

Appendix J

Operational
Phase Water
Quality
Monitoring
Results

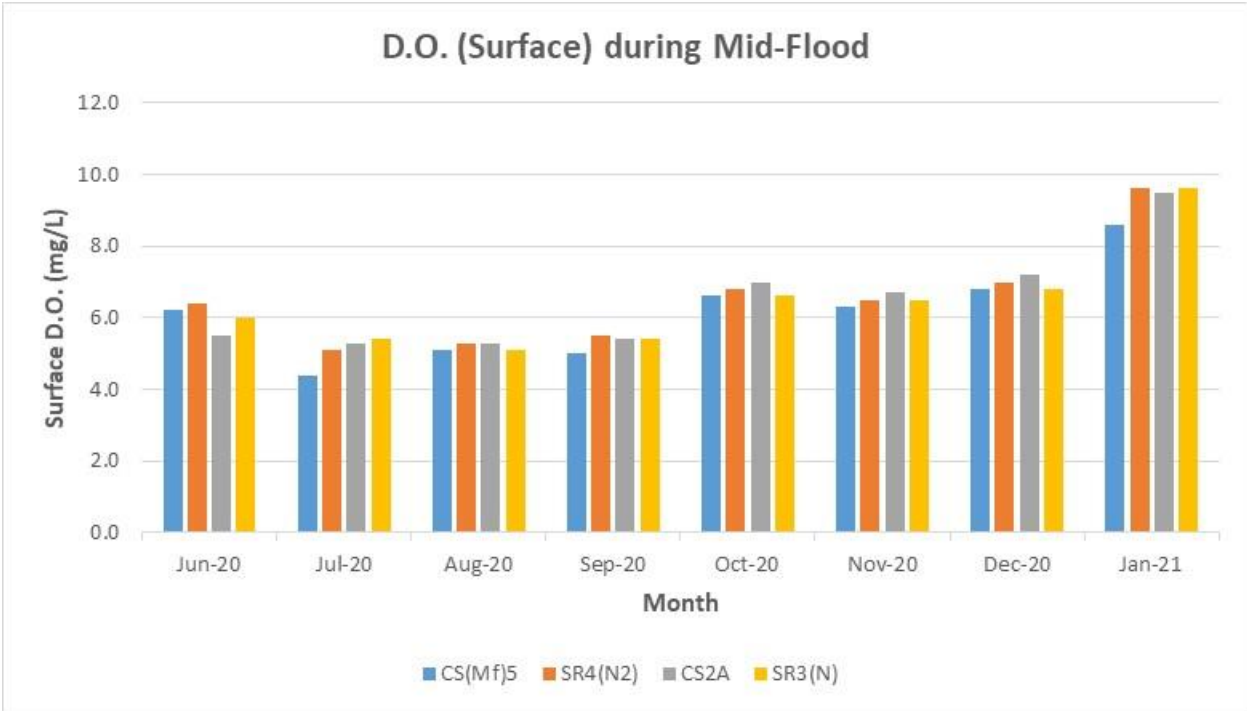
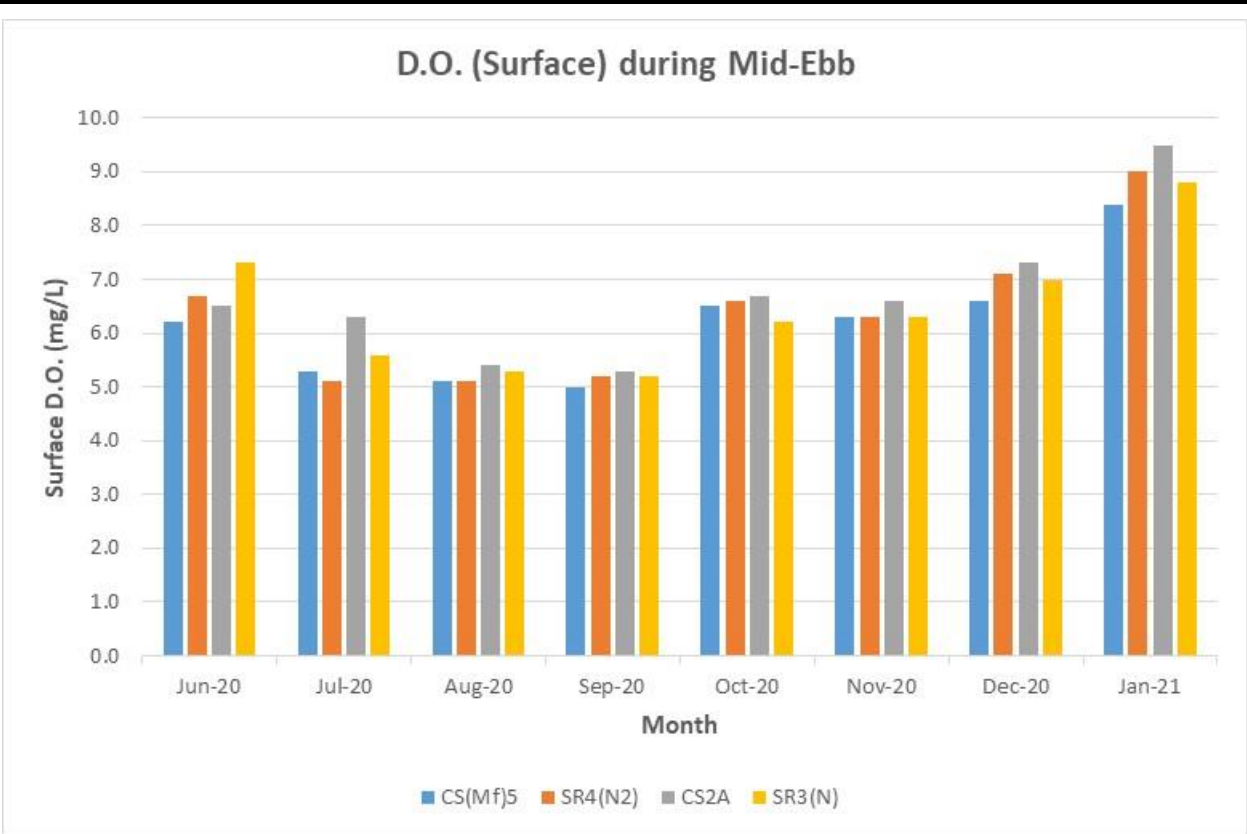


Figure J1 Operational Phase Monitoring - Mean Level of Dissolved Oxygen (mg/L) in surface waters between 1 June 2020 and 31 January 2021. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_January 2021_graphs_Rev a.xls



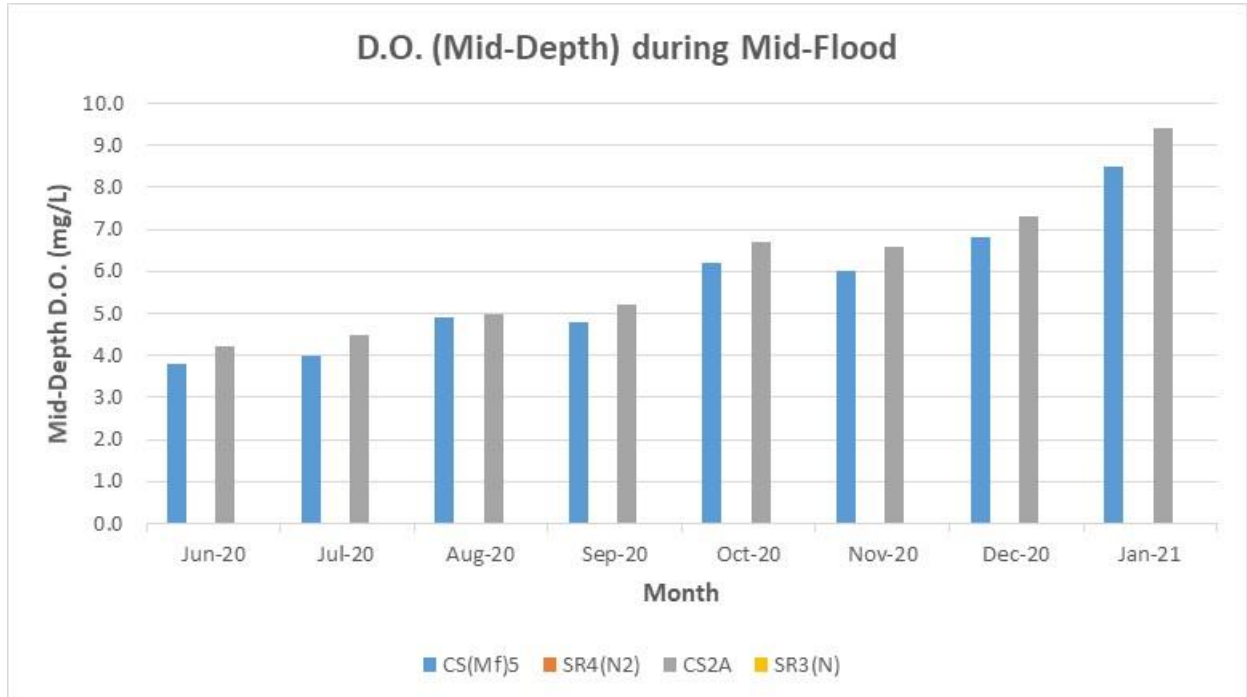
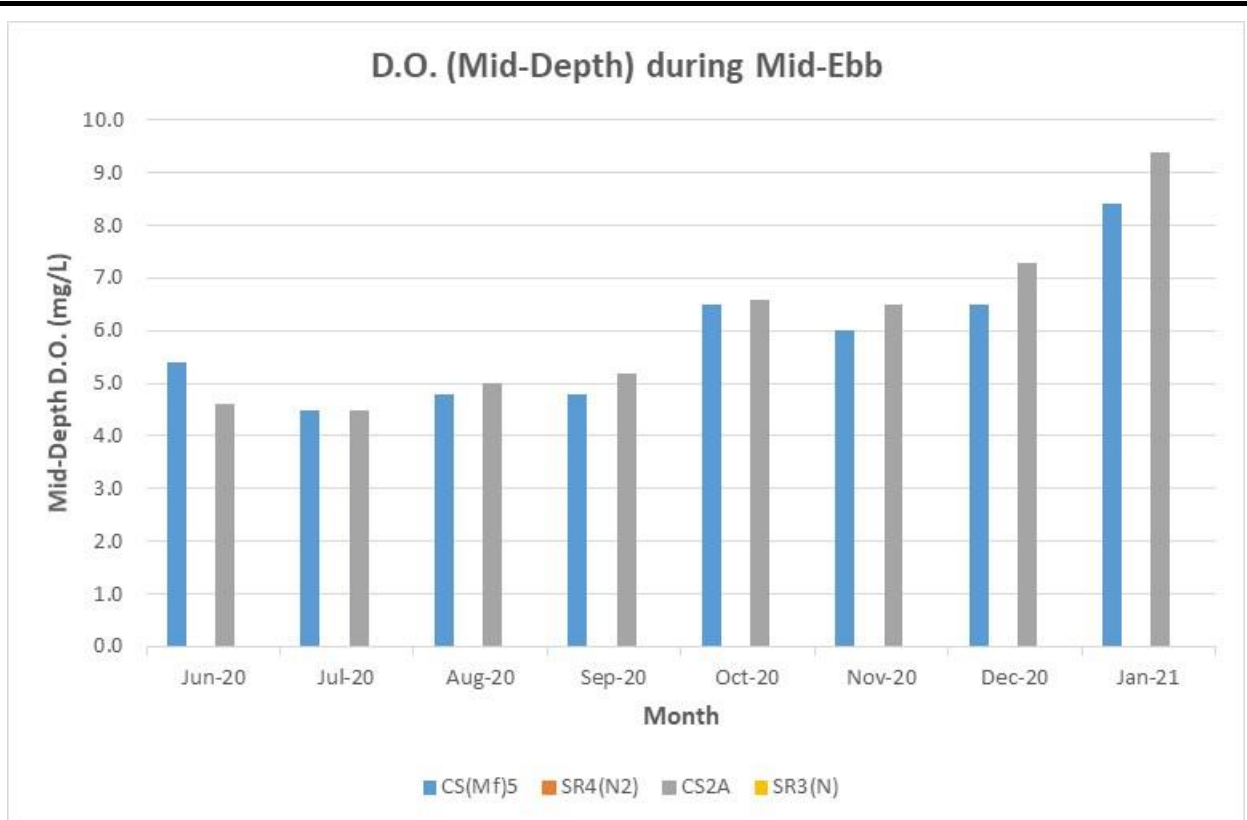


Figure J2 Operational Phase Monitoring - Mean Level of Dissolved Oxygen (mg/L) in mid-depth waters between 1 June 2020 and 31 January 2021. The weather conditions during the monitoring period varied mostly from sunny to cloudy.



Ref: 0212330_Impact-WQM_January 2021_graphs_Rev a.xls

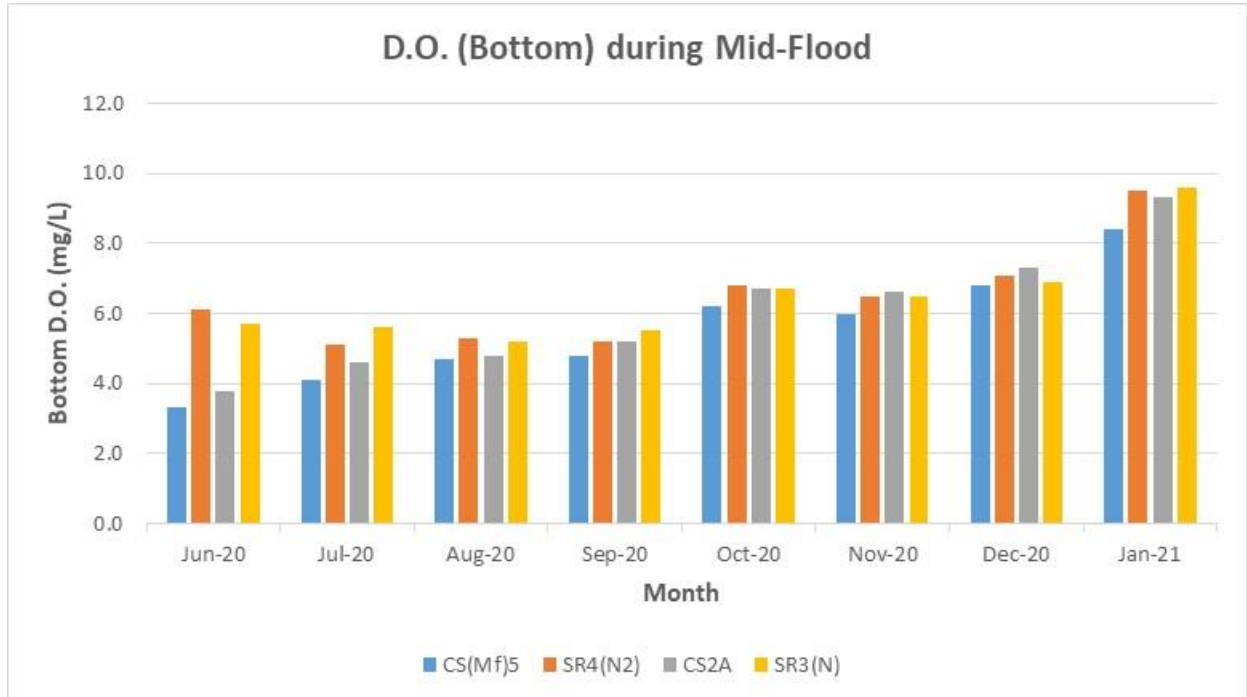
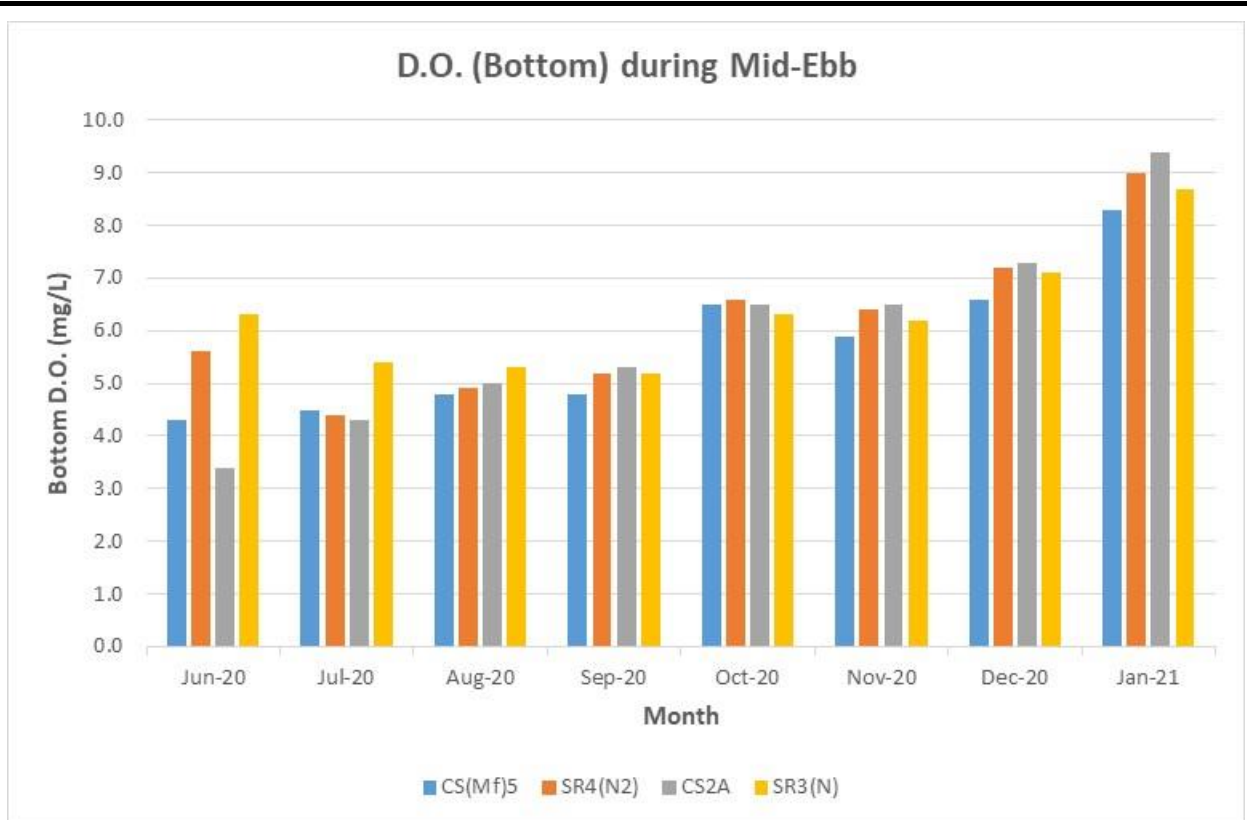


Figure J3 Operational Phase Monitoring - Mean Level of Dissolved Oxygen (mg/L) in bottom waters between 1 June 2020 and 31 January 2021. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_January 2021_graphs_Rev a.xls



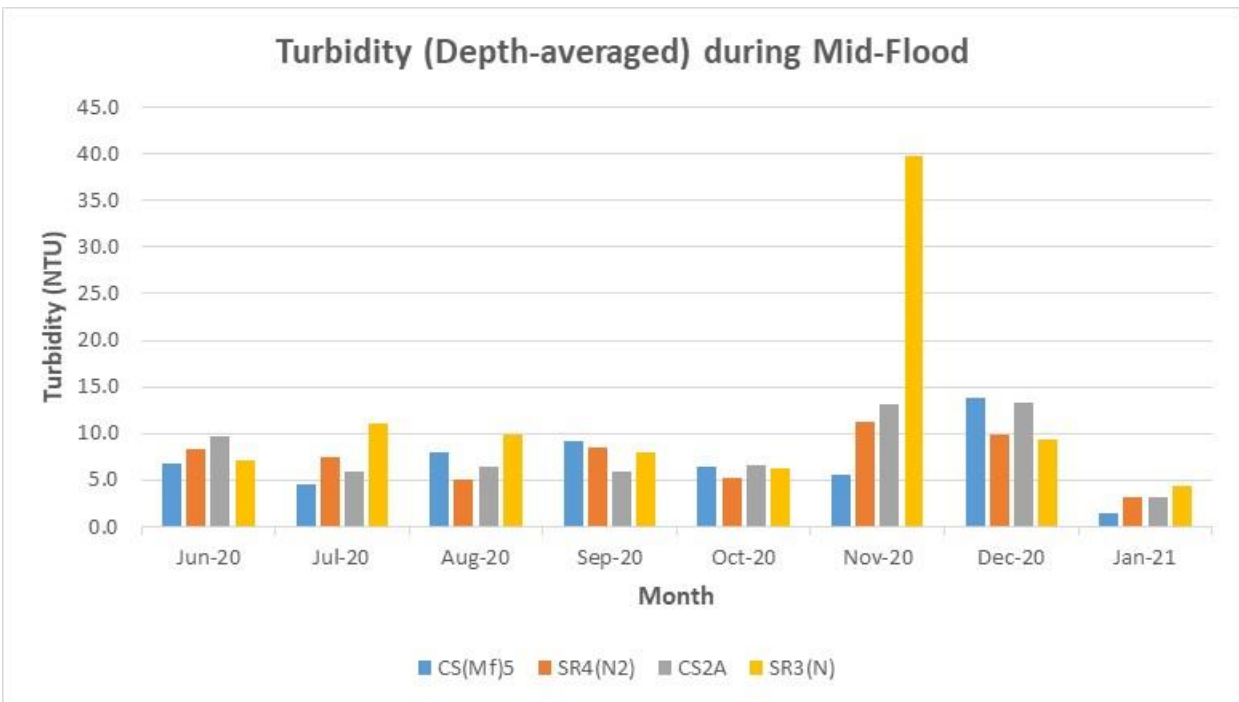
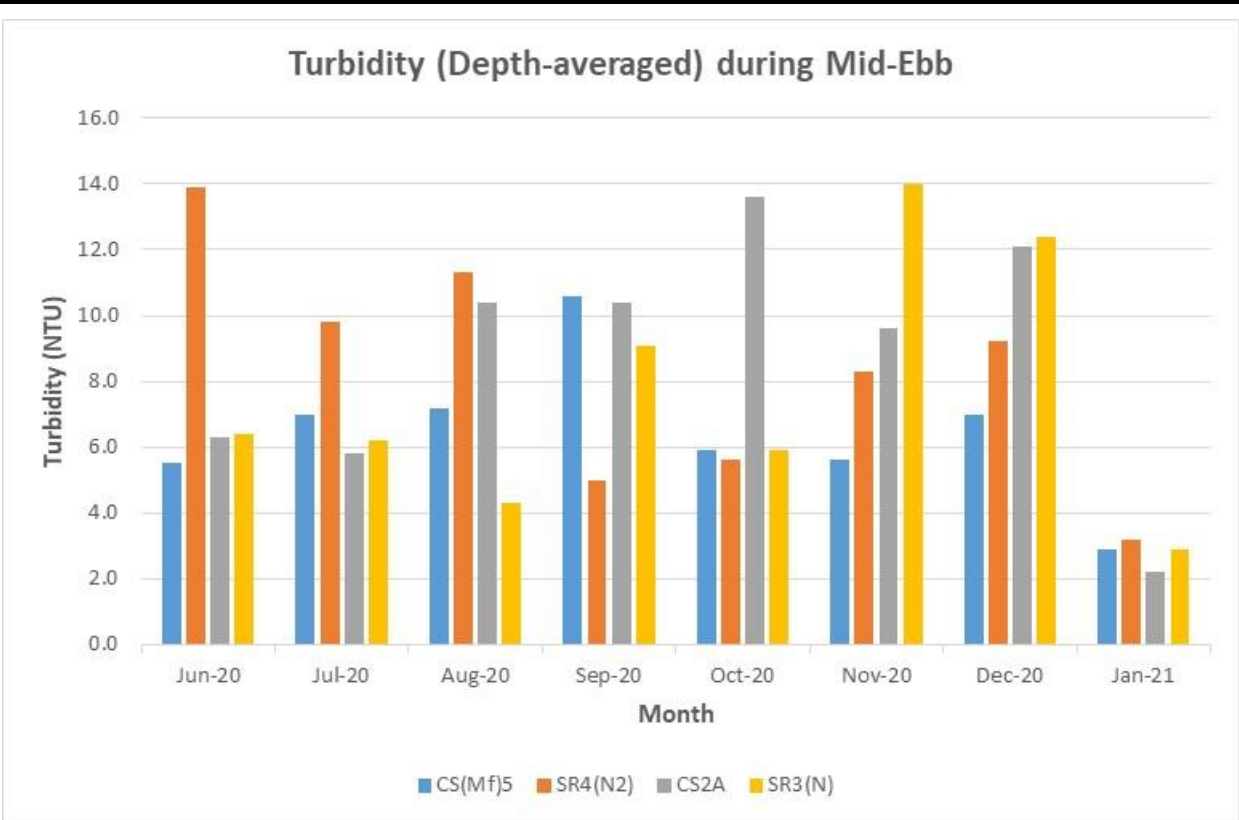


Figure J4 Operational Phase Monitoring - Mean Depth-averaged Level of Turbidity (NTU) between 1 June 2020 and 31 January 2021. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_January 2021_graphs_Rev a.xls



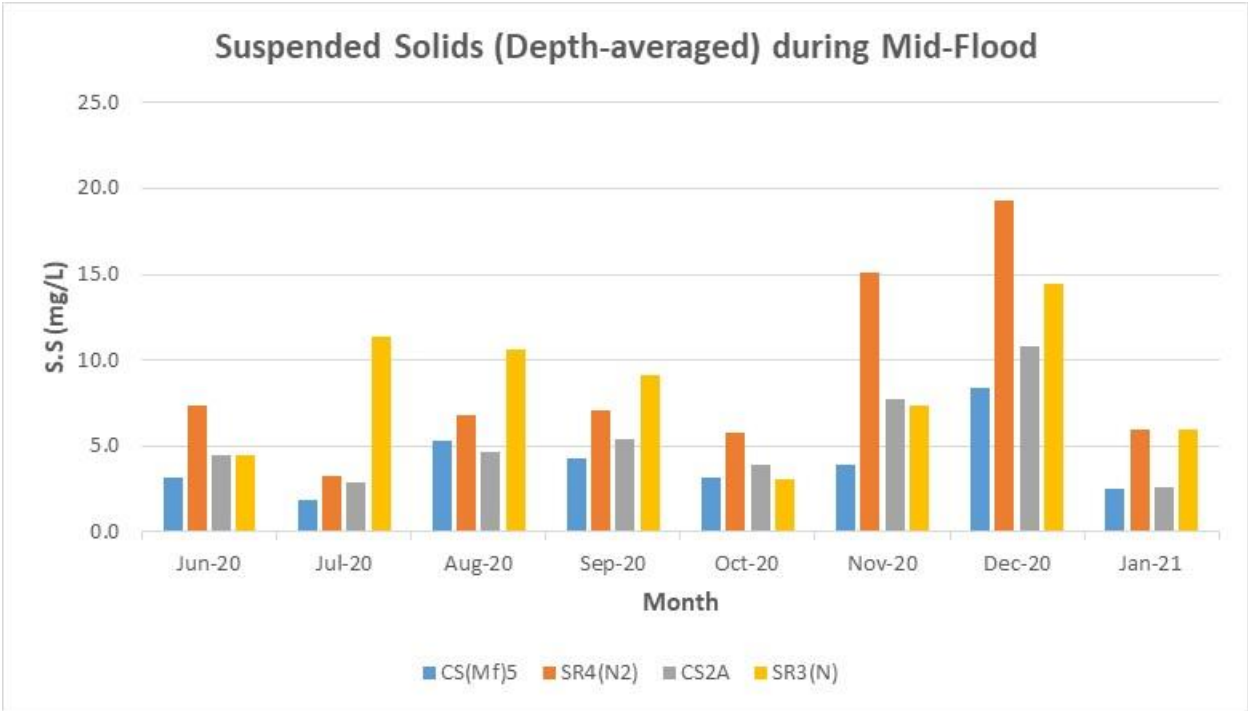
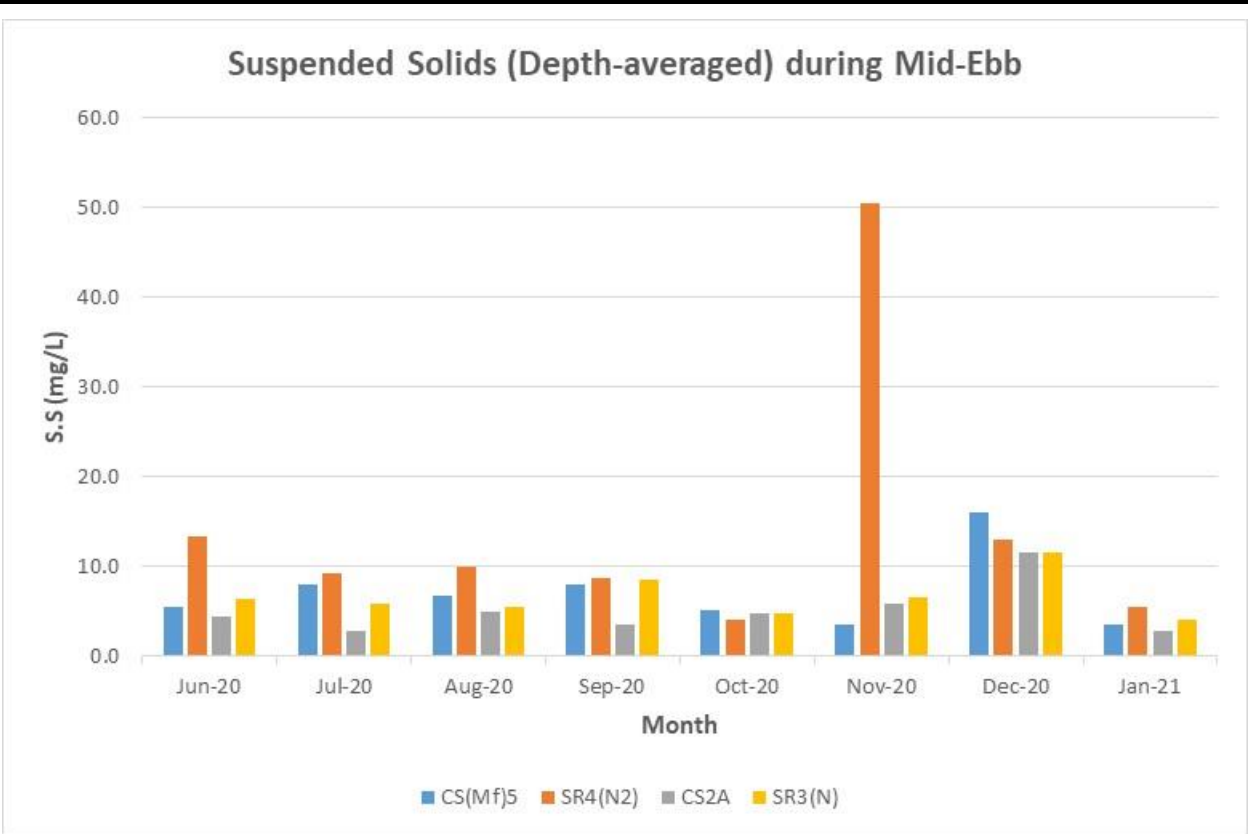


Figure J5 Operational Phase Monitoring – Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 June 2020 and 31 January 2021. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_January 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)						
25-01-21	Mid-Ebb	CS(M)5	Cloudy	Moderate	9:52	13.0	Surface	1.0	1	17.1	8.0	32.0	8.5	106.9	1.4	2.9	8.4	2.9	3.5						
									2	17.1	8.0	32.1	8.5	106.6	1.5	2.6									
							Middle	6.5	1	17.0	8.0	32.3	8.3	104.1	2.6	3.4									
									2	17.0	8.0	32.3	8.4	105.8	2.2	3.4									
							Bottom	12.0	1	17.0	8.0	32.3	8.2	102.8	5.1	4.5									
									2	17.0	8.0	32.3	8.4	105.6	4.8	4.4									
		SR4(N2)	Cloudy	Calm	11:22	3.3	Surface	1.0	1	18.1	8.1	31.6	9.0	114.7	3.3	4.5	9.0	3.2	5.4						
									2	18.1	8.1	31.6	9.0	115.3	2.8	4.8									
							Bottom	2.3	1	18.1	8.1	31.6	8.9	113.9	3.7	6.2									
									2	18.1	8.1	31.6	9.0	115.0	3.1	5.9									
							CS2A	11:58	Moderate	Surface	1.0	1	17.4	8.1	32.3	9.5				119.6	2.2	2.1	9.5	2.2	2.7
											2	17.3	8.2	32.3	9.5	120.4				2.2	2.4				
		Middle	3.1	1	17.3	8.1	32.3	9.4	119.0	2.3	2.6														
				2	17.2	8.2	32.3	9.4	119.2	2.1	2.8														
		Bottom	5.2	1	17.2	8.1	32.3	9.3	117.6	2.4	3.0														
				2	17.2	8.2	32.3	9.5	119.5	2.2	3.4														
		SR3(N)	Cloudy	Calm	10:45	4.0	Surface	1.0	1	17.5	8.1	31.7	8.7	110.6	2.7	4.6	8.8	2.9	4.1						
									2	17.5	8.1	31.7	8.9	112.9	3.0	4.5									
							Bottom	3.0	1	17.5	8.1	31.7	8.6	109.1	2.6	3.8									
									2	17.5	8.1	31.7	8.8	111.7	3.1	3.5									
							CS2A	14:20	Moderate	Surface	1.0	1	17.4	8.1	32.1	8.5				108.1	1.3	3.0	8.5	1.4	2.5
											2	17.8	8.1	32.0	8.7	110.4				1.3	2.6				
		Middle	6.3	1	17.0	8.1	32.3	8.4	105.9	1.4	2.4														
				2	17.0	8.1	32.4	8.5	106.7	1.4	2.3														
Bottom	11.5	1	17.0	8.1	32.4	8.3	104.4	1.7	2.2																
		2	17.0	8.1	32.4	8.5	107.0	1.4	2.2																
SR4(N2)	Cloudy	Calm	14:56	3.9	Surface	1.0	1	17.9	8.2	31.9	9.5	121.9	3.2	4.9	9.6	3.2	6.0								
							2	18.1	8.2	31.9	9.6	123.1	3.2	5.3											
					Bottom	2.9	1	17.8	8.2	31.9	9.5	120.4	3.3	6.6											
							2	18.0	8.2	31.8	9.5	121.6	3.0	7.0											
					CS2A	14:20	Moderate	Surface	1.0	1	17.5	8.2	32.3	9.4				119.2	2.9	2.1	9.5	3.1	2.6		
									2	17.6	8.2	32.2	9.6	121.8				2.4	2.3						
Middle	3.2	1	17.2	8.2	32.3	9.3	117.5	3.4	2.6																
		2	17.2	8.2	32.3	9.5	119.9	3.0	2.8																
Bottom	5.3	1	17.2	8.1	32.3	9.2	116.4	3.8	3.1																
		2	17.2	8.2	32.3	9.4	118.9	3.3	2.8																
SR3(N)	Cloudy	Calm	15:49	4.1	Surface	1.0	1	17.8	8.2	31.8	9.5	121.0	4.7	6.4	9.6	4.3	6.0								
							2	18.1	8.2	31.7	9.6	122.3	3.8	6.8											
					Bottom	3.1	1	17.7	8.2	31.7	9.5	119.9	4.7	5.6											
							2	17.7	8.2	31.6	9.6	121.6	3.9	5.2											