

Appendix J

Operational Phase Water Quality Monitoring Results

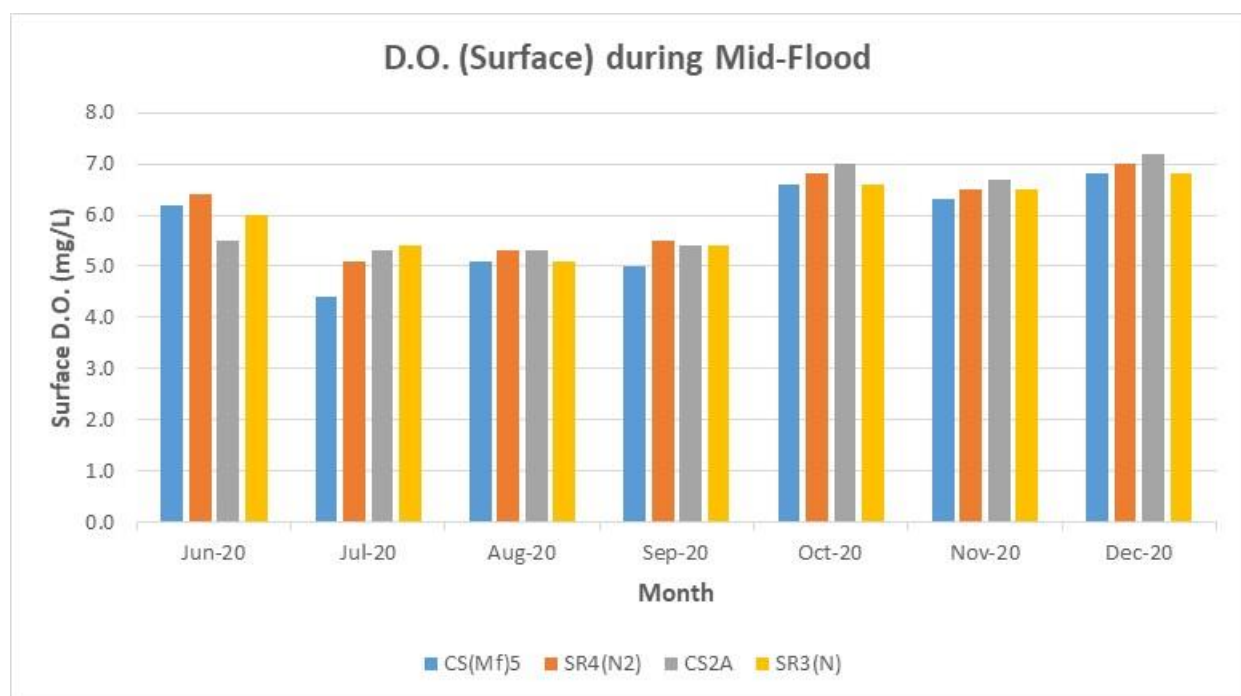
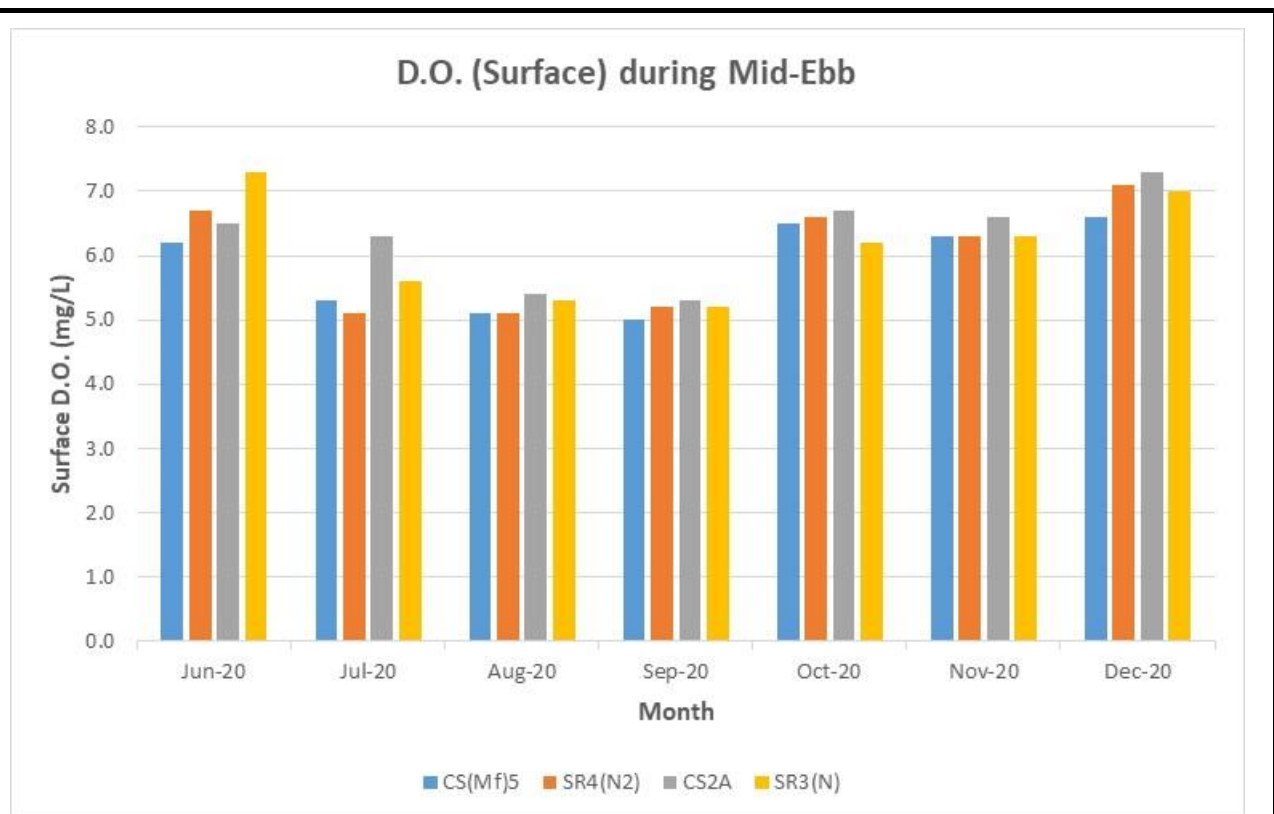
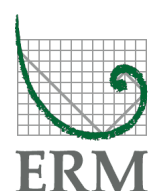


Figure J1 Operational Phase Monitoring - Mean Level of Dissolved Oxygen (mg/L) in surface waters between 1 June 2020 and 31 December 2020. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_December 2020 _graphs_Rev a.xls



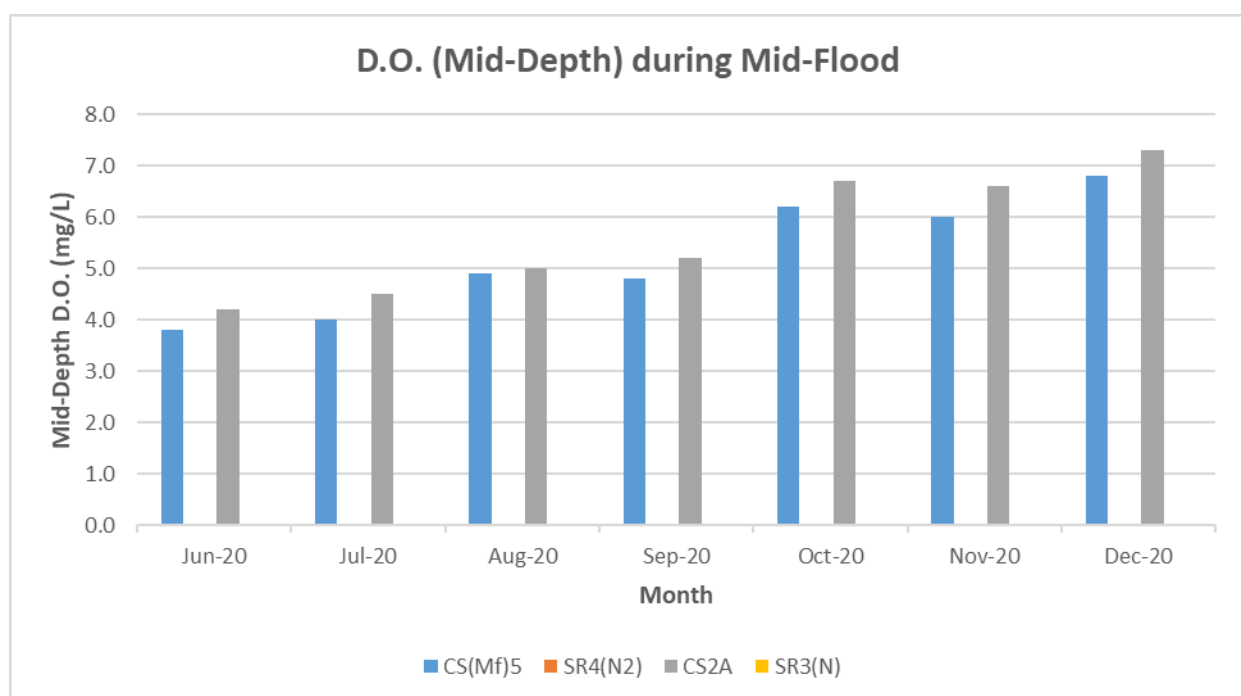
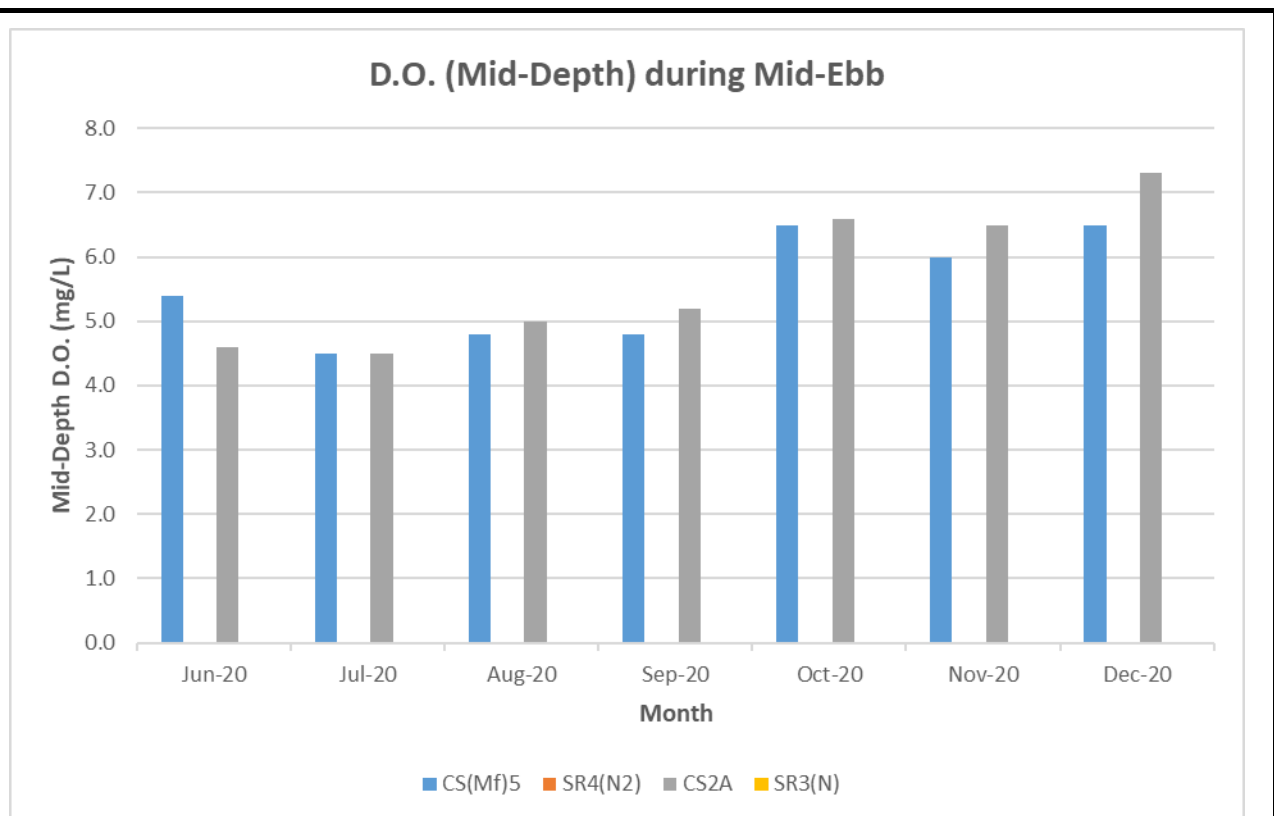


Figure J2 Operational Phase Monitoring - Mean Level of Dissolved Oxygen (mg/L) in mid-depth waters between 1 June 2020 and 31 December 2020. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_December 2020_graphs_Rev a.xls



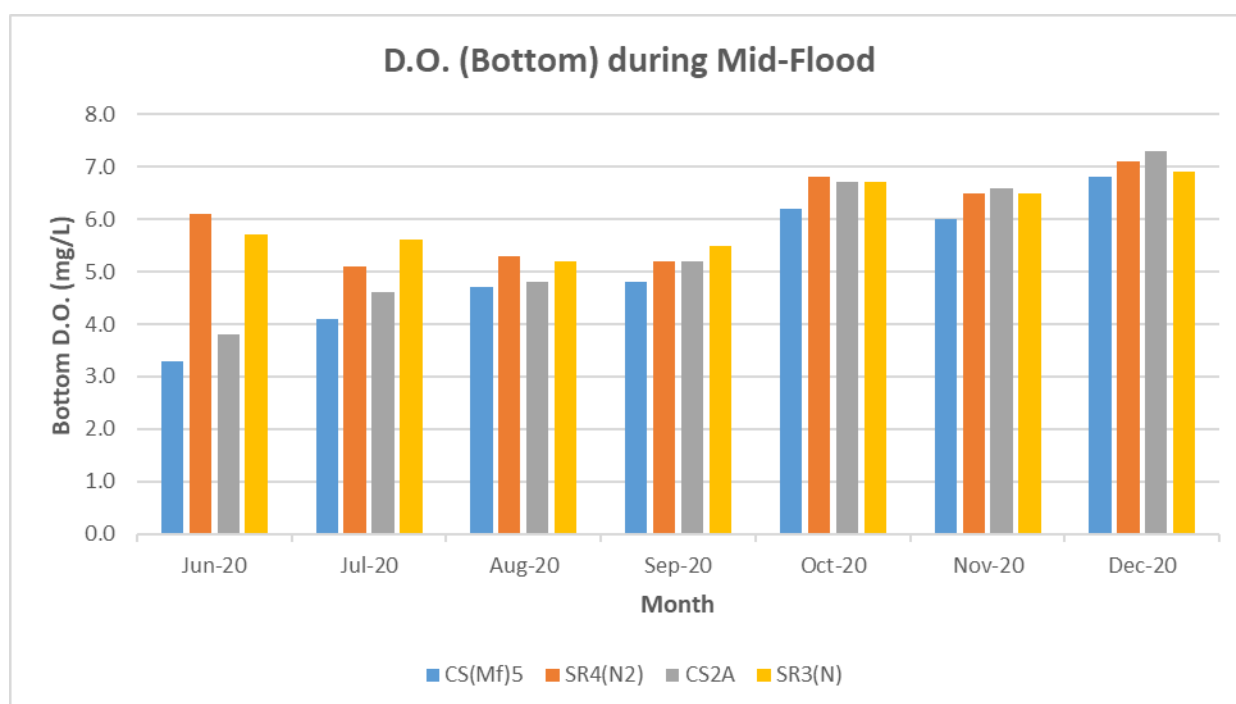
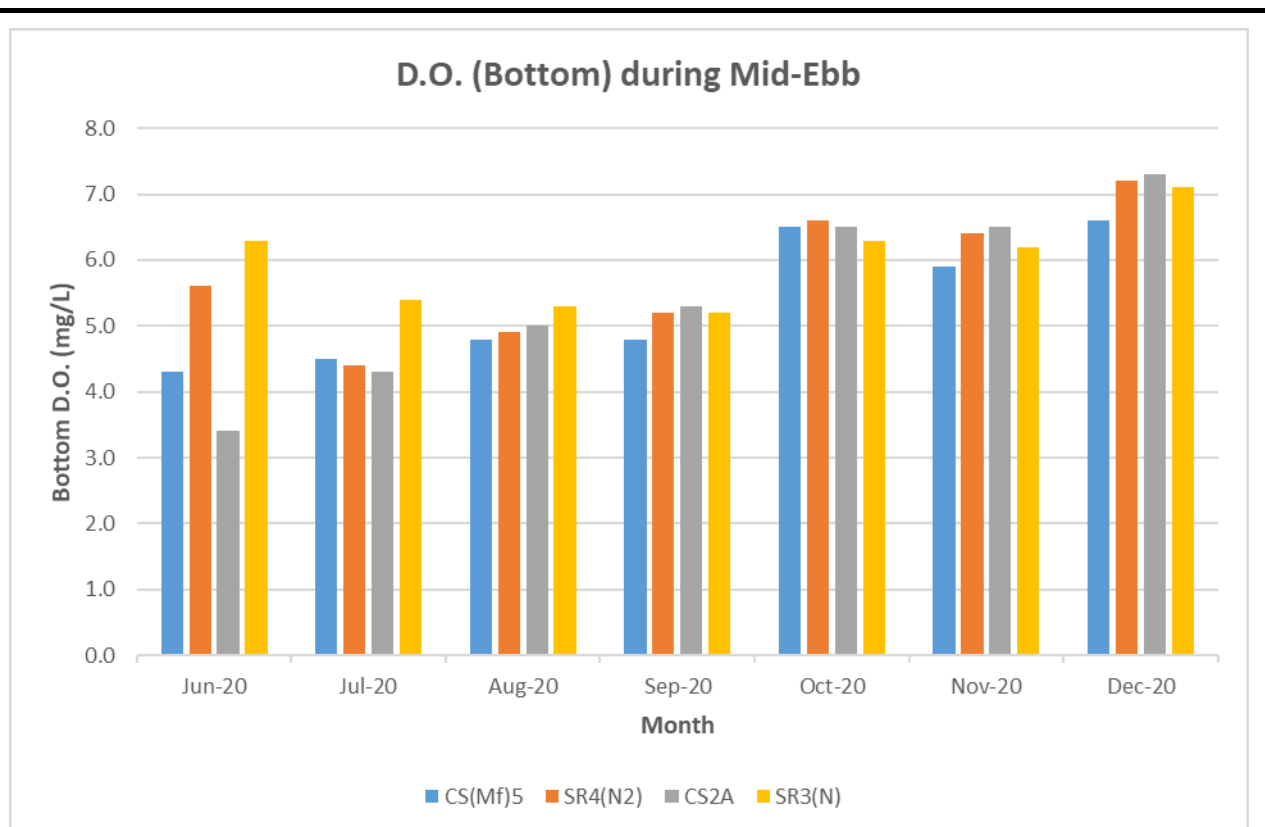
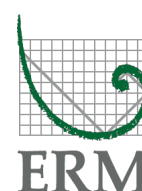


Figure J3 Operational Phase Monitoring - Mean Level of Dissolved Oxygen (mg/L) in bottom waters between 1 June 2020 and 31 December 2020. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_December 2020_graphs_Rev a.xls



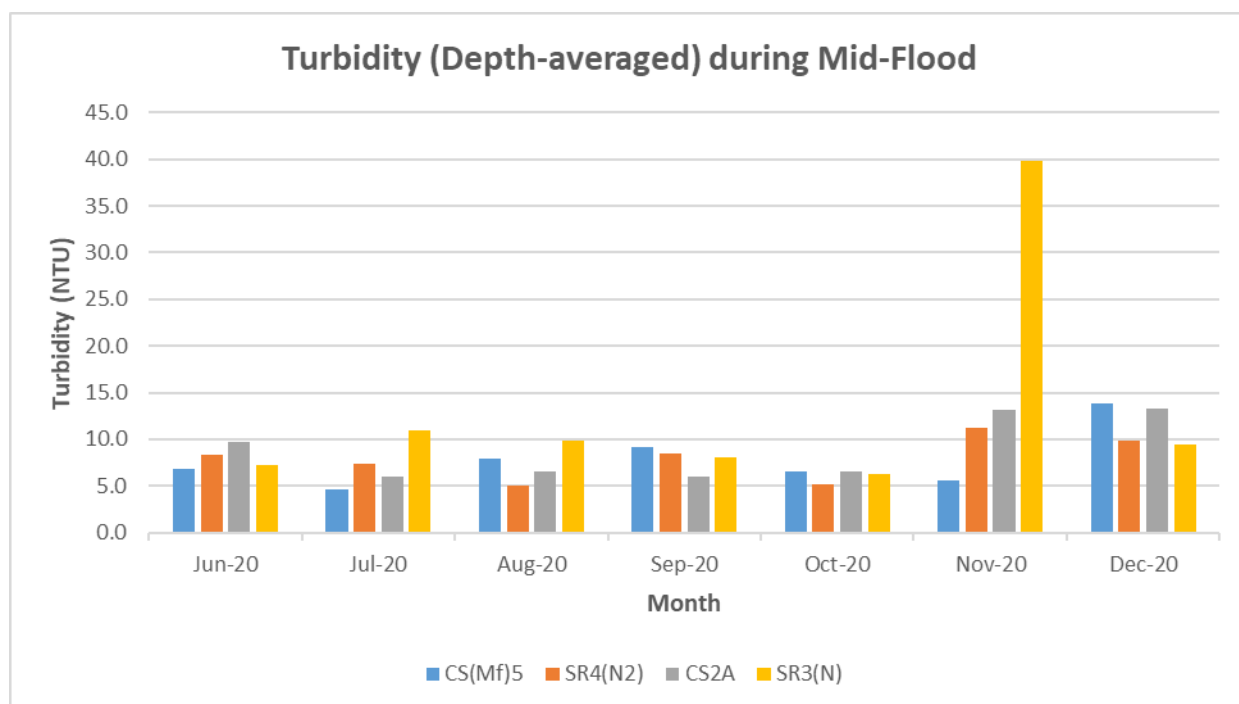
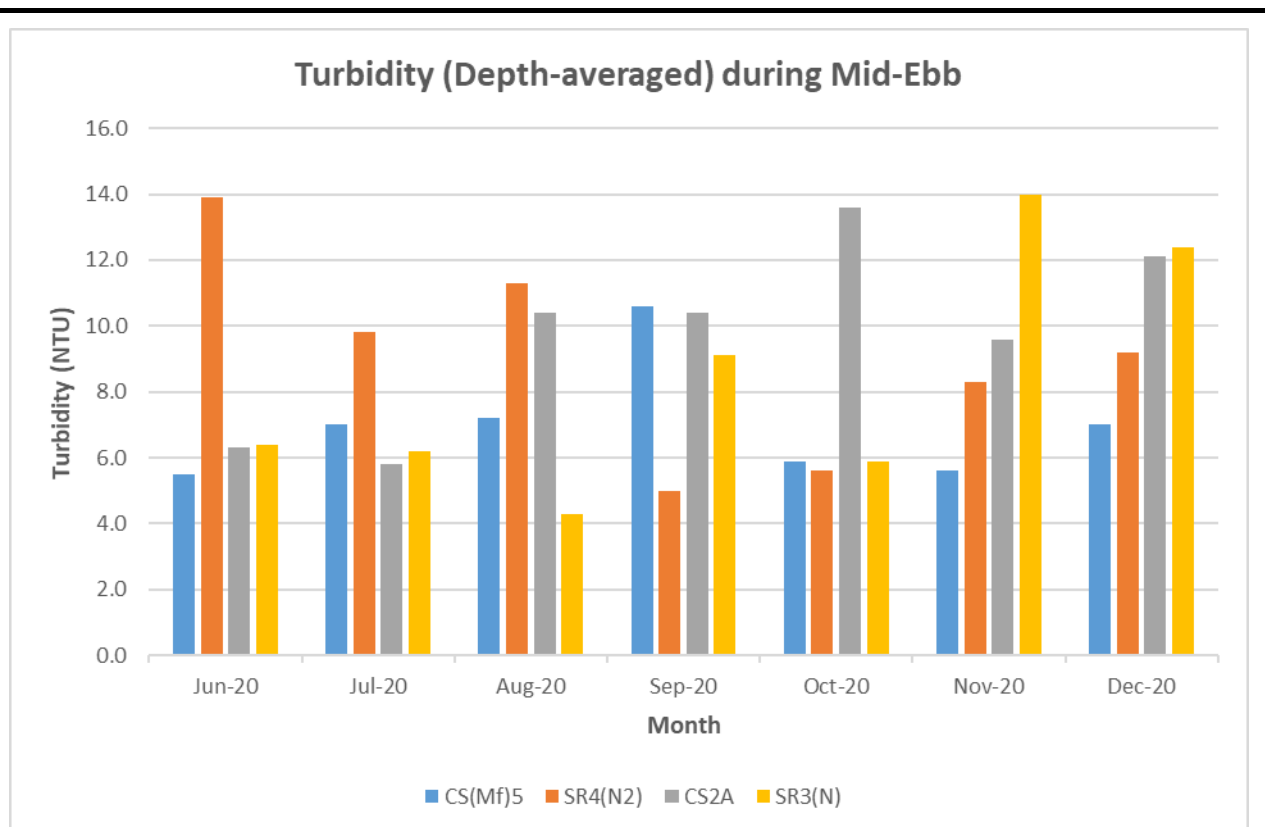


Figure J4 Operational Phase Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 June 2020 and 31 December 2020. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_December 2020 _graphs_Rev a.xls

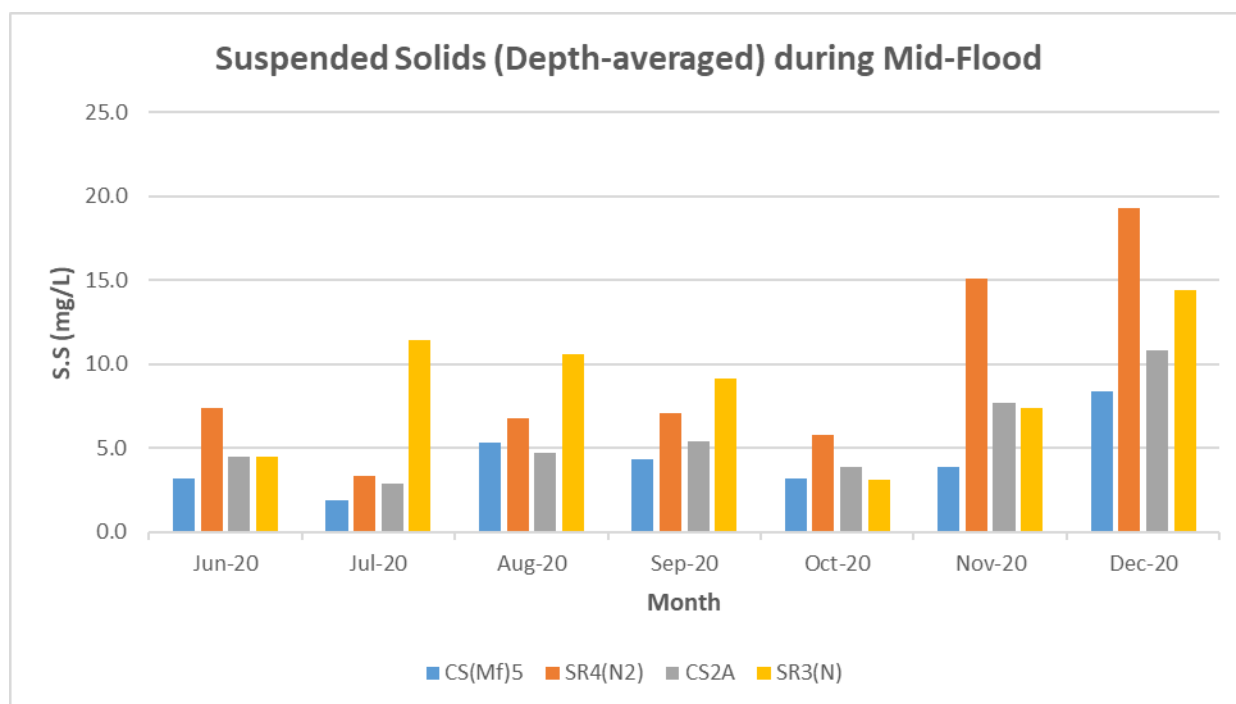
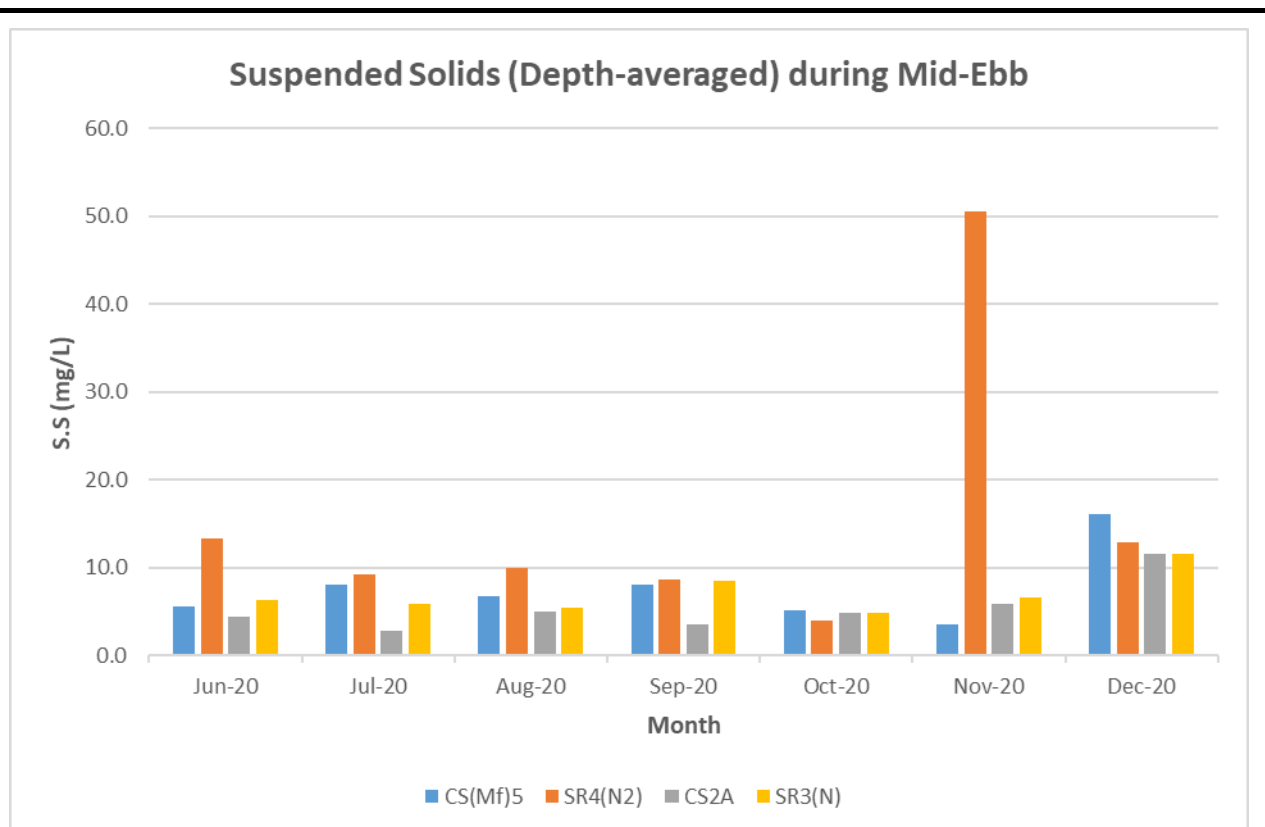


Figure J5 Operational Phase Monitoring – Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 June 2020 and 31 December 2020. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_December 2020_graphs_Rev a.xls



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)
16-12-20	Mid-Ebb	CS(M05)	Cloudy	Moderate	15:02	12.8	Surface	1.0	1	20.2	8.0	30.7	6.6	86.6	6.2	13.2	6.6	7.0	16.0
									2	20.2	8.1	30.7	6.6	86.5	6.2	14.5			
							Middle	6.4	1	20.2	8.0	30.7	6.5	86.5	6.4	14.7			
							Bottom	11.8	1	20.2	8.1	30.7	6.5	85.8	7.8	14.0			
		SR4(N2)	Cloudy	Calm	13:28	4.5	Surface	1.0	1	20.2	8.0	30.7	6.6	87.3	7.6	20.1	6.6	9.2	12.9
									2	19.2	8.1	30.2	7.1	92.0	8.9	19.3			
							Surface		2	19.2	8.1	30.2	7.0	91.1	9.0	12.2			
							Bottom	3.5	1	19.2	8.1	30.2	7.2	93.1	9.4	13.7			
		CS2A	Cloudy	Rough	12:55	6.5			2	19.1	8.1	30.3	7.1	91.1	9.3	13.5	7.3	12.1	11.6
							Surface	1.0	1	19.3	8.1	30.3	7.3	94.2	10.0	11.1			
									2	19.3	8.1	30.3	7.3	94.2	10.5	11.5			
							Middle	3.3	1	19.3	8.1	30.3	7.3	94.1	12.1	11.4			
		SR3(N)	Cloudy	Calm	14:16	4.7			2	19.3	8.1	30.3	7.3	94.1	12.1	12.0	7.3	12.4	11.5
							Surface	1.0	1	19.3	8.1	30.4	7.3	94.4	13.9	11.7			
									2	19.3	8.1	30.3	7.3	94.2	13.7	12.0			
							Bottom	3.7	1	19.5	8.1	30.4	6.9	90.5	12.4	10.8			
		CS(M05)	Cloudy	Moderate	8:23	12.9	Surface	1.0	1	19.5	8.1	30.3	7.1	92.1	12.5	12.7	7.1	13.9	8.4
									2	19.5	8.1	30.4	7.0	90.6	12.5	12.5			
							Surface		1	19.9	8.1	30.6	6.8	88.9	11.5	6.6			
							Middle	6.5	1	19.9	8.0	30.6	6.7	88.6	11.9	6.9			
		SR4(N2)	Cloudy	Calm	9:53	4.8			2	19.9	8.1	30.6	6.8	89.0	13.8	8.5	6.8	9.8	19.3
							Surface	1.0	1	19.9	8.1	30.6	6.7	88.6	13.7	9.4			
							Bottom	11.9	1	19.9	8.0	30.6	6.8	89.2	16.3	9.0			
									2	19.9	8.1	30.6	6.8	88.8	16.2	10.0			
		CS2A	Cloudy	Moderate	10:28	6.3	Surface	1.0	1	19.2	8.1	30.3	7.0	91.0	9.5	19.2	7.0	13.3	10.8
									2	19.2	8.1	30.3	7.0	90.8	9.5	20.6			
							Bottom	3.8	1	19.2	8.0	30.3	7.1	91.4	10.1	18.4			
									2	19.2	8.1	30.3	7.0	90.5	10.0	18.8			
		SR3(N)	Cloudy	Calm	9:18	4.5	Surface	1.0	1	19.3	8.1	30.4	7.2	93.8	11.5	11.0	7.2	9.4	14.4
									2	19.3	8.1	30.4	7.2	93.5	11.8	11.0			
							Middle	3.2	1	19.2	8.0	30.4	7.3	94.2	13.3	10.9			
									2	19.3	8.1	30.4	7.2	93.5	13.4	10.6			
		Bottom					Surface	5.3	1	19.2	8.0	30.4	7.4	95.8	14.9	10.7	7.3		
									2	19.3	8.1	30.4	7.2	93.6	14.7	10.4			
							Surface		1	19.5	8.0	30.5	6.8	89.2	9.3	12.9			
									2	19.5	8.1	30.4	6.8	88.4	8.9	13.5			
		Bottom							1	19.5	8.1	30.4	7.0	91.0	9.5	15.3	6.9		
									2	19.5	8.1	30.5	6.8	88.7	9.7	16.0			