

Appendix J

Operational
Phase Water
Quality
Monitoring
Results

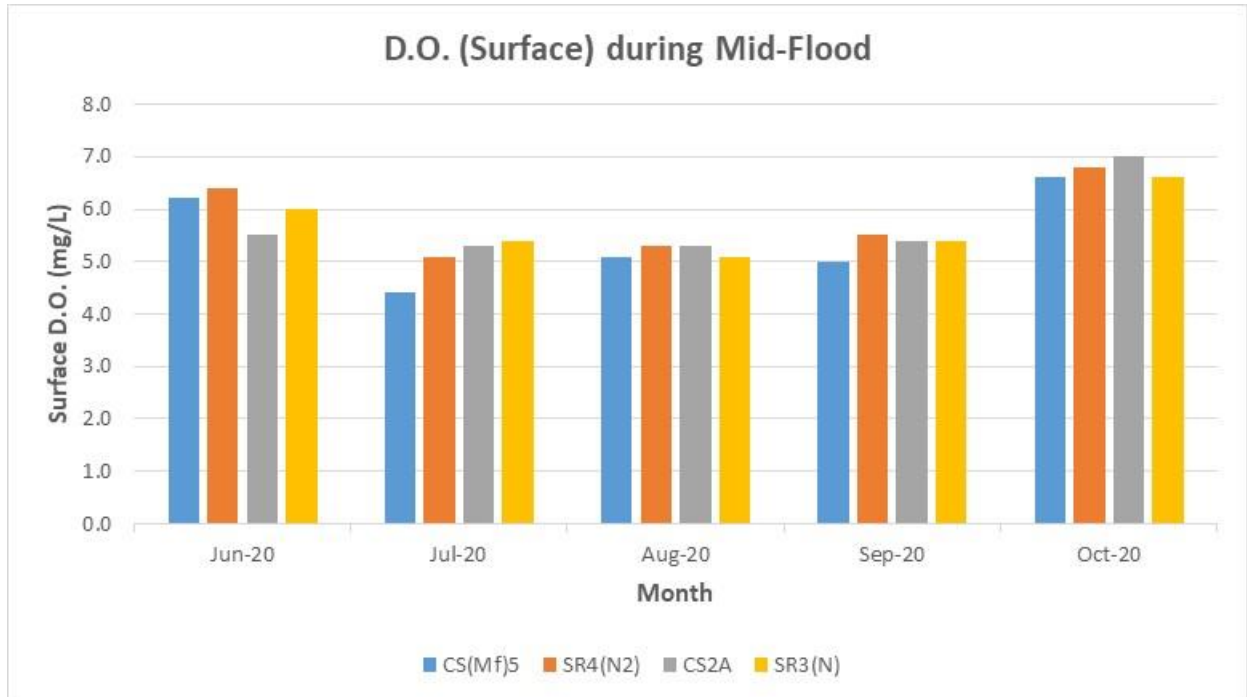
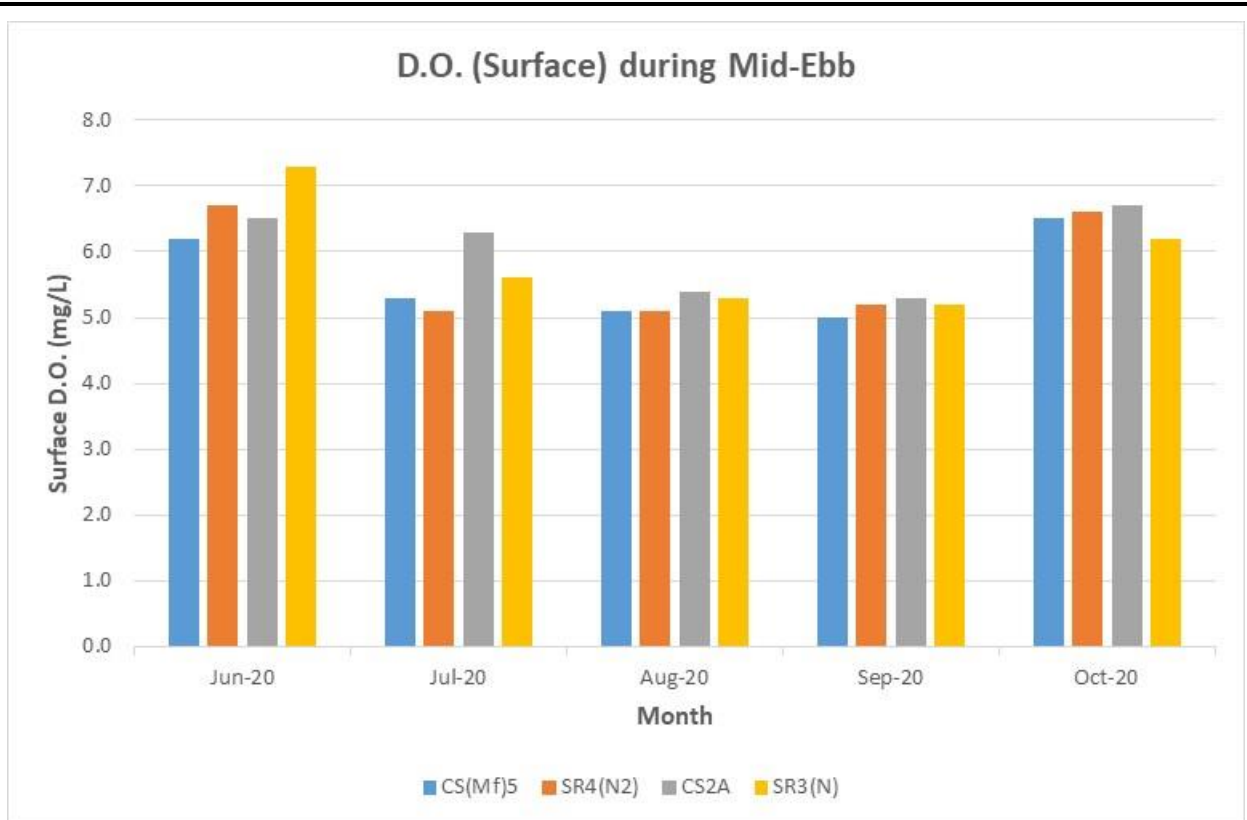


Figure J1 Operational Phase Monitoring - Mean Level of Dissolved Oxygen (mg/L) in surface waters between 1 June 2020 and 31 October 2020. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_October 2020 _graphs_Rev a.xls



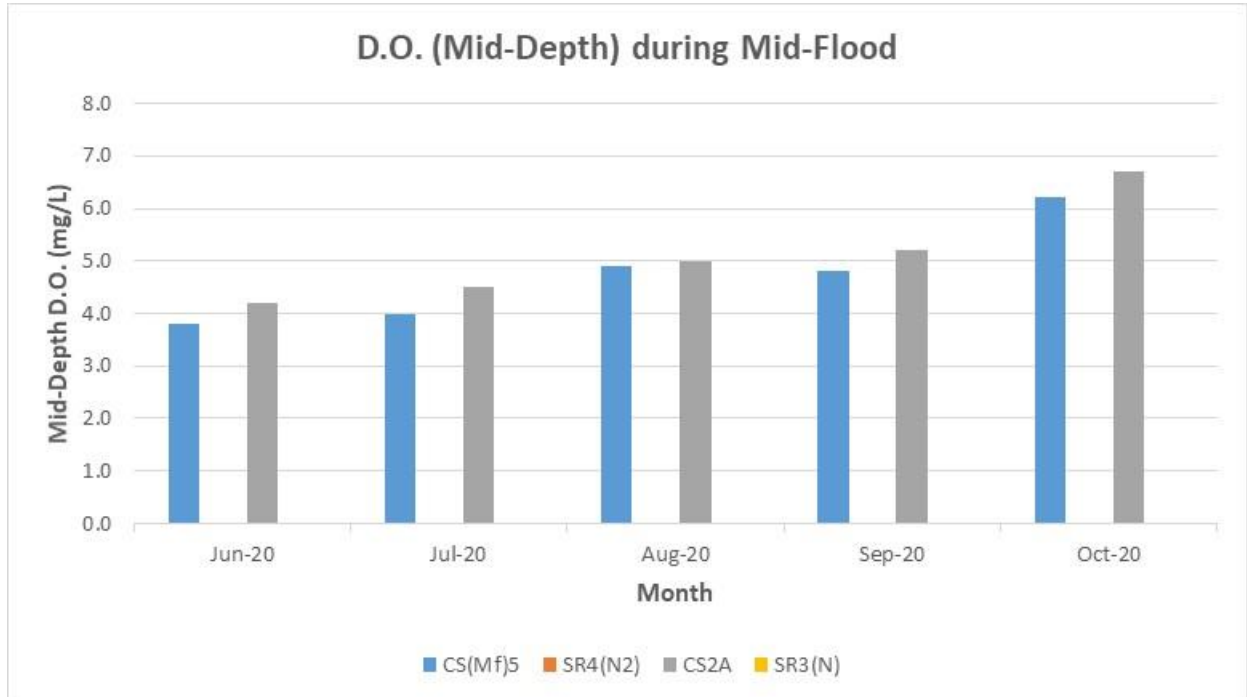
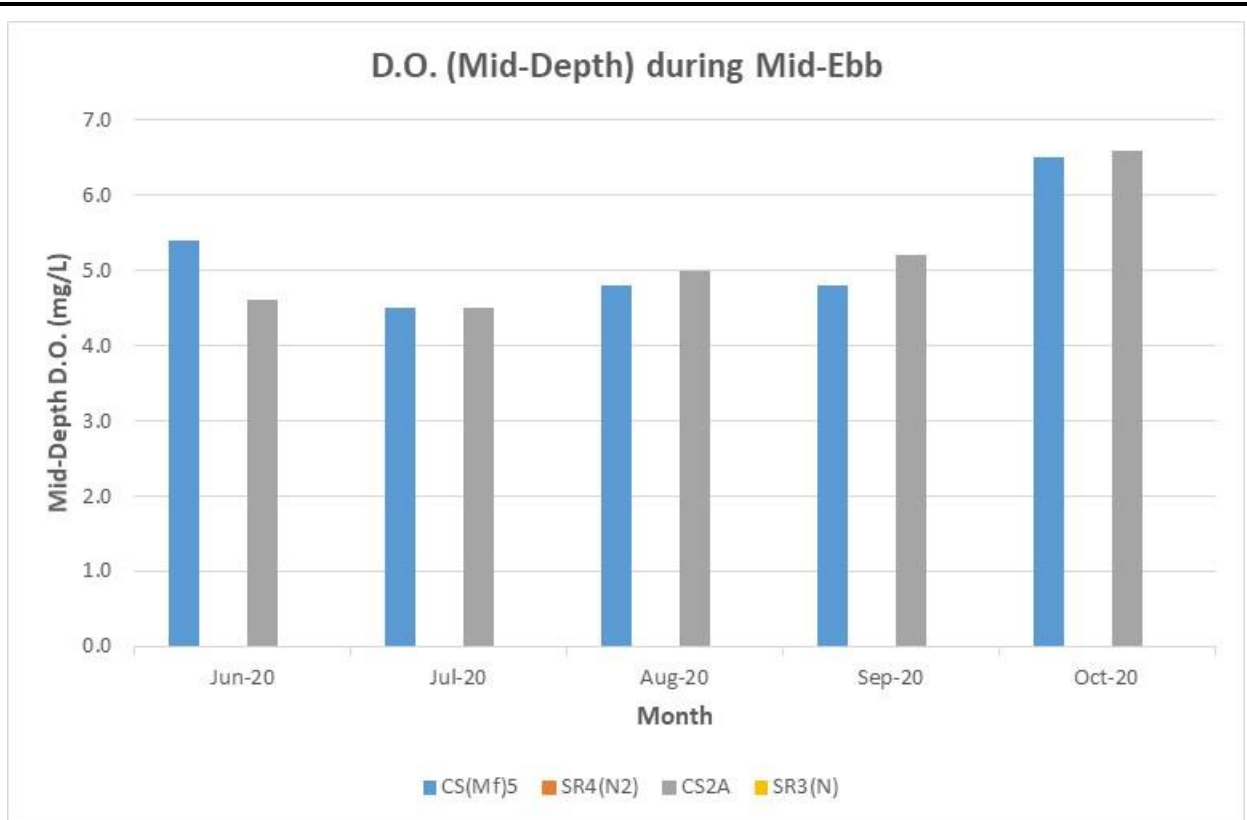


Figure J2 Operational Phase Monitoring - Mean Level of Dissolved Oxygen (mg/L) in mid-depth waters between 1 June 2020 and 31 October 2020. The weather conditions during the monitoring period varied mostly from sunny to cloudy.



Ref: 0212330_Impact-WQM_October 2020_graphs_Rev a.xls

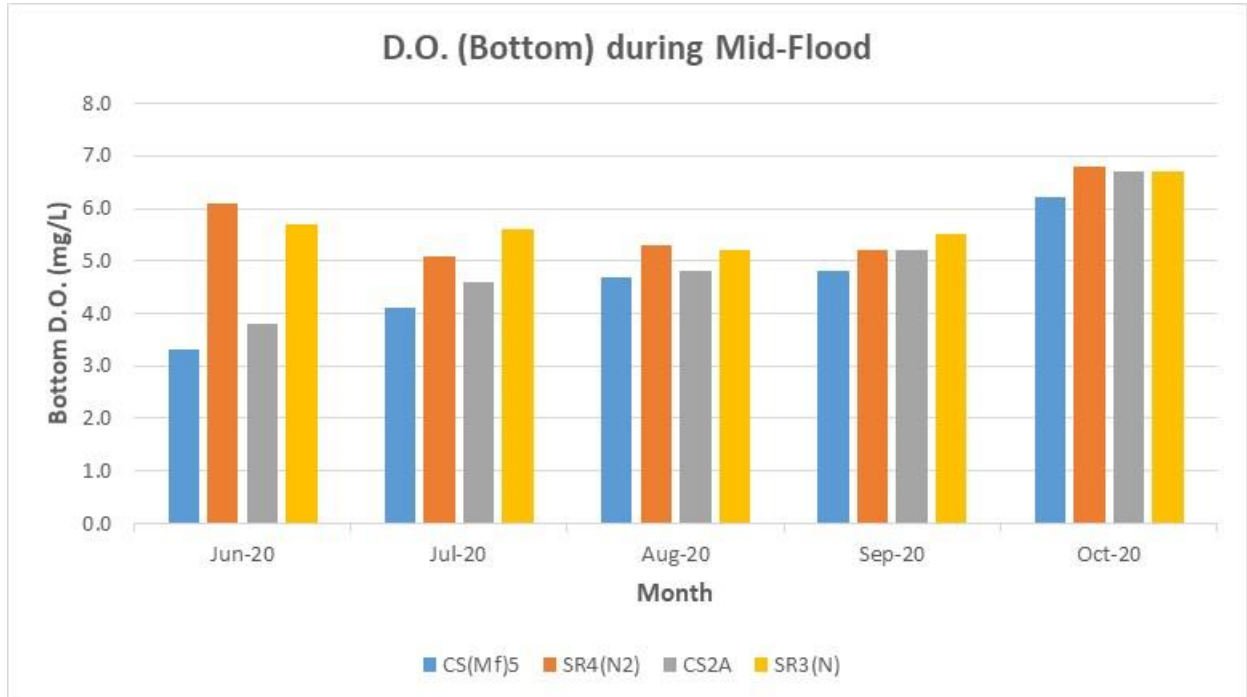
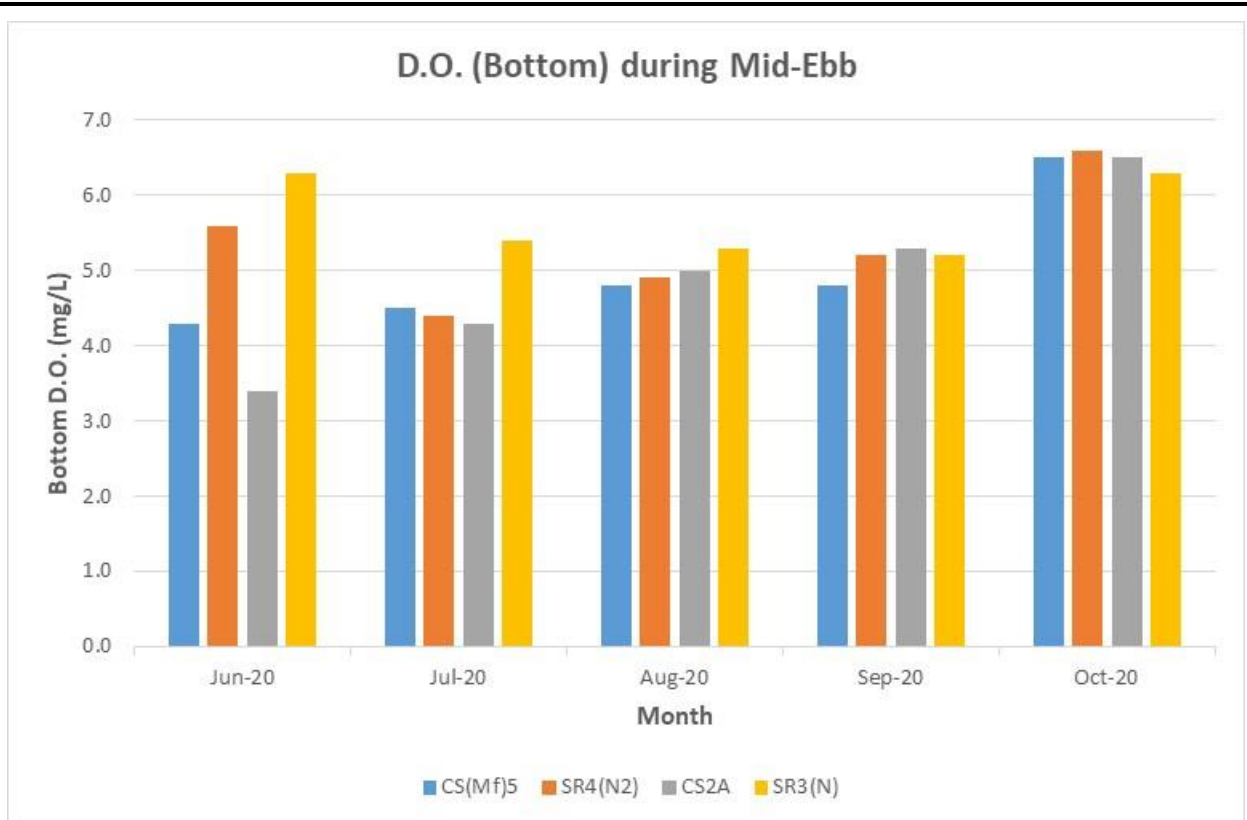


Figure J3 Operational Phase Monitoring - Mean Level of Dissolved Oxygen (mg/L) in bottom waters between 1 June 2020 and 31 October 2020. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_October 2020 _graphs_Rev a.xls



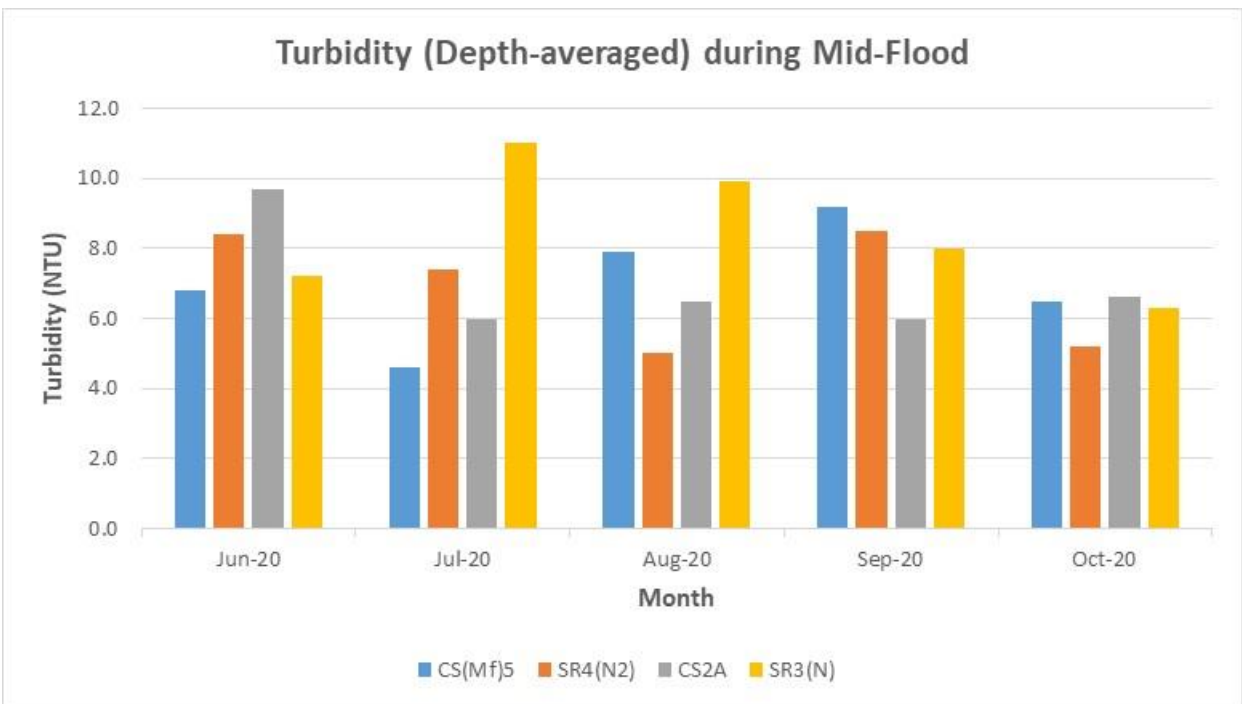
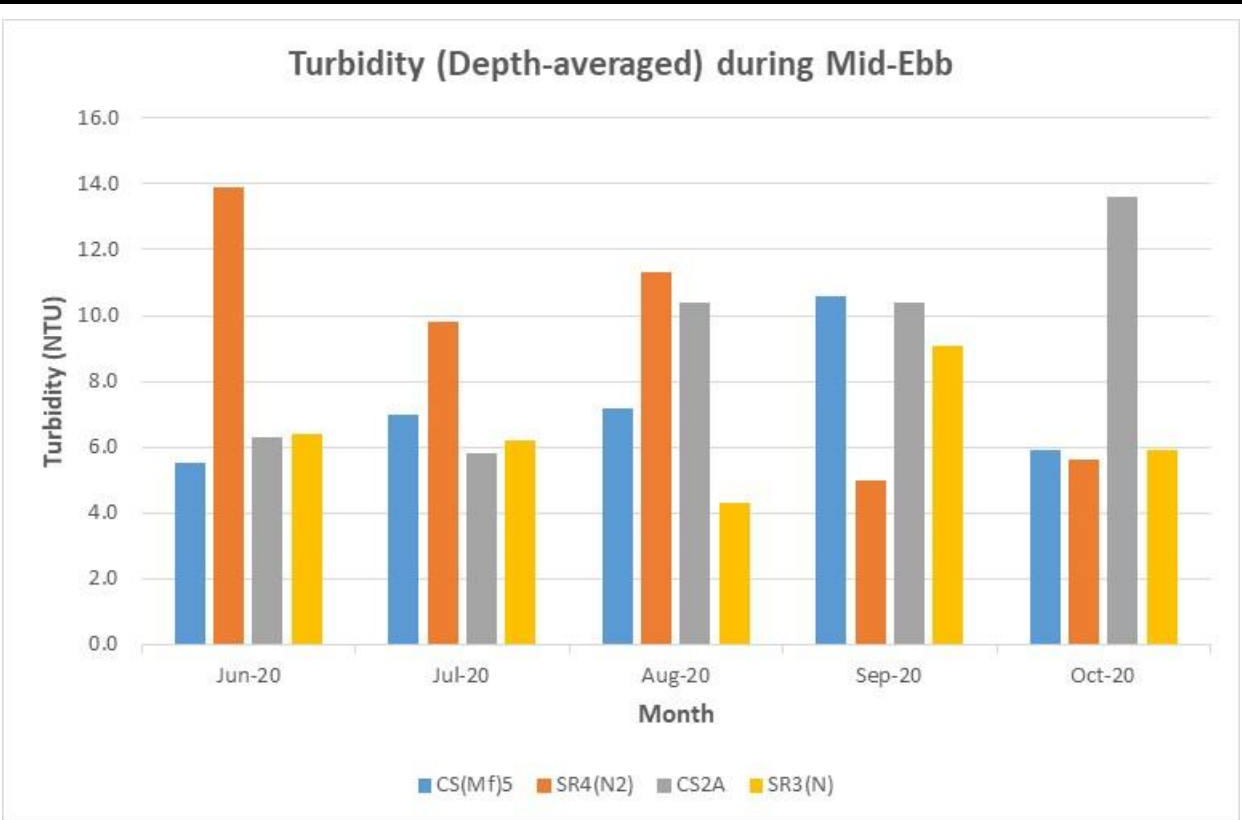


Figure J4 Operational Phase Monitoring - Mean Depth-averaged Level of Turbidity (NTU) between 1 June 2020 and 31 October 2020. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_October 2020 _graphs_Rev a.xls



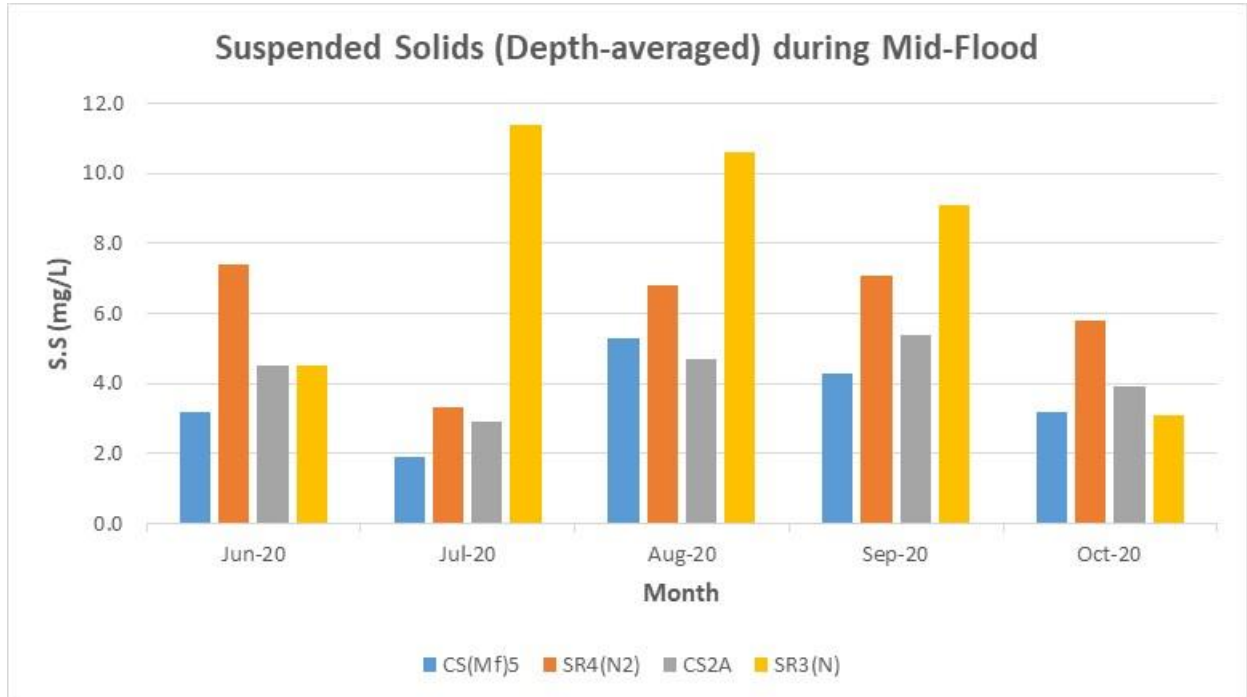
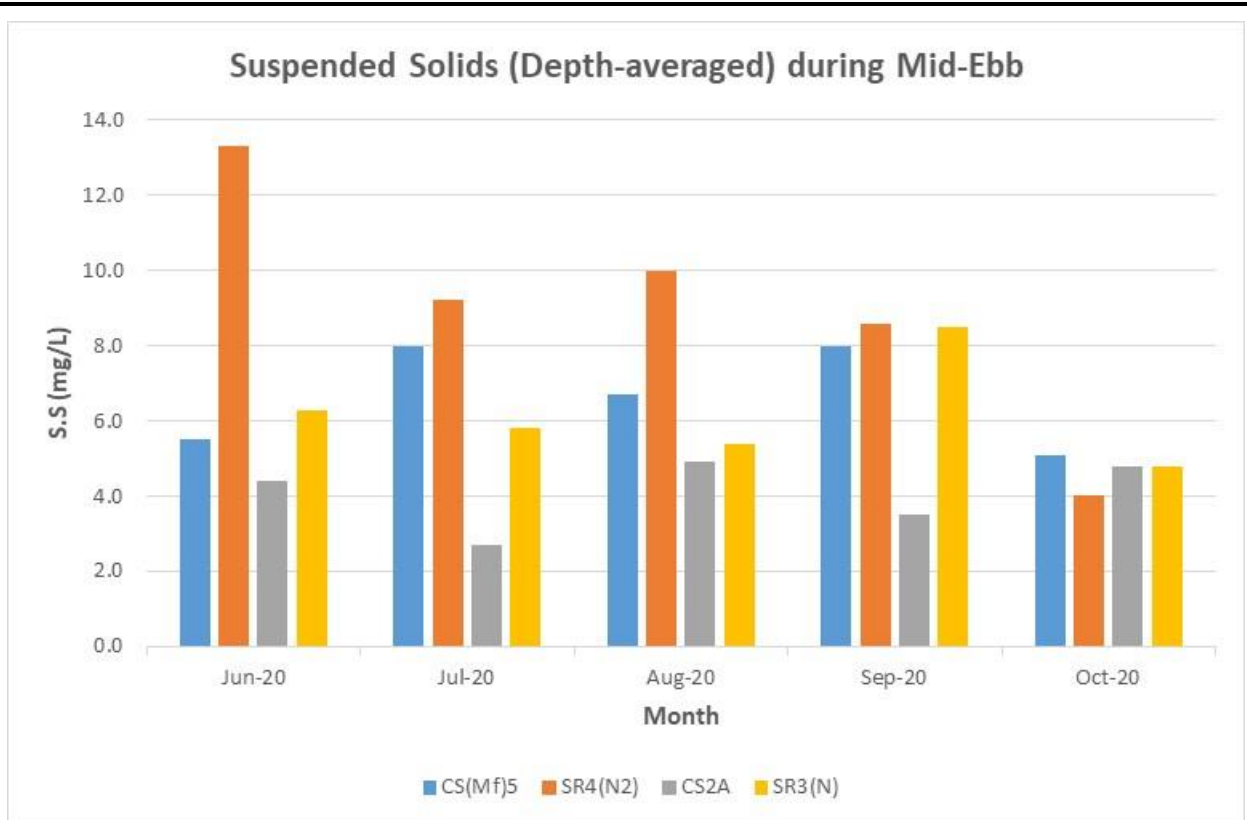


Figure J5 Operational Phase Monitoring – Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 June 2020 and 31 October 2020. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_October 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)
26-10-20	Mid-Ebb	CS(M05)	Sunny	Moderate	8:25	12.6	Surface	1.0	1	24.7	8.2	32.1	6.5	93.9	4.5	6.0	6.5	5.9	5.1
									2	24.7	8.2	32.1	6.5	93.8	4.5	5.7			
							Middle	6.3	1	24.5	8.2	32.2	6.5	93.2	6.2	5.2			
									2	24.5	8.2	32.2	6.5	93.2	6.3	4.9			
							Bottom	11.6	1	24.5	8.3	32.2	6.5	93.5	6.7	4.4			
									2	24.5	8.2	32.2	6.5	93.5	6.9	4.1			
		SR4(N2)	Sunny	Moderate	9:56	3.8	Surface	1.0	1	24.6	8.2	32.1	6.6	95.7	5.4	3.6	6.6	5.6	4.0
									2	24.6	8.2	32.1	6.6	95.7	5.4	3.2			
							Bottom	2.8	1	24.6	8.2	32.1	6.6	95.7	5.7	4.4			
									2	24.6	8.2	32.1	6.6	95.7	5.7	4.6			
							Surface	1.0	1	24.6	8.2	32.4	6.7	96.8	14.0	3.3			
									2	24.6	8.2	32.4	6.7	96.7	13.4	3.5			
		CS2A	Sunny	Moderate	10:33	6.2	Surface	3.1	1	24.1	8.2	32.5	6.6	94.0	12.2	4.5	6.7	13.6	4.8
									2	24.1	8.2	32.5	6.6	94.0	12.1	4.8			
							Middle	3.1	1	24.1	8.3	32.5	6.5	93.7	15.1	6.1			
									2	24.1	8.3	32.5	6.5	93.7	15.0	6.4			
							Bottom	5.2	1	24.1	8.3	32.5	6.5	93.7	15.0	6.4			
									2	24.1	8.3	32.5	6.5	93.7	15.0	6.4			
		SR3(N)	Sunny	Moderate	9:13	4.3	Surface	1.0	1	24.7	8.2	31.9	6.2	89.6	5.2	3.6	6.2	5.9	4.8
									2	24.7	8.2	31.8	6.2	90.1	6.4	3.3			
							Bottom	3.3	1	24.7	8.2	31.9	6.2	89.8	5.9	6.2			
									2	24.7	8.2	31.9	6.3	90.4	6.1	6.1			
							Surface	1.0	1	24.7	8.3	32.2	6.6	95.2	3.0	2.4			
									2	24.7	8.3	32.2	6.6	95.1	3.0	2.4			
26-10-20	Mid-Flood	CS(M05)	Cloudy	Moderate	17:38	12.5	Surface	1.0	1	24.7	8.3	32.2	6.6	90.2	5.1	3.5	6.4	6.5	3.2
									2	24.7	8.3	32.2	6.6	90.2	4.6	3.2			
							Middle	6.3	1	24.8	8.2	32.4	6.2	90.2	11.7	4.1			
									2	24.8	8.2	32.4	6.2	90.2	11.7	4.1			
							Bottom	11.5	1	24.7	8.2	32.4	6.2	90.1	11.7	4.1			
									2	24.7	8.2	32.4	6.2	90.2	11.3	3.8			
		SR4(N2)	Cloudy	Moderate	16:10	3.5	Surface	1.0	1	24.9	8.3	32.0	6.8	98.8	5.2	6.8	6.8	5.2	5.8
									2	24.9	8.3	32.0	6.8	98.2	5.3	6.9			
							Bottom	2.5	1	24.9	8.3	32.0	6.8	97.7	5.0	4.7			
									2	24.8	8.3	32.0	6.7	97.1	5.1	4.8			
							Surface	1.0	1	24.6	8.3	31.6	7.1	101.3	5.0	3.1			
									2	24.6	8.3	31.6	6.9	99.3	5.2	3.1			
		CS2A	Cloudy	Moderate	15:34	6.1	Surface	3.1	1	24.3	8.3	32.0	6.7	96.5	7.4	4.2	6.9	6.6	3.9
									2	24.3	8.3	31.9	6.7	96.5	7.5	3.8			
							Middle	3.1	1	24.3	8.3	32.2	6.7	96.2	7.1	4.4			
									2	24.3	8.3	32.2	6.7	96.2	7.1	4.4			
							Bottom	5.1	1	24.3	8.3	32.3	6.7	95.5	7.4	4.7			
									2	24.3	8.3	32.1	6.6	96.6	6.1	2.8			
		SR3(N)	Cloudy	Moderate	16:50	4.7	Surface	1.0	1	25.2	8.3	32.1	6.6	96.1	6.6	2.9	6.6	6.3	3.1
									2	25.2	8.3	32.1	6.6	96.1	6.6	2.9			
							Bottom	3.7	1	25.2	8.3	32.1	6.7	97.4	6.4	3.4			
									2	25.3	8.3	32.0	6.6	96.1	6.1	3.2			
							Surface	1.0	1	24.6	8.3	31.6	7.1	101.3	5.0	3.1			
									2	24.6	8.3	31.6	6.9	99.3	5.2	3.1			