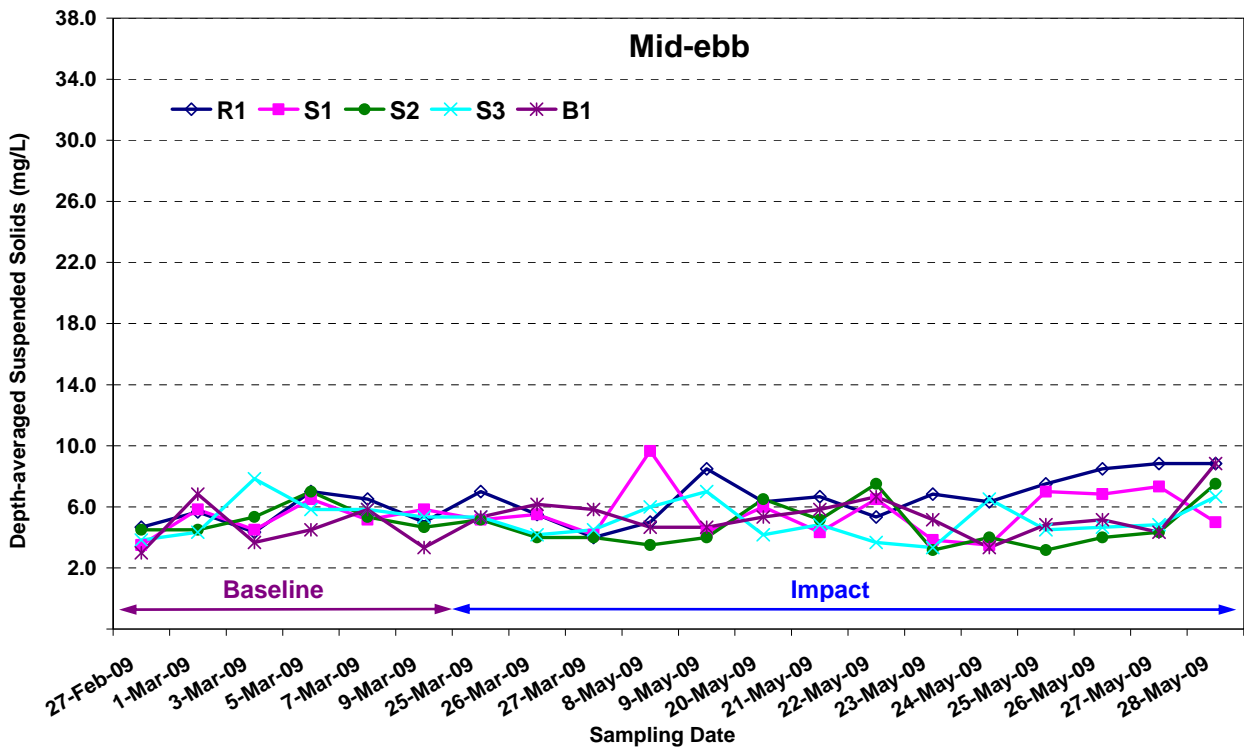


Figure C4 Depth-averaged Suspended Solids (mg/L) of water samples measured during the monitoring period from 27 February to 28 May 2009 for Zones A.



**Annex C1 Impact Water Quality Monitoring Results During Mid-ebb tide for 22 May 2009**

Sampling Date	5/22/2009
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Station	Zone A: R1										
Time (hh:mm)	11:05-11:10										
Water Depth (m)	20.80										
Monitoring Depth (m)	1.20			10.15			19.80				
Tide	Mid-Ebb										
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom		
Water Temperature (°C)	26.57	26.57	24.14	24.32	23.58	23.57	24.79	-	-		
Salinity (ppt)	28.77	28.79	33.58	33.42	34	34	32.09	-	-		
D.O. Saturation (%)	133.9	134.8	87.7	91.7	87.3	87.2	103.77	-	-		
D.O. (mg/L)	9.15	9.21	6.08	6.34	6.1	6.09	7.16	7.70	6.10		
Turbidity (NTU)	1.4	1.4	3.2	2.7	5.9	5.3	3.32	-	-		
SS (mg/L)	2.00	4.00	4.00	5.00	8.00	9.00	5.33	-	-		
Remarks											

Station	Zone A: S3										
Time (hh:mm)	10:46-10:51										
Water Depth (m)	11.90										
Monitoring Depth (m)	1.25			6.00			10.90				
Tide	Mid-Ebb										
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom		
Water Temperature (°C)	26.75	27.04	24.48	24.95	24.18	24.18	25.26	-	-		
Salinity (ppt)	29.09	28.78	33.27	32.68	33.73	33.72	31.88	-	-		
D.O. Saturation (%)	148	144.8	92.5	102.2	91.4	97.4	112.72	-	-		
D.O. (mg/L)	10.06	9.81	6.38	7.02	6.32	6.74	7.72	8.32	6.53		
Turbidity (NTU)	1.4	1.3	2.7	2.6	3.1	3.2	2.38	-	-		
SS (mg/L)	3.00	2.00	2.00	4.00	6.00	5.00	3.67	-	-		
Remarks											

Station	Zone A: S1										
Time (hh:mm)	10:10-10:15										
Water Depth (m)	9.05										
Monitoring Depth (m)	1.20			4.50			8.05				
Tide	Mid-Ebb										
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom		
Water Temperature (°C)	27.17	27.27	26.13	26.57	24.24	24.32	25.95	-	-		
Salinity (ppt)	29	28.95	30.7	29.95	33.7	33.65	30.99	-	-		
D.O. Saturation (%)	162	161.6	127.7	139.5	90.9	93.1	129.13	-	-		
D.O. (mg/L)	10.94	10.9	8.7	9.47	6.28	6.43	8.79	10.00	6.36		
Turbidity (NTU)	1.4	1.4	1.5	1.8	6.6	6.8	3.25	-	-		
SS (mg/L)	2.00	4.00	6.00	4.00	12.00	11.00	6.50	-	-		
Remarks											

Station	Zone A: B1										
Time (hh:mm)	10:22-10:27										
Water Depth (m)	5.95										
Monitoring Depth (m)	1.30			3.10			4.80				
Tide	Mid-Ebb										
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom		
Water Temperature (°C)	27.45	27.39	26.91	26.93	25.95	25.92	26.76	-	-		
Salinity (ppt)	28.96	29.04	29.59	29.59	31.58	31.59	30.06	-	-		
D.O. Saturation (%)	159.8	165.8	141.1	155.2	117.8	121	143.45	-	-		
D.O. (mg/L)	10.75	11.15	9.54	10.49	8.01	8.22	9.69	10.48	8.12		
Turbidity (NTU)	1.8	2	3.3	2.6	4.6	5.1	3.23	-	-		
SS (mg/L)	4.00	4.00	6.00	7.00	10.00	9.00	6.67	-	-		
Remarks											

Station	Zone A: S2										
Time (hh:mm)	9:58-10:05										
Water Depth (m)	9.70										
Monitoring Depth (m)	1.20			4.90			8.70				
Tide	Mid-Ebb										
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom		
Water Temperature (°C)	27.3	27.29	26.33	26.44	24.65	24.62	26.11	-	-		
Salinity (ppt)	28.78	28.79	30.31	30.19	33.26	33.25	30.76	-	-		
D.O. Saturation (%)	163	163.8	133.4	138.3	100.6	102.6	133.62	-	-		
D.O. (mg/L)	11	11.06	9.07	9.39	6.92	7.07	9.09	10.13	7.00		
Turbidity (NTU)	1.5	1.2	2.1	1.8	3.2	2.5	2.05	-	-		
SS (mg/L)	2.00	2.00	9.00	8.00	12.00	12.00	7.50	-	-		
Remarks											

Deep Water Bay Flow Tracking Data							
Position	Easting	Northing	Depth	Time	Speed	Direction	Date
R1	835949.65	809054.81	0	111332	0	0	20090522
R1	836087.86	809002.08	0	111859	0.4524	110.9	20090522
R1	836244.4	808956.38	0	112526	0.4214	106.3	20090522
R1	836389.93	808905.78	0	113134	0.4187	109.2	20090522
					0.43	108.80	

**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	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	4.0	4.3	N	N	N	N	N	N	N	N
SS (Depth-averaged)	7.91	8.96	6.4	6.9	Y	N	Y	Y	N	N	Y	N

**Annex C2 Impact Water Quality Monitoring Results During Mid-flood tide for 22 May 2009**

Sampling Date	5/22/2009
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Station	Zone A: R1										
Time (hh:mm)	17:27-17:36										
Water Depth (m)	19.00										
Monitoring Depth (m)	1.15			10.45			19.00				
Tide	Mid-Flood										
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom		
Water Temperature (°C)	27.67	27.64	26.17	25.77	24.36	24.18	25.97	-	-		
Salinity (ppt)	27.74	27.74	31.26	32.03	33.8	33.93	31.08	-	-		
D.O. Saturation (%)	145.2	145.9	124.3	112.9	88.1	83.9	116.72	-	-		
D.O. (mg/L)	9.8	9.84	8.43	7.68	6.07	5.8	7.94	8.94	5.94		
Turbidity (NTU)	1	1	1.6	1.6	9.2	11.8	4.37	-	-		
SS (mg/L)	3.00	2.00	2.00	3.00	23.00	17.00	8.33	-	-		
Remarks											

Station	Zone A: S3										
Time (hh:mm)	16:58-17:04										
Water Depth (m)	11.95										
Monitoring Depth (m)	1.30			5.90			10.85				
Tide	Mid-Flood										
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom		
Water Temperature (°C)	27.56	27.58	27.31	27.46	25.16	25.25	26.72	-	-		
Salinity (ppt)	29.32	29.28	29.58	29.41	33.14	33.08	30.64	-	-		
D.O. Saturation (%)	171.7	172.2	159.2	164.9	95.4	95.3	143.12	-	-		
D.O. (mg/L)	11.5	11.53	10.69	11.06	6.51	6.5	9.63	11.20	6.51		
Turbidity (NTU)	1.6	1.6	2	1.5	2.8	3.5	2.17	-	-		
SS (mg/L)	3.00	3.00	2.00	3.00	3.00	3.00	2.83	-	-		
Remarks											

Station	Zone A: S1										
Time (hh:mm)	16:23-16:30										
Water Depth (m)	8.00										
Monitoring Depth (m)	1.20			4.10			7.00				
Tide	Mid-Flood										
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom		
Water Temperature (°C)	28.09	28.04	27.13	27.09	26.24	26.31	27.15	-	-		
Salinity (ppt)	28.87	28.9	29.91	29.95	31.84	31.72	30.20	-	-		
D.O. Saturation (%)	174.1	172.7	166.2	164.3	115.6	123.6	152.75	-	-		
D.O. (mg/L)	11.59	11.51	11.18	11.05	7.81	8.34	10.25	11.33	8.08		
Turbidity (NTU)	1.2	1.2	1.5	1.4	1.8	1.6	1.45	-	-		
SS (mg/L)	3.00	5.00	4.00	4.00	4.00	5.00	4.17	-	-		
Remarks											

Station	Zone A: B1										
Time (hh:mm)	16:41-16:46										
Water Depth (m)	6.00										
Monitoring Depth (m)	1.10			3.05			5.00				
Tide	Mid-Flood										
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom		
Water Temperature (°C)	27.9	28.02	27.66	27.49	27.24	27.02	27.56	-	-		
Salinity (ppt)	29.12	29.02	29.21	29.61	29.92	30.35	29.54	-	-		
D.O. Saturation (%)	186.3	178.8	183.1	173.2	156.2	140.8	169.73	-	-		
D.O. (mg/L)	12.42	11.91	12.24	11.59	10.48	9.46	11.35	12.04	9.97		
Turbidity (NTU)	1.6	1.4	2.3	2.3	2.5	4.9	2.50	-	-		
SS (mg/L)	4.00	4.00	5.00	6.00	7.00	8.00	5.67	-	-		
Remarks											

Station	Zone A: S2										
Time (hh:mm)	16:09-16:15										
Water Depth (m)	9.05										
Monitoring Depth (m)	1.20			4.22			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	28.05	26.48	26.71	25.84	26.02	26.85	-	-		
Salinity (ppt)	28.97	28.98	31.01	30.62	32.04	31.69	30.55	-	-		
D.O. Saturation (%)	171.2	173.3	126.6	140.6	114.8	116.7	140.53	-	-		
D.O. (mg/L)	11.4	11.54	8.55	9.48	7.79	7.91	9.45	10.24	7.85		
Turbidity (NTU)	1.2	1.3	2.7	2.6	3.5	2.4	2.28	-	-		
SS (mg/L)	3.00	4.00	4.00	4.00	3.00	5.00	3.83	-	-		
Remarks											

**Deep Water Bay  
Flow Tracking Data**

Position	Easting	Northing	Depth	Time	Speed	Direction	Date
R1	835951.39	809053.43	0	173934	0	0	20090522
R1	835949.71	809140.68	0	174542	0.2371	358.9	20090522
R1	835943.81	809192.36	0	175038	0.1757	353.5	20090522
R1	835940.77	809246.25	0	175602	0.1666	356.8	20090522
					0.19	356.40	

**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			N	N	N	N	Y	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	5.2	5.7	N	N	N	N	N	N	N	N
SS (Depth-averaged)	7.91	8.96	10.0	10.8	N	N	N	N	N	N	N	N

**Annex C3 Impact Water Quality Monitoring Results During Mid-ebb tide for 23 May 2009**

Sampling Date	5/23/2009
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Station	Zone A: R1								
Time (hh:mm)	11:56-12:06								
Water Depth (m)	20.90								
Monitoring Depth (m)	0.95		10.70		19.90				
Tide	Mid-Ebb								
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom
Water Temperature (°C)	26.23	26.21	25.52	25.34	24.04	24.05	25.23	-	-
Salinity (ppt)	30.57	30.54	31.88	32.3	33.87	33.84	32.17	-	-
D.O. Saturation (%)	104.7	105.6	93.9	92.5	79.6	81.6	92.98	-	-
D.O. (mg/L)	7.12	7.19	6.41	6.32	5.51	5.66	6.37	6.76	5.59
Turbidity (NTU)	1.4	1	2	2.4	7.5	10.9	4.20	-	-
SS (mg/L)	9.00	6.00	3.00	5.00	10.00	8.00	6.83	-	-
Remarks									

Station	Zone A: S3								
Time (hh:mm)	11:13-11:20								
Water Depth (m)	11.80								
Monitoring Depth (m)	0.90		6.00		10.80				
Tide	Mid-Ebb								
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom
Water Temperature (°C)	26.43	26.39	26.17	26.26	24.46	24.46	25.70	-	-
Salinity (ppt)	30.32	30.38	30.93	30.69	33.62	33.61	31.59	-	-
D.O. Saturation (%)	113	112.4	107	108.5	83.8	84.3	101.50	-	-
D.O. (mg/L)	7.67	7.63	7.27	7.37	5.77	5.81	6.92	7.49	5.79
Turbidity (NTU)	0.9	0.8	1.1	1	7.3	7	3.02	-	-
SS (mg/L)	4.00	3.00	2.00	4.00	4.00	3.00	3.33	-	-
Remarks									

Station	Zone A: S1								
Time (hh:mm)	10:33-10:39								
Water Depth (m)	8.90								
Monitoring Depth (m)	1.15		4.55		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)	27.06	27.11	26.02	26.06	25.96	25.95	26.36	-	-
Salinity (ppt)	29.39	29.21	31.22	31.2	31.4	31.44	30.64	-	-
D.O. Saturation (%)	125.5	122.8	106.7	108.4	104.9	105.8	112.35	-	-
D.O. (mg/L)	8.47	8.3	7.26	7.37	7.14	7.2	7.62	7.85	7.17
Turbidity (NTU)	1.1	0.8	1	0.9	1.2	1.2	1.03	-	-
SS (mg/L)	2.00	3.00	5.00	5.00	4.00	4.00	3.83	-	-
Remarks									

Station	Zone A: B1								
Time (hh:mm)	10:49-10:55								
Water Depth (m)	6.85								
Monitoring Depth (m)	1.40		3.65		5.85				
Tide	Mid-Ebb								
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom
Water Temperature (°C)	26.58	26.66	26.49	26.32	26.2	26.18	26.41	-	-
Salinity (ppt)	30.46	30.21	30.78	30.89	30.97	31	30.72	-	-
D.O. Saturation (%)	120.9	122.1	116.2	112.7	108.3	109.2	114.90	-	-
D.O. (mg/L)	8.18	8.26	7.86	7.64	7.36	7.42	7.79	7.99	7.39
Turbidity (NTU)	1.2	1.2	1.4	1.1	1.3	1.3	1.25	-	-
SS (mg/L)	5.00	4.00	3.00	7.00	7.00	5.00	5.17	-	-
Remarks									

Station	Zone A: S2								
Time (hh:mm)	10:19-10:24								
Water Depth (m)	9.70								
Monitoring Depth (m)	1.20		4.90		8.90				
Tide	Mid-Ebb								
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom
Water Temperature (°C)	26.43	26.39	26.17	26.26	24.46	24.46	25.70	-	-
Salinity (ppt)	30.32	30.38	30.93	30.69	33.62	33.61	31.59	-	-
D.O. Saturation (%)	113	112.4	107	108.5	83.8	84.3	101.50	-	-
D.O. (mg/L)	7.67	7.63	7.27	7.37	5.77	5.81	6.92	7.49	5.79
Turbidity (NTU)	0.9	0.8	1.1	1	7.2	6.9	2.98	-	-
SS (mg/L)	2.00	2.00	3.00	4.00	2.00	6.00	3.17	-	-
Remarks									

Position	Easting	Northing	Depth	Time	Speed	Direction	Date
R1	835951.89	809053.61	0	121020	0	0	20090523
R1	836114.82	808971.8	0	121544	0.5627	116.7	20090523
R1	836243.08	808890.94	0	122034	0.5228	122.2	20090523
R1	836397.12	808789.88	0	122605	0.5566	123.3	20090523
					0.55	120.73	

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			N	N	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	5.5	N	N	N	N	N	N	N	N
SS (Depth-averaged)	7.91	8.96	8.2	8.9	N	N	N	N	N	N	N	N

**Annex C4 Impact Water Quality Monitoring Results During Mid-flood tide for 23 May 2009**

Sampling Date	5/23/2009
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Station	Zone A: R1									
Time (hh:mm)	18:40-18:49									
Water Depth (m)	21.05									
Monitoring Depth (m)	1.20			10.40			20.05			
Tide	Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	25.93	25.92	25.88	25.5	24.5	24.23	25.33	-	-	
Salinity (ppt)	30.68	30.7	30.89	31.69	33.4	33.71	31.85	-	-	
D.O. Saturation (%)	98.7	98.6	97.1	90.7	82.7	81.2	91.50	-	-	
D.O. (mg/L)	6.74	6.74	6.63	6.21	5.7	5.61	6.27	6.58	5.66	
Turbidity (NTU)	1.4	1.4	1.6	2.9	10	10.8	4.68	-	-	
SS (mg/L)	4.00	6.00	5.00	4.00	11.00	10.00	6.67	-	-	
Remarks										

Station	Zone A: S3									
Time (hh:mm)	18:23-18:29									
Water Depth (m)	11.90									
Monitoring Depth (m)	1.25			5.80			10.90			
Tide	Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	26.22	26.15	25.99	26.04	24.81	24.85	25.68	-	-	
Salinity (ppt)	30.7	30.87	31.32	31.24	32.94	32.92	31.67	-	-	
D.O. Saturation (%)	104.9	101.9	100.8	102.1	85.4	85.7	96.80	-	-	
D.O. (mg/L)	7.13	6.93	6.85	6.94	5.87	5.89	6.60	6.96	5.88	
Turbidity (NTU)	1.5	2	1.2	0.9	7.1	4.9	2.93	-	-	
SS (mg/L)	5.00	6.00	5.00	6.00	8.00	5.00	5.83	-	-	
Remarks										

Station	Zone A: S1									
Time (hh:mm)	17:57-18:03									
Water Depth (m)	7.90									
Monitoring Depth (m)	1.25		4.05			6.90				
Tide	Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	26.42	26.41	26.24	26.29	26.03	26.01	26.23	-	-	
Salinity (ppt)	29.18	29.12	31.06	30.87	31.45	31.49	30.53	-	-	
D.O. Saturation (%)	107.4	107.6	104.8	107.1	101.7	101.6	105.03	-	-	
D.O. (mg/L)	7.34	7.36	7.11	7.27	6.91	6.9	7.15	7.27	6.91	
Turbidity (NTU)	1.8	1.6	1.8	1.5	1.3	1.1	1.52	-	-	
SS (mg/L)	5.00	5.00	4.00	3.00	6.00	10.00	5.50	-	-	
Remarks										

Station	Zone A: B1									
Time (hh:mm)	18:10-18:15									
Water Depth (m)	5.90									
Monitoring Depth (m)	1.40		3.10			4.90				
Tide	Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	26.45	26.35	26.35	26.28	26.25	26.25	26.32	-	-	
Salinity (ppt)	30.28	30.68	30.64	30.83	30.87	30.87	30.70	-	-	
D.O. Saturation (%)	111.5	109.9	109.9	106.7	107.5	107.5	108.83	-	-	
D.O. (mg/L)	7.57	7.46	7.46	7.24	7.3	7.3	7.39	7.43	7.30	
Turbidity (NTU)	1.7	1.1	0.9	1.2	0.9	0.9	1.12	-	-	
SS (mg/L)	3.00	4.00	3.00	3.00	3.00	5.00	3.50	-	-	
Remarks										

Station	Zone A: S2									
Time (hh:mm)	17:47-17:52									
Water Depth (m)	8.80									
Monitoring Depth (m)	1.05		4.50			7.80				
Tide	Mid-Flood									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	26.4	26.39	26.39	26.38	25.71	25.72	26.17	-	-	
Salinity (ppt)	29.28	29.33	29.62	29.46	31.88	31.84	30.24	-	-	
D.O. Saturation (%)	107.1	107.4	105.7	105.3	94.9	94.3	102.45	-	-	
D.O. (mg/L)	7.31	7.34	7.21	7.18	6.46	6.43	6.99	7.26	6.45	
Turbidity (NTU)	1.4	1.1	1.6	1.4	3	2.8	1.88	-	-	
SS (mg/L)	3.00	5.00	5.00	4.00	4.00	7.00	4.67	-	-	
Remarks										

**Deep Water Bay  
Flow Tracking Data**

Position	Easting	Northing	Depth	Time	Speed	Direction	Date
R1	835952.11	809049.37	0	185142	0	0	20090523
R1	835903.69	809184.63	0	185633	0.4937	340.3	20090523
R1	835884.6	809318.65	0	190227	0.3824	351.9	20090523
R1	835948.97	809404.65	0	190745	0.3378	36.8	20090523
					0.40	243.00	

**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			N	N	Y	N	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	5.6	6.1	N	N	N	N	N	N	N	N
SS (Depth-averaged)	7.91	8.96	8.0	8.7	N	N	N	N	N	N	N	N



**Annex C5 Impact Water Quality Monitoring Results During Mid-ebb tide for 24 May 2009**

Sampling Date	5/24/2009
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Station	Zone A: R1										
Time (hh:mm)	12:26-12:34										
Water Depth (m)	20.60										
Monitoring Depth (m)	1.30			10.10			19.60				
Tide	Mid-Ebb										
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom		
Water Temperature (°C)	25.69	25.71	25.58	25.63	24.74	24.77	25.35	-	-		
Salinity (ppt)	31.3	31.29	31.74	31.5	33.13	33.08	32.01	-	-		
D.O. Saturation (%)	90	89.9	87.4	86.8	80.2	80.7	85.83	-	-		
D.O. (mg/L)	6.15	6.14	5.97	5.94	5.51	5.55	5.88	6.05	5.53		
Turbidity (NTU)	2	1.6	1.9	2.1	9.5	8	4.18	-	-		
SS (mg/L)	2.00	4.00	4.00	4.00	9.00	15.00	6.33	-	-		
Remarks											

Station	Zone A: S3										
Time (hh:mm)	11:52-11:59										
Water Depth (m)	11.00										
Monitoring Depth (m)	1.25			5.75			10.00				
Tide	Mid-Ebb										
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom		
Water Temperature (°C)	25.69	25.68	25.68	25.68	25.52	25.5	25.63	-	-		
Salinity (ppt)	31.61	31.57	31.72	31.7	32.27	32.27	31.86	-	-		
D.O. Saturation (%)	92.6	92.5	91.8	91.8	90	89	91.28	-	-		
D.O. (mg/L)	6.32	6.32	6.26	6.26	6.13	6.07	6.23	6.29	6.10		
Turbidity (NTU)	0.9	0.9	0.9	1	2	1.7	1.23	-	-		
SS (mg/L)	3.00	3.00	7.00	6.00	9.00	11.00	6.50	-	-		
Remarks											

Station	Zone A: S1										
Time (hh:mm)	11:17-11:23										
Water Depth (m)	8.85										
Monitoring Depth (m)	1.20			4.55			7.85				
Tide	Mid-Ebb										
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom		
Water Temperature (°C)	25.86	25.82	25.8	25.6	25.26	25.24	25.60	-	-		
Salinity (ppt)	30.98	31.09	31.18	31.73	32.38	32.41	31.63	-	-		
D.O. Saturation (%)	92.8	92	88.3	87.6	84.5	82	87.87	-	-		
D.O. (mg/L)	6.33	6.28	6.03	5.98	5.79	5.61	6.00	6.16	5.70		
Turbidity (NTU)	1	1	1.3	1.4	2.6	2.9	1.70	-	-		
SS (mg/L)	4.00	2.00	3.00	4.00	4.00	4.00	3.50	-	-		
Remarks											

Station	Zone A: B1										
Time (hh:mm)	11:33-11:39										
Water Depth (m)	5.70										
Monitoring Depth (m)	1.10			3.00			4.70				
Tide	Mid-Ebb										
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom		
Water Temperature (°C)		25.74	25.75	25.7	25.59	25.33	25.62	-	-		
Salinity (ppt)	31.44	31.39	31.41	31.61	31.83	32.32	31.67	-	-		
D.O. Saturation (%)	87.5	87.3	87.1	83.7	83.6	79.9	84.85	-	-		
D.O. (mg/L)	5.97	5.96	5.94	5.71	5.47	5.47	5.79	5.90	5.59		
Turbidity (NTU)	1.5	1.8	1.8	2.5	3.3	3.8	2.45	-	-		
SS (mg/L)	4.00	3.00	4.00	2.00	3.00	4.00	3.33	-	-		
Remarks											

Station	Zone A: S2										
Time (hh:mm)	11:03-11:09										
Water Depth (m)	9.90										
Monitoring Depth (m)	1.40			5.25			8.90				
Tide	Mid-Ebb										
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom		
Water Temperature (°C)	25.9	25.91	25.6	25.59	25.43	25.45	25.65	-	-		
Salinity (ppt)	30.79	30.74	31.71	31.74	32.04	32.02	31.51	-	-		
D.O. Saturation (%)	92.6	91.9	88	88.3	86.6	86	88.90	-	-		
D.O. (mg/L)	6.33	6.28	6.01	6.03	5.92	5.88	6.08	6.16	5.90		
Turbidity (NTU)	0.9	1	1.3	1.4	1.5	1.5	1.27	-	-		
SS (mg/L)	5.00	2.00	3.00	3.00	5.00	6.00	4.00	-	-		
Remarks											

Deep Water Bay

Flow Tracking Data

Position	Eastings	Northing	Depth	Time	Speed	Direction	Date
R1	835951.59	809048.67	0	123719	0	0	20090524
R1	836119.56	809034.43	0	124218	0.5638	94.8	20090524
R1	836305.46	809049.51	0	124718	0.6217	85.4	20090524
R1	836500.54	809069.78	0	125235	0.6187	84.1	20090524
					0.60	88.10	

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			Y	Y	Y	Y	Y	Y	Y	Y
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	7.6	8.2	N	N	N	N	N	N	N	N

**Annex C6 Impact Water Quality Monitoring Results During Mid-flood tide for 24 May 2009**

Sampling Date	5/24/2009
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Station		Zone A: R1								
Time (hh:mm)		18:45-18:50								
Water Depth (m)		20.80								
Monitoring Depth (m)		1.20		10.60		19.80				
Tide		Mid-Flood								
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	25.62	25.6	25.51	25.5	25.14	25.15	25.42	-	-	
Salinity (ppt)	30.26	30.63	32.11	32.1	32.7	32.66	31.74	-	-	
D.O. Saturation (%)	78	77.7	79.9	79.2	75.8	75.2	77.63	-	-	
D.O. (mg/L)	5.37	5.35	5.45	5.4	5.19	5.15	5.32	5.39	5.17	
Turbidity (NTU)	2.6	2.2	3.6	3.8	8.9	8.3	4.90	-	-	
SS (mg/L)	2.00	4.00	7.00	4.00	12.00	13.00	7.00	-	-	
Remarks										

Station		Zone A: S3								
Time (hh:mm)		18:31-18:36								
Water Depth (m)		11.25								
Monitoring Depth (m)		1.25		5.70		10.25				
Tide		Mid-Flood								
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	25.73	25.72	25.7	25.71	25.62	25.62	25.68	-	-	
Salinity (ppt)	31.07	31.12	31.51	31.48	31.91	31.88	31.50	-	-	
D.O. Saturation (%)	84.5	83.2	83.9	83.7	82.7	81.6	83.27	-	-	
D.O. (mg/L)	5.78	5.69	5.73	5.71	5.64	5.57	5.69	5.73	5.61	
Turbidity (NTU)	1.5	1.7	1.6	1.5	1.6	1.3	1.53	-	-	
SS (mg/L)	5.00	3.00	2.00	5.00	4.00	3.00	3.67	-	-	
Remarks										

Station		Zone A: S1								
Time (hh:mm)		18:09-18:14								
Water Depth (m)		7.90								
Monitoring Depth (m)		1.35		4.25		6.90				
Tide		Mid-Flood								
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	25.69	25.82	25.63	25.68	25.62	25.63	25.68	-	-	
Salinity (ppt)	31.4	30.76	31.67	31.59	31.78	31.76	31.49	-	-	
D.O. Saturation (%)	84.1	85.1	81	83.8	82.2	81.3	82.92	-	-	
D.O. (mg/L)	5.75	5.83	5.53	5.72	5.61	5.55	5.67	5.71	5.58	
Turbidity (NTU)	1.7	2.1	1.7	1.4	1.4	1.2	1.58	-	-	
SS (mg/L)	3.00	5.00	4.00	6.00	3.00	5.00	4.33	-	-	
Remarks										

Station		Zone A: B1								
Time (hh:mm)		18:19-18:25								
Water Depth (m)		6.05								
Monitoring Depth (m)		1.20		3.25		5.05				
Tide		Mid-Flood								
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)		25.76	25.78	25.76	25.73	25.74	25.75	-	-	
Salinity (ppt)	30.82	30.68	31.16	31.4	31.54	31.48	31.18	-	-	
D.O. Saturation (%)	83.9	83.8	83.6	84.3	84.8	84.7	84.18	-	-	
D.O. (mg/L)	5.74	5.74	5.71	5.75	5.79	5.78	5.75	5.74	5.79	
Turbidity (NTU)	1.5	1.6	1.2	1	1.1	1.1	1.25	-	-	
SS (mg/L)	5.00	5.00	4.00	2.00	4.00	5.00	4.17	-	-	
Remarks										

Station		Zone A: S2								
Time (hh:mm)		17:59-18:04								
Water Depth (m)		8.80								
Monitoring Depth (m)		1.40		4.70		7.80				
Tide		Mid-Flood								
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	25.74	25.75	25.67	25.67	25.56	25.61	25.67	-	-	
Salinity (ppt)	30.85	30.67	31.47	31.46	31.82	31.76	31.34	-	-	
D.O. Saturation (%)	85	85	83.8	83.5	81.5	81.3	83.35	-	-	
D.O. (mg/L)	5.82	5.83	5.72	5.71	5.57	5.55	5.70	5.77	5.56	
Turbidity (NTU)	1.9	1.7	1.4	1.4	2.2	2.1	1.78	-	-	
SS (mg/L)	5.00	2.00	2.00	5.00	4.00	3.00	3.50	-	-	
Remarks										

**Deep Water Bay  
Flow Tracking Data**

Position	Easting	Northing	Depth	Time	Speed	Direction	Date
R1	835950.68	809050.75	0	185152	0	0	20090524
R1	835902.04	809074.32	0	185617	0.204	295.9	20090524
R1	835806.96	809072.97	0	190213	0.2671	269.2	20090524
R1	835724.93	809101.9	0	190753	0.2558	289.4	20090524
					0.24	284.83	

**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	Y	Y
DO (Depth-averaged)	6.59	6.42			Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (Depth-averaged)	5.17	5.72	5.9	6.4	N	N	N	N	N	N	N	N
SS (Depth-averaged)	7.91	8.96	8.4	9.1	N	N	N	N	N	N	N	N

**Annex C7 Impact Water Quality Monitoring Results During Mid-ebb tide for 25 May 2009**

Sampling Date	5/25/2009
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Station	Zone A: R1										
Time (hh:mm)	13:19-13:29										
Water Depth (m)	20.45										
Monitoring Depth (m)	1.20			10.80			19.45				
Tide	Mid-Ebb										
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom		
Water Temperature (°C)	25.72	25.73	25.71	25.72	25.64	25.63	25.69	-	-		
Salinity (ppt)	31.85	31.86	32.2	32.16	32.48	32.47	32.17	-	-		
D.O. Saturation (%)	79.5	79.8	79.7	79	78.4	77.8	79.03	-	-		
D.O. (mg/L)	5.41	5.44	5.42	5.37	5.33	5.29	5.38	5.41	5.31		
Turbidity (NTU)	3.2	3.4	3.9	4.6	7.1	6.9	4.85	-	-		
SS (mg/L)	7.00	6.00	7.00	6.00	10.00	9.00	7.50	-	-		
Remarks											

Station	Zone A: S3										
Time (hh:mm)	12:31-12:37										
Water Depth (m)	11.00										
Monitoring Depth (m)	1.20			5.55			10.00				
Tide	Mid-Ebb										
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom		
Water Temperature (°C)	25.72	25.64	25.74	25.75	25.75	25.74	25.72	-	-		
Salinity (ppt)	32.02	31.9	32.08	32.07	32.11	32.12	32.05	-	-		
D.O. Saturation (%)	82.5	79.3	82.4	82.6	82.3	81.5	81.77	-	-		
D.O. (mg/L)	5.62	5.41	5.61	5.61	5.59	5.54	5.56	5.56	5.57		
Turbidity (NTU)	2	1.9	2	1.9	2.4	2.1	2.05	-	-		
SS (mg/L)	4.00	5.00	6.00	4.00	3.00	5.00	4.50	-	-		
Remarks											

Station	Zone A: S1										
Time (hh:mm)	12:00-12:06										
Water Depth (m)	8.85										
Monitoring Depth (m)	0.95			4.55			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)	25.64	25.66	25.5	25.49	25.61	25.61	25.59	-	-		
Salinity (ppt)	31.44	31.3	32.02	32.04	32.24	32.24	31.88	-	-		
D.O. Saturation (%)	78.9	79.6	74.5	72.8	77.3	76.9	76.67	-	-		
D.O. (mg/L)	5.4	5.44	5.09	4.97	5.26	5.24	5.23	5.23	5.25		
Turbidity (NTU)	1.1	1	2.2	2.8	2.9	2.9	2.15	-	-		
SS (mg/L)	3.00	3.00	6.00	2.00	15.00	13.00	7.00	-	-		
Remarks											

Station	Zone A: B1										
Time (hh:mm)	12:14-12:22										
Water Depth (m)	6.85										
Monitoring Depth (m)	1.20			2.95			5.85				
Tide	Mid-Ebb										
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom		
Water Temperature (°C)	25.63	25.63	25.61	25.56	25.51	25.51	25.58	-	-		
Salinity (ppt)	31.46	31.38	31.7	31.83	31.92	31.91	31.70	-	-		
D.O. Saturation (%)	77.6	78.1	75.4	73.8	69.7	70	74.10	-	-		
D.O. (mg/L)	5.31	5.34	5.15	5.04	4.76	4.78	5.06	5.21	4.77		
Turbidity (NTU)	1.2	1.6	1.8	2.5	5	4.4	2.75	-	-		
SS (mg/L)	5.00	3.00	4.00	5.00	6.00	6.00	4.83	-	-		
Remarks											

Station	Zone A: S2										
Time (hh:mm)	11:44-11:50										
Water Depth (m)	10.00										
Monitoring Depth (m)	1.40			5.20			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)	25.67	25.67	25.66	25.64	25.61	25.58	25.64	-	-		
Salinity (ppt)	31.09	31.11	31.18	31.34	32.27	32.28	31.55	-	-		
D.O. Saturation (%)	81.8	81.4	80.9	77.8	78.2	76.9	79.50	-	-		
D.O. (mg/L)	5.6	5.57	5.54	5.32	5.33	5.24	5.43	5.51	5.29		
Turbidity (NTU)	0.9	0.9	1	1.3	4	4.3	2.07	-	-		
SS (mg/L)	1.00	3.00	3.00	5.00	4.00	3.00	3.17	-	-		
Remarks											

**Deep Water Bay Flow Tracking Data**

Position	Easting	Northing	Depth	Time	Speed	Direction	Date
R1	835952.66	809056.21	0	133229	0	0	20090525
R1	836073.87	808988.18	0	133733	0.4572	119.3	20090525
R1	836204.78	808906.76	0	134251	0.4848	121.9	20090525
R1	836309.62	808849.53	0	134729	0.4297	118.6	20090525
					0.46	119.93	

**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			Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (Depth-averaged)	5.17	5.72	5.8	6.3	N	N	N	N	N	N	N	N
SS (Depth-averaged)	7.91	8.96	9.0	9.8	N	N	N	N	N	N	N	N

**Annex C8 Impact Water Quality Monitoring Results During Mid-flood tide for 25 May 2009**

Sampling Date	5/25/2009
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Station	Zone A: R1										
Time (hh:mm)	19:32-19:38										
Water Depth (m)	20.80										
Monitoring Depth (m)	1.20			10.55			19.80				
Tide	Mid-Flood										
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom		
Water Temperature (°C)	25.65	25.64	25.72	25.74	25.66	25.66	25.68	-	-		
Salinity (ppt)	31.5	31.29	32.4	32.52	32.82	32.84	32.23	-	-		
D.O. Saturation (%)	77.2	76.7	79.9	80.5	79.5	79.4	78.87	-	-		
D.O. (mg/L)	5.27	5.25	5.42	5.46	5.39	5.39	5.36	5.35	5.39		
Turbidity (NTU)	2.5	2.5	3.5	3.2	14.7	13.2	6.60	-	-		
SS (mg/L)	4.00	3.00	6.00	7.00	17.00	23.00	10.00	-	-		
Remarks											

Station	Zone A: S3										
Time (hh:mm)	19:13-19:19										
Water Depth (m)	11.20										
Monitoring Depth (m)	1.10			5.60			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)	25.69	25.67	25.64	25.64	25.59	25.64	25.65	-	-		
Salinity (ppt)	31.58	31.51	31.85	31.82	32.13	32.03	31.82	-	-		
D.O. Saturation (%)	79.7	79.7	78.2	78.5	77.7	77.9	78.62	-	-		
D.O. (mg/L)	5.44	5.44	5.33	5.35	5.3	5.31	5.36	5.39	5.31		
Turbidity (NTU)	2	1.9	2.4	2.1	2.2	2.5	2.18	-	-		
SS (mg/L)	6.00	3.00	2.00	5.00	5.00	3.00	4.00	-	-		
Remarks											

Station	Zone A: S1										
Time (hh:mm)	18:48-18:53										
Water Depth (m)	7.85										
Monitoring Depth (m)	1.10			4.00			6.85				
Tide	Mid-Flood										
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom		
Water Temperature (°C)	25.6	25.6	25.61	25.68	25.63	25.53	25.61	-	-		
Salinity (ppt)	31.79	31.58	31.84	32.06	32.25	32.23	31.96	-	-		
D.O. Saturation (%)	78	78.3	77.7	77.9	76.5	71.2	76.60	-	-		
D.O. (mg/L)	5.32	5.35	5.3	5.31	5.2	4.85	5.22	5.32	5.03		
Turbidity (NTU)	1.4	1.6	1.5	2	3.3	3.9	2.28	-	-		
SS (mg/L)	3.00	3.00	3.00	3.00	4.00	3.00	3.17	-	-		
Remarks											

Station	Zone A: B1										
Time (hh:mm)	19:00-19:06										
Water Depth (m)	5.85										
Monitoring Depth (m)	1.30			3.20			4.85				
Tide	Mid-Flood										
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom		
Water Temperature (°C)	25.58	25.59	25.52	25.52	25.52	25.47	25.53	-	-		
Salinity (ppt)	31.98	32.04	32.07	32.05	32.08	32.12	32.06	-	-		
D.O. Saturation (%)	74.3	74.5	73.5	72.3	73.9	71.3	73.30	-	-		
D.O. (mg/L)	5.07	5.08	5.02	4.93	5.04	4.87	5.00	5.03	4.96		
Turbidity (NTU)	1.9	2.1	1.9	2.1	2.2	2.3	2.08	-	-		
SS (mg/L)	5.00	5.00	2.00	3.00	5.00	7.00	4.50	-	-		
Remarks											

Station	Zone A: S2										
Time (hh:mm)	18:37-18:42										
Water Depth (m)	8.75										
Monitoring Depth (m)	1.25			4.55			7.75				
Tide	Mid-Flood										
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom		
Water Temperature (°C)	25.64	25.62	25.66	25.67	25.68	25.69	25.66	-	-		
Salinity (ppt)	31.65	31.42	31.89	32.11	32.35	32.36	31.96	-	-		
D.O. Saturation (%)	80.4	80.2	80.3	79	79.3	78.4	79.60	-	-		
D.O. (mg/L)	5.49	5.48	5.48	5.37	5.39	5.33	5.42	5.46	5.36		
Turbidity (NTU)	1.4	1.3	1.6	2.3	3.8	3.4	2.30	-	-		
SS (mg/L)	4.00	2.00	3.00	3.00	6.00	4.00	3.67	-	-		
Remarks											

**Deep Water Bay  
Flow Tracking Data**

Position	Easting	Northing	Depth	Time	Speed	Direction	Date
R1	835953.02	809054.66	0	194000	0	0	20090525
R1	835838.61	809071	0	194539	0.3409	278.1	20090525
R1	835766.63	809121.4	0	195052	0.2807	305	20090525
R1	835615.64	809146.93	0	195710	0.4051	279.6	20090525
					0.34	287.57	

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
DO (Depth-averaged)	6.59	6.42			Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (Depth-averaged)	5.17	5.72	7.9	8.6	N	N	N	N	N	N	N	N
SS (Depth-averaged)	7.91	8.96	12.0	13.0	N	N	N	N	N	N	N	N

**Annex C9 Impact Water Quality Monitoring Results During Mid-ebb tide for 26 May 2009**

Sampling Date	5/26/2009
Weather	Cloudy

Station	Zone A: R1									
Time (hh:mm)	13:58-14:07									
Water Depth (m)	21.00									
Monitoring Depth (m)	1.10			10.20			19.80			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	26.0	26.0	25.7	25.8	25.8	25.8	25.84	-	-	
Salinity (ppt)	31.4	31.5	32.4	32.3	32.8	32.8	32.22	-	-	
D.O. Saturation (%)	89.3	88.5	87.0	87.1	88.1	88.4	88.04	-	-	
D.O. (mg/L)	6.07	6.01	5.90	5.91	5.96	5.98	5.97	5.97	5.97	
Turbidity (NTU)	2.13	2.53	4.15	3.85	9.91	11.23	5.63	-	-	
SS (mg/L)	5.00	4.00	6.00	9.00	13.00	14.00	8.50	-	-	
Remarks										

Station	Zone A: S3									
Time (hh:mm)	13:35-13:40									
Water Depth (m)	11.90									
Monitoring Depth (m)	1.15			5.90			10.80			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	25.9	25.9	25.8	25.9	25.8	25.8	25.84	-	-	
Salinity (ppt)	32.1	32.1	32.3	32.2	32.5	32.5	32.31	-	-	
D.O. Saturation (%)	90.5	90.7	88.3	89.6	87.8	87.9	89.14	-	-	
D.O. (mg/L)	6.14	6.14	5.99	6.07	5.95	5.96	6.04	6.09	5.96	
Turbidity (NTU)	2.33	2.23	2.43	2.33	3.04	3.44	2.63	-	-	
SS (mg/L)	5.0	4.0	4.0	5.0	6.0	4.0	4.67	-	-	
Remarks										

Station	Zone A: S1									
Time (hh:mm)	13:04-13:10									
Water Depth (m)	8.70									
Monitoring Depth (m)	1.05			4.95			7.65			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	25.9	26.0	25.7	25.7	25.7	25.7	25.79	-	-	
Salinity (ppt)	31.6	31.6	32.0	32.1	32.5	32.6	32.09	-	-	
D.O. Saturation (%)	89.5	89.0	83.8	81.6	80.6	80.7	84.17	-	-	
D.O. (mg/L)	6.08	6.04	5.70	5.55	5.47	5.47	5.72	5.84	5.47	
Turbidity (NTU)	1.52	1.62	2.13	1.93	6.68	7.39	3.55	-	-	
SS (mg/L)	3.0	4.0	5.0	2.0	13.0	14.0	6.83	-	-	
Remarks										

Station	Zone A: B1									
Time (hh:mm)	13:18-13:24									
Water Depth (m)	6.10									
Monitoring Depth (m)	1.10			3.00			4.95			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	25.8	25.8	25.7	25.7	25.7	25.7	25.73	-	-	
Salinity (ppt)	32.0	32.0	32.3	32.3	32.6	32.5	32.28	-	-	
D.O. Saturation (%)	82.6	85.6	80.2	80.7	84.0	81.9	82.51	-	-	
D.O. (mg/L)	5.62	5.82	5.45	5.49	5.70	5.56	5.61	5.60	5.63	
Turbidity (NTU)	2.23	2.23	3.64	3.44	5.06	5.06	3.61	-	-	
SS (mg/L)	4.0	4.0	4.0	4.0	8.0	7.0	5.17	-	-	
Remarks										

Station	Zone A: S2									
Time (hh:mm)	12:51-12:56									
Water Depth (m)	9.90									
Monitoring Depth (m)	1.10			4.90			8.95			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	26.0	25.9	25.7	25.7	25.8	25.8	25.80	-	-	
Salinity (ppt)	31.6	31.6	32.4	31.9	32.6	32.6	32.12	-	-	
D.O. Saturation (%)	90.4	90.9	82.8	82.9	87.1	86.7	86.78	-	-	
D.O. (mg/L)	6.14	6.18	5.62	5.65	5.90	5.87	5.89	5.90	5.89	
Turbidity (NTU)	3.14	2.43	4.15	1.72	4.76	4.66	3.48	-	-	
SS (mg/L)	2.0	1.0	2.0	3.0	6.0	10.0	4.00	-	-	
Remarks										

**Deep Water Bay  
Flow Tracking Data**

Position	Eastings	Northing	Depth	Time	Speed	Direction	Date
R1	835950.75	809052.37	0	141034	0	0	20090526
R1	836145.1	808964.65	0	141557	0.6602	114.3	20090526
R1	836313.72	808898.05	0	142103	0.5925	111.6	20090526
R1	836498.81	808827.86	0	142644	0.5805	110.8	20090526

0.61      112.23

**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			Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (Depth-averaged)	5.17	5.72	6.8	7.3	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	N	N

**Annex C10 Impact Water Quality Monitoring Results During Mid-ebb tide for 27 May 2009**

Sampling Date	5/27/2009
Weather	Cloudy

Station	Zone A: R1									
Time (hh:mm)	14:32-14:41									
Water Depth (m)	20.40									
Monitoring Depth (m)	1.05	10.75				19.40				
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	26.25	26.31	25.91	25.91	25.89	25.89	26.03	-	-	
Salinity (ppt)	31.94	31.9	32.62	32.68	32.9	32.9	32.49	-	-	
D.O. Saturation (%)	84	84.3	78.8	78.8	79.9	80	79.8	81.13	-	
D.O. (mg/L)	5.67	5.68	5.32	5.4	5.4	5.39	5.48	5.52	5.40	
Turbidity (NTU)	2.5	2.6	4.9	4.2	10.1	13.9	6.37	-	-	
SS (mg/L)	3.0	5.0	3.0	4.0	15.0	23.0	8.83	-	-	
Remarks										

Station	Zone A: S3									
Time (hh:mm)	14:15-14:20									
Water Depth (m)	11.55									
Monitoring Depth (m)	1.20	6.00				10.55				
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	26.4	26.3	26.13	25.96	25.94	25.95	26.11	-	-	
Salinity (ppt)	32.1	32.21	32.53	32.67	32.81	32.79	32.52	-	-	
D.O. Saturation (%)	85.7	84.4	81	79.9	81.3	80.7	82.17	-	-	
D.O. (mg/L)	5.76	5.68	5.46	5.39	5.48	5.44	5.54	5.57	5.46	
Turbidity (NTU)	2.5	2.6	3.6	3.5	4.6	4	3.47	-	-	
SS (mg/L)	5.0	4.0	5.0	5.0	6.0	4.0	4.83	-	-	
Remarks										

Station	Zone A: S1									
Time (hh:mm)	13:45-13:54									
Water Depth (m)	8.85									
Monitoring Depth (m)	1.30	4.45				7.85				
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	26.61	26.2	25.93	25.99	25.88	25.89	26.08	-	-	
Salinity (ppt)	31.76	31.92	32.4	32.17	32.88	32.88	32.34	-	-	
D.O. Saturation (%)	86.5	87.4	74.6	78.6	78.2	77.8	80.52	-	-	
D.O. (mg/L)	5.81	5.9	5.05	5.32	5.28	5.25	5.44	5.52	5.27	
Turbidity (NTU)	1.5	1.6	3.4	2.1	9	8.7	4.38	-	-	
SS (mg/L)	2.0	3.0	8.0	8.0	11.0	12.0	7.33	-	-	
Remarks										

Station	Zone A: B1									
Time (hh:mm)	14:03-14:08									
Water Depth (m)	6.70									
Monitoring Depth (m)	1.20	2.90				5.70				
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	26	26.18	25.89	25.85	25.83	25.83	25.93	-	-	
Salinity (ppt)	32.26	32.08	32.46	32.49	32.55	32.53	32.40	-	-	
D.O. Saturation (%)	76.6	76.6	76.5	73.3	74.5	72.9	75.07	-	-	
D.O. (mg/L)	5.18	5.17	5.18	4.96	5.04	4.94	5.08	5.12	4.99	
Turbidity (NTU)	3	3.6	2.4	3.3	3.4	3.4	3.18	-	-	
SS (mg/L)	5.0	5.0	4.0	4.0	3.0	5.0	4.33	-	-	
Remarks										

Station	Zone A: S2									
Time (hh:mm)	13:31-13:37									
Water Depth (m)	10.10									
Monitoring Depth (m)	1.25	4.95				9.10				
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	26.84	26.74	26.01	25.99	25.91	25.91	26.23	-	-	
Salinity (ppt)	31.5	31.54	32.1	32.22	32.89	32.87	32.19	-	-	
D.O. Saturation (%)	83.9	84.7	77.7	73.8	76.6	76	78.78	-	-	
D.O. (mg/L)	5.62	5.69	5.26	4.99	5.17	5.13	5.31	5.39	5.15	
Turbidity (NTU)	1.5	1.5	1.8	2.1	6.2	5.5	3.10	-	-	
SS (mg/L)	2.0	2.0	2.0	3.0	8.0	9.0	4.33	-	-	
Remarks										

**Deep Water Bay  
Flow Tracking Data**

Position	Eastings	Northings	Depth	Time	Speed	Direction	Date
R1	835951.25	809051.77	0	144432	0	0	20090527
R1	836060.45	809045.86	0	144928	0.3695	93.1	20090527
R1	836211.94	809007.56	0	145412	0.5502	104.2	20090527
R1	836301.02	809011.95	0	150025	0.2391	87.2	20090527

0.39      94.83

**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	Y	Y
DO (Depth-averaged)	6.59	6.42			Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (Depth-averaged)	5.17	5.72	7.6	8.3	N	N	N	N	N	N	N	N
SS (Depth-averaged)	7.91	8.96	10.6	11.5	N	N	N	N	N	N	N	N

**Annex C11 Impact Water Quality Monitoring Results During Mid-ebb tide for 28 May 2009**

Sampling Date	5/28/2009
Weather	Cloudy

Station	Zone A: R1									
Time (hh:mm)	15:32-15:38									
Water Depth (m)	20.45									
Monitoring Depth (m)	1.10		10.20				19.45			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	26.09	26.1	26.06	26.09	26.02	26.02	26.06	-	-	
Salinity (ppt)	32.65	32.66	32.82	32.76	33.05	33.05	32.83	-	-	
D.O. Saturation (%)	85.6	85.3	83.5	83.6	84.5	84	84.42	-	-	
D.O. (mg/L)	5.77	5.75	5.62	5.63	5.69	5.65	5.69	5.69	5.67	
Turbidity (NTU)	4.2	4.2	6.3	5.2	6.5	8.0	5.70	-	-	
SS (mg/L)	4.0	8.0	8.0	8.0	12.0	13.0	8.83	-	-	
Remarks										

Station	Zone A: S3									
Time (hh:mm)	15:12-15:18									
Water Depth (m)										
Monitoring Depth (m)	1.00		5.90				10.70			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	26.08	26.12	26.06	26.05	26.03	26.04	26.06	-	-	
Salinity (ppt)	32.96	32.91	33	33.01	33.11	33.09	33.01	-	-	
D.O. Saturation (%)	87.2	87.2	86.7	86.6	85.6	85.4	86.45	-	-	
D.O. (mg/L)	5.87	5.86	5.84	5.83	5.76	5.74	5.82	5.85	5.75	
Turbidity (NTU)	4.3	4.1	4.7	4.7	5.6	5.4	4.76	-	-	
SS (mg/L)	6.0	6.0	6.0	6.0	8.0	8.0	6.67	-	-	
Remarks										

Station	Zone A: S1									
Time (hh:mm)	14:46-14:51									
Water Depth (m)	8.95									
Monitoring Depth (m)	1.10		4.55				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)	26.11	26.1	26.11	26.09	26.11	26.12	26.11	-	-	
Salinity (ppt)	32.8	32.81	32.81	32.88	33.01	33.01	32.89	-	-	
D.O. Saturation (%)	87.5	87	86.8	85.8	83.7	84.4	85.87	-	-	
D.O. (mg/L)	5.89	5.86	5.84	5.77	5.62	5.67	5.78	5.84	5.65	
Turbidity (NTU)	3.6	3.6	3.5	3.9	4.0	4.3	3.81	-	-	
SS (mg/L)	5.0	4.0	4.0	6.0	6.0	5.0	5.0	-	-	
Remarks										

Station	Zone A: B1									
Time (hh:mm)	14:58-15:03									
Water Depth (m)	6.90									
Monitoring Depth (m)	1.15		3.50				5.90			
Tide	Mid-Ebb									
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth-averaged	Surface & Middle	Bottom	
Water Temperature (°C)	26.24	26.24	26.2	26.17	26.12	26.12	26.18	-	-	
Salinity (ppt)	32.95	32.95	32.95	32.98	33.01	33.01	32.98	-	-	
D.O. Saturation (%)	87	86.9	84.3	85.4	83.8	83.9	85.22	-	-	
D.O. (mg/L)	5.84	5.83	5.66	5.73	5.64	5.64	5.72	5.77	5.64	
Turbidity (NTU)	4.8	4.6	5.7	4.2	6.4	6.2	5.28	-	-	
SS (mg/L)	8.0	10.0	10.0	11.0	8.0	6.0	8.83	-	-	
Remarks										

Station	Zone A: S2									
Time (hh:mm)	14:34-14:39									
Water Depth (m)	8.90									
Monitoring Depth (m)	1.20		4.55				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)	26.2	26.2	26.17	26.17	26.11	26.12	26.16	-	-	
Salinity (ppt)	32.73	32.72	32.74	32.76	32.95	32.97	32.81	-	-	
D.O. Saturation (%)	89.5	89.3	87.6	88	84.4	84.5	87.22	-	-	
D.O. (mg/L)	6.01	6	5.89	5.92	5.67	5.68	5.86	5.96	5.68	
Turbidity (NTU)	2.8	3.1	3.0	3.3	4.2	3.9	3.39	-	-	
SS (mg/L)	5.0	4.0	4.0	4.0	15.0	13.0	7.50	-	-	
Remarks										

**Deep Water Bay  
Flow Tracking Data**

Position	Eastings	Northing	Depth	Time	Speed	Direction	Date
R1	835951.66	809055.11	0	154112	0	0	20090528
R1	836082.74	808994.02	0	154623	0.465	115	20090528
R1	836197.82	808921.95	0	155117	0.4619	122.1	20090528
R1	836329.43	808873.04	0	155656	0.4142	110.4	20090528

0.45      115.83

**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	Y	Y
DO (Depth-averaged)	6.59	6.42			Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (Depth-averaged)	5.17	5.72	6.8	7.4	N	N	N	N	N	N	Y	N
SS (Depth-averaged)	7.91	8.96	10.6	11.5	N	N	N	N	N	N	Y	N