Sampling Date	12/1/2009
Weather & Ambient Temperature	Sunny, 22C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	12:16-12:19							
Water Depth (m)	20.2							
Monitoring Depth (m)	1.0		10.1		19.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.0	22.0	21.7	21.7	21.4	21.4	21.67	-
Salinity (ppt)	33.0	33.0	33.5	33.5	33.6	33.6	33.37	-
pH	8.2	8.2	8.3	8.2	8.2	8.2	8.23	
D.O. Saturation (%)	81.3	81.2	82.1	82.2	82.5	82.7	82.00	-
D.O. (mg/L)	5.9	5.9	5.9	6.0	6.0	6.0	5.93	5.98
Turbidity (NTU)	6.5	6.2	8.3	8.1	10.0	10.3	8.23	-
SS (mg/L)	19.0	17.0	11.0	11.0	14.0	16.0	14.67	-
Remarks	Dredger was in operation.							

Station	IMO5						**Co-ordinates**	
Time (hh:mm)	12:00-12:03						Northing	Easting
Water Depth (m)	22.2						22.22.611	113.55.018
Monitoring Depth (m)	1.0		11.1		21.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.5	22.4	22.1	22.0	21.8	21.8	22.10	-
Salinity (ppt)	33.8	33.9	33.8	33.8	33.9	33.9	33.83	-
pH	8.3	8.3	8.3	8.3	8.3	8.3	8.33	
D.O. Saturation (%)	84.6	83.8	82.3	82.8	83.8	84.4	83.62	-
D.O. (mg/L)	6.0	6.0	5.9	6.0	6.0	6.1	5.99	6.05
Turbidity (NTU)	8.2	8.5	7.7	7.8	7.3	7.4	7.82	-
SS (mg/L)	12	10	12	11	14	12	11.83	-
Remarks	Dredger was in operation.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	IMO6						**Co-ordinates**	
Time (hh:mm)	11:50-11:53						Northing	Easting
Water Depth (m)	18.2						22.21.619	113.55.676
Monitoring Depth (m)	1.0		9.1		17.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.0	22.0	21.9	21.9	21.8	21.8	21.89	-
Salinity (ppt)	33.9	33.9	33.9	33.9	34.0	34.0	33.93	-
pH	8.4	8.3	8.3	8.3	8.3	8.3	8.34	
D.O. Saturation (%)	82.6	82.8	81.7	82.0	83.1	82.3	82.42	-
D.O. (mg/L)	5.9	6.0	5.9	5.9	6.0	5.9	5.93	5.96
Turbidity (NTU)	4.9	4.6	6.1	5.7	7.4	7.6	6.05	-
SS (mg/L)	18.0	18.0	19.0	18.0	12.0	15.0	16.67	-
Remarks	Dredger was in operation.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB1							
Time (hh:mm)	12:38-12:40							
Water Depth (m)	7.8							
Monitoring Depth (m)	1.0		3.9		6.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.9	21.9	21.8	21.8	21.7	21.7	21.79	-
Salinity (ppt)	33.0	33.0	33.1	33.1	33.5	33.5	33.20	-
pH	8.3	8.3	8.3	8.3	8.3	8.3	8.30	
D.O. Saturation (%)	79.5	78.4	79.7	78.7	80.1	80.0	79.40	-
D.O. (mg/L)	5.8	5.7	5.8	5.7	5.8	5.8	5.75	5.81
Turbidity (NTU)	6.8	6.7	7.6	7.5	8.5	8.9	7.67	-
SS (mg/L)	14.0	12.0	15.0	18.0	16.0	16.0	15.17	-
Remarks	Dredger was in operation.							

Station	IMO3						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB2							
Time (hh:mm)	12:48-12:50							
Water Depth (m)	8.2							
Monitoring Depth (m)	1.0		4.1		7.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.8	21.8	21.7	21.7	21.7	21.7	21.72	-
Salinity (ppt)	33.4	33.4	33.5	33.5	33.6	33.6	33.50	-
pH	8.3	8.3	8.3	8.3	8.3	8.3	8.33	
D.O. Saturation (%)	87.4	87.9	84.9	85.6	84.3	84.6	85.78	-
D.O. (mg/L)	6.3	6.4	6.1	6.2	6.1	6.1	6.21	6.12
Turbidity (NTU)	10.1	10.1	11.6	12.1	12.9	13.3	11.68	-
SS (mg/L)	12.0	10.0	13.0	10.0	15.0	16.0	12.67	-
Remarks	Dredger was in operation.							

Station	IMO4						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MP							
Time (hh:mm)	12:29-12:32							
Water Depth (m)	4.8							
Monitoring Depth (m)	1.0		2.4		3.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.8	21.8	21.8	21.8	21.7	21.7	21.76	-
Salinity (ppt)	33.0	33.0	32.9	33.0	32.9	32.9	32.94	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.18	
D.O. Saturation (%)	76.9	75.9	77.5	76.2	78.8	78.5	77.30	-
D.O. (mg/L)	5.6	5.5	5.6	5.5	5.7	5.7	5.61	5.71
Turbidity (NTU)	9.5	9.7	10.9	10.8	11.2	11.4	10.58	-
SS (mg/L)	10.0	11.0	10.0	11.0	15.0	13.0	11.67	-
Remarks	Dredger was in operation.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C2 OR C2*130%**		IMO1		IMO2		IMO3		IMO4		IMO5		IMO6		MPB1		MPB2		MP	
	Action Level	**Limit Level**	**Action Level**	**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**	**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**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**
DO (Bottom)	3.3	2.5	6.0	6.0	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	4.2	4.0	5.9	5.9	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	29.0	49.0	10.7	10.7	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	19.1	19.1	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/1/2009
Weather & Ambient Temperature	Fine, 20C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	17:21-17;24							
Water Depth (m)	17.0							
Monitoring Depth (m)	1.0		8.5		16.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	21.8	21.8	21.8	21.8	21.7	21.7	21.76	-
Salinity (ppt)	34.0	34.0	34.0	34.1	34.1	34.1	34.06	-
pH	8.4	8.4	8.4	8.4	8.4	8.4	8.40	
D.O. Saturation (%)	83.3	83.8	82.9	82.4	83.6	83.8	83.30	-
D.O. (mg/L)	6.0	6.0	6.0	5.9	6.0	6.1	6.01	6.04
Turbidity (NTU)	5.4	5.4	6.3	6.7	8.3	8.0	6.68	-
SS (mg/L)	13.0	11.0	10.0	12.0	14.0	13.0	12.17	-
Remarks	Dredger was in operation.							

Station	IMO5						**Co-ordinates**	
Time (hh:mm)	16:56-16:59						Northing	Easting
Water Depth (m)	22.8						22.2.602	113.55.026
Monitoring Depth (m)	1.0		11.4		21.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	23.5	23.5	22.5	22.5	22.0	22.0	22.66	-
Salinity (ppt)	33.6	33.6	33.7	33.8	33.8	33.8	33.72	-
pH	8.4	8.4	8.4	8.4	8.4	8.4	8.39	
D.O. Saturation (%)	87.6	89.0	84.7	83.0	85.5	85.4	85.87	-
D.O. (mg/L)	6.2	6.2	6.0	6.0	6.2	6.1	6.11	6.15
Turbidity (NTU)	9.5	9.8	10.5	10.2	11.8	12.2	10.67	-
SS (mg/L)	17.0	15.0	16.0	15.0	14.0	11.0	14.67	-
Remarks	Dredger was in operation.							

Station	C3 (NM6)							
Time (hh:mm)	15:56-15:58							
Water Depth (m)	6.4							
Monitoring Depth (m)	1.0		3.2		5.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	21.8	21.8	21.8	21.8	21.8	21.9	21.82	-
Salinity (ppt)	33.9	33.8	33.9	34.0	34.2	34.2	33.99	-
pH	8.4	8.4	8.4	8.4	8.4	8.4	8.42	
D.O. Saturation (%)	83.4	83.1	84.2	84.3	85.0	84.9	84.15	-
D.O. (mg/L)	6.0	6.0	6.1	6.1	6.1	6.1	6.08	6.13
Turbidity (NTU)	9.2	9.2	9.6	9.7	11.1	10.5	9.88	-
SS (mg/L)	17.0	16.0	17.0	14.0	16.0	14.0	15.67	-
Remarks	Dredger was in operation.							

Station	IMO6						**Co-ordinates**	
Time (hh:mm)	17;05-17:10						Northing	Easting
Water Depth (m)	18.4						22.21.605	113.55.681
Monitoring Depth (m)	1.0		9.2		17.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	22.1	22.1	22.0	22.0	21.9	21.9	22.00	-
Salinity (ppt)	33.8	33.8	33.9	33.9	33.9	33.9	33.85	-
pH	8.4	8.4	8.4	8.4	8.4	8.4	8.40	
D.O. Saturation (%)	84.4	84.8	83.7	83.8	84.8	85.1	84.43	-
D.O. (mg/L)	6.1	6.1	6.0	6.0	6.1	6.1	6.06	6.10
Turbidity (NTU)	5.5	5.4	6.1	6.3	6.8	7.1	6.20	-
SS (mg/L)	12.0	11.0	16.0	15.0	18.0	16.0	14.67	-
Remarks	Dredger was in operation.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB1							
Time (hh:mm)	16:24-16:26							
Water Depth (m)	8.0							
Monitoring Depth (m)	1.0		4.0		7.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	21.9	21.9	21.8	21.8	21.8	21.8	21.86	-
Salinity (ppt)	32.7	32.7	32.8	32.8	33.1	33.1	32.89	-
pH	8.4	8.4	8.4	8.4	8.4	8.4	8.38	
D.O. Saturation (%)	81.8	81.1	81.9	82.2	82.9	83.2	82.18	-
D.O. (mg/L)	5.9	5.9	5.9	6.0	6.0	6.0	5.94	6.00
Turbidity (NTU)	7.2	7.2	8.3	8.3	8.8	8.7	8.08	-
SS (mg/L)	13.0	12.0	12.0	11.0	11.0	12.0	11.83	-
Remarks	Dredger was in operation.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB2							
Time (hh:mm)	16:13-16:15							
Water Depth (m)	8.6							
Monitoring Depth (m)	1.0		4.3		7.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	21.9	21.9	21.8	21.8	21.8	21.8	21.82	-
Salinity (ppt)	33.6	33.5	33.7	33.6	33.2	33.5	33.52	-
pH	8.4	8.4	8.4	8.4	8.4	8.4	8.41	
D.O. Saturation (%)	82.8	82.2	83.2	82.3	83.4	82.8	82.78	-
D.O. (mg/L)	6.0	5.9	6.0	6.0	6.1	6.0	5.99	6.03
Turbidity (NTU)	8.2	8.4	9.5	9.2	10.3	10.2	9.30	-
SS (mg/L)	10.0	12.0	12.0	11.0	13.0	10.0	11.33	-
Remarks	Dredger was in operation.							

Station	IMO3						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MP							
Time (hh:mm)	16:34-16:36							
Water Depth (m)	5.1							
Monitoring Depth (m)	1.0		2.6		4.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	21.8	21.9	21.8	21.8	21.8	21.8	21.83	-
Salinity (ppt)	32.7	32.7	32.8	32.8	32.9	33.0	32.83	-
pH	8.3	8.3	8.3	8.3	8.3	8.3	8.27	
D.O. Saturation (%)	80.3	80.7	80.2	80.5	80.8	81.0	80.58	-
D.O. (mg/L)	5.8	5.9	5.8	5.8	5.9	5.9	5.84	5.87
Turbidity (NTU)	10.5	10.4	11.4	11.5	12.4	12.7	11.48	-
SS (mg/L)	11.0	10.0	10.0	9.0	11.0	11.0	10.33	-
Remarks	Dredger was in operation.							

Station	IMO4						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**Mean C1&C3 OR (Mean C1&C3)*130%**		IMO1		IMO2		IMO3		IMO4		IMO5		IMO6		MPB1		MPB2		MP	
	Action Level	**Limit Level**	**Action Level**	**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**	**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**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**
DO (Bottom)	3.3	2.5	6.1	6.1	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	4.2	4.0	6.0	6.0	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	29.0	49.0	10.8	10.8	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	18.1	18.1	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/2/2009
Weather & Ambient Temperature	Fine, 23C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	12:29-12:31							
Water Depth (m)	20.0							
Monitoring Depth (m)	1.0		10.0		19.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.9	21.9	22.0	22.0	22.0	22.0	21.98	-
Salinity (ppt)	34.6	34.6	34.7	34.7	35.0	35.1	34.77	-
pH	8.5	8.4	8.5	8.4	8.5	8.4	8.44	
D.O. Saturation (%)	87.0	86.6	83.9	83.7	87.4	82.0	85.10	-
D.O. (mg/L)	5.5	5.5	5.3	5.3	5.5	5.1	5.35	5.31
Turbidity (NTU)	6.8	7.5	14.3	13.8	15.5	14.9	12.13	-
SS (mg/L)	11.0	12.0	10.0	13.0	12.0	10.0	11.33	-
Remarks	Dredger was in operation.							

Station	IMO5						**Co-ordinates**	
Time (hh:mm)	12:42-12:43						Northing	Easting
Water Depth (m)	13.6						22.21.641	113.54.506
Monitoring Depth (m)	1.0		6.8		12.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.0	22.0	22.0	22.0	22.0	22.0	22.02	-
Salinity (ppt)	34.7	34.7	34.7	34.7	34.8	34.8	34.73	-
pH	8.5	8.4	8.4	8.5	8.4	8.5	8.45	
D.O. Saturation (%)	85.0	84.3	83.7	84.8	84.0	85.1	84.48	-
D.O. (mg/L)	5.4	5.3	5.3	5.3	5.3	5.3	5.31	5.31
Turbidity (NTU)	8.7	8.5	14.0	13.6	14.5	15.1	12.40	-
SS (mg/L)	8.0	9.0	9.0	9.0	17.0	17.0	11.50	-
Remarks	Dredger was in operation.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								-
Remarks								

Station	IMO6						**Co-ordinates**	
Time (hh:mm)	12:53-12:54						Northing	Easting
Water Depth (m)	10.8						22.21.166	113.54.877
Monitoring Depth (m)	1.0		5.4		9.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.9	21.9	22.0	22.0	22.0	22.0	21.97	-
Salinity (ppt)	34.3	34.2	34.7	34.9	35.1	34.3	34.59	-
pH	8.4	8.5	8.5	8.4	8.4	8.4	8.44	
D.O. Saturation (%)	83.7	85.3	84.1	80.5	86.0	81.4	83.50	-
D.O. (mg/L)	5.3	5.4	5.3	5.0	5.4	5.1	5.25	5.26
Turbidity (NTU)	9.4	9.4	13.8	13.9	15.2	14.8	12.75	-
SS (mg/L)	10.0	10.0	9.0	9.0	9.0	9.0	9.33	-
Remarks	Dredger was in operation.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								-
Remarks								

Station	MPB1							
Time (hh:mm)	11:57-11;58							
Water Depth (m)	8.0							
Monitoring Depth (m)	1.0		4.0		7.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.9	21.9	21.9	21.9	21.8	21.9	21.87	-
Salinity (ppt)	32.1	32.1	32.2	32.2	32.4	32.6	32.27	-
pH	8.4	8.4	8.4	8.4	8.3	8.4	8.35	
D.O. Saturation (%)	84.9	85.3	85.4	84.8	87.1	85.6	85.52	-
D.O. (mg/L)	5.6	5.6	5.6	5.5	5.7	5.6	5.58	5.64
Turbidity (NTU)	9.8	10.4	9.9	9.9	13.2	12.9	11.02	-
SS (mg/L)	10.0	11.0	9.0	9.0	10.0	9.0	9.67	-
Remarks	Dredger was in operation.							

Station	IMO3						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								-
Remarks								

Station	MPB2							
Time (hh:mm)	11:45-11:46							
Water Depth (m)	7.8							
Monitoring Depth (m)	1.0		3.9		6.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.8	21.8	21.9	21.8	21.9	21.8	21.84	-
Salinity (ppt)	31.6	31.5	31.8	31.8	32.6	32.8	32.02	-
pH	8.4	8.4	8.4	8.3	8.3	8.4	8.35	
D.O. Saturation (%)	85.9	85.5	86.1	84.6	85.0	86.0	85.52	-
D.O. (mg/L)	5.6	5.6	5.6	5.5	5.5	5.6	5.60	5.58
Turbidity (NTU)	7.3	7.4	7.3	7.6	8.9	8.3	7.80	-
SS (mg/L)	10.0	9.0	12.0	10.0	11.0	12.0	10.67	-
Remarks	Dredger was in operation.							

Station	IMO4						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								-
Remarks								

Station	MP							
Time (hh:mm)	12:10-12:11							
Water Depth (m)	5.1							
Monitoring Depth (m)	1.0		2.6		4.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.9	21.8	21.9	21.8	21.9	21.8	21.84	-
Salinity (ppt)	31.9	31.8	31.9	31.8	31.9	31.8	31.86	-
pH	8.4	8.4	8.4	8.3	8.4	8.3	8.35	
D.O. Saturation (%)	84.1	83.9	84.0	84.8	84.0	84.8	84.27	-
D.O. (mg/L)	5.5	5.5	5.5	5.6	5.5	5.6	5.51	5.52
Turbidity (NTU)	7.9	8.3	10.6	9.8	10.6	9.8	9.50	-
SS (mg/L)	16.0	14.0	10.0	11.0	10.0	12.0	12.17	-
Remarks	Dredger was in operation.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C2 Mean**		**IMO1**		**IMO2**		**IMO3**		**IMO4**		**IMO5**		**IMO6**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**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**	**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**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**
DO (Bottom)	3.3	2.5	5.3	5.3	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	4.2	4.0	5.3	5.3	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	29.0	49.0	15.8	15.8	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	14.7	14.7	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/2/2009
Weather & Ambient Temperature	Sunny, 19C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	7:00-7:02							
Water Depth (m)	16.0							
Monitoring Depth (m)	1.0		8.0		15.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.1	21.1	21.1	21.0	21.0	21.0	21.06	-
Salinity (ppt)	33.9	34.0	34.0	34.1	32.5	33.9	33.74	-
pH	8.5	8.5	8.5	8.5	8.5	8.5	8.54	
D.O. Saturation (%)	92.2	93.8	92.4	92.2	92.1	95.0	92.95	-
D.O. (mg/L)	6.0	6.1	6.0	6.0	6.1	6.2	6.07	6.14
Turbidity (NTU)	7.6	7.5	8.7	8.3	10.2	10.5	8.80	-
SS (mg/L)	15.0	13.0	17.0	16.0	12.0	11.0	14.00	-
Remarks	Dredger was in operation.							

Station	IMO5						**Co-ordinates**	
Time (hh:mm)	7:31-7:32						Northing	Easting
Water Depth (m)	14.0						22.21.635	113.54.511
Monitoring Depth (m)	1.0		7.0		13.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.8	21.8	21.8	21.9	21.9	21.9	21.84	-
Salinity (ppt)	34.2	34.2	34.2	32.8	34.3	34.3	34.00	-
pH	8.4	8.4	8.4	8.4	8.4	8.4	8.40	
D.O. Saturation (%)	79.3	79.2	79.3	79.2	79.4	79.3	79.28	-
D.O. (mg/L)	5.6	5.6	5.6	5.6	5.6	5.6	5.58	5.58
Turbidity (NTU)	10.4	9.8	10.8	10.3	12.6	12.8	11.12	-
SS (mg/L)	10.0	10.0	10.0	8.0	11.0	9.0	9.67	-
Remarks	Dredger was in operation.							

Station	C3 (NM6)							
Time (hh:mm)	8:22-8:23							
Water Depth (m)	7.0							
Monitoring Depth (m)	1.0		3.5		6.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.9	21.9	21.9	21.9	21.8	21.8	21.86	-
Salinity (ppt)	34.1	33.6	33.6	34.1	34.0	34.0	33.89	-
pH	8.5	8.5	8.5	8.5	8.4	8.5	8.45	
D.O. Saturation (%)	91.3	94.8	95.3	93.0	97.8	94.0	94.37	-
D.O. (mg/L)	6.7	7.0	7.0	6.8	7.2	6.9	6.94	7.06
Turbidity (NTU)	12.1	11.6	11.8	12.8	11.7	11.5	11.92	-
SS (mg/L)	10.0	11.0	10.0	10.0	10.0	10.0	10.17	-
Remarks	Dredger was in operation.							

Station	IMO6						**Co-ordinates**	
Time (hh:mm)	7:20-7:22						Northing	Easting
Water Depth (m)	11.4						22.21.167	113.54.873
Monitoring Depth (m)	1.0		5.7		10.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.8	21.8	21.9	21.9	21.9	21.9	21.85	-
Salinity (ppt)	34.2	34.2	33.8	34.2	34.3	34.2	34.14	-
pH	8.4	8.4	8.4	8.4	8.4	8.4	8.40	
D.O. Saturation (%)	83.2	83.6	83.3	83.6	83.3	83.7	83.45	-
D.O. (mg/L)	5.9	5.9	5.9	5.9	5.9	5.9	5.87	5.87
Turbidity (NTU)	9.3	10.3	12.6	13.3	13.3	13.8	12.10	-
SS (mg/L)	12.0	10.0	11.0	11.0	11.0	10.0	10.83	-
Remarks	Dredger was in operation.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								-
Remarks								

Station	MPB1							
Time (hh:mm)	7:58-7:59							
Water Depth (m)	8.2							
Monitoring Depth (m)	1.0		4.1		7.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.2	21.1	21.1	21.2	21.1	21.1	21.16	-
Salinity (ppt)	33.9	33.9	33.9	30.3	34.0	34.0	33.32	-
pH	8.4	8.4	8.4	8.4	8.4	8.4	8.42	
D.O. Saturation (%)	80.6	80.9	81.2	81.0	81.1	80.9	80.95	-
D.O. (mg/L)	5.8	5.9	5.9	6.0	5.9	5.9	5.89	5.88
Turbidity (NTU)	15.5	16.0	15.0	14.6	14.5	13.7	14.88	-
SS (mg/L)	10.0	11.0	11.0	9.0	11.0	12.0	10.67	-
Remarks	Dredger was in operation.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								-
Remarks								

Station	MPB2							
Time (hh:mm)	8:07-8:08							
Water Depth (m)	8.4							
Monitoring Depth (m)	1.0		4.2		7.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.2	21.2	21.1	21.1	21.1	21.1	21.14	-
Salinity (ppt)	32.8	33.9	34.0	32.0	33.9	34.0	33.43	-
pH	8.4	8.4	8.4	8.4	8.4	8.4	8.42	
D.O. Saturation (%)	81.3	81.6	82.0	81.3	81.5	82.1	81.63	-
D.O. (mg/L)	5.9	5.9	6.0	6.0	5.9	6.0	5.94	5.94
Turbidity (NTU)	14.6	14.6	14.3	14.6	17.0	17.8	15.48	-
SS (mg/L)	9.0	10.0	12.0	14.0	11.0	12.0	11.33	-
Remarks	Dredger was in operation.							

Station	IMO3						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								-
Remarks								

Station	MP							
Time (hh:mm)	7:43-7:42							
Water Depth (m)	5.0							
Monitoring Depth (m)	1.0		2.5		4.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.5	21.5	21.4	21.5	21.5	21.4	21.47	-
Salinity (ppt)	33.6	33.6	33.5	33.5	33.5	33.5	33.52	-
pH	8.3	8.3	8.3	8.3	8.3	8.3	8.26	
D.O. Saturation (%)	80.5	80.8	81.5	81.5	80.7	81.5	81.08	-
D.O. (mg/L)	5.8	5.9	5.9	5.9	5.8	5.9	5.87	5.87
Turbidity (NTU)	12.1	12.5	12.9	12.9	12.2	12.9	12.58	-
SS (mg/L)	12.0	12.0	10.0	10.0	10.0	10.0	10.67	-
Remarks	Dredger was in operation.							

Station	IMO4						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								-
Remarks								

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C1 & C3 Mean**		**IMO1**		**IMO2**		**IMO3**		**IMO4**		**IMO5**		**IMO6**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**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**	**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**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**
DO (Bottom)	3.3	2.5	6.6	6.6	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	4.2	4.0	6.5	6.5	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	29.0	49.0	13.5	13.5	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	15.7	15.7	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/3/2009
Weather & Ambient Temperature	Sunny, 20C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	13:33-13:35							
Water Depth (m)	20.6							
Monitoring Depth (m)	1.0		10.3		19.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.4	21.4	21.4	21.4	21.4	21.4	21.35	-
Salinity (ppt)	33.2	33.2	33.2	33.2	33.3	33.3	33.22	-
pH	8.5	8.5	8.5	8.5	8.5	8.5	8.52	
D.O. Saturation (%)	75.8	75.7	75.4	75.4	76.0	76.2	75.75	-
D.O. (mg/L)	5.6	5.5	5.5	5.5	5.6	5.6	5.54	5.57
Turbidity (NTU)	30.2	30.9	33.6	33.3	38.4	37.9	34.05	-
SS (mg/L)	39.0	36.0	41.0	38.0	42.0	41.0	39.50	-
Remarks	Dredger was in operation.							

Station	IMO5						**Co-ordinates**	
Time (hh:mm)	13:17-13:19						Northing	Easting
Water Depth (m)	13.6						22.22.058	113.54.360
Monitoring Depth (m)	1.0		6.8		12.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.7	21.7	21.7	21.7	21.7	21.7	21.69	-
Salinity (ppt)	33.8	33.8	33.8	33.8	33.8	33.8	33.79	-
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.57	
D.O. Saturation (%)	78.2	78.7	78.3	78.5	78.3	79.1	78.52	-
D.O. (mg/L)	5.7	5.7	5.7	5.7	5.7	5.7	5.69	5.70
Turbidity (NTU)	34.7	35.9	39.3	38.9	44.1	43.8	39.45	-
SS (mg/L)	47.0	42.0	44.0	41.0	44.0	43.0	43.50	-
Remarks	Dredger was in operation.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	IMO6						**Co-ordinates**	
Time (hh:mm)	13:06-13:09						Northing	Easting
Water Depth (m)	11.6						22.21.062	113.54.911
Monitoring Depth (m)	1.0		5.8		10.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.6	21.6	21.6	21.6	21.7	21.7	21.65	-
Salinity (ppt)	33.9	33.9	33.9	33.9	33.9	34.0	33.90	-
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.62	
D.O. Saturation (%)	77.0	76.5	77.3	77.7	78.5	78.0	77.50	-
D.O. (mg/L)	5.6	5.6	5.6	5.6	5.7	5.7	5.62	5.67
Turbidity (NTU)	18.6	19.3	24.6	23.2	28.4	27.5	23.60	-
SS (mg/L)	37.0	41.0	38.0	49.0	40.0	44.0	41.50	-
Remarks	Dredger was in operation.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB1							
Time (hh:mm)	12:38-12:40							
Water Depth (m)	7.6							
Monitoring Depth (m)	1.0		3.8		6.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.4	21.4	21.5	21.5	21.5	21.5	21.45	-
Salinity (ppt)	33.5	33.5	33.4	33.4	33.4	33.4	33.42	-
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.61	
D.O. Saturation (%)	75.3	75.2	74.1	74.5	75.6	75.7	75.07	-
D.O. (mg/L)	5.5	5.5	5.4	5.4	5.5	5.5	5.48	5.52
Turbidity (NTU)	34.8	35.4	37.0	37.6	41.4	40.6	37.80	-
SS (mg/L)	78.0	74.0	70.0	75.0	70.0	72.0	73.17	-
Remarks	Dredger was in operation.							

Station	IMO3						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB2							
Time (hh:mm)	12:26-12:29							
Water Depth (m)	8.2							
Monitoring Depth (m)	1.0		4.1		7.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.5	21.5	21.5	21.5	21.4	21.5	21.47	-
Salinity (ppt)	33.7	33.7	33.7	33.7	33.8	33.7	33.70	-
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.63	
D.O. Saturation (%)	76.4	76.9	76.0	76.4	77.4	77.7	76.80	-
D.O. (mg/L)	5.6	5.6	5.5	5.6	5.6	5.7	5.59	5.64
Turbidity (NTU)	19.6	18.8	21.4	20.9	25.6	25.3	21.93	-
SS (mg/L)	40.0	39.0	48.0	41.0	42.0	39.0	41.50	-
Remarks	Dredger was in operation.							

Station	IMO4						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MP							
Time (hh:mm)	12:48-12:50							
Water Depth (m)	4.9							
Monitoring Depth (m)	1.0		2.5		3.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.4	21.4	21.4	21.4	21.4	21.5	21.43	-
Salinity (ppt)	33.1	33.2	33.2	33.1	33.2	33.2	33.15	-
pH	8.5	8.6	8.6	8.5	8.5	8.5	8.54	
D.O. Saturation (%)	77.6	77.1	77.4	78.0	78.4	79.1	77.93	-
D.O. (mg/L)	5.7	5.6	5.7	5.7	5.7	5.8	5.70	5.76
Turbidity (NTU)	30.1	30.5	31.4	31.9	33.2	33.7	31.80	-
SS (mg/L)	47.0	44.0	44.0	40.0	43.0	41.0	43.17	-
Remarks	Dredger was in operation.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C2 Mean**		**IMO1**		**IMO2**		**IMO3**		**IMO4**		**IMO5**		**IMO6**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**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**	**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**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**
DO (Bottom)	3.3	2.5	5.6	5.6	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	4.2	4.0	5.5	5.5	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	29.0	49.0	44.3	44.3	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	51.4	51.4	-	-	-	-	-	-	-	-	N	N	N	N	Y	Y	N	N	N	N

Sampling Date	12/3/2009
Weather & Ambient Temperature	Fine, 16C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	8:09-8:11							
Water Depth (m)	16.8							
Monitoring Depth (m)	1.0		8.4		15.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.6	21.6	21.7	21.7	21.7	21.7	21.66	-
Salinity (ppt)	33.8	33.8	33.8	33.8	33.7	33.7	33.77	-
pH	8.6	8.6	8.6	8.6	8.5	8.5	8.55	
D.O. Saturation (%)	82.1	82.6	82.1	83.2	83.7	84.1	82.97	-
D.O. (mg/L)	5.9	6.0	5.9	6.0	6.0	6.1	6.00	6.06
Turbidity (NTU)	8.8	9.0	11.4	11.3	14.0	13.7	11.37	-
SS (mg/L)	22.0	20.0	21.0	19.0	20.0	20.0	20.33	-
Remarks	Dredger was in operation.							

Station	IMO5						**Co-ordinates**	
Time (hh:mm)	8:35-8:38						Northing	Easting
Water Depth (m)	14.2						22.22.051	113.54.351
Monitoring Depth (m)	1.0		7.1		13.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.5	21.5	21.5	21.5	21.6	21.6	21.53	-
Salinity (ppt)	33.6	33.6	33.5	33.6	33.5	33.5	33.56	-
pH	8.5	8.5	8.5	8.5	8.5	8.5	8.49	
D.O. Saturation (%)	76.2	76.4	75.9	76.4	76.8	76.6	76.38	-
D.O. (mg/L)	5.5	5.6	5.5	5.5	5.6	5.6	5.54	5.56
Turbidity (NTU)	30.9	30.3	33.0	32.2	37.9	37.1	33.57	-
SS (mg/L)	40.0	41.0	39.0	43.0	37.0	41.0	40.17	-
Remarks	Dredger was in operation.							

Station	C3 (NM6)							
Time (hh:mm)	9:29-9:32							
Water Depth (m)	6.6							
Monitoring Depth (m)	1.0		3.3		5.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.3	21.3	21.3	21.3	21.3	21.2	21.28	-
Salinity (ppt)	34.2	34.2	34.1	34.1	34.1	34.1	34.12	-
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.63	
D.O. Saturation (%)	80.9	80.4	79.5	80.0	80.9	80.5	80.37	-
D.O. (mg/L)	5.9	5.8	5.8	5.8	5.9	5.8	5.83	5.87
Turbidity (NTU)	11.7	11.0	13.6	13.0	15.8	16.3	13.57	-
SS (mg/L)	25.0	22.0	25.0	22.0	24.0	21.0	23.17	-
Remarks	Dredger was in operation.							

Station	IMO6						**Co-ordinates**	
Time (hh:mm)	8:25-8:28						Northing	Easting
Water Depth (m)	12.0						22.21.073	113.54.902
Monitoring Depth (m)	1.0		6.0		11.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.5	21.5	21.6	21.6	21.6	21.6	21.58	-
Salinity (ppt)	33.7	33.7	33.7	33.7	33.7	33.8	33.70	-
pH	8.5	8.5	8.5	8.4	8.4	8.4	8.44	
D.O. Saturation (%)	78.9	79.3	80.0	79.5	80.2	80.7	79.77	-
D.O. (mg/L)	5.7	5.8	5.8	5.8	5.8	5.8	5.78	5.82
Turbidity (NTU)	21.8	21.8	27.2	26.5	29.4	30.1	26.13	-
SS (mg/L)	29.0	30.0	34.0	35.0	39.0	35.0	33.67	-
Remarks	Dredger was in operation.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB1							
Time (hh:mm)	9:03-9:06							
Water Depth (m)	8.0							
Monitoring Depth (m)	1.0		4.0		7.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.3	21.3	21.3	21.3	21.3	21.3	21.29	-
Salinity (ppt)	33.2	33.2	33.1	33.1	33.1	33.1	33.12	-
pH	8.5	8.5	8.5	8.5	8.5	8.5	8.51	
D.O. Saturation (%)	76.7	77.0	76.4	76.5	77.3	77.6	76.92	-
D.O. (mg/L)	5.6	5.6	5.6	5.6	5.6	5.7	5.61	5.65
Turbidity (NTU)	38.0	37.6	40.2	40.9	44.1	43.7	40.75	-
SS (mg/L)	72.0	67.0	73.0	71.0	54.0	59.0	66.00	-
Remarks	Dredger was in operation.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB2							
Time (hh:mm)	9:15-9:17							
Water Depth (m)	8.6							
Monitoring Depth (m)	1.0		4.3		7.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.4	21.4	21.4	21.4	21.4	21.4	21.36	-
Salinity (ppt)	33.5	33.6	33.5	33.5	33.5	33.5	33.52	-
pH	8.5	8.5	8.5	8.5	8.5	8.5	8.53	
D.O. Saturation (%)	75.9	76.2	75.7	75.4	76.3	76.5	76.00	-
D.O. (mg/L)	5.5	5.6	5.5	5.5	5.6	5.6	5.53	5.56
Turbidity (NTU)	28.2	28.6	29.6	30.2	33.0	31.7	30.22	-
SS (mg/L)	44.0	39.0	40.0	41.0	43.0	41.0	41.33	-
Remarks	Dredger was in operation.							

Station	IMO3						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MP							
Time (hh:mm)	8:47-8:50							
Water Depth (m)	5.2							
Monitoring Depth (m)	1.0		2.6		4.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.4	21.4	21.5	21.5	21.5	21.5	21.45	-
Salinity (ppt)	33.3	33.3	33.3	33.3	33.3	33.3	33.30	-
pH	8.5	8.5	8.5	8.5	8.5	8.4	8.47	
D.O. Saturation (%)	75.4	75.1	74.4	74.7	75.7	75.7	75.17	-
D.O. (mg/L)	5.5	5.5	5.4	5.4	5.5	5.5	5.47	5.51
Turbidity (NTU)	30.3	29.2	33.2	33.6	37.4	38.5	33.70	-
SS (mg/L)	39.0	36.0	40.0	38.0	40.0	43.0	39.33	-
Remarks	Dredger was in operation.							

Station	IMO4						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C1 & C3 Mean**		**IMO1**		**IMO2**		**IMO3**		**IMO4**		**IMO5**		**IMO6**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**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**	**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**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**
DO (Bottom)	3.3	2.5	6.0	6.0	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	4.2	4.0	5.9	5.9	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	29.0	49.0	16.2	16.2	-	-	-	-	-	-	-	-	Y	N	N	N	Y	N	Y	N	Y	N
SS (Depth-averaged)	24.0	37.0	28.3	28.3	-	-	-	-	-	-	-	-	Y	Y	Y	N	Y	Y	Y	Y	Y	Y

Sampling Date	12/4/2009
Weather & Ambient Temperature	Fine, 21C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	14:10-14:12							
Water Depth (m)	20.2							
Monitoring Depth (m)	1.0		10.1		19.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.5	22.5	22.5	22.5	22.6	22.6	22.52	-
Salinity (ppt)	34.8	34.8	35.0	34.9	34.3	34.2	34.67	-
pH	8.7	8.7	8.7	8.6	8.6	8.7	8.65	
D.O. Saturation (%)	85.3	84.9	82.2	82.0	80.3	85.7	83.40	-
D.O. (mg/L)	5.4	5.4	5.2	5.2	5.0	5.4	5.27	5.23
Turbidity (NTU)	21.8	22.5	29.3	28.8	29.9	30.5	27.13	-
SS (mg/L)	17.0	18.0	18.0	20.0	18.0	19.0	18.33	-
Remarks	Dredger was in operation.							

Station	IMO5						**Co-ordinates**	
Time (hh:mm)	14:23-14:24						Northing	Easting
Water Depth (m)	15.0						22.21.652	113.54.441
Monitoring Depth (m)	1.0		7.5		14.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.6	22.6	22.6	22.6	22.6	22.6	22.56	-
Salinity (ppt)	34.9	35.0	35.0	35.0	35.0	35.0	34.96	-
pH	8.7	8.7	8.6	8.7	8.6	8.7	8.66	
D.O. Saturation (%)	83.3	82.6	82.0	83.1	82.3	83.4	82.78	-
D.O. (mg/L)	5.3	5.2	5.2	5.3	5.2	5.3	5.23	5.23
Turbidity (NTU)	23.7	23.5	29.0	28.6	29.5	30.1	27.40	-
SS (mg/L)	18.0	15.0	17.0	16.0	17.0	16.0	16.50	-
Remarks	Dredger was in operation.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	IMO6						**Co-ordinates**	
Time (hh:mm)	14:34-14;35						Northing	Easting
Water Depth (m)	11.0						22.21.172	113.54.611
Monitoring Depth (m)	1.0		5.5		10.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.5	22.4	22.5	22.6	22.6	22.6	22.51	-
Salinity (ppt)	34.6	34.5	35.0	34.1	34.5	34.3	34.48	-
pH	8.6	8.7	8.7	8.6	8.6	8.7	8.65	
D.O. Saturation (%)	82.0	83.6	82.4	78.8	79.7	84.3	81.80	-
D.O. (mg/L)	5.2	5.3	5.2	5.0	5.0	5.3	5.17	5.18
Turbidity (NTU)	24.4	24.4	28.8	28.9	29.8	30.2	27.75	-
SS (mg/L)	16.0	19.0	17.0	17.0	20.0	18.0	17.83	-
Remarks	Dredger was in operation.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB1							
Time (hh:mm)	13:38-13:39							
Water Depth (m)	9.0							
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.4	22.4	22.4	22.4	22.4	22.4	22.41	-
Salinity (ppt)	32.3	32.4	32.5	32.4	32.6	32.9	32.50	-
pH	8.6	8.6	8.6	8.6	8.5	8.6	8.56	
D.O. Saturation (%)	83.2	83.6	83.7	83.1	85.4	83.9	83.82	-
D.O. (mg/L)	5.5	5.5	5.5	5.5	5.6	5.5	5.50	5.56
Turbidity (NTU)	24.8	25.4	24.9	24.9	28.2	27.9	26.02	-
SS (mg/L)	19.0	21.0	16.0	16.0	14.0	16.0	17.00	-
Remarks	Dredger was in operation.							

Station	IMO3						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB2							
Time (hh:mm)	13:26-13:27							
Water Depth (m)	9.2							
Monitoring Depth (m)	1.0		4.6		8.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.4	22.3	22.4	22.4	22.4	22.4	22.38	-
Salinity (ppt)	31.9	31.7	32.0	32.0	32.8	33.0	32.25	-
pH	8.6	8.6	8.5	8.6	8.5	8.6	8.56	
D.O. Saturation (%)	84.2	83.8	82.9	84.4	83.3	84.3	83.82	-
D.O. (mg/L)	5.6	5.5	5.5	5.6	5.5	5.5	5.52	5.50
Turbidity (NTU)	22.3	22.4	22.6	22.3	23.9	23.3	22.80	-
SS (mg/L)	19.0	16.0	17.0	17.0	17.0	20.0	17.67	-
Remarks	Dredger was in operation.							

Station	IMO4						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MP							
Time (hh:mm)	13:51-13:52							
Water Depth (m)	5.0							
Monitoring Depth (m)	1.0		2.5		4.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.4	22.4	22.4	22.4	22.4	22.4	22.38	-
Salinity (ppt)	32.1	32.1	32.1	32.2	32.1	32.2	32.09	-
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.56	
D.O. Saturation (%)	82.4	82.2	83.1	82.3	83.1	82.3	82.57	-
D.O. (mg/L)	5.4	5.4	5.5	5.4	5.5	5.4	5.43	5.44
Turbidity (NTU)	22.9	23.3	24.8	25.6	24.8	25.6	24.50	-
SS (mg/L)	17.0	17.0	21.0	20.0	22.0	18.0	19.17	-
Remarks	Dredger was in operation.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C2 Mean**		**IMO1**		**IMO2**		**IMO3**		**IMO4**		**IMO5**		**IMO6**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**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**	**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**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**
DO (Bottom)	3.3	2.5	5.2	5.2	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	4.2	4.0	5.3	5.3	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	29.0	49.0	35.3	35.3	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	23.8	23.8	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/4/2009
Weather & Ambient Temperature	Sunny, 18C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	8:46-8:48							
Water Depth (m)	16.2							
Monitoring Depth (m)	1.0		8.1		15.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.7	21.7	21.6	21.6	21.6	21.6	21.60	-
Salinity (ppt)	34.2	34.2	34.3	34.2	32.7	34.2	33.97	-
pH	8.8	8.8	8.8	8.7	8.8	8.7	8.75	
D.O. Saturation (%)	90.5	92.1	90.5	90.7	90.4	93.3	91.25	-
D.O. (mg/L)	5.9	6.0	5.9	6.0	6.0	6.1	5.99	6.06
Turbidity (NTU)	22.6	22.5	23.3	23.7	25.2	25.5	23.80	-
SS (mg/L)	18.0	16.0	22.0	19.0	20.0	17.0	18.67	-
Remarks	Dredger was in operation.							

Station	IMO5								**Co-ordinates**	
Time (hh:mm)	9:17-9:18								Northing	Easting
Water Depth (m)	15.4								22.21.628	113.54.440
Monitoring Depth (m)	1.0		7.7		14.4					
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***		
Water Temperature (℃)	22.4	22.4	22.4	22.4	22.4	22.4	22.38	-		
Salinity (ppt)	34.5	34.5	34.4	33.1	34.5	34.5	34.23	-		
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.61			
D.O. Saturation (%)	77.6	77.5	77.6	77.5	77.7	77.6	77.58	-		
D.O. (mg/L)	5.5	5.5	5.5	5.5	5.5	5.5	5.50	5.50		
Turbidity (NTU)	25.4	24.8	25.8	25.3	27.6	27.8	26.12	-		
SS (mg/L)	17.0	18.0	18.0	18.0	18.0	19.0	18.00	-		
Remarks	Dredger was in operation.									

Station	C3 (NM6)							
Time (hh:mm)	10:08-10:09							
Water Depth (m)	7.2							
Monitoring Depth (m)	1.0		3.6		6.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.4	22.5	22.4	22.4	22.4	22.4	22.40	-
Salinity (ppt)	34.3	33.9	33.8	34.3	34.2	34.3	34.12	-
pH	8.7	8.7	8.7	8.7	8.7	8.7	8.66	
D.O. Saturation (%)	89.6	93.1	93.6	91.3	96.1	92.3	92.67	-
D.O. (mg/L)	6.6	6.9	6.9	6.8	7.1	6.8	6.86	6.98
Turbidity (NTU)	27.1	26.6	26.8	27.8	26.7	30.0	27.50	-
SS (mg/L)	15.0	18.0	18.0	17.0	19.0	16.0	17.17	-
Remarks	Dredger was in operation.							

Station	IMO6								**Co-ordinates**	
Time (hh:mm)	9:06-9:07								Northing	Easting
Water Depth (m)	11.1								22.21.172	113.54.806
Monitoring Depth (m)	1.0		5.6		10.1					
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***		
Water Temperature (℃)	22.4	22.4	22.4	22.4	22.4	22.4	22.39	-		
Salinity (ppt)	34.4	34.5	34.0	34.4	34.4	34.5	34.37	-		
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.61			
D.O. Saturation (%)	81.9	81.5	81.6	81.9	82.0	81.6	81.75	-		
D.O. (mg/L)	5.8	5.8	5.8	5.8	5.8	5.8	5.79	5.79		
Turbidity (NTU)	25.3	24.3	27.6	28.3	28.8	28.3	27.10	-		
SS (mg/L)	19.0	17.0	24.0	22.0	19.0	16.0	19.50	-		
Remarks	Dredger was in operation.									

Station	IMO1								**Co-ordinates**	
Time (hh:mm)									Northing	Easting
Water Depth (m)	-									
Monitoring Depth (m)	-		-		-					
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***		
Water Temperature (℃)	-	-	-	-	-	-	-	-		
Salinity (ppt)	-	-	-	-	-	-	-	-		
pH	-	-	-	-	-	-	-	-		
D.O. Saturation (%)	-	-	-	-	-	-	-	-		
D.O. (mg/L)	-	-	-	-	-	-	-	-		
Turbidity (NTU)	-	-	-	-	-	-	-	-		
SS (mg/L)										
Remarks										

Station	MPB1							
Time (hh:mm)	9:44-9:45							
Water Depth (m)	8.6							
Monitoring Depth (m)	1.0		4.3		7.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.8	21.7	21.7	21.7	21.7	21.7	21.70	-
Salinity (ppt)	34.2	34.2	34.1	30.5	34.2	34.2	33.55	-
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.63	
D.O. Saturation (%)	78.9	79.2	79.5	79.3	79.4	79.2	79.25	-
D.O. (mg/L)	5.8	5.8	5.8	5.9	5.8	5.8	5.81	5.80
Turbidity (NTU)	30.5	31.0	30.0	29.6	29.5	28.7	29.88	-
SS (mg/L)	17.0	20.0	17.0	18.0	15.0	15.0	17.00	-
Remarks	Dredger was in operation.							

Station	IMO2								**Co-ordinates**	
Time (hh:mm)									Northing	Easting
Water Depth (m)	-									
Monitoring Depth (m)	-		-		-					
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***		
Water Temperature (℃)	-	-	-	-	-	-	-	-		
Salinity (ppt)	-	-	-	-	-	-	-	-		
pH	-	-	-	-	-	-	-	-		
D.O. Saturation (%)	-	-	-	-	-	-	-	-		
D.O. (mg/L)	-	-	-	-	-	-	-	-		
Turbidity (NTU)	-	-	-	-	-	-	-	-		
SS (mg/L)										
Remarks										

Station	MPB2							
Time (hh:mm)	9:53-9:54							
Water Depth (m)	8.9							
Monitoring Depth (m)	1.0		4.5		7.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.7	21.7	21.7	21.7	21.7	21.7	21.68	-
Salinity (ppt)	33.1	34.1	34.2	32.2	34.1	34.2	33.66	-
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.63	
D.O. Saturation (%)	79.6	79.9	80.3	79.6	79.8	80.4	79.93	-
D.O. (mg/L)	5.9	5.8	5.9	5.9	5.8	5.9	5.86	5.86
Turbidity (NTU)	29.6	29.6	29.3	29.6	32.0	32.8	30.48	-
SS (mg/L)	20.0	18.0	17.0	20.0	14.0	16.0	17.50	-
Remarks	Dredger was in operation.							

Station	IMO3								**Co-ordinates**	
Time (hh:mm)									Northing	Easting
Water Depth (m)	-									
Monitoring Depth (m)	-		-		-					
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***		
Water Temperature (℃)	-	-	-	-	-	-	-	-		
Salinity (ppt)	-	-	-	-	-	-	-	-		
pH	-	-	-	-	-	-	-	-		
D.O. Saturation (%)	-	-	-	-	-	-	-	-		
D.O. (mg/L)	-	-	-	-	-	-	-	-		
Turbidity (NTU)	-	-	-	-	-	-	-	-		
SS (mg/L)										
Remarks										

Station	MP							
Time (hh:mm)	9:29-9:31							
Water Depth (m)	5.2							
Monitoring Depth (m)	1.0		2.6		4.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.1	22.0	21.9	22.1	22.1	22.0	22.01	-
Salinity (ppt)	33.8	33.8	33.7	33.7	33.8	33.7	33.75	-
pH	8.5	8.5	8.5	8.5	8.5	8.5	8.47	
D.O. Saturation (%)	78.8	79.1	79.8	79.8	79.0	79.8	79.38	-
D.O. (mg/L)	5.7	5.8	5.8	5.8	5.8	5.8	5.79	5.79
Turbidity (NTU)	27.1	27.5	27.9	27.9	27.2	27.9	27.58	-
SS (mg/L)	15.0	16.0	15.0	18.0	16.0	17.0	16.17	-
Remarks	Dredger was in operation.							

Station	IMO4								**Co-ordinates**	
Time (hh:mm)									Northing	Easting
Water Depth (m)	-									
Monitoring Depth (m)	-		-		-					
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***		
Water Temperature (℃)	-	-	-	-	-	-	-	-		
Salinity (ppt)	-	-	-	-	-	-	-	-		
pH	-	-	-	-	-	-	-	-		
D.O. Saturation (%)	-	-	-	-	-	-	-	-		
D.O. (mg/L)	-	-	-	-	-	-	-	-		
Turbidity (NTU)	-	-	-	-	-	-	-	-		
SS (mg/L)										
Remarks										

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C1 & C3 Mean**		**IMO1**		**IMO2**		**IMO3**		**IMO4**		**IMO5**		**IMO6**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**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**	**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**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**
DO (Bottom)	3.3	2.5	6.5	6.5	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	4.2	4.0	6.4	6.4	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	29.0	49.0	33.3	33.3	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	23.3	23.3	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/5/2009
Weather & Ambient Temperature	Sunny, 19C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	14:06-14:07							
Water Depth (m)	19.2							
Monitoring Depth (m)	1.0		9.6		18.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.1	21.1	21.1	21.1	21.1	21.1	21.09	-
Salinity (ppt)	34.0	33.9	33.9	34.0	34.0	33.9	33.94	-
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.59	
D.O. Saturation (%)	79.0	81.3	82.5	79.9	80.4	83.3	81.07	-
D.O. (mg/L)	5.8	5.9	6.0	5.8	5.9	6.1	5.92	5.97
Turbidity (NTU)	20.7	20.8	24.7	24.3	25.6	25.8	23.65	-
SS (mg/L)	39.0	44.0	39.0	45.0	50.0	58.0	45.83	-
Remarks	Dredger was in operation.							

Station	IMO5						**Co-ordinates**	
Time (hh:mm)	14:59-15:00						Northing	Easting
Water Depth (m)	14.4						22.21.641	113.54.402
Monitoring Depth (m)	1.0		7.2		13.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.1	21.0	21.1	21.0	21.1	21.1	21.06	-
Salinity (ppt)	34.0	34.0	34.0	34.0	34.1	34.0	34.02	-
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.57	
D.O. Saturation (%)	78.6	78.4	79.3	79.3	79.8	79.7	79.18	-
D.O. (mg/L)	5.7	5.7	5.8	5.8	5.8	5.8	5.78	5.82
Turbidity (NTU)	20.8	20.9	22.2	22.3	25.6	25.7	22.92	-
SS (mg/L)	45.0	40.0	44.0	50.0	52.0	56.0	47.83	-
Remarks	Dredger was in operation.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								-
Remarks								

Station	IMO6						**Co-ordinates**	
Time (hh:mm)	15:11-15:12						Northing	Easting
Water Depth (m)	13.0						22.21.230	113.54.813
Monitoring Depth (m)	1.0		6.5		12.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.1	21.1	21.1	21.1	21.1	21.1	21.12	-
Salinity (ppt)	34.2	34.2	34.3	34.2	34.3	34.4	34.24	-
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.58	
D.O. Saturation (%)	79.5	81.0	80.5	81.0	79.2	80.9	80.35	-
D.O. (mg/L)	5.8	5.9	5.9	5.9	5.8	5.9	5.85	5.83
Turbidity (NTU)	20.5	20.3	24.2	24.1	26.7	26.2	23.67	-
SS (mg/L)	40.0	37.0	32.0	28.0	32.0	33.0	33.67	-
Remarks	Dredger was in operation.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								-
Remarks								

Station	MPB1							
Time (hh:mm)	14:37-14:38							
Water Depth (m)	8.0							
Monitoring Depth (m)	1.0		4.0		7.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.2	21.2	21.2	21.2	21.2	21.2	21.19	-
Salinity (ppt)	33.4	33.4	33.5	33.4	33.5	33.4	33.41	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.13	
D.O. Saturation (%)	79.7	77.7	78.2	80.0	79.0	82.0	79.43	-
D.O. (mg/L)	5.8	5.7	5.7	5.8	5.8	6.0	5.80	5.89
Turbidity (NTU)	20.6	20.7	25.6	25.1	27.2	27.6	24.47	-
SS (mg/L)	17.0	20.0	20.0	18.0	19.0	17.0	18.50	-
Remarks	Dredger was in operation.							

Station	IMO3						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								-
Remarks								

Station	MPB2							
Time (hh:mm)	14:47-14:49							
Water Depth (m)	8.4							
Monitoring Depth (m)	1.0		4.2		7.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.1	21.1	21.0	21.0	21.0	21.0	21.04	-
Salinity (ppt)	33.8	33.8	33.9	33.9	33.9	33.9	33.85	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.16	
D.O. Saturation (%)	79.2	79.0	78.8	78.9	79.8	80.1	79.30	-
D.O. (mg/L)	5.8	5.8	5.8	5.8	5.8	5.9	5.80	5.84
Turbidity (NTU)	19.6	19.7	22.4	22.7	25.4	24.9	22.45	-
SS (mg/L)	22.0	20.0	21.0	18.0	23.0	22.0	21.00	-
Remarks	Dredger was in operation.							

Station	IMO4						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								-
Remarks								

Station	MP							
Time (hh:mm)	14:28-14:29							
Water Depth (m)	5.2							
Monitoring Depth (m)	1.0		2.6		4.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.1	21.1	21.0	21.0	21.0	21.0	21.02	-
Salinity (ppt)	33.3	33.3	33.3	33.3	33.3	33.3	33.31	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.09	
D.O. Saturation (%)	78.6	80.0	81.2	78.8	83.1	79.5	80.20	-
D.O. (mg/L)	5.8	5.9	6.0	5.8	6.1	5.8	5.88	5.97
Turbidity (NTU)	20.4	20.8	25.2	25.7	28.9	28.4	24.90	-
SS (mg/L)	26.0	25.0	22.0	24.0	25.0	24.0	24.33	-
Remarks	Dredger was in operation.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C2 Mean**		IMO1		IMO2		IMO3		IMO4		IMO5		IMO6		MPB1		MPB2		MP	
	Action Level	**Limit Level**	**Action Level**	**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**	**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**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**
DO (Bottom)	3.3	2.5	6.0	6.0	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	4.2	4.0	5.9	5.9	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	29.0	49.0	30.7	30.7	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	59.6	59.6	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/5/2009
Weather & Ambient Temperature	Sunny, 16C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	9:57-9:59							
Water Depth (m)	16.6							
Monitoring Depth (m)	1.0		8.3		15.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.4	21.4	21.3	21.4	21.3	21.4	21.35	-
Salinity (ppt)	34.2	34.3	34.3	34.3	34.2	34.3	34.26	-
pH	8.1	8.0	8.1	8.1	8.2	8.1	8.09	
D.O. Saturation (%)	84.9	82.8	85.5	83.9	86.3	84.2	84.60	-
D.O. (mg/L)	6.2	6.0	6.2	6.1	6.3	6.1	6.13	6.19
Turbidity (NTU)	23.1	23.2	26.9	26.4	28.0	28.3	25.98	-
SS (mg/L)	36.0	32.0	35.0	28.0	36.0	40.0	34.50	-
Remarks	Dredger was in operation.							

Station	IMO5								**Co-ordinates**	
Time (hh:mm)	10:26-10:27								Northing	Easting
Water Depth (m)	15.0								22.21.644	113.54.394
Monitoring Depth (m)	1.0		7.5		14.0					
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***		
Water Temperature (℃)	21.0	21.0	21.1	21.1	21.1	21.1	21.05	-		
Salinity (ppt)	34.0	34.0	34.0	34.0	34.1	34.1	34.04	-		
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.57			
D.O. Saturation (%)	78.4	79.2	79.1	79.1	79.4	79.4	79.10	-		
D.O. (mg/L)	5.7	5.8	5.8	5.8	5.8	5.8	5.77	5.80		
Turbidity (NTU)	22.4	22.2	24.2	23.8	25.2	26.1	23.98	-		
SS (mg/L)	43.0	42.0	39.0	43.0	46.0	44.0	42.83	-		
Remarks	Dredger was in operation.									

Station	C3 (NM6)							
Time (hh:mm)	11:12-11:14							
Water Depth (m)	6.8							
Monitoring Depth (m)	1.0		3.4		5.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.1	21.1	21.0	21.1	21.0	21.0	21.05	-
Salinity (ppt)	33.8	33.8	33.9	33.9	33.9	33.9	33.85	-
pH	8.3	8.2	8.3	8.3	8.3	8.3	8.25	
D.O. Saturation (%)	79.3	79.6	79.7	79.0	80.2	79.7	79.58	-
D.O. (mg/L)	5.8	5.8	5.8	5.8	5.9	5.8	5.81	5.85
Turbidity (NTU)	18.9	18.6	22.1	22.4	25.4	25.2	22.10	-
SS (mg/L)	23.0	26.0	20.0	22.0	16.0	19.0	21.00	-
Remarks	Dredger was in operation.							

Station	IMO6								**Co-ordinates**	
Time (hh:mm)	10:14-10:16								Northing	Easting
Water Depth (m)	13.4								22.21.233	113.54.802
Monitoring Depth (m)	1.0		6.7		12.4					
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***		
Water Temperature (℃)	21.1	21.1	21.1	21.1	21.1	21.1	21.08	-		
Salinity (ppt)	34.2	34.2	34.3	34.3	34.4	34.4	34.30	-		
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.57			
D.O. Saturation (%)	78.7	79.2	79.6	80.2	80.0	79.4	79.52	-		
D.O. (mg/L)	5.7	5.8	5.8	5.8	5.8	5.8	5.79	5.80		
Turbidity (NTU)	20.2	20.8	24.6	24.2	27.8	28.3	24.32	-		
SS (mg/L)	30.0	30.0	52.0	49.0	37.0	34.0	38.67	-		
Remarks	Dredger was in operation.									

Station	IMO1						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								-
Remarks								

Station	MPB1							
Time (hh:mm)	10:48-10:49							
Water Depth (m)	8.4							
Monitoring Depth (m)	1.0		4.2		7.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.2	21.2	21.2	21.2	21.2	21.2	21.20	-
Salinity (ppt)	33.4	33.4	33.5	33.5	33.5	33.5	33.48	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.11	
D.O. Saturation (%)	77.6	76.6	77.4	76.8	77.9	77.4	77.28	-
D.O. (mg/L)	5.7	5.6	5.7	5.6	5.7	5.7	5.64	5.67
Turbidity (NTU)	17.7	17.9	26.6	26.8	28.0	28.3	24.22	-
SS (mg/L)	21.0	19.0	25.0	23.0	22.0	26.0	22.67	-
Remarks	Dredger was in operation.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								-
Remarks								

Station	MPB2							
Time (hh:mm)	10:58-10:59							
Water Depth (m)	8.8							
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.1	21.1	21.0	21.0	21.0	21.0	21.03	-
Salinity (ppt)	33.7	33.8	33.8	33.7	33.8	33.7	33.76	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.17	
D.O. Saturation (%)	79.6	79.4	80.3	80.1	82.2	81.6	80.53	-
D.O. (mg/L)	5.8	5.8	5.9	5.9	6.0	6.0	5.89	5.99
Turbidity (NTU)	18.6	19.3	22.9	22.6	25.7	25.9	22.50	-
SS (mg/L)	24.0	23.0	28.0	23.0	26.0	30.0	25.67	-
Remarks	Dredger was in operation.							

Station	IMO3						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								-
Remarks								

Station	MP							
Time (hh:mm)	10:39-10:40							
Water Depth (m)	5.8							
Monitoring Depth (m)	1.0		2.9		4.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.0	21.0	21.0	21.0	21.0	20.9	21.00	-
Salinity (ppt)	33.3	33.2	33.3	33.2	33.2	33.3	33.26	-
pH	8.1	8.1	8.1	8.2	8.2	8.1	8.14	
D.O. Saturation (%)	81.6	82.8	83.2	84.1	86.2	85.4	83.88	-
D.O. (mg/L)	6.0	6.1	6.1	6.2	6.3	6.3	6.15	6.30
Turbidity (NTU)	18.4	18.8	22.9	22.1	24.1	24.3	21.77	-
SS (mg/L)	28.0	25.0	29.0	29.0	38.0	35.0	30.67	-
Remarks	Dredger was in operation.							

Station	IMO4						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								-
Remarks								

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C1 & C3 Mean**		**IMO1**		**IMO2**		**IMO3**		**IMO4**		**IMO5**		**IMO6**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**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**	**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**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**
DO (Bottom)	3.3	2.5	6.0	6.0	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	4.2	4.0	6.0	6.0	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	29.0	49.0	31.3	31.3	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	36.1	36.1	-	-	-	-	-	-	-	-	Y	Y	Y	Y	N	N	N	N	N	N

Sampling Date	12/6/2009
Weather & Ambient Temperature	Fine, 19C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	15:53-15:55							
Water Depth (m)	20.0							
Monitoring Depth (m)	1.0		10.0		19.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.3	22.3	22.4	22.3	22.4	22.4	22.34	-
Salinity (ppt)	34.7	34.6	34.8	34.7	34.2	34.1	34.50	-
pH	8.6	8.6	8.6	8.6	8.5	8.6	8.59	
D.O. Saturation (%)	82.0	81.6	78.9	78.7	77.0	82.4	80.10	-
D.O. (mg/L)	5.3	5.2	5.0	5.0	4.9	5.3	5.11	5.07
Turbidity (NTU)	20.7	21.4	28.2	27.7	28.8	29.4	26.03	-
SS (mg/L)	19.0	17.0	17.0	18.0	20.0	16.0	17.83	-
Remarks	Dredger was in operation.							

Station	IMO5						**Co-ordinates**	
Time (hh:mm)	16:06-16:07						Northing	Easting
Water Depth (m)	13.9						22.21.650	113.54.543
Monitoring Depth (m)	1.0		7.0		12.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.4	22.4	22.4	22.4	22.4	22.4	22.38	-
Salinity (ppt)	34.7	34.8	34.8	34.8	34.8	34.8	34.79	-
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.60	
D.O. Saturation (%)	80.0	79.3	78.7	79.8	80.1	79.0	79.48	-
D.O. (mg/L)	5.1	5.1	5.0	5.1	5.1	5.0	5.07	5.07
Turbidity (NTU)	22.6	22.4	23.5	23.1	24.6	24.0	23.37	-
SS (mg/L)	22.0	19.0	16.0	17.0	16.0	17.0	17.83	-
Remarks	Dredger was in operation.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	IMO6						**Co-ordinates**	
Time (hh:mm)	16:17-16:18						Northing	Easting
Water Depth (m)	12.3						22.21.244	113.54.950
Monitoring Depth (m)	1.0		6.2		11.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.3	22.3	22.4	22.3	22.4	22.4	22.33	-
Salinity (ppt)	34.4	34.3	34.0	34.8	34.1	34.3	34.31	-
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.59	
D.O. Saturation (%)	78.7	80.3	75.5	79.1	81.0	76.4	78.50	-
D.O. (mg/L)	5.0	5.1	4.8	5.0	5.2	4.9	5.01	5.02
Turbidity (NTU)	23.3	23.3	23.4	23.3	24.7	24.3	23.72	-
SS (mg/L)	21.0	19.0	18.0	21.0	20.0	22.0	20.17	-
Remarks	Dredger was in operation.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB1							
Time (hh:mm)	15:21-15:22							
Water Depth (m)	8.6							
Monitoring Depth (m)	1.0		4.3		7.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.2	22.2	22.2	22.3	22.2	22.2	22.23	-
Salinity (ppt)	32.1	32.2	32.2	32.3	32.7	32.5	32.33	-
pH	8.5	8.5	8.5	8.5	8.5	8.4	8.50	
D.O. Saturation (%)	79.9	80.3	79.8	80.4	80.6	82.1	80.52	-
D.O. (mg/L)	5.3	5.3	5.3	5.3	5.3	5.5	5.34	5.40
Turbidity (NTU)	23.7	24.3	23.8	23.8	26.8	27.1	24.92	-
SS (mg/L)	20.0	18.0	19.0	20.0	24.0	26.0	21.17	-
Remarks	Dredger was in operation.							

Station	IMO3						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB2							
Time (hh:mm)	15:09-15:10							
Water Depth (m)	8.6							
Monitoring Depth (m)	1.0		4.3		7.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.2	22.1	22.2	22.2	22.2	22.2	22.20	-
Salinity (ppt)	31.7	31.6	31.9	31.9	32.7	32.9	32.08	-
pH	8.5	8.5	8.5	8.5	8.5	8.5	8.50	
D.O. Saturation (%)	80.9	80.5	79.6	81.1	80.0	81.0	80.52	-
D.O. (mg/L)	5.4	5.4	5.3	5.4	5.3	5.4	5.36	5.34
Turbidity (NTU)	21.2	21.3	21.5	21.2	22.8	22.2	21.70	-
SS (mg/L)	23.0	26.0	26.0	21.0	21.0	18.0	22.50	-
Remarks	Dredger was in operation.							

Station	IMO4						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MP							
Time (hh:mm)	15:33-15:34							
Water Depth (m)	5.1							
Monitoring Depth (m)	1.0		2.5		4.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.2	22.2	22.2	22.2	22.2	22.2	22.20	-
Salinity (ppt)	31.9	31.9	32.0	31.9	32.0	31.9	31.92	-
pH	8.5	8.5	8.5	8.5	8.5	8.5	8.50	
D.O. Saturation (%)	79.1	78.9	79.0	79.8	79.0	79.8	79.27	-
D.O. (mg/L)	5.3	5.2	5.3	5.3	5.3	5.3	5.27	5.28
Turbidity (NTU)	21.8	22.2	24.5	23.7	24.5	23.7	23.40	-
SS (mg/L)	21.0	20.0	24.0	20.0	26.0	22.0	22.17	-
Remarks	Dredger was in operation.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C2 Mean**		**IMO1**		**IMO2**		**IMO3**		**IMO4**		**IMO5**		**IMO6**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**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**	**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**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**
DO (Bottom)	3.3	2.5	5.1	5.1	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	4.2	4.0	5.1	5.1	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	29.0	49.0	33.8	33.8	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	23.2	23.2	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/6/2009
Weather & Ambient Temperature	Sunny, 16C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	10:20-10:22							
Water Depth (m)	16.0							
Monitoring Depth (m)	1.0		8.0		15.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.5	21.5	21.4	21.4	21.4	21.4	21.42	-
Salinity (ppt)	34.0	34.1	34.1	34.1	34.0	32.6	33.80	-
pH	8.7	8.7	8.7	8.7	8.7	8.7	8.69	
D.O. Saturation (%)	87.2	88.8	87.4	87.2	90.0	87.1	87.95	-
D.O. (mg/L)	5.8	5.9	5.8	5.8	6.0	5.8	5.83	5.90
Turbidity (NTU)	21.5	21.4	22.6	22.2	24.4	24.1	22.70	-
SS (mg/L)	20.0	23.0	23.0	20.0	20.0	21.0	21.17	-
Remarks	Dredger was in operation.							

Station	IMO5						**Co-ordinates**	
Time (hh:mm)	10:51-10:52						Northing	Easting
Water Depth (m)	14.6						22.21.653	113.54.557
Monitoring Depth (m)	1.0		7.3		13.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.2	22.2	22.2	22.2	22.2	22.2	22.20	-
Salinity (ppt)	34.3	34.3	34.2	32.9	34.3	34.4	34.06	-
pH	8.5	8.6	8.5	8.6	8.6	8.5	8.55	
D.O. Saturation (%)	74.3	74.2	74.3	74.2	74.3	74.4	74.28	-
D.O. (mg/L)	5.3	5.3	5.3	5.4	5.3	5.3	5.34	5.34
Turbidity (NTU)	19.9	19.3	20.3	19.8	22.3	22.1	20.62	-
SS (mg/L)	19.0	19.0	18.0	17.0	19.0	18.0	18.33	-
Remarks	Dredger was in operation.							

Station	C3 (NM6)							
Time (hh:mm)	11:42-11:43							
Water Depth (m)	7.0							
Monitoring Depth (m)	1.0		3.5		6.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.2	22.3	22.2	22.2	22.2	22.2	22.22	-
Salinity (ppt)	34.2	33.7	33.7	34.1	34.0	34.1	33.95	-
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.60	
D.O. Saturation (%)	86.3	89.8	90.3	88.0	92.8	89.0	89.37	-
D.O. (mg/L)	6.5	6.7	6.8	6.6	7.0	6.7	6.70	6.82
Turbidity (NTU)	21.6	21.1	21.3	22.3	21.2	24.5	22.00	-
SS (mg/L)	20.0	21.0	18.0	19.0	19.0	19.0	19.33	-
Remarks	Dredger was in operation.							

Station	IMO6						**Co-ordinates**	
Time (hh:mm)	10:40-10;42						Northing	Easting
Water Depth (m)	13.0						22.21.244	113.54.938
Monitoring Depth (m)	1.0		6.5		12.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.2	22.2	22.2	22.2	22.2	22.2	22.21	-
Salinity (ppt)	34.3	34.3	34.2	33.8	34.3	34.3	34.20	-
pH	8.5	8.6	8.5	8.6	8.6	8.5	8.55	
D.O. Saturation (%)	78.6	78.2	78.6	78.3	78.3	78.7	78.45	-
D.O. (mg/L)	5.6	5.6	5.6	5.6	5.6	5.6	5.63	5.63
Turbidity (NTU)	19.8	18.8	22.8	22.1	22.8	23.3	21.60	-
SS (mg/L)	17.0	18.0	19.0	19.0	16.0	16.0	17.50	-
Remarks	Dredger was in operation.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB1							
Time (hh:mm)	11:18-11:19							
Water Depth (m)	9.2							
Monitoring Depth (m)	1.0		4.6		8.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.6	21.5	21.5	21.5	21.5	21.5	21.52	-
Salinity (ppt)	34.0	34.0	33.9	30.4	34.0	34.0	33.38	-
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.57	
D.O. Saturation (%)	75.6	75.9	76.2	76.0	76.1	75.9	75.95	-
D.O. (mg/L)	5.6	5.6	5.7	5.8	5.7	5.6	5.65	5.64
Turbidity (NTU)	25.0	25.5	24.5	24.1	24.0	23.2	24.38	-
SS (mg/L)	17.0	17.0	20.0	19.0	23.0	20.0	19.33	-
Remarks	Dredger was in operation.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB2							
Time (hh:mm)	11:27-11:28							
Water Depth (m)	9.0							
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.5	21.5	21.5	21.5	21.5	21.5	21.50	-
Salinity (ppt)	32.9	34.0	34.0	32.1	34.0	34.0	33.49	-
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.57	
D.O. Saturation (%)	76.3	76.6	77.0	76.3	77.1	76.5	76.63	-
D.O. (mg/L)	5.7	5.7	5.7	5.7	5.7	5.7	5.70	5.70
Turbidity (NTU)	24.1	24.1	23.8	24.1	27.3	26.5	24.98	-
SS (mg/L)	19.0	20.0	19.0	20.0	18.0	18.0	19.00	-
Remarks	Dredger was in operation.							

Station	IMO3						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MP							
Time (hh:mm)	11:03-11:05							
Water Depth (m)	5.4							
Monitoring Depth (m)	1.0		2.7		4.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.9	21.8	21.8	21.9	21.8	21.9	21.83	-
Salinity (ppt)	33.6	33.6	33.5	33.5	33.6	33.6	33.58	-
pH	8.4	8.4	8.4	8.4	8.4	8.4	8.41	
D.O. Saturation (%)	75.5	75.8	76.5	76.5	76.5	75.7	76.08	-
D.O. (mg/L)	5.6	5.6	5.7	5.7	5.7	5.6	5.63	5.63
Turbidity (NTU)	21.6	22.0	22.4	22.4	22.4	21.7	22.08	-
SS (mg/L)	14.0	16.0	13.0	16.0	15.0	13.0	14.50	-
Remarks	Dredger was in operation.							

Station	IMO4						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C1 & C3 Mean**		**IMO1**		**IMO2**		**IMO3**		**IMO4**		**IMO5**		**IMO6**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**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**	**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**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**
DO (Bottom)	3.3	2.5	6.4	6.4	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	4.2	4.0	6.3	6.3	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	29.0	49.0	29.1	29.1	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	26.3	26.3	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/7/2009
Weather & Ambient Temperature	Rainy, 17C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	17:00-17:02							
Water Depth (m)	20.0							
Monitoring Depth (m)	1.0		10.0		19.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.2	22.2	22.3	22.3	22.3	22.3	22.27	-
Salinity (ppt)	34.4	34.3	34.5	34.4	33.9	33.8	34.21	-
pH	8.8	8.7	8.8	8.7	8.7	8.8	8.74	
D.O. Saturation (%)	82.1	81.7	79.0	78.8	77.1	82.5	80.20	-
D.O. (mg/L)	5.3	5.2	5.0	5.0	4.9	5.3	5.11	5.07
Turbidity (NTU)	23.8	24.5	31.3	30.8	31.9	32.5	29.13	-
SS (mg/L)	9.0	8.0	12.0	15.0	10.0	11.0	10.83	-
Remarks	Dredger was in operation.							

Station	IMO5						**Co-ordinates**	
Time (hh:mm)	17;12-17:13						Northing	Easting
Water Depth (m)	15.4						22.21.620	113.54.501
Monitoring Depth (m)	1.0		7.7		14.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.3	22.3	22.3	22.3	22.3	22.3	22.31	-
Salinity (ppt)	34.5	34.4	34.5	34.5	34.5	34.5	34.50	-
pH	8.7	8.8	8.7	8.8	8.7	8.8	8.75	
D.O. Saturation (%)	79.4	80.1	78.8	79.9	79.1	80.2	79.58	-
D.O. (mg/L)	5.1	5.1	5.0	5.1	5.0	5.1	5.07	5.07
Turbidity (NTU)	25.5	25.7	26.6	26.2	27.1	27.7	26.47	-
SS (mg/L)	13.0	10.0	10.0	10.0	10.0	8.0	10.17	-
Remarks	Dredger was in operation.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	IMO6						**Co-ordinates**	
Time (hh:mm)	17:23-17:24						Northing	Easting
Water Depth (m)	9.9						22.21.166	113.54.827
Monitoring Depth (m)	1.0		5.0		8.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.2	22.2	22.3	22.3	22.3	22.3	22.26	-
Salinity (ppt)	34.1	34.0	33.7	34.5	33.8	34.0	34.02	-
pH	8.7	8.8	8.7	8.8	8.7	8.7	8.74	
D.O. Saturation (%)	78.8	80.4	75.6	79.2	81.1	76.5	78.60	-
D.O. (mg/L)	5.0	5.1	4.8	5.0	5.2	4.9	5.01	5.02
Turbidity (NTU)	26.4	26.4	26.5	26.4	27.8	27.4	26.82	-
SS (mg/L)	10.0	10.0	7.0	9.0	11.0	13.0	10.00	-
Remarks	Dredger was in operation.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB1							
Time (hh:mm)	16:28-16:29							
Water Depth (m)	8.6							
Monitoring Depth (m)	1.0		4.3		7.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.2	22.2	22.2	22.2	22.1	22.2	22.16	-
Salinity (ppt)	31.8	31.9	32.0	32.0	32.2	32.4	32.04	-
pH	8.7	8.7	8.7	8.7	8.6	8.7	8.65	
D.O. Saturation (%)	80.0	80.4	79.9	80.5	82.2	80.7	80.62	-
D.O. (mg/L)	5.3	5.3	5.3	5.3	5.5	5.3	5.34	5.40
Turbidity (NTU)	26.8	27.4	26.9	26.9	30.2	29.9	28.02	-
SS (mg/L)	13.0	10.0	12.0	10.0	10.0	10.0	10.83	-
Remarks	Dredger was in operation.							

Station	IMO3						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB2							
Time (hh:mm)	16:16-16:17							
Water Depth (m)	8.5							
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.1	22.1	22.1	22.2	22.2	22.1	22.13	-
Salinity (ppt)	31.3	31.4	31.6	31.6	32.4	32.6	31.79	-
pH	8.7	8.7	8.6	8.7	8.6	8.7	8.65	
D.O. Saturation (%)	80.6	81.0	79.7	81.2	80.1	81.1	80.62	-
D.O. (mg/L)	5.4	5.4	5.3	5.4	5.3	5.4	5.36	5.34
Turbidity (NTU)	24.4	24.3	24.6	24.3	25.9	25.3	24.80	-
SS (mg/L)	13.0	11.0	15.0	12.0	11.0	11.0	12.17	-
Remarks	Dredger was in operation.							

Station	IMO4						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MP							
Time (hh:mm)	16:40-16:41							
Water Depth (m)	5.1							
Monitoring Depth (m)	1.0		2.5		4.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.1	22.1	22.1	22.1	22.1	22.1	22.13	-
Salinity (ppt)	31.6	31.6	31.7	31.6	31.7	31.6	31.63	-
pH	8.7	8.7	8.7	8.6	8.7	8.6	8.65	
D.O. Saturation (%)	80.9	80.7	80.8	81.6	80.8	81.6	81.07	-
D.O. (mg/L)	5.3	5.3	5.3	5.4	5.3	5.4	5.35	5.36
Turbidity (NTU)	24.9	25.3	27.6	26.8	27.6	26.8	26.50	-
SS (mg/L)	9.0	9.0	9.0	10.0	9.0	8.0	9.00	-
Remarks	Dredger was in operation.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C2 Mean**		**IMO1**		**IMO2**		**IMO3**		**IMO4**		**IMO5**		**IMO6**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**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**	**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**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**
DO (Bottom)	3.3	2.5	5.1	5.1	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	4.2	4.0	5.1	5.1	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	29.0	49.0	37.9	37.9	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	14.1	14.1	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/7/2009
Weather & Ambient Temperature	Rainy, 18C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	11:05-11:07							
Water Depth (m)	16.0							
Monitoring Depth (m)	1.0		8.0		15.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.4	21.4	21.4	21.3	21.3	21.3	21.35	-
Salinity (ppt)	33.7	33.8	33.8	33.8	33.7	32.3	33.51	-
pH	8.8	8.8	8.8	8.8	8.8	8.8	8.84	
D.O. Saturation (%)	85.6	87.2	85.8	85.6	88.4	85.5	86.35	-
D.O. (mg/L)	5.7	5.8	5.7	5.7	5.9	5.7	5.75	5.82
Turbidity (NTU)	24.6	24.5	25.7	25.3	27.5	27.2	25.80	-
SS (mg/L)	11.0	14.0	10.0	12.0	12.0	12.0	11.83	-
Remarks	Dredger was in operation.							

Station	IMO5						**Co-ordinates**	
Time (hh:mm)	11:36-11:37						Northing	Easting
Water Depth (m)	16.0						22.21.628	113.54.515
Monitoring Depth (m)	1.0		8.0		15.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.1	22.1	22.1	22.2	22.2	22.2	22.13	-
Salinity (ppt)	34.0	34.0	33.9	32.6	34.1	34.1	33.77	-
pH	8.7	8.7	8.7	8.7	8.7	8.7	8.70	
D.O. Saturation (%)	77.8	77.7	77.8	77.7	77.8	77.9	77.78	-
D.O. (mg/L)	5.5	5.5	5.5	5.5	5.5	5.5	5.50	5.50
Turbidity (NTU)	23.0	22.4	23.4	22.9	25.4	25.2	23.72	-
SS (mg/L)	10.0	10.0	10.0	11.0	10.0	13.0	10.67	-
Remarks	Dredger was in operation.							

Station	C3 (NM6)							
Time (hh:mm)	12:27-12:28							
Water Depth (m)	7.0							
Monitoring Depth (m)	1.0		3.5		6.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.2	22.2	22.1	22.1	22.1	22.1	22.15	-
Salinity (ppt)	33.9	33.4	33.4	33.8	33.7	33.8	33.66	-
pH	8.8	8.8	8.8	8.8	8.7	8.8	8.75	
D.O. Saturation (%)	84.7	88.2	88.7	86.4	91.2	87.4	87.77	-
D.O. (mg/L)	6.4	6.7	6.7	6.5	6.9	6.6	6.62	6.74
Turbidity (NTU)	24.7	24.2	24.4	25.4	24.3	27.6	25.10	-
SS (mg/L)	11.0	10.0	11.0	12.0	12.0	11.0	11.17	-
Remarks	Dredger was in operation.							

Station	IMO6						**Co-ordinates**	
Time (hh:mm)	11:25-11:26						Northing	Easting
Water Depth (m)	10.6						22.21.168	113.54.832
Monitoring Depth (m)	1.0		5.3		9.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	22.1	22.1	22.2	22.1	22.2	22.2	22.14	-
Salinity (ppt)	34.0	34.0	33.9	33.6	34.0	34.1	33.91	-
pH	8.7	8.7	8.7	8.7	8.7	8.7	8.70	
D.O. Saturation (%)	82.1	81.7	82.1	81.8	82.2	81.8	81.95	-
D.O. (mg/L)	5.8	5.8	5.8	5.8	5.8	5.8	5.79	5.79
Turbidity (NTU)	22.9	21.9	25.9	25.2	26.4	25.9	24.70	-
SS (mg/L)	10.0	12.0	12.0	16.0	12.0	12.0	12.33	-
Remarks	Dredger was in operation.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB1							
Time (hh:mm)	12:03-12:04							
Water Depth (m)	9.4							
Monitoring Depth (m)	1.0		4.7		8.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.5	21.4	21.4	21.4	21.4	21.4	21.45	-
Salinity (ppt)	33.7	33.7	33.6	30.1	33.7	33.7	33.09	-
pH	8.7	8.7	8.7	8.7	8.7	8.7	8.72	
D.O. Saturation (%)	79.1	79.4	79.7	79.5	79.4	79.6	79.45	-
D.O. (mg/L)	5.8	5.8	5.8	5.9	5.8	5.8	5.81	5.80
Turbidity (NTU)	28.1	28.6	27.6	27.2	26.3	27.1	27.48	-
SS (mg/L)	13.0	10.0	11.0	12.0	11.0	13.0	11.67	-
Remarks	Dredger was in operation.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB2							
Time (hh:mm)	12:12-12:13							
Water Depth (m)	9.2							
Monitoring Depth (m)	1.0		4.6		8.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.5	21.4	21.4	21.4	21.4	21.4	21.43	-
Salinity (ppt)	32.6	33.7	31.8	33.7	33.7	33.7	33.20	-
pH	8.7	8.7	8.7	8.7	8.7	8.7	8.72	
D.O. Saturation (%)	79.8	80.1	79.8	80.5	80.6	80.0	80.13	-
D.O. (mg/L)	5.9	5.8	5.9	5.9	5.9	5.8	5.86	5.86
Turbidity (NTU)	27.2	27.2	27.2	26.9	30.4	29.6	28.08	-
SS (mg/L)	11.0	11.0	14.0	12.0	12.0	10.0	11.67	-
Remarks	Dredger was in operation.							

Station	IMO3						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MP							
Time (hh:mm)	11:48-11:50							
Water Depth (m)	5.4							
Monitoring Depth (m)	1.0		2.7		4.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.8	21.8	21.7	21.8	21.7	21.8	21.76	-
Salinity (ppt)	33.4	33.3	33.3	33.2	33.3	33.3	33.29	-
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.56	
D.O. Saturation (%)	79.0	79.3	80.0	80.0	80.0	79.2	79.58	-
D.O. (mg/L)	5.7	5.8	5.8	5.8	5.8	5.8	5.79	5.79
Turbidity (NTU)	24.7	25.1	25.5	25.5	25.5	24.8	25.18	-
SS (mg/L)	15.0	12.0	15.0	12.0	12.0	11.0	12.83	-
Remarks	Dredger was in operation.							

Station	IMO4						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C1 & C3 Mean**		**IMO1**		**IMO2**		**IMO3**		**IMO4**		**IMO5**		**IMO6**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**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**	**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**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**
DO (Bottom)	3.3	2.5	6.3	6.3	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	4.2	4.0	6.2	6.2	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	29.0	49.0	33.1	33.1	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	15.0	15.0	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/8/2009
Weather & Ambient Temperature	Cloudy, 17C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	17:51-17:53							
Water Depth (m)	20.1							
Monitoring Depth (m)	1.0		10.1		19.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.8	21.8	21.8	21.8	21.9	21.9	21.82	-
Salinity (ppt)	34.0	34.0	34.2	34.1	33.5	33.4	33.88	-
pH	8.6	8.5	8.6	8.5	8.5	8.6	8.53	
D.O. Saturation (%)	85.4	85.0	82.3	82.1	80.4	85.8	83.50	-
D.O. (mg/L)	5.4	5.4	5.2	5.2	5.0	5.4	5.27	5.23
Turbidity (NTU)	21.7	22.4	29.2	28.7	29.8	30.4	27.03	-
SS (mg/L)	11.0	10.0	10.0	11.0	11.0	9.0	10.33	-
Remarks	Dredger was in operation.							

Station	IMO5						**Co-ordinates**	
Time (hh:mm)	18:07-18:08						Northing	Easting
Water Depth (m)	15.9						22.21.619	113.54.581
Monitoring Depth (m)	1.0		8.0		14.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.9	21.9	21.9	21.9	21.9	21.9	21.86	-
Salinity (ppt)	34.2	34.1	34.2	34.2	34.2	34.2	34.17	-
pH	8.5	8.6	8.6	8.5	8.6	8.5	8.54	
D.O. Saturation (%)	82.7	83.4	83.2	82.1	83.5	82.4	82.88	-
D.O. (mg/L)	5.2	5.3	5.3	5.2	5.3	5.2	5.23	5.23
Turbidity (NTU)	23.4	23.6	24.1	24.5	25.6	25.0	24.37	-
SS (mg/L)	11.0	11.0	12.0	11.0	9.0	10.0	10.67	-
Remarks	Dredger was in operation.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								-
Remarks								

Station	IMO6						**Co-ordinates**	
Time (hh:mm)	18:21-18:22						Northing	Easting
Water Depth (m)	11.8						22.21.409	113.55.029
Monitoring Depth (m)	1.0		5.9		10.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.8	21.7	21.8	21.9	21.9	21.9	21.81	-
Salinity (ppt)	33.8	33.7	34.2	33.4	33.5	33.7	33.69	-
pH	8.5	8.6	8.6	8.5	8.5	8.5	8.53	
D.O. Saturation (%)	82.1	83.7	82.5	78.9	84.4	79.8	81.90	-
D.O. (mg/L)	5.2	5.3	5.2	5.0	5.3	5.0	5.17	5.18
Turbidity (NTU)	24.3	24.3	24.3	24.4	25.7	25.3	24.72	-
SS (mg/L)	11.0	11.0	12.0	12.0	12.0	13.0	11.83	-
Remarks	Dredger was in operation.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								-
Remarks								

Station	MPB1							
Time (hh:mm)	17:13-17:14							
Water Depth (m)	8.4							
Monitoring Depth (m)	1.0		4.2		7.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.7	21.7	21.7	21.7	21.7	21.7	21.71	-
Salinity (ppt)	31.5	31.6	31.6	31.7	32.1	31.8	31.71	-
pH	8.5	8.5	8.4	8.5	8.5	8.4	8.44	
D.O. Saturation (%)	83.3	83.7	83.2	83.8	84.0	85.5	83.92	-
D.O. (mg/L)	5.5	5.5	5.5	5.5	5.5	5.6	5.50	5.56
Turbidity (NTU)	24.7	25.3	24.8	24.8	27.8	28.1	25.92	-
SS (mg/L)	11.0	10.0	9.0	9.0	13.0	10.0	10.33	-
Remarks	Dredger was in operation.							

Station	IMO3						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								-
Remarks								

Station	MPB2							
Time (hh:mm)	16:58-16:59							
Water Depth (m)	8.0							
Monitoring Depth (m)	1.0		4.0		7.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.6	21.7	21.7	21.7	21.7	21.7	21.68	-
Salinity (ppt)	31.0	31.1	31.3	31.3	32.0	32.2	31.46	-
pH	8.4	8.5	8.4	8.5	8.4	8.5	8.44	
D.O. Saturation (%)	83.9	84.3	83.0	84.5	83.4	84.4	83.92	-
D.O. (mg/L)	5.5	5.6	5.5	5.6	5.5	5.5	5.52	5.50
Turbidity (NTU)	22.3	22.2	22.5	22.2	23.8	23.2	22.70	-
SS (mg/L)	11.0	13.0	12.0	12.0	13.0	13.0	12.33	-
Remarks	Dredger was in operation.							

Station	IMO4						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								-
Remarks								

Station	MP							
Time (hh:mm)	17:28-17:29							
Water Depth (m)	4.6							
Monitoring Depth (m)	1.0		2.3		3.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.7	21.7	21.7	21.7	21.7	21.7	21.68	-
Salinity (ppt)	31.3	31.3	31.4	31.3	31.3	31.4	31.30	-
pH	8.5	8.4	8.5	8.4	8.4	8.5	8.44	
D.O. Saturation (%)	84.2	84.0	84.1	84.9	84.9	84.1	84.37	-
D.O. (mg/L)	5.5	5.5	5.5	5.6	5.6	5.5	5.51	5.52
Turbidity (NTU)	22.8	23.2	25.5	24.7	24.7	25.5	24.40	-
SS (mg/L)	12.0	12.0	11.0	11.0	12.0	11.0	11.50	-
Remarks	Dredger was in operation.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C2 Mean**		**IMO1**		**IMO2**		**IMO3**		**IMO4**		**IMO5**		**IMO6**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**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**	**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**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**
DO (Bottom)	3.3	2.5	5.2	5.2	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	4.2	4.0	5.3	5.3	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	29.0	49.0	35.1	35.1	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	13.4	13.4	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/8/2009
Weather & Ambient Temperature	Cloudy, 19C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	12:06-12:08							
Water Depth (m)	16.2							
Monitoring Depth (m)	1.0		8.1		15.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.0	21.0	20.9	20.9	20.9	20.9	20.90	-
Salinity (ppt)	33.4	33.4	33.4	33.5	33.4	32.0	33.18	-
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.63	
D.O. Saturation (%)	88.9	90.5	89.1	88.9	91.7	88.8	89.65	-
D.O. (mg/L)	5.9	6.0	5.9	5.9	6.1	5.9	5.91	5.98
Turbidity (NTU)	22.5	22.4	23.6	23.2	25.4	25.1	23.70	-
SS (mg/L)	11.0	12.0	9.0	10.0	11.0	10.0	10.50	-
Remarks	Dredger was in operation.							

Station	IMO5						**Co-ordinates**	
Time (hh:mm)	12:43-12:44						Northing	Easting
Water Depth (m)	16.7						22.21.631	113.54.564
Monitoring Depth (m)	1.0		8.4		15.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.7	21.7	21.7	21.7	21.7	21.7	21.68	-
Salinity (ppt)	33.7	33.7	33.6	32.3	33.7	33.7	33.44	-
pH	8.5	8.5	8.5	8.5	8.5	8.5	8.49	
D.O. Saturation (%)	81.1	81.0	81.1	81.0	81.2	81.1	81.08	-
D.O. (mg/L)	5.7	5.7	5.7	5.7	5.7	5.7	5.66	5.66
Turbidity (NTU)	20.9	20.3	21.3	20.8	23.1	23.3	21.62	-
SS (mg/L)	19.0	17.0	15.0	14.0	12.0	10.0	14.50	-
Remarks	Dredger was in operation.							

Station	C3 (NM6)							
Time (hh:mm)	13:47-13:48							
Water Depth (m)	6.8							
Monitoring Depth (m)	1.0		3.4		5.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.7	21.8	21.7	21.7	21.7	21.7	21.70	-
Salinity (ppt)	33.5	33.1	33.0	33.5	33.4	33.5	33.33	-
pH	8.5	8.5	8.5	8.5	8.5	8.5	8.54	
D.O. Saturation (%)	88.0	91.5	92.0	89.7	94.5	90.7	91.07	-
D.O. (mg/L)	6.6	6.8	6.9	6.7	7.0	6.8	6.78	6.90
Turbidity (NTU)	22.6	22.1	22.3	23.3	22.2	25.5	23.00	-
SS (mg/L)	9.0	10.0	10.0	12.0	9.0	10.0	10.00	-
Remarks	Dredger was in operation.							

Station	IMO6						**Co-ordinates**	
Time (hh:mm)	12:29-12:31						Northing	Easting
Water Depth (m)	12.2						22.21.401	113.55.048
Monitoring Depth (m)	1.0		6.1		11.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.7	21.7	21.7	21.7	21.7	21.7	21.69	-
Salinity (ppt)	33.7	33.7	33.6	33.2	33.7	33.7	33.58	-
pH	8.5	8.5	8.5	8.5	8.5	8.5	8.49	
D.O. Saturation (%)	85.4	85.0	85.4	85.1	85.1	85.5	85.25	-
D.O. (mg/L)	6.0	5.9	6.0	6.0	5.9	6.0	5.95	5.95
Turbidity (NTU)	20.8	19.8	23.8	23.1	23.8	24.3	22.60	-
SS (mg/L)	11.0	13.0	12.0	13.0	12.0	14.0	12.50	-
Remarks	Dredger was in operation.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								-
Remarks								

Station	MPB1							
Time (hh:mm)	13:16-13:17							
Water Depth (m)	9.0							
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.1	21.0	21.0	21.0	21.0	21.0	21.00	-
Salinity (ppt)	33.4	33.4	33.3	29.7	33.4	33.4	32.76	-
pH	8.5	8.5	8.5	8.5	8.5	8.5	8.51	
D.O. Saturation (%)	82.4	82.7	83.0	82.8	82.9	82.7	82.75	-
D.O. (mg/L)	5.9	6.0	6.0	6.1	6.0	6.0	5.97	5.96
Turbidity (NTU)	26.0	26.5	25.5	25.1	25.0	24.2	25.38	-
SS (mg/L)	11.0	11.0	9.0	10.0	11.0	9.0	10.17	-
Remarks	Dredger was in operation.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								-
Remarks								

Station	MPB2							
Time (hh:mm)	13:29-13:30							
Water Depth (m)	8.8							
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.0	21.0	21.0	21.0	21.0	21.0	20.98	-
Salinity (ppt)	32.3	33.4	33.4	31.4	33.3	33.4	32.87	-
pH	8.5	8.5	8.5	8.5	8.5	8.5	8.51	
D.O. Saturation (%)	83.1	83.4	83.8	83.1	83.3	83.9	83.43	-
D.O. (mg/L)	6.0	6.0	6.0	6.1	6.0	6.0	6.02	6.02
Turbidity (NTU)	25.1	25.1	24.8	25.1	27.5	28.3	25.98	-
SS (mg/L)	10.0	11.0	11.0	11.0	11.0	12.0	11.00	-
Remarks	Dredger was in operation.							

Station	IMO3						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								-
Remarks								

Station	MP							
Time (hh:mm)	12:59-13:01							
Water Depth (m)	4.8							
Monitoring Depth (m)	1.0		2.4		3.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.4	21.3	21.4	21.2	21.4	21.3	21.31	-
Salinity (ppt)	33.0	33.0	32.9	32.9	33.0	32.9	32.96	-
pH	8.4	8.4	8.3	8.4	8.4	8.3	8.35	
D.O. Saturation (%)	82.3	82.6	83.3	83.3	82.5	83.3	82.88	-
D.O. (mg/L)	5.9	5.9	6.0	6.0	5.9	6.0	5.95	5.95
Turbidity (NTU)	22.6	23.0	23.4	23.4	22.7	23.4	23.08	-
SS (mg/L)	12.0	12.0	14.0	13.0	13.0	11.0	12.50	-
Remarks	Dredger was in operation.							

Station	IMO4						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	0.0							
Monitoring Depth (m)	1.0		0.0		-1.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								-
Remarks	Dredger was in operation.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C1 & C3 Mean**		**IMO1**		**IMO2**		**IMO3**		**IMO4**		**IMO5**		**IMO6**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**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**	**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**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**
DO (Bottom)	3.3	2.5	6.4	6.4	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	4.2	4.0	6.3	6.3	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	29.0	49.0	30.4	30.4	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	13.3	13.3	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/9/2009
Weather & Ambient Temperature	Cloudy, 20C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	19:10-19:12							
Water Depth (m)	20.1							
Monitoring Depth (m)	1.0		10.1		19.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.8	21.8	21.9	21.9	21.9	21.9	21.87	-
Salinity (ppt)	34.4	34.4	34.5	34.5	33.8	33.9	34.24	-
pH	8.6	8.6	8.6	8.6	8.6	8.5	8.57	
D.O. Saturation (%)	75.1	75.5	72.4	72.2	75.9	70.5	73.60	-
D.O. (mg/L)	4.9	4.9	4.7	4.7	4.9	4.6	4.79	4.75
Turbidity (NTU)	13.6	12.9	20.4	19.9	21.6	21.0	18.23	-
SS (mg/L)	8.0	7.0	9.0	7.0	7.0	6.0	7.33	-
Remarks	Dredger was in operation.							

Station	IMO5						**Co-ordinates**	
Time (hh:mm)	19:26-19:27						Northing	Easting
Water Depth (m)	16.0						22.21.551	113.54.491
Monitoring Depth (m)	1.0		8.0		15.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.9	21.9	21.9	21.9	21.9	21.9	21.91	-
Salinity (ppt)	34.5	34.5	34.5	34.5	34.6	34.6	34.53	-
pH	8.6	8.6	8.6	8.6	8.5	8.6	8.58	
D.O. Saturation (%)	73.5	72.8	73.3	72.2	72.5	73.6	72.98	-
D.O. (mg/L)	4.8	4.7	4.8	4.7	4.7	4.8	4.75	4.75
Turbidity (NTU)	14.8	14.6	15.3	15.7	16.2	16.8	15.57	-
SS (mg/L)	7.0	8.0	7.0	8.0	10.0	8.0	8.00	-
Remarks	Dredger was in operation.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	IMO6						**Co-ordinates**	
Time (hh:mm)	19:40-19:41						Northing	Easting
Water Depth (m)	11.9						22.21.322	113.55.019
Monitoring Depth (m)	1.0		6.0		10.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.8	21.8	21.9	21.9	21.9	21.9	21.86	-
Salinity (ppt)	34.0	34.1	33.7	34.5	34.1	33.9	34.05	-
pH	8.6	8.6	8.5	8.6	8.5	8.6	8.57	
D.O. Saturation (%)	73.8	72.2	72.3	72.6	73.2	74.5	73.10	-
D.O. (mg/L)	4.8	4.7	4.6	4.7	4.7	4.8	4.74	4.78
Turbidity (NTU)	15.5	15.5	15.6	15.5	16.5	16.9	15.92	-
SS (mg/L)	6.0	8.0	9.0	7.0	7.0	7.0	7.33	-
Remarks	Dredger was in operation.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB1							
Time (hh:mm)	18:37-18:38							
Water Depth (m)	8.1							
Monitoring Depth (m)	1.0		4.1		7.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.8	21.8	21.8	21.8	21.8	21.7	21.76	-
Salinity (ppt)	31.9	31.9	32.0	32.0	32.4	32.2	32.07	-
pH	8.5	8.5	8.5	8.5	8.5	8.4	8.48	
D.O. Saturation (%)	73.4	73.8	73.9	73.3	74.1	75.6	74.02	-
D.O. (mg/L)	5.0	5.0	5.0	5.0	5.0	5.1	5.02	5.08
Turbidity (NTU)	20.0	20.6	20.1	20.1	23.1	23.4	21.22	-
SS (mg/L)	6.0	8.0	8.0	10.0	8.0	7.0	7.83	-
Remarks	Dredger was in operation.							

Station	IMO3						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB2							
Time (hh:mm)	17:58-17:59							
Water Depth (m)	8.2							
Monitoring Depth (m)	1.0		4.1		7.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.7	21.7	21.8	21.7	21.7	21.8	21.73	-
Salinity (ppt)	31.3	31.4	31.6	31.6	32.6	32.4	31.82	-
pH	8.5	8.5	8.5	8.5	8.5	8.4	8.48	
D.O. Saturation (%)	74.0	74.4	74.6	73.1	74.5	73.5	74.02	-
D.O. (mg/L)	5.1	5.1	5.1	5.0	5.1	5.0	5.04	5.02
Turbidity (NTU)	17.6	17.5	17.5	17.8	18.5	19.1	18.00	-
SS (mg/L)	8.0	8.0	6.0	7.0	9.0	9.0	7.83	-
Remarks	Dredger was in operation.							

Station	IMO4						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MP							
Time (hh:mm)	18:47-18:48							
Water Depth (m)	4.7							
Monitoring Depth (m)	1.0		2.3		3.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.7	21.7	21.7	21.7	21.7	21.7	21.73	-
Salinity (ppt)	31.7	31.6	31.6	31.7	31.6	31.7	31.66	-
pH	8.5	8.5	8.5	8.5	8.5	8.5	8.48	
D.O. Saturation (%)	74.3	74.1	75.0	74.2	75.0	74.2	74.47	-
D.O. (mg/L)	5.0	5.0	5.1	5.0	5.1	5.0	5.03	5.04
Turbidity (NTU)	18.1	18.5	20.0	20.8	20.0	20.8	19.70	-
SS (mg/L)	8.0	8.0	7.0	9.0	7.0	8.0	7.83	-
Remarks	Dredger was in operation.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C2 Mean**		**IMO1**		**IMO2**		**IMO3**		**IMO4**		**IMO5**		**IMO6**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**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**	**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**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**
DO (Bottom)	3.3	2.5	4.8	4.8	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	4.2	4.0	4.8	4.8	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	29.0	49.0	23.7	23.7	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	9.5	9.5	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/9/2009
Weather & Ambient Temperature	Cloudy, 21C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	13:05-13:08							
Water Depth (m)	16.1							
Monitoring Depth (m)	1.0		8.1		15.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.0	21.0	20.9	21.0	20.9	20.9	20.95	-
Salinity (ppt)	33.8	33.7	33.9	33.8	33.7	32.3	33.54	-
pH	8.7	8.7	8.7	8.7	8.7	8.7	8.67	
D.O. Saturation (%)	80.6	79.0	79.0	79.2	81.8	78.9	79.75	-
D.O. (mg/L)	5.5	5.4	5.4	5.4	5.6	5.4	5.43	5.50
Turbidity (NTU)	13.6	13.7	14.4	14.8	16.6	16.3	14.90	-
SS (mg/L)	12.0	12.0	9.0	8.0	16.0	12.0	11.50	-
Remarks	Dredger was in operation.							

Station	IMO5						**Co-ordinates**	
Time (hh:mm)	13:38-13:39						Northing	Easting
Water Depth (m)	16.7						22.21.541	113.54.486
Monitoring Depth (m)	1.0		8.4		15.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.7	21.7	21.7	21.8	21.8	21.8	21.73	-
Salinity (ppt)	34.0	34.0	34.0	32.6	34.1	34.1	33.80	-
pH	8.5	8.5	8.5	8.5	8.5	8.5	8.53	
D.O. Saturation (%)	71.1	71.2	71.2	71.1	71.3	71.2	71.18	-
D.O. (mg/L)	5.2	5.2	5.2	5.2	5.2	5.2	5.18	5.18
Turbidity (NTU)	11.5	12.1	12.5	12.0	14.3	14.5	12.82	-
SS (mg/L)	10.0	8.0	12.0	14.0	11.0	10.0	10.83	-
Remarks	Dredger was in operation.							

Station	C3 (NM6)							
Time (hh:mm)	14:28-14:29							
Water Depth (m)	7.0							
Monitoring Depth (m)	1.0		3.5		6.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.8	21.8	21.7	21.7	21.7	21.7	21.75	-
Salinity (ppt)	33.4	33.9	33.4	33.9	33.8	33.8	33.69	-
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.58	
D.O. Saturation (%)	81.6	78.1	82.1	79.8	84.6	80.8	81.17	-
D.O. (mg/L)	6.3	6.1	6.4	6.2	6.6	6.3	6.30	6.42
Turbidity (NTU)	13.3	13.8	13.5	14.5	13.4	16.7	14.20	-
SS (mg/L)	10.0	10.0	6.0	6.0	8.0	9.0	8.17	-
Remarks	Dredger was in operation.							

Station	IMO6						**Co-ordinates**	
Time (hh:mm)	13:27-13:28						Northing	Easting
Water Depth (m)	12.4						22.21.341	113.55.021
Monitoring Depth (m)	1.0		6.2		11.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.7	21.7	21.8	21.7	21.8	21.8	21.74	-
Salinity (ppt)	34.0	34.0	34.0	33.6	34.1	34.0	33.94	-
pH	8.5	8.5	8.5	8.5	8.5	8.5	8.53	
D.O. Saturation (%)	75.5	75.1	75.5	75.2	75.2	75.6	75.35	-
D.O. (mg/L)	5.5	5.5	5.5	5.5	5.5	5.5	5.47	5.47
Turbidity (NTU)	12.0	11.0	15.0	14.3	15.0	15.5	13.80	-
SS (mg/L)	11.0	9.0	9.0	10.0	12.0	10.0	10.17	-
Remarks	Dredger was in operation.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB1							
Time (hh:mm)	14:03-14:04							
Water Depth (m)	8.8							
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.1	21.0	21.0	21.0	21.0	21.0	21.05	-
Salinity (ppt)	33.7	33.7	33.7	30.1	33.8	33.8	33.12	-
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.55	
D.O. Saturation (%)	72.5	72.8	73.1	72.9	73.0	72.8	72.85	-
D.O. (mg/L)	5.4	5.5	5.5	5.6	5.5	5.5	5.49	5.48
Turbidity (NTU)	21.3	21.8	20.8	20.4	20.3	19.5	20.68	-
SS (mg/L)	14.0	12.0	10.0	11.0	10.0	9.0	11.00	-
Remarks	Dredger was in operation.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB2							
Time (hh:mm)	14:13-14:14							
Water Depth (m)	9.0							
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.1	21.0	21.0	21.0	21.0	21.0	21.03	-
Salinity (ppt)	32.6	33.7	33.8	31.8	33.7	33.8	33.23	-
pH	8.6	8.6	8.5	8.6	8.6	8.5	8.55	
D.O. Saturation (%)	73.2	73.5	73.9	73.2	73.4	74.0	73.53	-
D.O. (mg/L)	5.5	5.5	5.6	5.6	5.5	5.6	5.54	5.54
Turbidity (NTU)	20.4	20.4	20.1	20.4	22.8	23.6	21.28	-
SS (mg/L)	9.0	7.0	8.0	8.0	8.0	9.0	8.17	-
Remarks	Dredger was in operation.							

Station	IMO3						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MP							
Time (hh:mm)	13:48-13:50							
Water Depth (m)	4.9							
Monitoring Depth (m)	1.0		2.5		3.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.4	21.4	21.4	21.3	21.4	21.3	21.36	-
Salinity (ppt)	33.4	33.4	33.3	33.3	33.3	33.3	33.32	-
pH	8.4	8.4	8.4	8.4	8.4	8.4	8.39	
D.O. Saturation (%)	72.7	72.4	73.4	73.4	72.6	73.4	72.98	-
D.O. (mg/L)	5.5	5.4	5.5	5.5	5.4	5.5	5.47	5.47
Turbidity (NTU)	18.3	17.9	18.7	18.7	18.0	18.7	18.38	-
SS (mg/L)	14.0	14.0	9.0	8.0	8.0	9.0	10.33	-
Remarks	Dredger was in operation.							

Station	IMO4						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C1 & C3 Mean**		**IMO1**		**IMO2**		**IMO3**		**IMO4**		**IMO5**		**IMO6**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**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**	**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**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**
DO (Bottom)	3.3	2.5	6.0	6.0	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	4.2	4.0	5.9	5.9	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	29.0	49.0	18.9	18.9	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	12.8	12.8	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/10/2009
Weather & Ambient Temperature	Cloudy, 18C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	7:20-7:21							
Water Depth (m)	20.2							
Monitoring Depth (m)	1.0		10.1		19.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.0	21.0	21.2	21.1	21.2	21.1	21.09	-
Salinity (ppt)	31.2	32.5	34.3	34.5	34.5	34.5	33.59	-
pH	8.5	8.6	8.6	8.6	8.6	8.5	8.56	
D.O. Saturation (%)	94.1	93.6	91.3	94.0	91.8	97.3	93.68	-
D.O. (mg/L)	6.2	6.1	5.9	6.1	5.9	6.3	6.08	6.11
Turbidity (NTU)	11.7	11.1	11.6	12.1	14.1	13.9	12.42	-
SS (mg/L)	8.0	9.0	11.0	9.0	9.0	10.0	9.33	-
Remarks	Dredger was in operation.							

Station	IMO5						**Co-ordinates**	
Time (hh:mm)	6:58-7:00						Northing	Easting
Water Depth (m)	15.4						22.21.643	113.54.461
Monitoring Depth (m)	1.0		7.7		14.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.1	21.1	21.3	21.0	20.9	20.9	21.05	-
Salinity (ppt)	34.8	31.0	34.6	34.7	32.8	33.1	33.49	-
pH	8.6	8.6	8.6	8.6	8.5	8.6	8.60	
D.O. Saturation (%)	91.5	91.1	91.9	92.4	101.1	98.1	94.35	-
D.O. (mg/L)	5.9	6.0	5.9	6.0	6.6	6.4	6.13	6.52
Turbidity (NTU)	10.6	11.6	13.9	14.6	15.1	14.6	13.40	-
SS (mg/L)	9.0	8.0	7.0	7.0	9.0	8.0	8.00	-
Remarks	Dredger was in operation.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	IMO6						**Co-ordinates**	
Time (hh:mm)	6:49-6:51						Northing	Easting
Water Depth (m)	13.4						22.21.296	113.54.915
Monitoring Depth (m)	1.0		6.7		12.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.5	21.2	21.7	21.7	20.9	20.7	21.28	-
Salinity (ppt)	35.0	35.0	34.7	34.8	33.3	33.1	34.32	-
pH	8.7	8.6	8.6	8.6	8.6	8.6	8.61	
D.O. Saturation (%)	93.9	98.8	97.1	95.3	101.3	98.7	97.52	-
D.O. (mg/L)	6.3	6.7	6.5	6.4	7.0	6.8	6.62	6.89
Turbidity (NTU)	13.2	13.3	14.4	14.0	16.2	15.9	14.50	-
SS (mg/L)	8.0	10.0	9.0	8.0	9.0	9.0	8.83	-
Remarks	Dredger was in operation.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB1							
Time (hh:mm)	7:56-7:57							
Water Depth (m)	9.1							
Monitoring Depth (m)	1.0		4.6		8.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	20.8	20.9	21.0	21.0	20.9	20.9	20.92	-
Salinity (ppt)	32.7	32.1	33.4	33.7	33.6	34.0	33.24	-
pH	8.5	8.6	8.6	8.5	8.5	8.5	8.53	
D.O. Saturation (%)	96.9	95.3	95.5	93.7	95.3	97.7	95.73	-
D.O. (mg/L)	6.4	6.3	6.2	6.2	6.2	6.5	6.29	6.34
Turbidity (NTU)	16.7	16.8	15.9	16.3	15.0	15.8	16.08	-
SS (mg/L)	9.0	9.0	8.0	10.0	12.0	10.0	9.67	-
Remarks	Dredger was in operation.							

Station	IMO3						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB2							
Time (hh:mm)	8:06-8:07							
Water Depth (m)	8.9							
Monitoring Depth (m)	1.0		4.5		7.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	20.9	20.9	20.9	20.9	20.9	21.0	20.90	-
Salinity (ppt)	33.8	32.3	33.7	33.8	33.6	33.7	33.49	-
pH	8.6	8.6	8.5	8.6	8.5	8.6	8.55	
D.O. Saturation (%)	94.4	93.7	93.9	93.6	93.7	93.1	93.73	-
D.O. (mg/L)	6.1	6.1	6.1	6.1	6.1	6.0	6.10	6.07
Turbidity (NTU)	15.9	15.9	15.6	15.9	16.3	16.6	16.03	-
SS (mg/L)	9.0	11.0	9.0	10.0	11.0	10.0	10.00	-
Remarks	Dredger was in operation.							

Station	IMO4						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MP							
Time (hh:mm)	7:40-7:43							
Water Depth (m)	5.3							
Monitoring Depth (m)	1.0		2.6		4.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	20.8	20.8	20.8	20.8	20.9	20.9	20.84	-
Salinity (ppt)	32.9	33.1	33.1	33.3	33.2	33.3	33.13	-
pH	8.5	8.5	8.5	8.5	8.5	8.5	8.53	
D.O. Saturation (%)	92.6	92.7	91.3	92.6	91.9	93.2	92.38	-
D.O. (mg/L)	6.1	6.1	6.0	6.1	6.0	6.1	6.03	6.03
Turbidity (NTU)	13.4	13.8	14.2	14.2	13.5	14.2	13.88	-
SS (mg/L)	10.0	9.0	9.0	8.0	10.0	9.0	9.17	-
Remarks	Dredger was in operation.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C2 Mean**		**IMO1**		**IMO2**		**IMO3**		**IMO4**		**IMO5**		**IMO6**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**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**	**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**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**
DO (Bottom)	3.3	2.5	6.1	6.1	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	4.2	4.0	6.1	6.1	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	29.0	49.0	16.1	16.1	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	12.1	12.1	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/10/2009
Weather & Ambient Temperature	Fine, 23C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	14:21-14:22							
Water Depth (m)	16.0							
Monitoring Depth (m)	1.0		8.0		15.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	20.5	20.4	20.6	20.6	20.6	20.6	20.56	-
Salinity (ppt)	34.3	34.7	35.4	35.4	35.5	35.5	35.12	-
pH	8.7	8.6	8.6	8.7	8.6	8.6	8.63	
D.O. Saturation (%)	88.1	86.9	85.4	87.7	88.9	86.0	87.17	-
D.O. (mg/L)	5.6	5.5	5.4	5.5	5.6	5.4	5.50	5.51
Turbidity (NTU)	15.1	15.1	15.2	15.1	16.5	16.1	15.52	-
SS (mg/L)	10.0	10.0	10.0	10.0	9.0	10.0	9.83	-
Remarks	Dredger was in operation.							

Station	IMO5						**Co-ordinates**	
Time (hh:mm)	13:44-13;46						Northing	Easting
Water Depth (m)	16.2						22.21.649	113.54.502
Monitoring Depth (m)	1.0		8.1		15.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	20.6	20.6	20.7	20.6	20.7	20.7	20.64	-
Salinity (ppt)	35.2	35.1	35.3	35.2	35.6	35.7	35.35	-
pH	8.7	8.6	8.7	8.6	8.7	8.6	8.64	
D.O. Saturation (%)	90.3	89.9	87.2	87.0	90.7	85.3	88.40	-
D.O. (mg/L)	5.7	5.6	5.4	5.4	5.7	5.3	5.51	5.47
Turbidity (NTU)	10.4	11.1	13.7	13.2	14.9	14.3	12.93	-
SS (mg/L)	13.0	12.0	8.0	7.0	9.0	8.0	9.50	-
Remarks	Dredger was in operation.							

Station	C3 (NM6)							
Time (hh:mm)	12:48-12:49							
Water Depth (m)	6.7							
Monitoring Depth (m)	1.0		3.4		5.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	20.5	20.5	20.5	20.5	20.5	20.5	20.50	-
Salinity (ppt)	32.7	32.5	32.7	32.8	32.8	32.8	32.71	-
pH	8.6	8.6	8.6	8.6	8.6	8.6	8.57	
D.O. Saturation (%)	92.3	92.7	92.9	92.8	91.5	93.2	92.57	-
D.O. (mg/L)	6.3	6.4	6.4	6.4	6.3	6.4	6.36	6.34
Turbidity (NTU)	12.9	13.4	14.1	13.1	13.3	13.0	13.30	-
SS (mg/L)	8.0	8.0	8.0	9.0	10.0	8.0	8.50	-
Remarks	Dredger was in operation.							

Station	IMO6						**Co-ordinates**	
Time (hh:mm)	13:56-13:57						Northing	Easting
Water Depth (m)	14.1						22.21.299	113.54.902
Monitoring Depth (m)	1.0		7.1		13.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	20.7	20.7	20.7	20.7	20.7	20.7	20.68	-
Salinity (ppt)	35.3	35.3	35.3	35.3	35.3	35.3	35.31	-
pH	8.6	8.7	8.6	8.7	8.7	8.6	8.65	
D.O. Saturation (%)	84.3	85.0	83.7	84.8	85.1	84.0	84.48	-
D.O. (mg/L)	5.3	5.4	5.3	5.3	5.3	5.3	5.31	5.31
Turbidity (NTU)	14.2	14.4	15.3	14.9	16.4	15.8	15.17	-
SS (mg/L)	8.0	10.0	8.0	8.0	9.0	11.0	9.00	-
Remarks	Dredger was in operation.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB1							
Time (hh:mm)	13:15-13:16							
Water Depth (m)	9.4							
Monitoring Depth (m)	1.0		4.7		8.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	20.5	20.5	20.5	20.6	20.5	20.5	20.53	-
Salinity (ppt)	32.7	32.6	32.8	32.8	33.2	33.0	32.85	-
pH	8.6	8.6	8.6	8.6	8.6	8.5	8.55	
D.O. Saturation (%)	88.6	88.2	88.1	88.7	88.9	90.4	88.82	-
D.O. (mg/L)	5.7	5.7	5.7	5.7	5.7	5.9	5.74	5.80
Turbidity (NTU)	16.1	15.5	15.6	15.6	16.7	16.8	16.05	-
SS (mg/L)	10.0	9.0	9.0	8.0	9.0	7.0	8.67	-
Remarks	Dredger was in operation.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB2							
Time (hh:mm)	13:04-13:05							
Water Depth (m)	9.5							
Monitoring Depth (m)	1.0		4.8		8.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	20.4	20.5	20.5	20.5	20.5	20.5	20.50	-
Salinity (ppt)	32.1	32.2	32.4	32.4	33.2	33.4	32.60	-
pH	8.6	8.6	8.6	8.5	8.5	8.6	8.55	
D.O. Saturation (%)	88.8	89.2	89.4	87.9	88.3	89.3	88.82	-
D.O. (mg/L)	5.8	5.8	5.8	5.7	5.7	5.8	5.76	5.74
Turbidity (NTU)	13.1	13.0	13.0	13.3	14.6	14.0	13.50	-
SS (mg/L)	9.0	11.0	7.0	8.0	9.0	9.0	8.83	-
Remarks	Dredger was in operation.							

Station	IMO3						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MP							
Time (hh:mm)	13:26-13:28							
Water Depth (m)	5.6							
Monitoring Depth (m)	1.0		2.8		4.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	20.5	20.5	20.5	20.6	20.5	20.5	20.52	-
Salinity (ppt)	32.4	32.4	32.4	32.5	32.5	32.4	32.44	-
pH	8.6	8.6	8.5	8.5	8.6	8.5	8.55	
D.O. Saturation (%)	87.4	87.2	87.9	87.0	87.3	88.1	87.48	-
D.O. (mg/L)	5.7	5.6	5.7	5.6	5.7	5.7	5.67	5.68
Turbidity (NTU)	13.6	14.0	15.5	16.3	16.3	15.5	15.20	-
SS (mg/L)	8.0	9.0	7.0	9.0	8.0	7.0	8.00	-
Remarks	Dredger was in operation.							

Station	IMO4						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C1 & C3 Mean**		**IMO1**		**IMO2**		**IMO3**		**IMO4**		**IMO5**		**IMO6**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**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**	**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**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**
DO (Bottom)	3.3	2.5	5.9	5.9	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	4.2	4.0	5.9	5.9	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	29.0	49.0	18.7	18.7	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	11.9	11.9	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/11/2009
Weather & Ambient Temperature	Sunny, 22C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	8:27-8:29							
Water Depth (m)	20.0							
Monitoring Depth (m)	1.0		10.0		19.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.2	21.2	21.4	21.3	21.3	21.4	21.32	-
Salinity (ppt)	32.9	31.6	34.6	34.9	34.9	34.9	33.95	-
pH	8.7	8.7	8.7	8.7	8.7	8.7	8.69	
D.O. Saturation (%)	90.3	90.8	88.0	90.7	94.0	88.5	90.38	-
D.O. (mg/L)	6.0	6.0	5.7	5.9	6.1	5.8	5.92	5.95
Turbidity (NTU)	9.4	10.0	9.9	10.4	12.2	12.4	10.72	-
SS (mg/L)	9.0	11.0	7.0	9.0	6.0	8.0	8.33	-
Remarks	Dredger was in operation.							

Station	IMO5						**Co-ordinates**	
Time (hh:mm)	8:06-8:07						Northing	Easting
Water Depth (m)	15.9						22.21.657	113.54.442
Monitoring Depth (m)	1.0		8.0		14.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.4	21.3	21.5	21.3	21.2	21.1	21.28	-
Salinity (ppt)	35.1	31.4	34.9	35.0	33.4	33.2	33.85	-
pH	8.8	8.7	8.8	8.7	8.7	8.6	8.73	
D.O. Saturation (%)	88.2	87.8	88.6	89.1	94.8	97.8	91.05	-
D.O. (mg/L)	5.7	5.8	5.8	5.8	6.3	6.5	5.97	6.36
Turbidity (NTU)	8.9	9.9	12.2	12.9	12.9	13.4	11.70	-
SS (mg/L)	9.0	8.0	8.0	9.0	8.0	7.0	8.17	-
Remarks	Dredger was in operation.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	IMO6						**Co-ordinates**	
Time (hh:mm)	7:56-7:58						Northing	Easting
Water Depth (m)	12.3						22.21.191	113.54.807
Monitoring Depth (m)	1.0		6.2		11.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.7	21.4	21.9	21.9	21.0	21.1	21.51	-
Salinity (ppt)	35.3	35.4	35.1	35.2	33.5	33.7	34.68	-
pH	8.8	8.8	8.7	8.8	8.7	8.7	8.74	
D.O. Saturation (%)	90.6	95.5	93.8	92.0	95.4	98.0	94.22	-
D.O. (mg/L)	6.2	6.5	6.4	6.3	6.7	6.8	6.46	6.73
Turbidity (NTU)	11.5	11.6	12.7	12.3	14.2	14.5	12.80	-
SS (mg/L)	10.0	8.0	8.0	10.0	9.0	7.0	8.67	-
Remarks	Dredger was in operation.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB1							
Time (hh:mm)	9:03-9:04							
Water Depth (m)	8.6							
Monitoring Depth (m)	1.0		4.3		7.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.1	21.1	21.2	21.2	21.2	21.2	21.15	-
Salinity (ppt)	33.1	32.4	34.1	33.7	34.0	34.4	33.60	-
pH	8.7	8.7	8.7	8.7	8.7	8.6	8.66	
D.O. Saturation (%)	93.6	92.0	90.4	92.2	92.0	94.4	92.43	-
D.O. (mg/L)	6.2	6.1	6.1	6.1	6.0	6.3	6.13	6.18
Turbidity (NTU)	15.0	15.1	14.6	14.2	13.3	14.1	14.38	-
SS (mg/L)	8.0	6.0	8.0	6.0	8.0	10.0	7.67	-
Remarks	Dredger was in operation.							

Station	IMO3						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB2							
Time (hh:mm)	9:14-9:15							
Water Depth (m)	8.2							
Monitoring Depth (m)	1.0		4.1		7.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.1	21.1	21.2	21.1	21.1	21.2	21.13	-
Salinity (ppt)	32.6	34.2	34.1	34.1	34.0	34.1	33.85	-
pH	8.7	8.7	8.7	8.7	8.6	8.7	8.68	
D.O. Saturation (%)	90.4	91.1	90.3	90.6	90.4	89.8	90.43	-
D.O. (mg/L)	6.0	6.0	5.9	5.9	5.9	5.9	5.94	5.91
Turbidity (NTU)	14.2	14.2	14.2	13.9	14.6	14.9	14.33	-
SS (mg/L)	7.0	6.0	8.0	8.0	8.0	8.0	7.50	-
Remarks	Dredger was in operation.							

Station	IMO4						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MP							
Time (hh:mm)	8:48-8:50							
Water Depth (m)	5.1							
Monitoring Depth (m)	1.0		2.5		4.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	21.1	21.1	21.1	21.1	21.1	21.1	21.07	-
Salinity (ppt)	33.2	33.4	33.6	33.5	33.5	33.7	33.49	-
pH	8.7	8.7	8.7	8.7	8.7	8.7	8.66	
D.O. Saturation (%)	89.3	89.4	89.3	88.0	88.6	89.9	89.08	-
D.O. (mg/L)	5.9	5.9	5.9	5.8	5.8	5.9	5.87	5.87
Turbidity (NTU)	11.7	12.1	12.5	12.5	11.8	12.5	12.18	-
SS (mg/L)	8.0	8.0	7.0	8.0	10.0	8.0	8.17	-
Remarks	Dredger was in operation.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C2 Mean**		**IMO1**		**IMO2**		**IMO3**		**IMO4**		**IMO5**		**IMO6**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**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**	**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**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**
DO (Bottom)	3.3	2.5	5.9	5.9	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	4.2	4.0	5.9	5.9	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	29.0	49.0	13.9	13.9	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	10.8	10.8	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N

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Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	15:28-15:30							
Water Depth (m)	16.0							
Monitoring Depth (m)	1.0		8.0		15.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	20.7	20.7	20.8	20.9	20.9	20.9	20.79	-
Salinity (ppt)	34.6	35.1	35.7	35.8	35.8	35.8	35.48	-
pH	8.8	8.8	8.8	8.7	8.8	8.7	8.76	
D.O. Saturation (%)	84.8	83.6	84.4	82.1	85.6	82.7	83.87	-
D.O. (mg/L)	5.4	5.3	5.4	5.2	5.4	5.3	5.34	5.35
Turbidity (NTU)	13.4	13.4	13.4	13.5	14.8	14.4	13.82	-
SS (mg/L)	6.0	7.0	7.0	9.0	10.0	9.0	8.00	-
Remarks	Dredger was in operation.							

Station	IMO5						**Co-ordinates**	
Time (hh:mm)	14:51-14:54						Northing	Easting
Water Depth (m)	16.3						22.21.648	113.54.431
Monitoring Depth (m)	1.0		8.2		15.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	20.8	20.8	20.9	20.9	20.9	20.9	20.87	-
Salinity (ppt)	35.5	35.5	35.7	35.6	35.9	36.0	35.71	-
pH	8.8	8.8	8.8	8.8	8.8	8.7	8.77	
D.O. Saturation (%)	87.0	86.6	83.9	83.7	87.4	82.0	85.10	-
D.O. (mg/L)	5.5	5.5	5.3	5.3	5.5	5.1	5.35	5.31
Turbidity (NTU)	8.7	9.4	12.0	11.5	13.2	12.6	11.23	-
SS (mg/L)	8.0	9.0	10.0	9.0	10.0	8.0	9.00	-
Remarks	Dredger was in operation.							

Station	C3 (NM6)							
Time (hh:mm)	13:55-13:56							
Water Depth (m)	7.0							
Monitoring Depth (m)	1.0		3.5		6.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	20.7	20.7	20.7	20.7	20.8	20.7	20.73	-
Salinity (ppt)	33.1	32.9	33.1	33.2	33.1	33.2	33.07	-
pH	8.7	8.7	8.7	8.7	8.7	8.7	8.70	
D.O. Saturation (%)	89.0	89.4	89.6	89.5	88.2	89.9	89.27	-
D.O. (mg/L)	6.2	6.2	6.2	6.2	6.1	6.2	6.20	6.18
Turbidity (NTU)	11.2	11.7	12.4	11.4	11.6	11.3	11.60	-
SS (mg/L)	8.0	7.0	7.0	9.0	8.0	7.0	7.67	-
Remarks	Dredger was in operation.							

Station	IMO6						**Co-ordinates**	
Time (hh:mm)	15:03-15:04						Northing	Easting
Water Depth (m)	13.0						22.21.190	113.54.722
Monitoring Depth (m)	1.0		6.5		12.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	20.9	20.9	20.9	20.9	20.9	20.9	20.91	-
Salinity (ppt)	35.7	35.6	35.7	35.7	35.7	35.7	35.67	-
pH	8.8	8.8	8.8	8.8	8.8	8.7	8.78	
D.O. Saturation (%)	81.0	81.7	80.4	81.5	81.8	80.7	81.18	-
D.O. (mg/L)	5.1	5.2	5.1	5.2	5.2	5.1	5.15	5.15
Turbidity (NTU)	12.5	12.7	13.6	13.2	14.7	14.1	13.47	-
SS (mg/L)	8.0	7.0	6.0	8.0	7.0	6.0	7.00	-
Remarks	Dredger was in operation.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB1							
Time (hh:mm)	14:22-14:23							
Water Depth (m)	9.4							
Monitoring Depth (m)	1.0		4.7		8.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	20.8	20.8	20.8	20.8	20.7	20.8	20.76	-
Salinity (ppt)	33.1	33.0	33.1	33.2	33.3	33.6	33.21	-
pH	8.7	8.7	8.7	8.7	8.6	8.7	8.68	
D.O. Saturation (%)	85.3	84.9	84.8	85.4	87.1	85.6	85.52	-
D.O. (mg/L)	5.6	5.6	5.5	5.6	5.7	5.6	5.58	5.64
Turbidity (NTU)	14.4	13.8	13.9	13.9	15.1	15.0	14.35	-
SS (mg/L)	8.0	8.0	9.0	7.0	13.0	11.0	9.33	-
Remarks	Dredger was in operation.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MPB2							
Time (hh:mm)	14:11-14:12							
Water Depth (m)	9.2							
Monitoring Depth (m)	1.0		4.6		8.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	20.7	20.7	20.8	20.7	20.8	20.7	20.73	-
Salinity (ppt)	32.5	32.6	32.8	32.8	33.5	33.7	32.96	-
pH	8.7	8.7	8.7	8.7	8.6	8.7	8.68	
D.O. Saturation (%)	85.5	85.9	86.1	84.6	85.0	86.0	85.52	-
D.O. (mg/L)	5.6	5.6	5.6	5.5	5.5	5.6	5.60	5.58
Turbidity (NTU)	11.4	11.3	11.3	11.6	12.9	12.3	11.80	-
SS (mg/L)	9.0	9.0	10.0	10.0	8.0	9.0	9.17	-
Remarks	Dredger was in operation.							

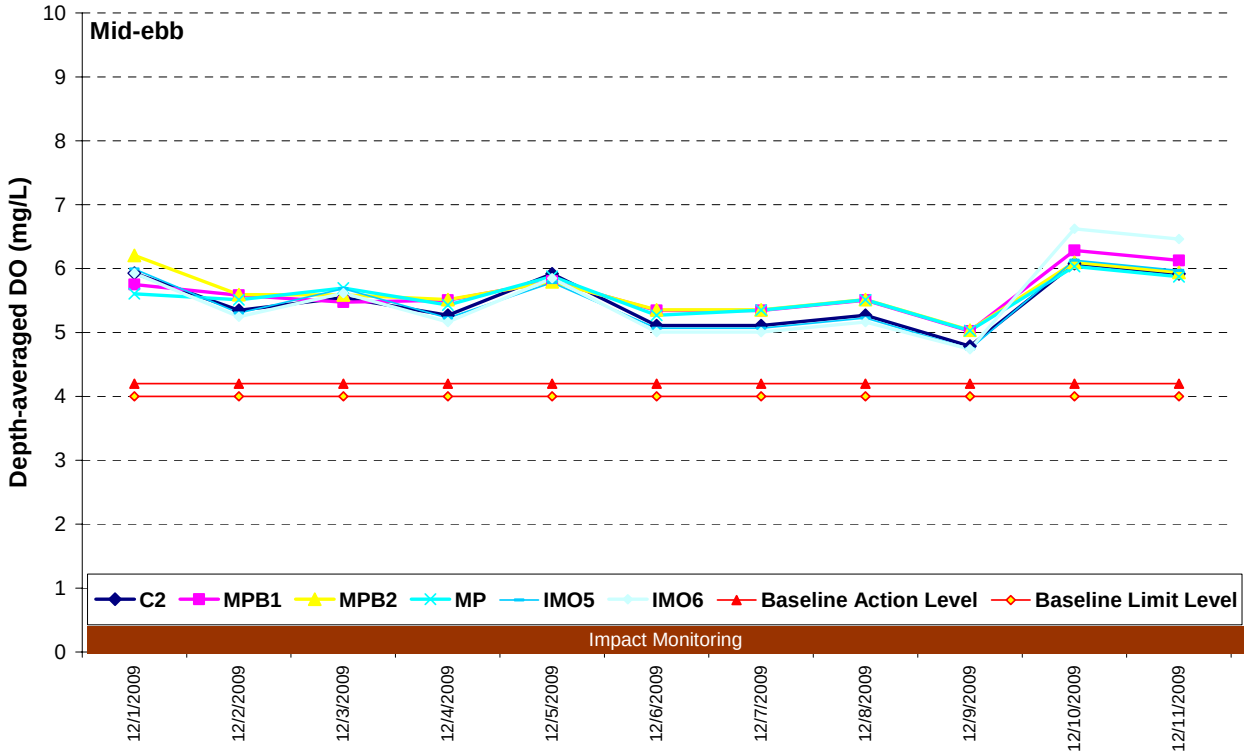
Station	IMO3						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Station	MP							
Time (hh:mm)	14:34-14:36							
Water Depth (m)	5.4							
Monitoring Depth (m)	1.0		2.7		4.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	20.7	20.7	20.7	20.8	20.7	20.7	20.75	-
Salinity (ppt)	32.8	32.8	32.8	32.8	32.9	32.8	32.80	-
pH	8.7	8.7	8.7	8.7	8.7	8.7	8.68	
D.O. Saturation (%)	83.9	84.1	84.6	83.7	84.0	84.8	84.18	-
D.O. (mg/L)	5.5	5.5	5.6	5.5	5.5	5.6	5.51	5.52
Turbidity (NTU)	12.3	11.9	13.8	14.6	14.6	13.8	13.50	-
SS (mg/L)	7.0	9.0	9.0	9.0	9.0	9.0	8.67	-
Remarks	Dredger was in operation.							

Station	IMO4						**Co-ordinates**	
Time (hh:mm)							Northing	Easting
Water Depth (m)	-							
Monitoring Depth (m)	-		-		-			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (℃)	-	-	-	-	-	-	-	-
Salinity (ppt)	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-
D.O. Saturation (%)	-	-	-	-	-	-	-	-
D.O. (mg/L)	-	-	-	-	-	-	-	-
Turbidity (NTU)	-	-	-	-	-	-	-	-
SS (mg/L)								
Remarks								

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C1 & C3 Mean**		**IMO1**		**IMO2**		**IMO3**		**IMO4**		**IMO5**		**IMO6**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**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**	**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**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**
DO (Bottom)	3.3	2.5	5.8	5.8	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	4.2	4.0	5.8	5.8	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	29.0	49.0	16.5	16.5	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	10.2	10.2	-	-	-	-	-	-	-	-	N	N	N	N	N	N	N	N	N	N



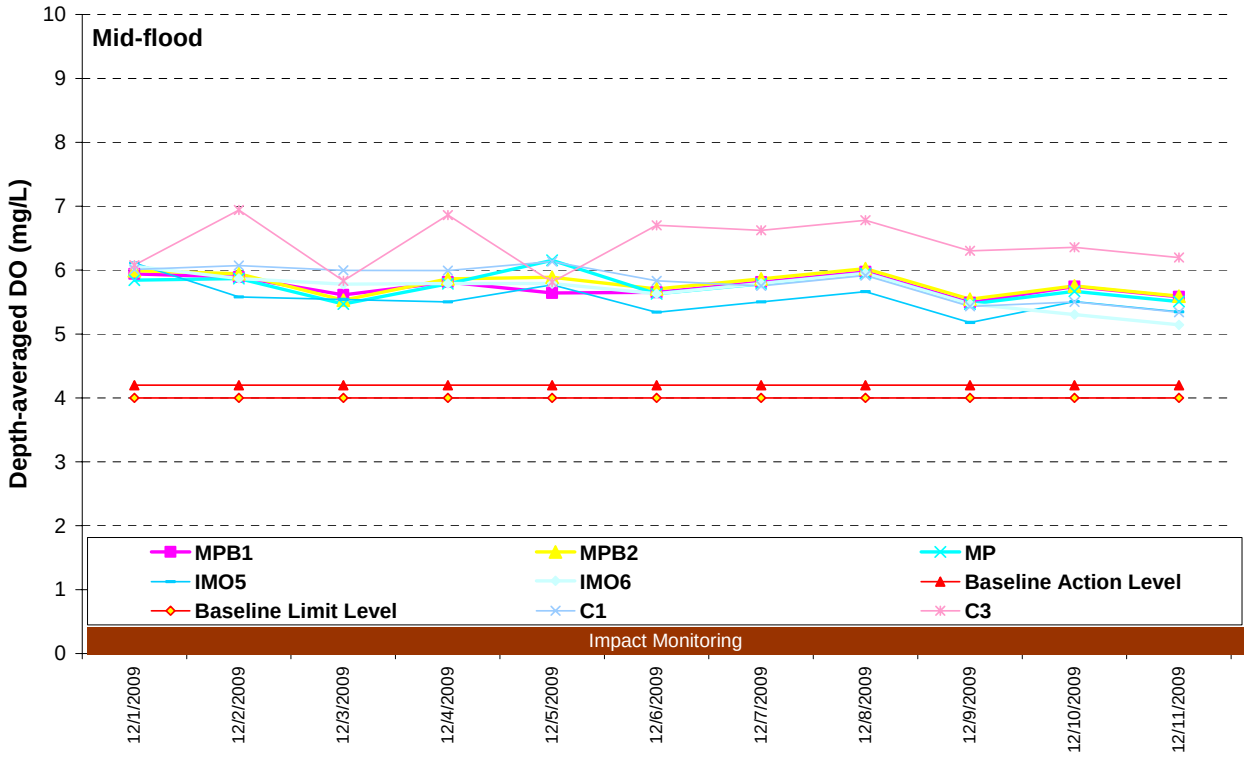
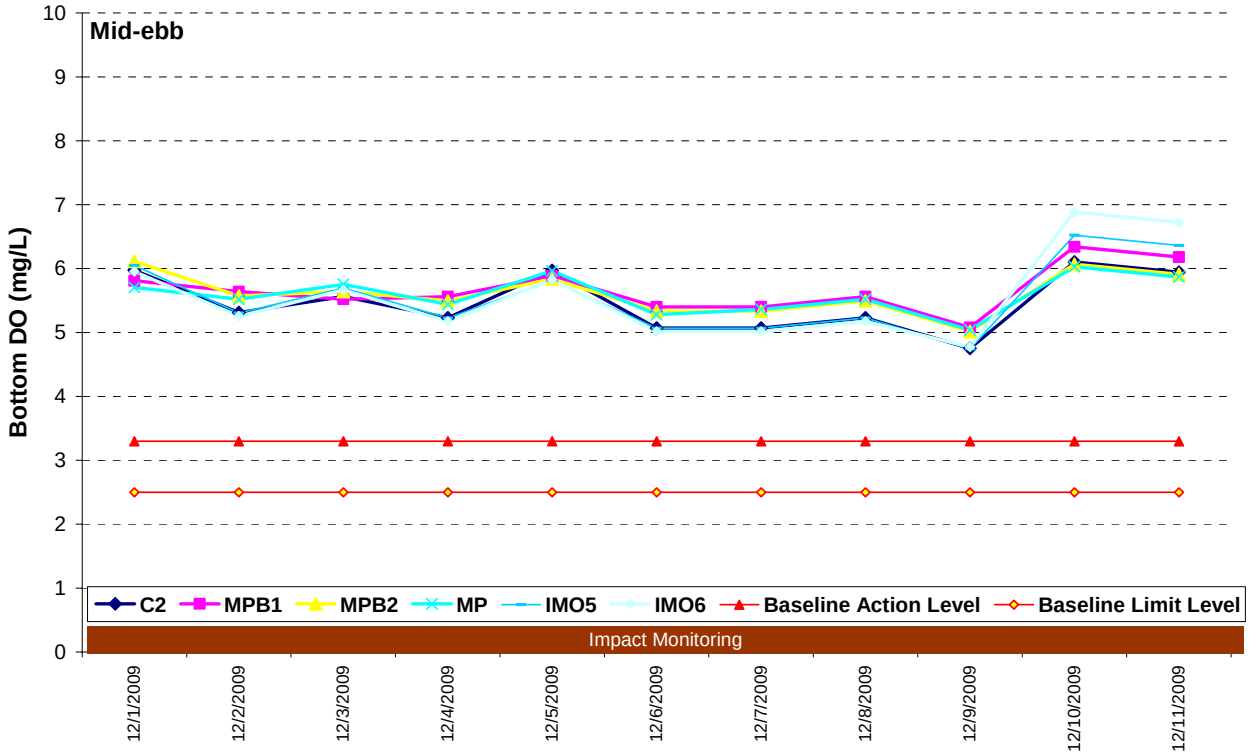


Figure G1 Dissolved oxygen concentration (depth-averaged) (mg/L) of water samples at mid-ebb and mid-flood between 1 and 11 December 2009

Ref: 0018105_Annex G_water graphs.doc

ERM



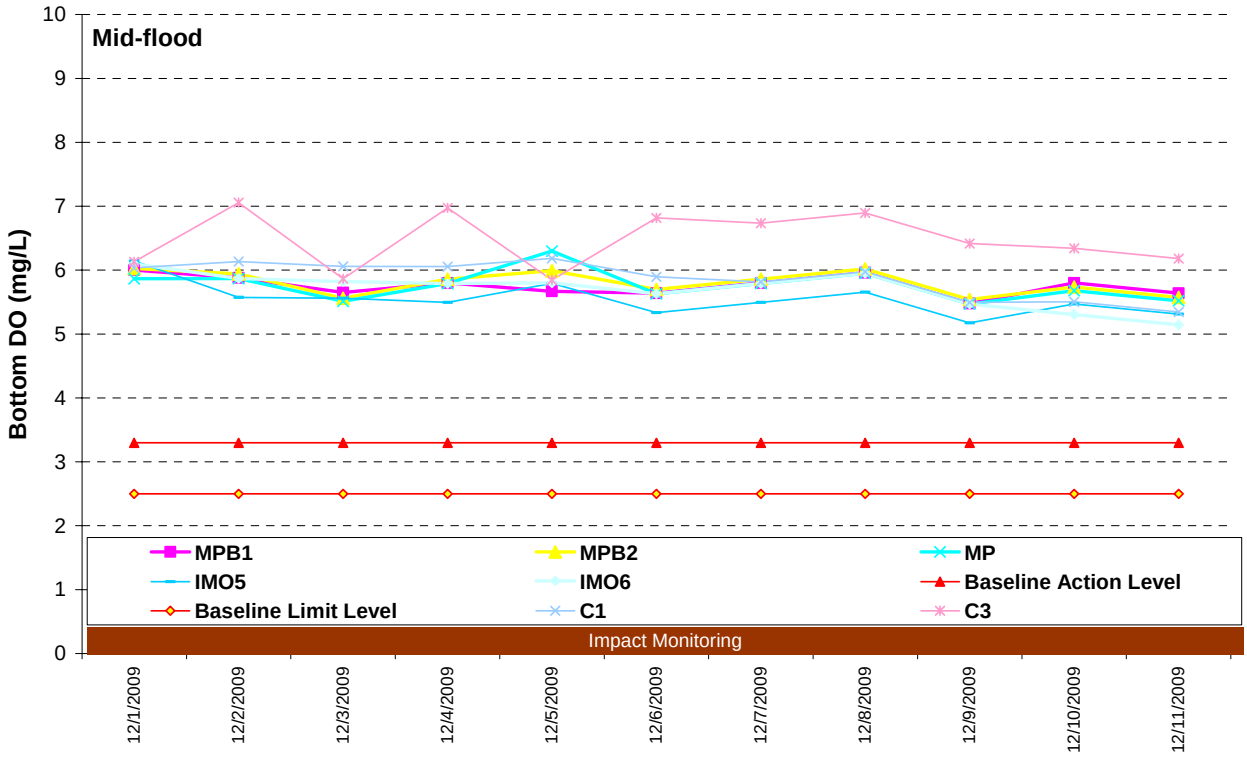
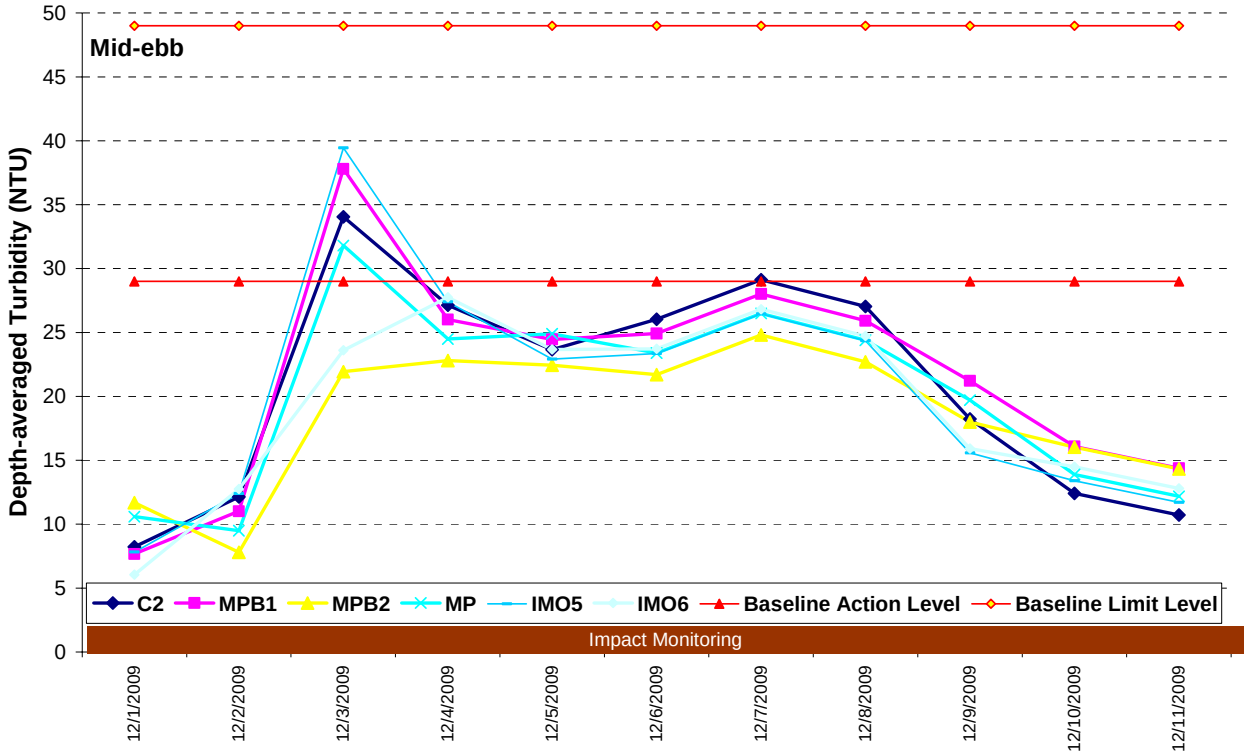


Figure G2 Dissolved oxygen concentration (bottom) (mg/L) of water samples at mid-ebb and mid-flood between 1 and 11 December 2009

Ref: 0018105_Annex G_water graphs.doc

ERM



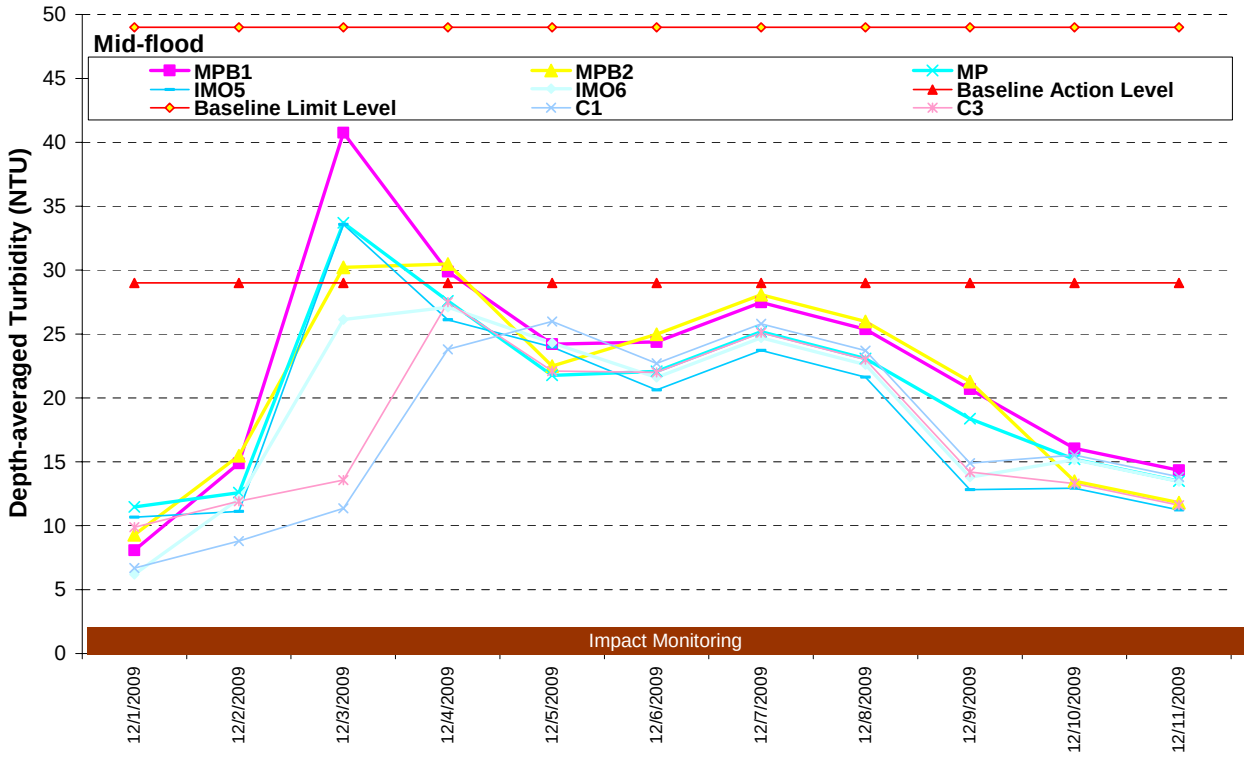
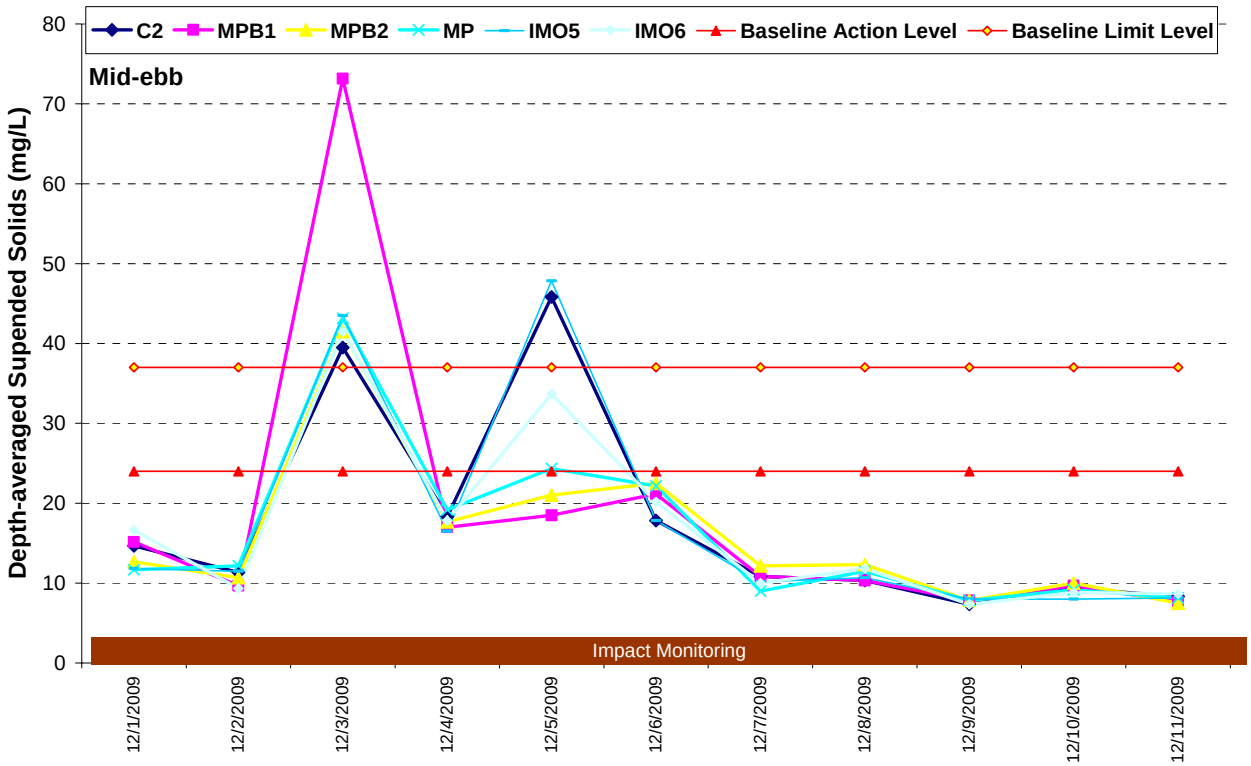


Figure G3 Depth-averaged turbidity (NTU) of water samples at mid-ebb and mid-flood between 1 and 11 December 2009

Ref: 0018105_Annex G_water graphs.doc

ERM



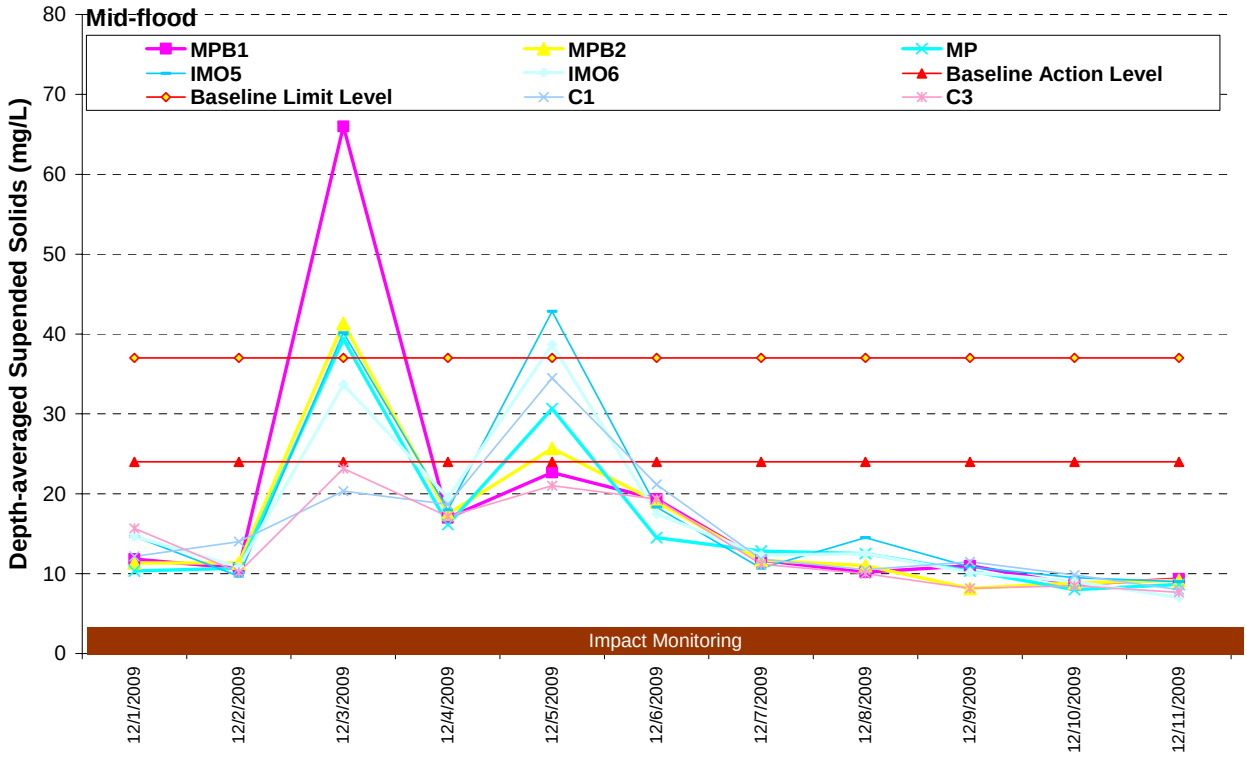


Figure G4 Depth-averaged suspended solids concentration (mg/L) of water samples at mid-ebb and mid-flood between 1 and 11 December 2009

Ref: 0018105_Annex G_water graphs.doc

ERM