

Appendix J

Operational
Phase Water
Quality
Monitoring
Results

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
24-06-20	Mid-Ebb	CS(M)5	Fine	Moderate	15:55	10.4	Surface	1.0	1	28.6	7.8	17.4	6.2	88.1	3.3	3.8	5.8	5.5	5.5
									2	28.6	7.8	17.3	6.2	88.3	3.2	3.4			
							Middle	5.2	1	27.5	7.8	20.4	5.3	75.3	5.1	5.4			
									2	27.6	7.8	20.0	5.4	76.1	5.1	5.1			
							Bottom	9.4	1	26.1	7.7	26.0	4.2	60.3	8.1	8.0			
									2	26.1	7.7	26.0	4.3	60.9	8.0	7.5			
		SR4(N2)	Fine	Calm	14:38	4.3	Surface	1.0	1	28.6	7.9	17.8	6.7	94.8	10.7	10.5	6.7	13.9	13.3
									2	28.5	7.9	17.9	6.6	94.0	10.8	10.9			
							Bottom	3.3	1	28.0	7.8	19.5	5.6	79.6	17.2	15.8			
									2	28.2	7.8	19.2	5.6	79.5	16.9	16.0			
							Surface	1.0	1	28.8	7.9	16.3	6.4	90.7	3.5	3.2			
									2	28.9	7.9	16.2	6.5	91.5	3.0	3.3			
		CS2A	Fine	Rough	13:50	6.4	Middle	3.2	1	27.1	7.7	22.3	4.5	63.8	7.6	3.8	5.5	6.3	4.4
									2	27.2	7.7	21.3	4.7	66.3	7.4	4.1			
							Bottom	5.4	1	25.8	7.6	26.4	3.3	47.2	8.4	6.3			
									2	25.8	7.6	26.5	3.4	48.3	8.1	5.9			
							Surface	1.0	1	29.0	8.0	17.1	7.3	104.2	5.0	5.4			
									2	29.0	8.0	17.1	7.3	104.4	4.6	5.9			
		SR3(N)	Fine	Calm	15:15	3.2	Bottom	2.2	1	28.3	7.8	17.8	6.2	87.4	8.2	6.7	7.3	6.4	6.3
									2	28.3	7.8	17.9	6.3	89.7	7.9	7.1			
							Surface	1.0	1	28.4	7.8	15.3	6.2	87.1	2.6	2.7			
									2	28.4	7.9	15.3	6.2	86.1	2.8	2.9			
							Middle	6.5	1	25.5	7.7	28.2	3.8	54.5	3.2	3.1			
									2	25.4	7.7	28.4	3.7	53.4	3.3	2.8			
24-06-20	Mid-Flood	CS(M)5	Cloudy	Moderate	21:00	12.9	Bottom	11.9	1	24.6	7.7	31.0	3.2	45.2	14.1	3.7	5.0	6.8	3.2
									2	24.7	7.7	31.0	3.3	47.3	14.9	3.8			
							Surface	1.0	1	28.5	7.9	17.3	6.3	89.4	7.7	8.3			
									2	28.5	7.9	17.1	6.4	90.0	6.4	8.0			
							Bottom	4.2	1	28.3	7.9	18.1	6.0	84.7	10.0	6.4			
									2	28.4	7.9	17.8	6.1	87.2	9.4	6.8			
		SR4(N2)	Cloudy	Moderate	22:13	5.2	Surface	1.0	1	27.9	7.7	16.7	5.4	75.4	5.2	4.9	6.4	8.4	7.4
									2	28.1	7.7	16.1	5.6	78.0	5.0	4.8			
							Middle	3.7	1	26.8	7.7	22.6	4.2	59.1	9.5	4.4			
									2	26.5	7.7	22.8	4.1	58.7	9.8	4.5			
							Bottom	6.4	1	26.4	7.7	24.2	3.7	53.2	14.5	4.2			
									2	26.4	7.7	24.2	3.8	54.0	14.3	3.9			
		CS2A	Cloudy	Moderate	23:01	7.4	Surface	1.0	1	28.0	7.8	15.9	5.9	82.7	7.3	4.6	4.8	9.7	4.5
									2	28.0	7.8	15.9	6.0	83.4	7.5	4.4			
							Middle	3.7	1	26.8	7.7	22.6	4.2	59.1	9.5	4.4			
									2	26.5	7.7	22.8	4.1	58.7	9.8	4.5			
							Bottom	6.4	1	26.4	7.7	24.2	3.7	53.2	14.5	4.2			
									2	26.4	7.7	24.2	3.8	54.0	14.3	3.9			
		SR3(N)	Cloudy	Calm	22:29	5.2	Surface	1.0	1	28.0	7.8	15.9	5.9	82.7	7.3	4.6	6.0	7.2	4.5
									2	28.0	7.8	15.9	6.0	83.4	7.5	4.4			
							Bottom	4.2	1	27.9	7.8	17.1	5.7	79.9	7.2	4.7			
									2	27.9	7.8	17.5	5.7	80.5	6.6	4.4			