

Appendix G

Operational
Phase Water
Quality
Monitoring
Results

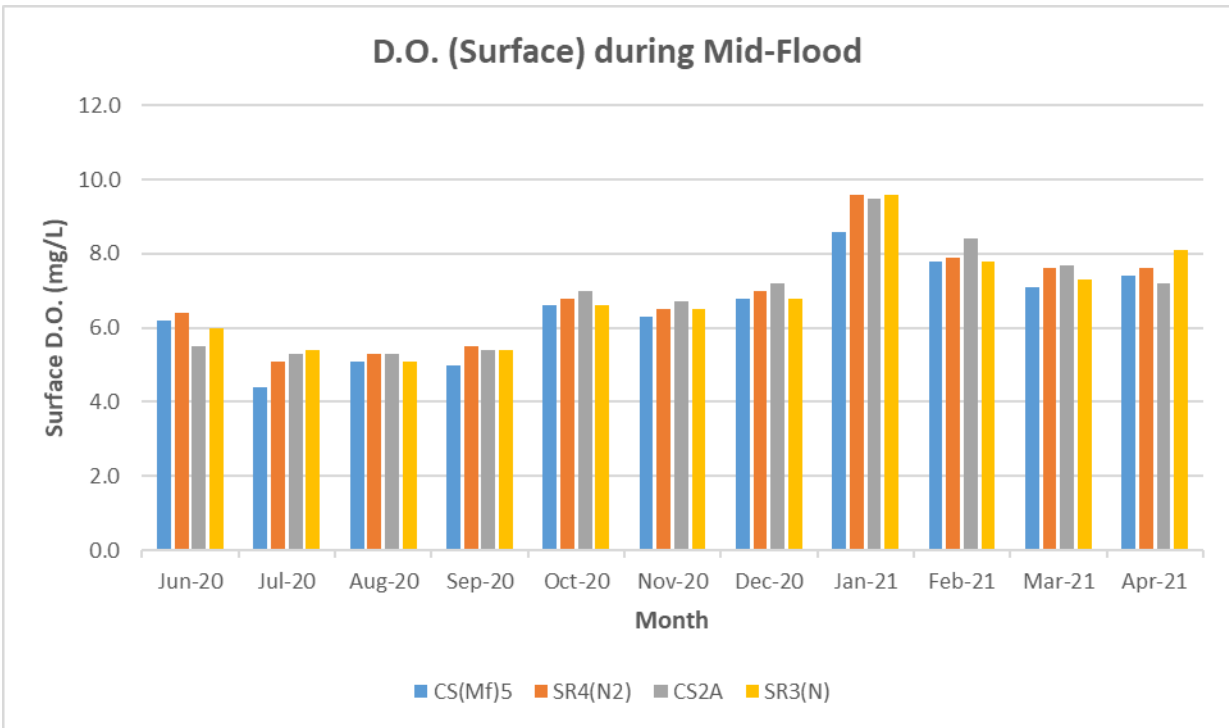
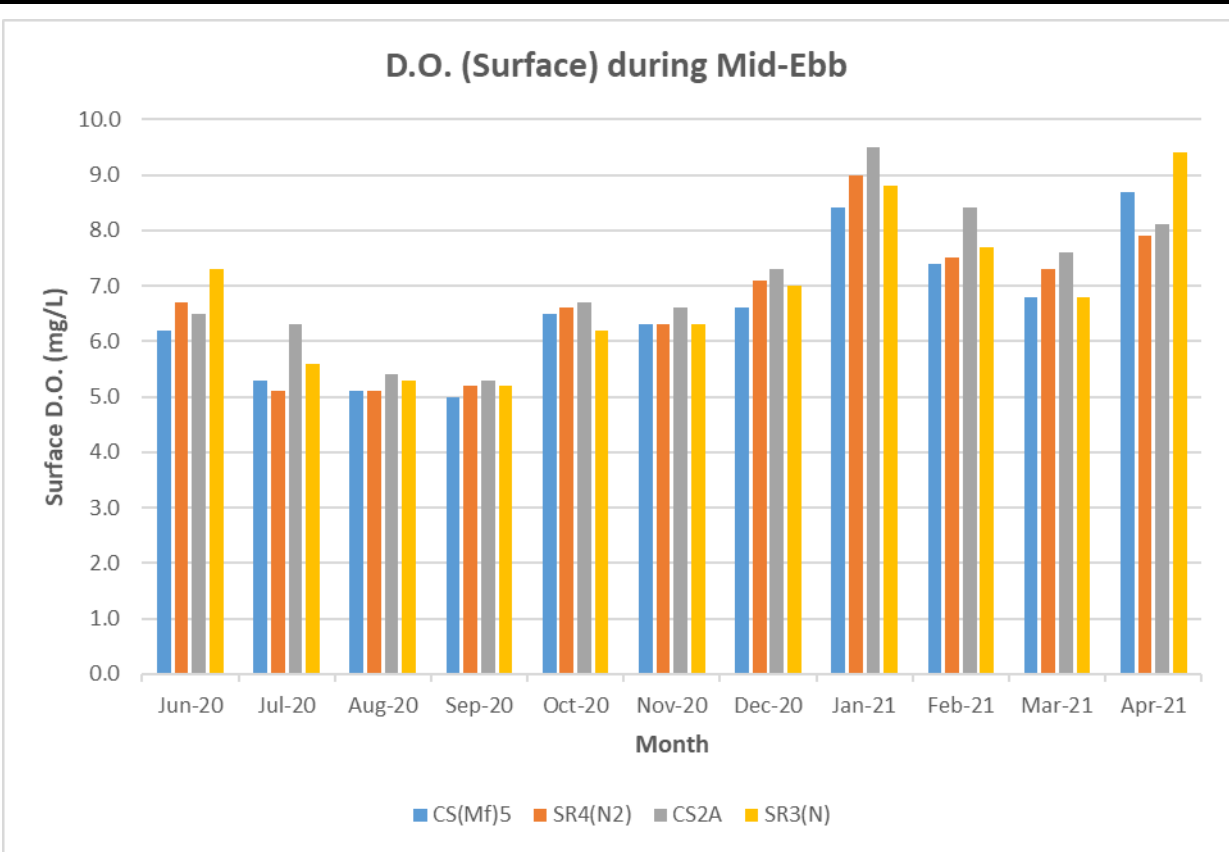


Figure G1 Operational Phase Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters between 1 June 2020 and 30 April 2021. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_April 2021_graphs_Rev a.xls



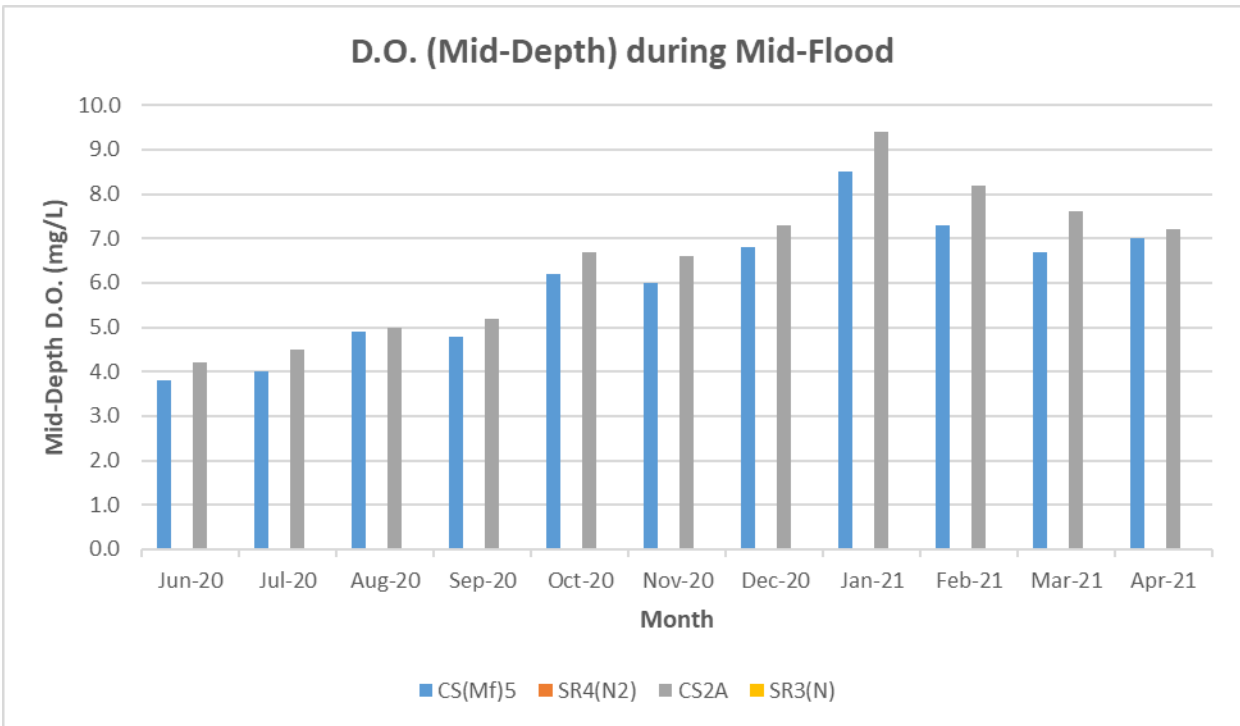
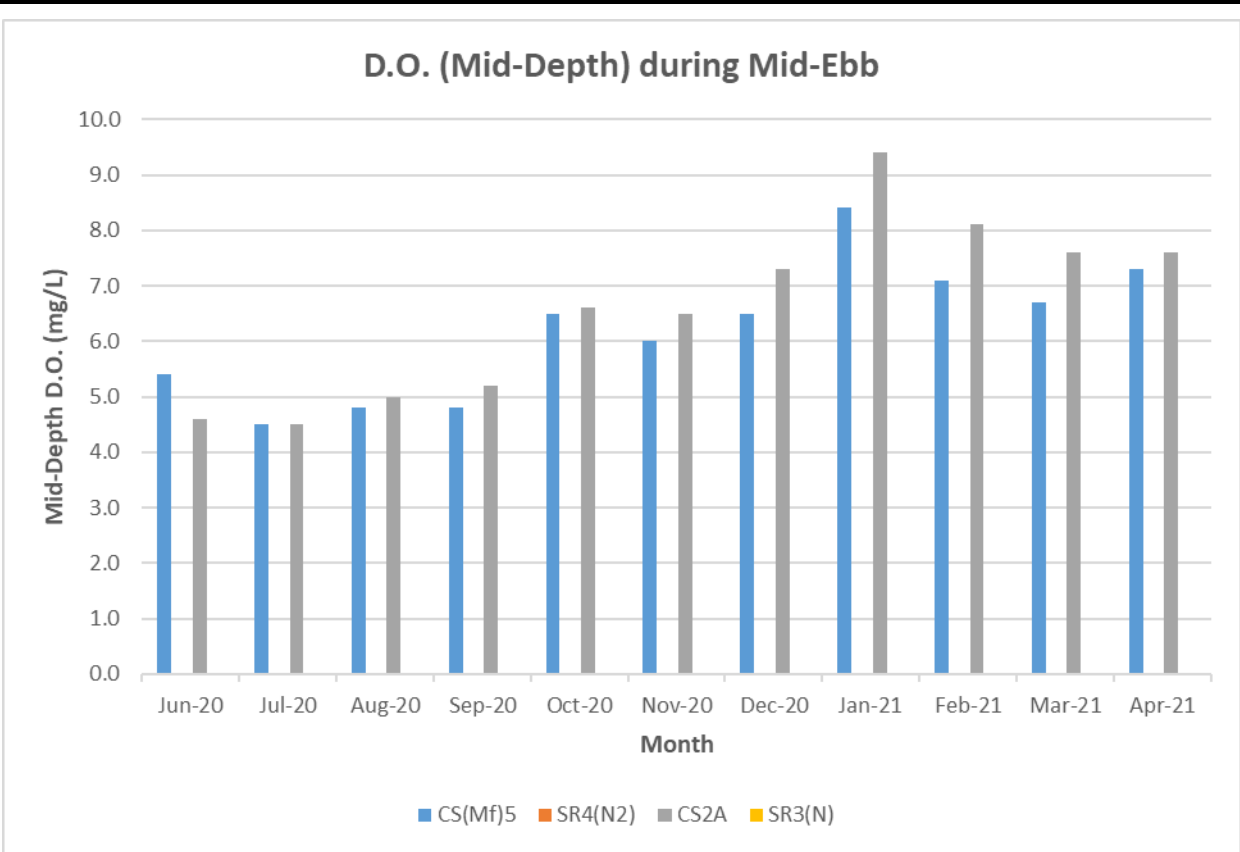


Figure G2 Operational Phase Monitoring - Mean Level of Dissolved Oxygen (mg/L) in mid-depth waters between 1 June 2020 and 30 April 2021. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_April 2021_graphs_Rev a.xls



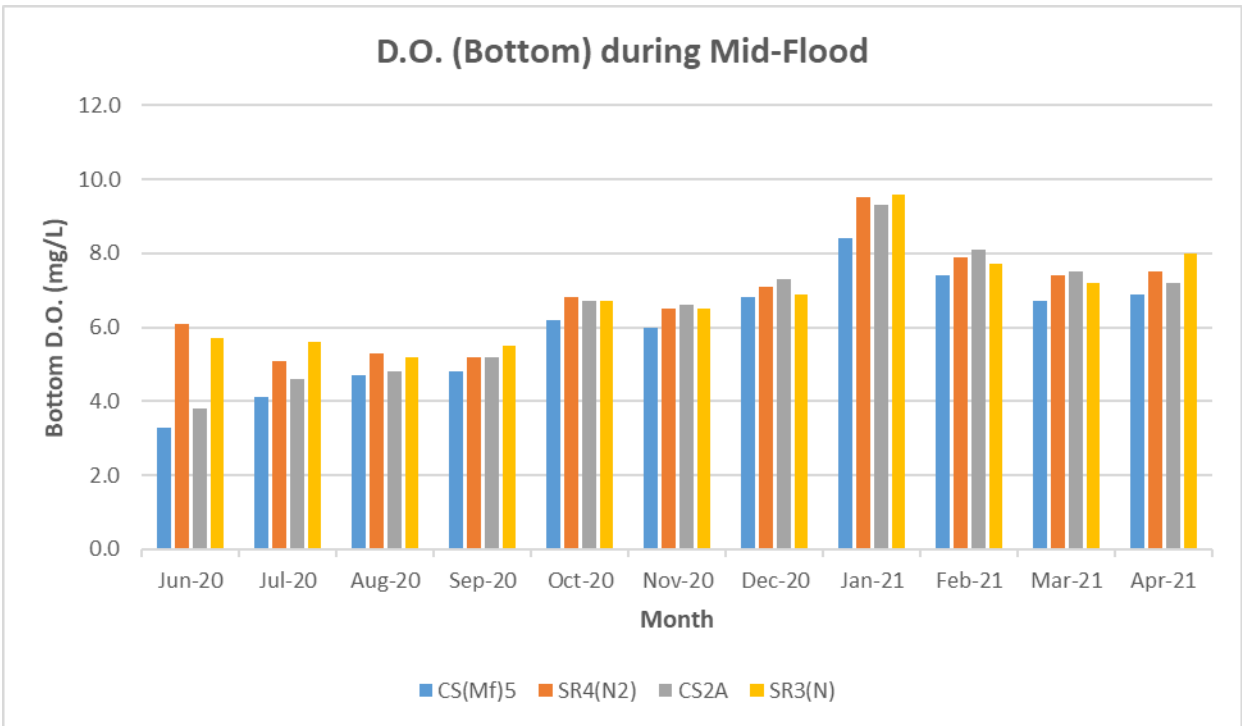
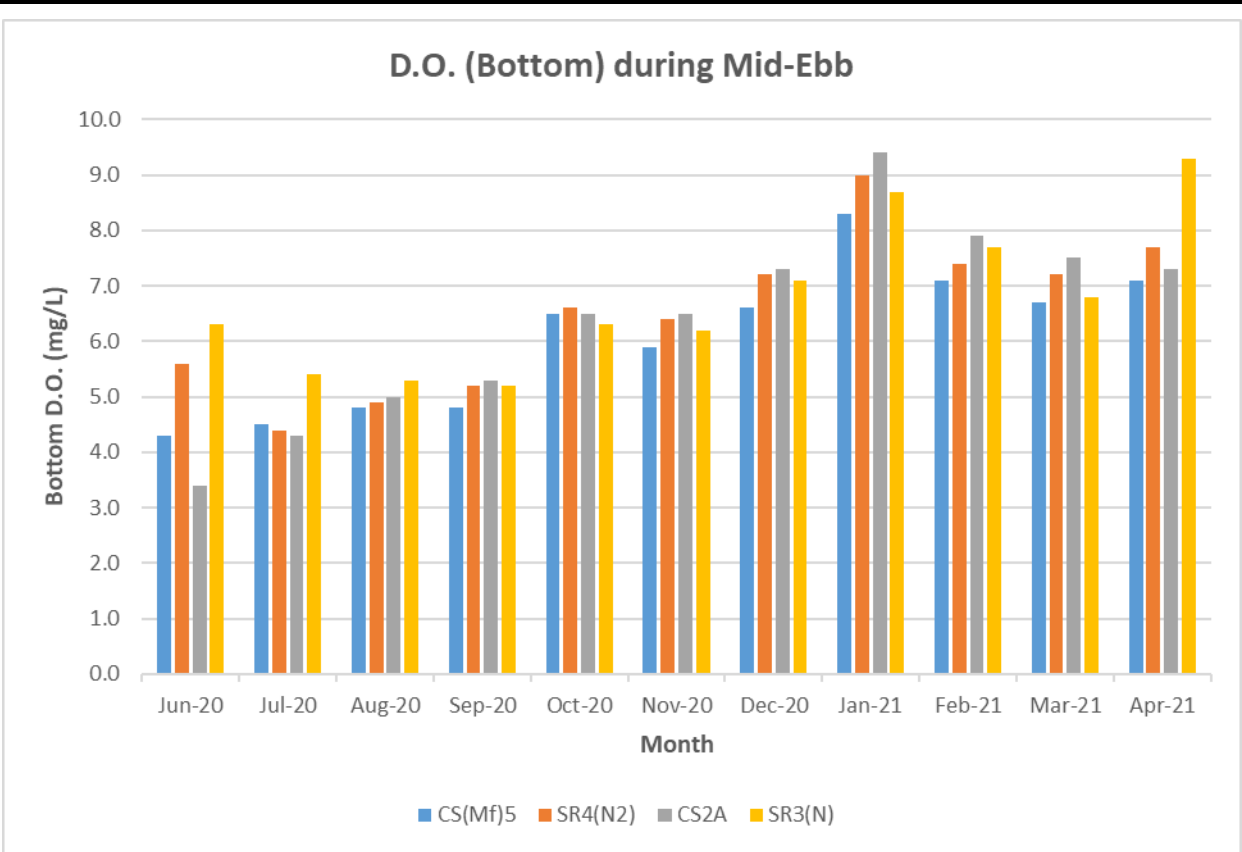


Figure G3 Operational Phase Monitoring - Mean Level of Dissolved Oxygen (mg/L) in bottom waters between 1 June 2020 and 30 April 2021. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_April 2021_graphs_Rev a.xls



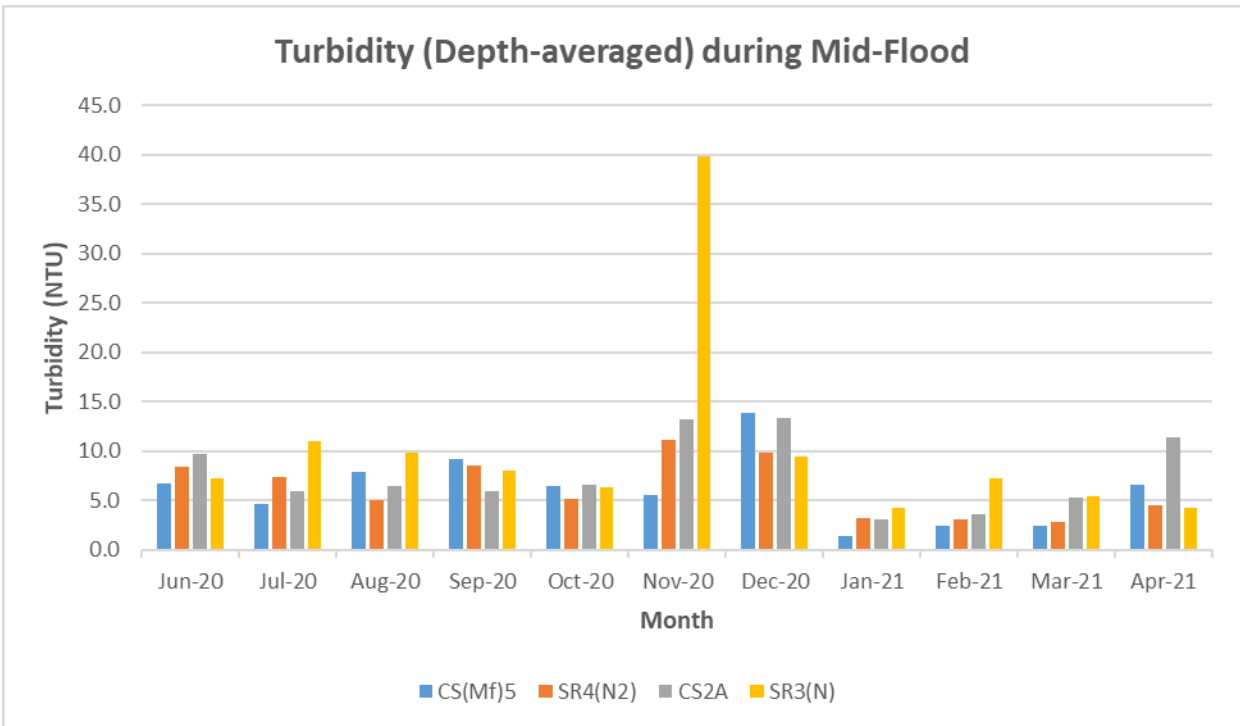
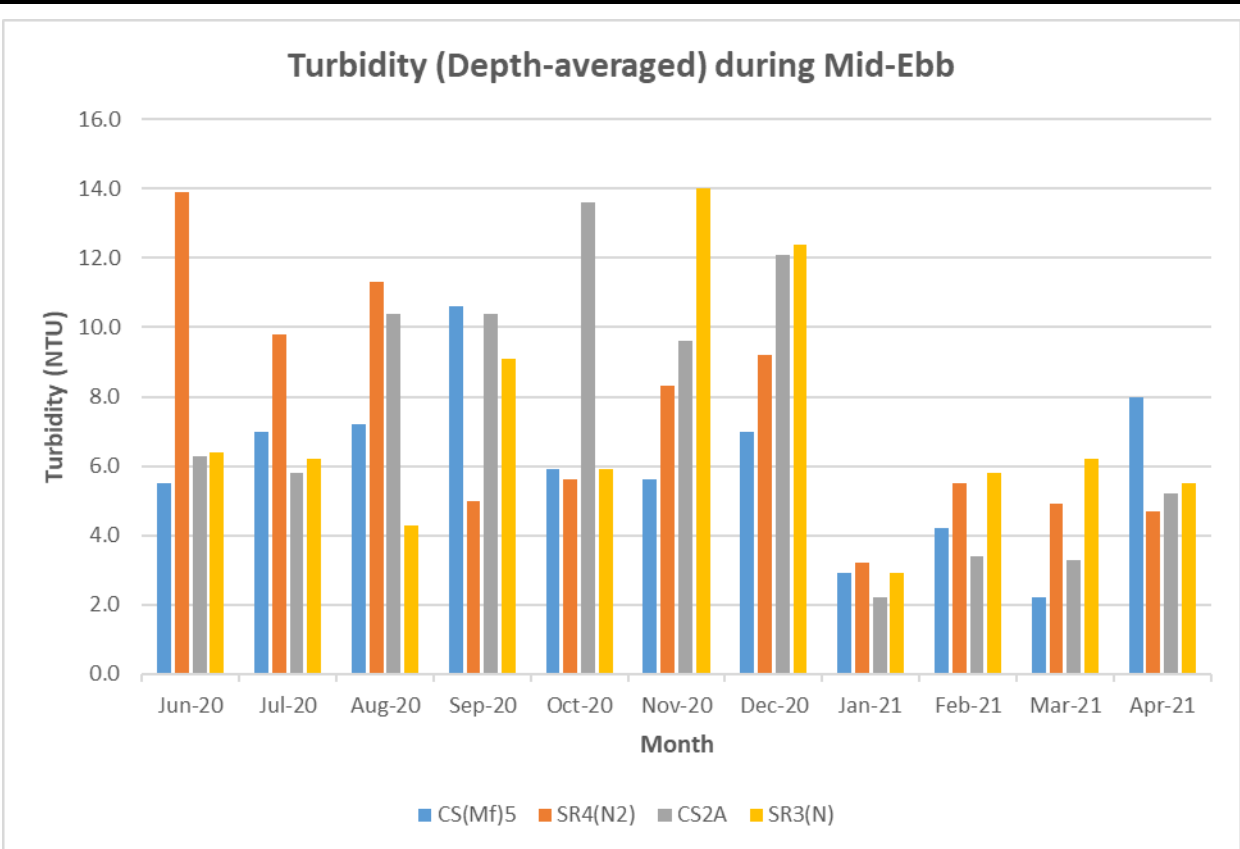


Figure G4 Operational Phase Monitoring - Mean Depth-averaged Level of Turbidity (NTU) between 1 June 2020 and 30 April 2021. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_April 2021_graphs_Rev a.xls



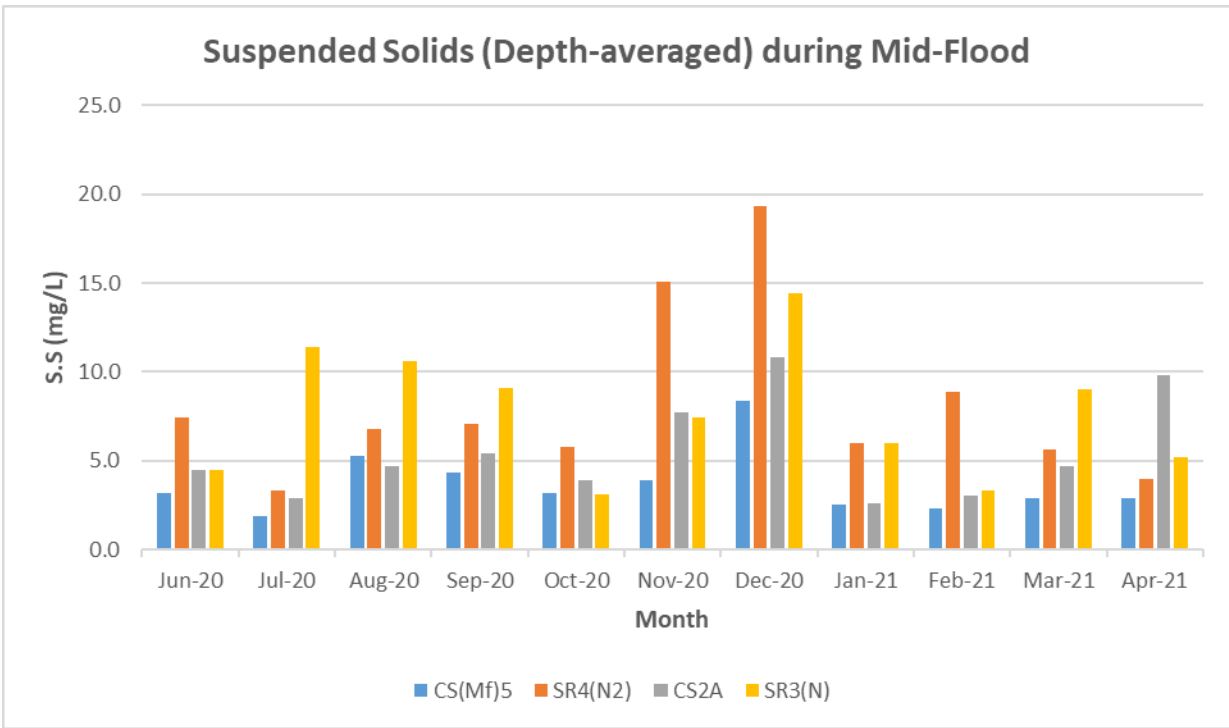
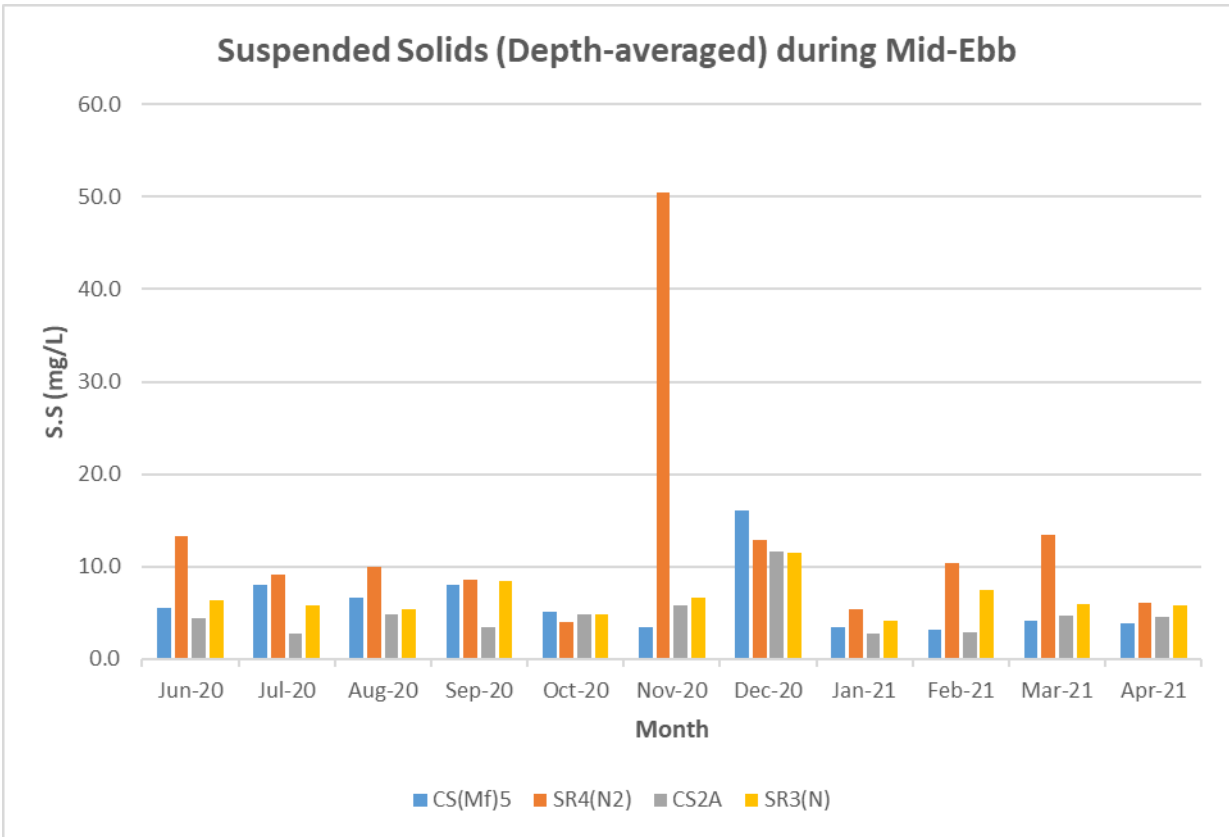


Figure G5 Operational Phase Monitoring – Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 June 2020 and 30 April 2021. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_April 2021_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)
14-04-21	Mid-Ebb	CS(M)5	Cloudy	Moderate	14:48	13.0	Surface	1.0	1	25.5	8.2	29.1	8.6	131.8	3.4	4.8	8.0	8.0	3.9
									2	25.3	8.1	29.4	8.7	125.4	3.3	4.5			
							Middle	6.5	1	24.7	8.0	30.3	7.2	102.8	9.1	4.2			
									2	24.7	8.0	30.4	7.3	103.6	9.5	3.3			
							Bottom	12.0	1	24.6	8.0	30.7	7.0	100.2	11.1	2.9			
									2	24.6	8.0	30.6	7.2	103.6	11.3	3.7			
		SR4(N2)	Cloudy	Calm	13:28	3.7	Surface	1.0	1	25.4	8.1	30.5	7.8	113.0	5.8	6.4	7.9	4.7	6.1
									2	25.4	8.1	30.5	7.9	114.3	5.3	5.4			
							Bottom	2.7	1	25.4	8.1	30.5	7.7	111.1	3.8	6.5			
									2	25.3	8.1	30.5	7.7	112.1	3.7	6.2			
							Surface	1.0	1	25.3	8.1	30.6	8.1	116.7	4.2	4.6			
									2	25.2	8.1	30.7	8.1	117.3	4.7	4.4			
		CS2A	Cloudy	Moderate	12:57	6.2	Surface	1.0	1	24.9	8.1	31.4	7.6	109.1	4.7	4.3	7.9	5.2	4.5
									2	24.7	8.1	31.4	7.6	109.0	5.1	4.2			
							Middle	3.1	1	24.4	8.1	31.5	7.2	103.6	6.1	4.7			
									2	24.3	8.1	31.5	7.3	104.2	6.3	4.5			
							Bottom	5.2	1	24.4	8.1	31.5	7.2	103.6	6.1	4.7			
									2	24.3	8.1	31.5	7.3	104.2	6.3	4.5			
		SR3(N)	Cloudy	Moderate	14:08	4.4	Surface	1.0	1	25.5	8.2	29.6	9.3	134.7	5.2	6.2	9.4	5.5	5.8
									2	25.5	8.2	29.6	9.4	135.7	5.0	6.0			
							Bottom	3.4	1	25.5	8.2	29.7	9.3	133.7	5.7	5.0			
									2	25.4	8.2	29.6	9.2	132.7	5.9	5.8			
							Surface	1.0	1	24.7	8.0	30.1	7.4	105.9	2.2	3.2			
									2	24.8	8.0	29.8	7.4	106.2	2.2	3.5			
14-04-21	Mid-Flood	CS(M)5	Cloudy	Moderate	7:16	12.5	Surface	1.0	1	24.7	8.0	30.1	7.4	105.9	2.2	3.2	7.2	6.6	2.9
									2	24.8	8.0	29.8	7.4	106.2	2.2	3.5			
							Middle	6.3	1	24.4	8.0	30.9	7.0	99.3	7.1	3.0			
									2	24.4	8.0	31.0	6.9	97.9	7.2	2.8			
							Bottom	11.5	1	24.4	8.0	31.1	6.9	98.4	10.7	2.3			
									2	24.4	8.0	31.1	6.9	98.2	10.2	2.7			
		SR4(N2)	Cloudy	Calm	8:32	3.5	Surface	1.0	1	25.1	8.1	30.4	7.5	108.7	4.2	3.6	7.6	4.5	4.0
									2	25.2	8.1	30.4	7.6	108.9	4.2	3.8			
							Bottom	2.5	1	25.1	8.1	30.5	7.5	107.6	4.6	3.9			
									2	25.1	8.1	30.5	7.5	107.7	5.0	4.7			
							Surface	1.0	1	24.4	8.1	31.3	7.2	103.0	10.5	10.2			
									2	24.4	8.1	31.3	7.2	103.3	10.5	10.4			
		CS2A	Cloudy	Moderate	9:07	6.4	Surface	1.0	1	24.3	8.1	31.4	7.2	102.6	11.4	10.2	7.2	11.4	9.8
									2	24.3	8.1	31.4	7.2	102.6	11.4	10.2			
							Middle	3.2	1	24.3	8.1	31.5	7.1	102.0	11.3	9.3			
									2	24.3	8.1	31.5	7.1	102.0	11.3	9.3			
							Bottom	5.4	1	24.3	8.1	31.5	7.2	102.7	12.4	9.1			
									2	24.3	8.1	31.4	7.2	102.4	12.4	9.6			
		SR3(N)	Cloudy	Calm	8:00	4.2	Surface	1.0	1	24.9	8.1	29.5	8.0	114.6	4.0	5.9	8.1	4.3	5.2
									2	24.9	8.1	29.5	8.1	115.3	3.9	5.6			
							Bottom	3.2	1	24.9	8.1	29.5	7.9	113.3	4.6	4.6			
									2	24.9	8.1	29.5	8.0	114.4	4.8	4.7			
							Surface	1.0	1	24.9	8.1	29.5	8.0	114.6	4.0	5.9			
									2	24.9	8.1	29.5	8.1	115.3	3.9	5.6			