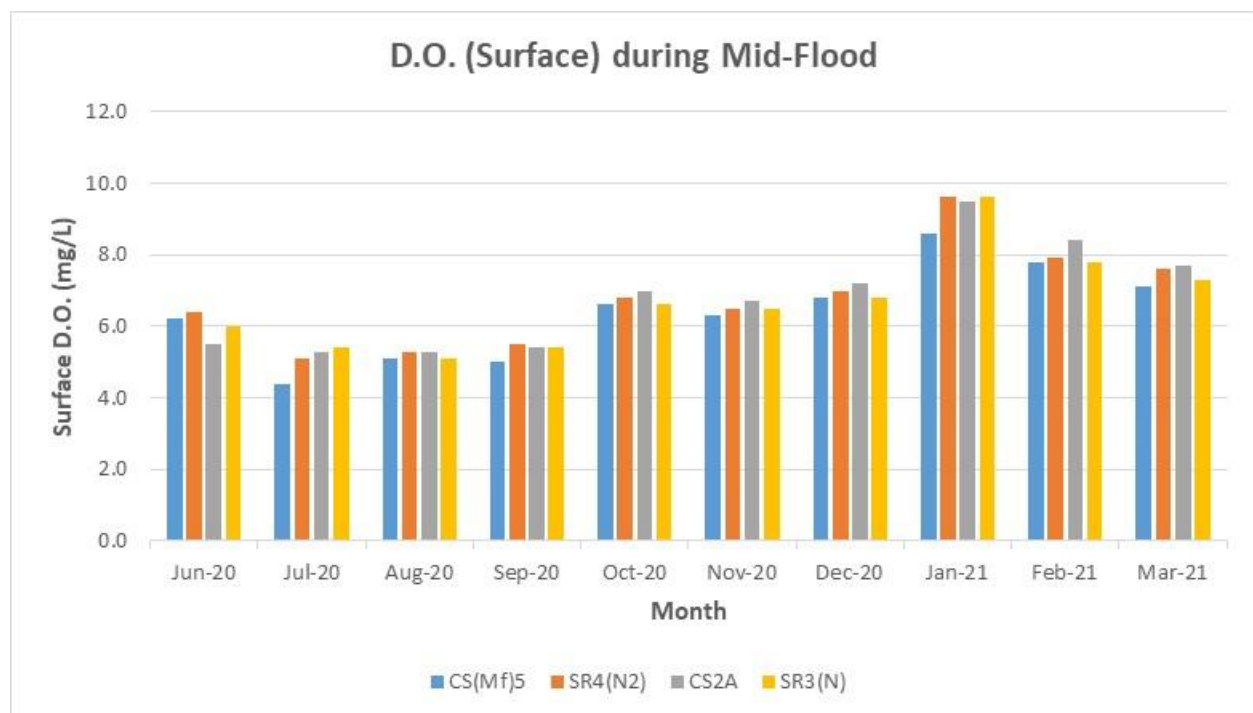
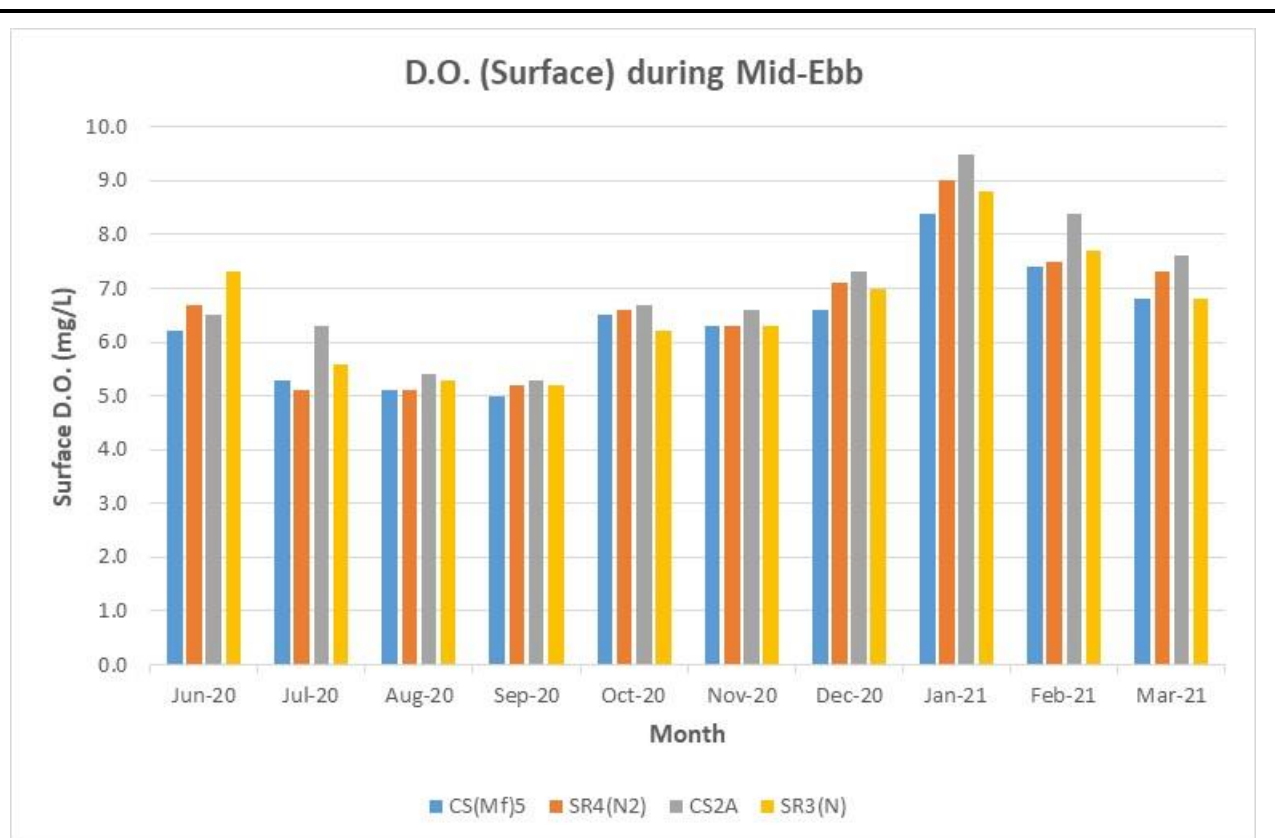


## Appendix J

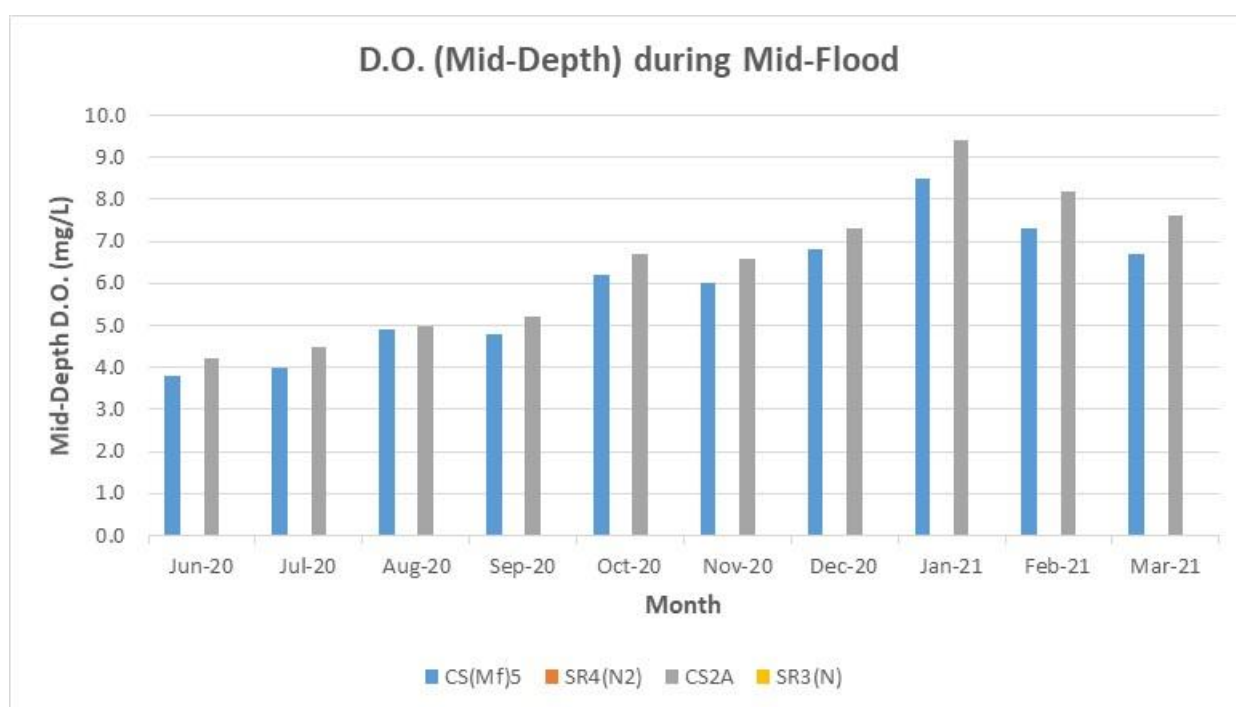
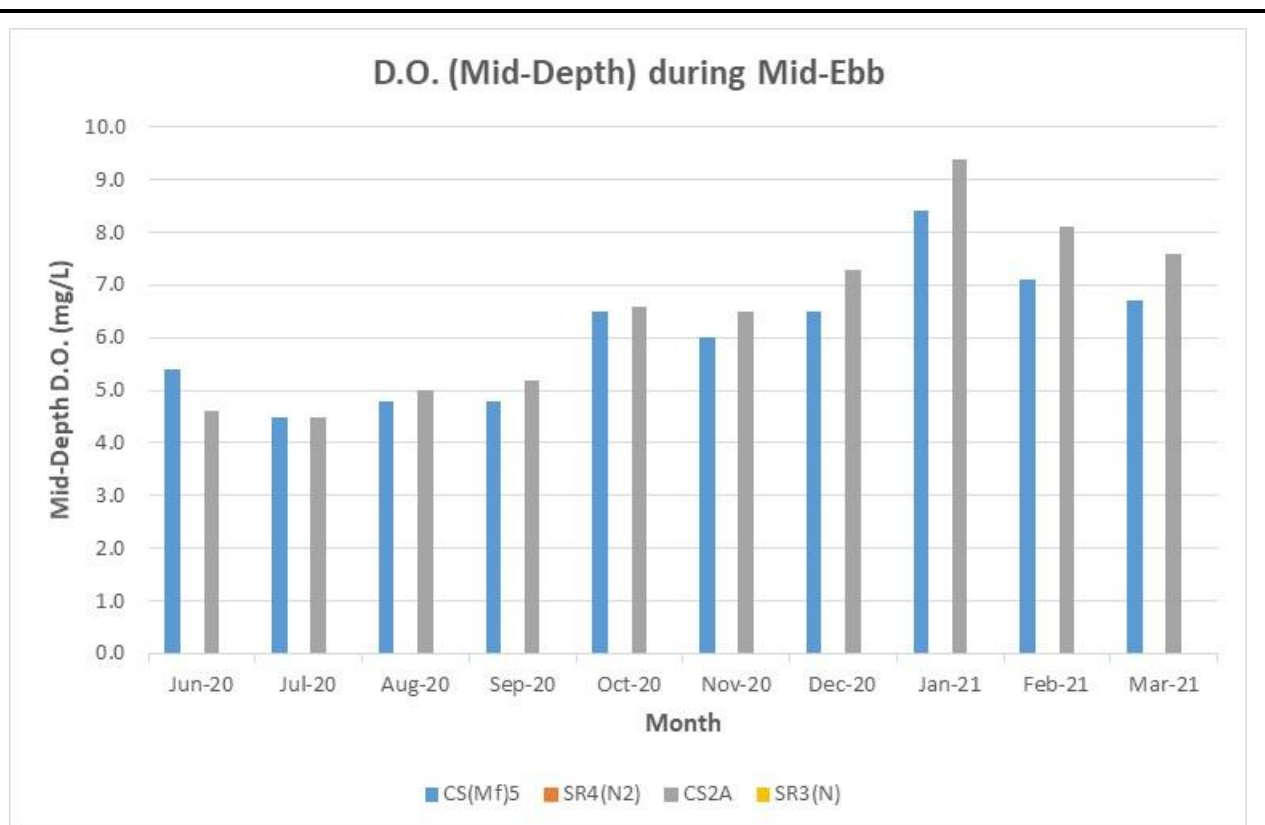
# Operational Phase Water Quality Monitoring Results



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

Ref: 0212330\_Impact-WQM\_March 2021 \_graphs\_Rev a.xls

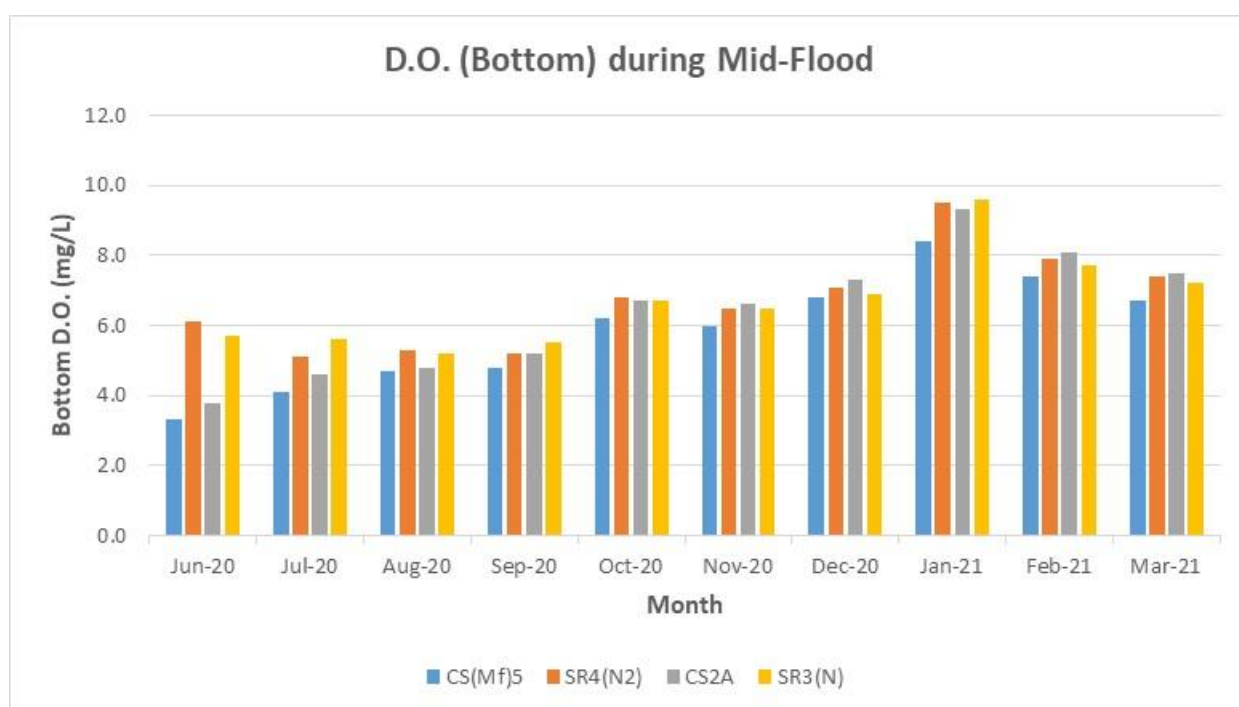
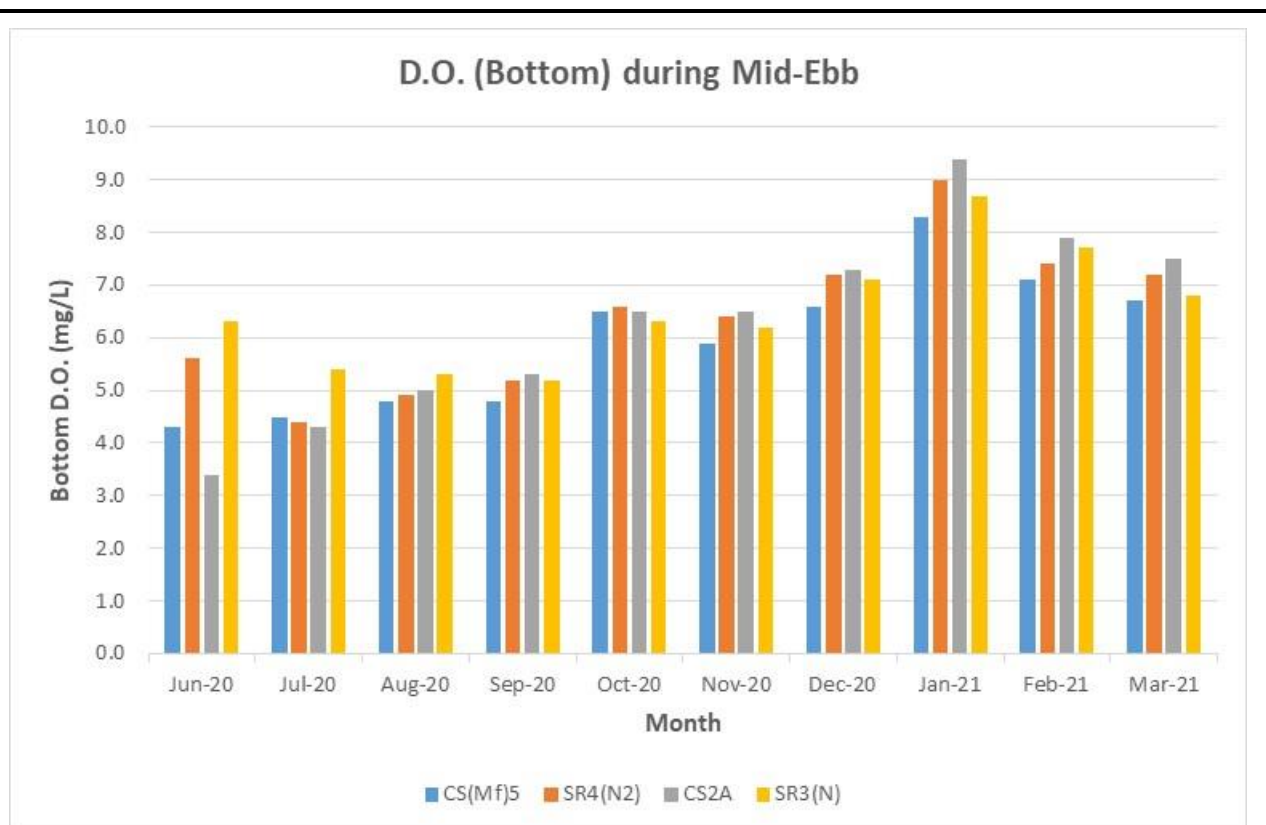




**Figure J2 Operational Phase Monitoring - Mean Level of Dissolved Oxygen (mg/L) in mid-depth waters between 1 June 2020 and 31 March 2021. The weather conditions during the monitoring period varied mostly from sunny to cloudy.**

Ref: 0212330\_Impact-WQM\_March 2021 \_graphs\_Rev a.xls

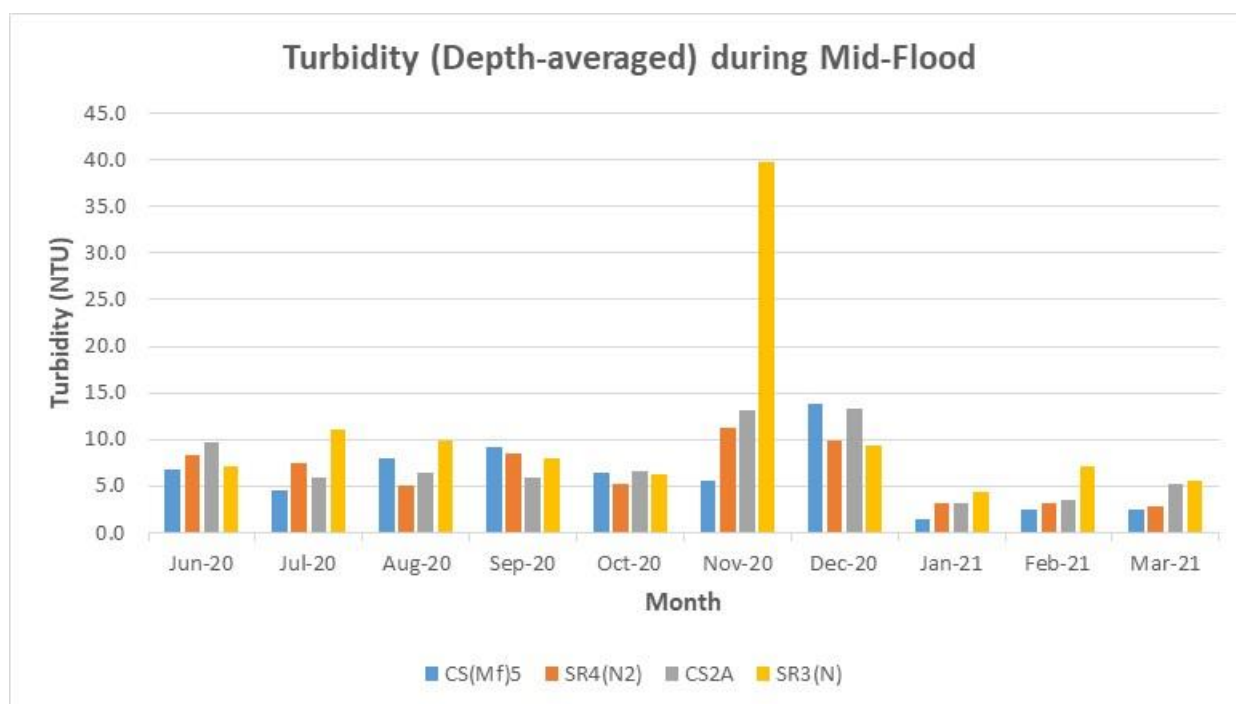
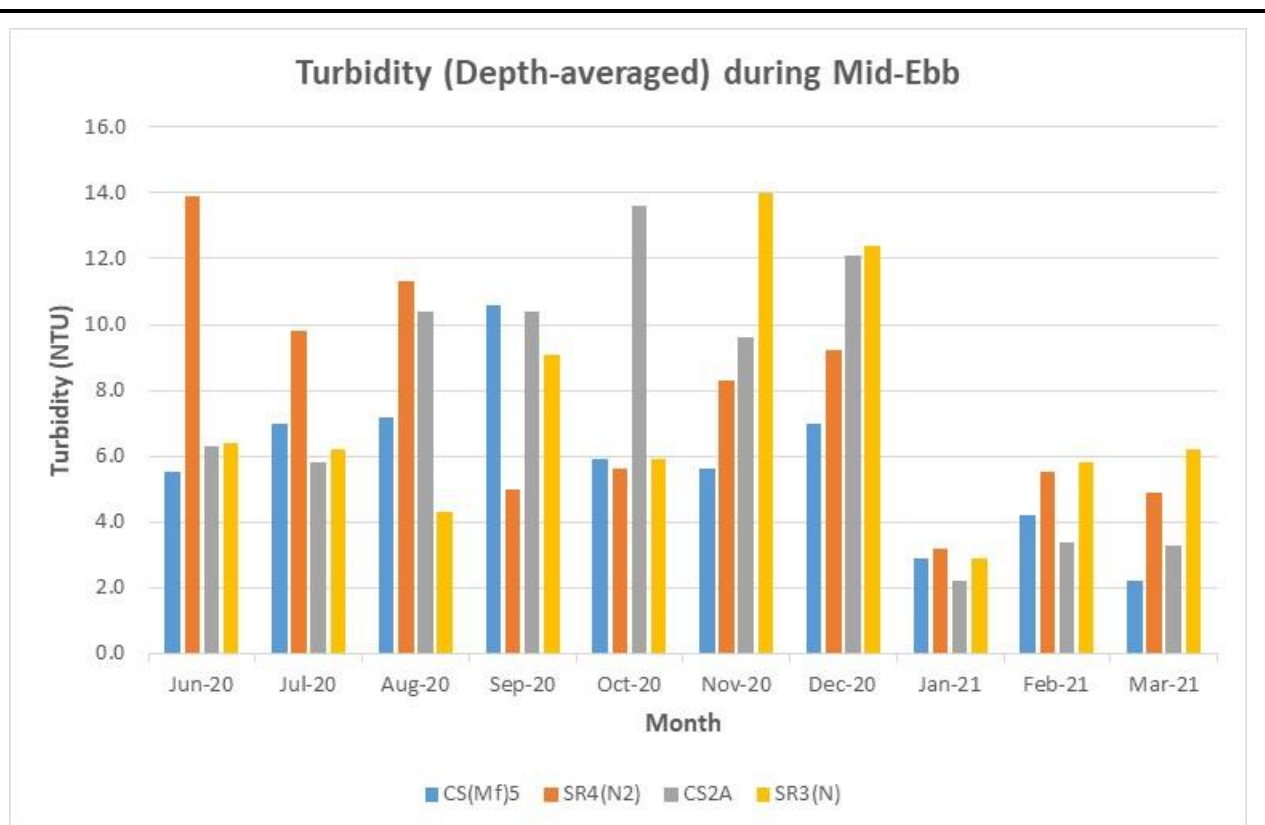




**Figure J3 Operational Phase Monitoring - Mean Level of Dissolved Oxygen (mg/L) in bottom waters between 1 June 2020 and 31 March 2021. The weather conditions during the monitoring period varied mostly from sunny to cloudy.**

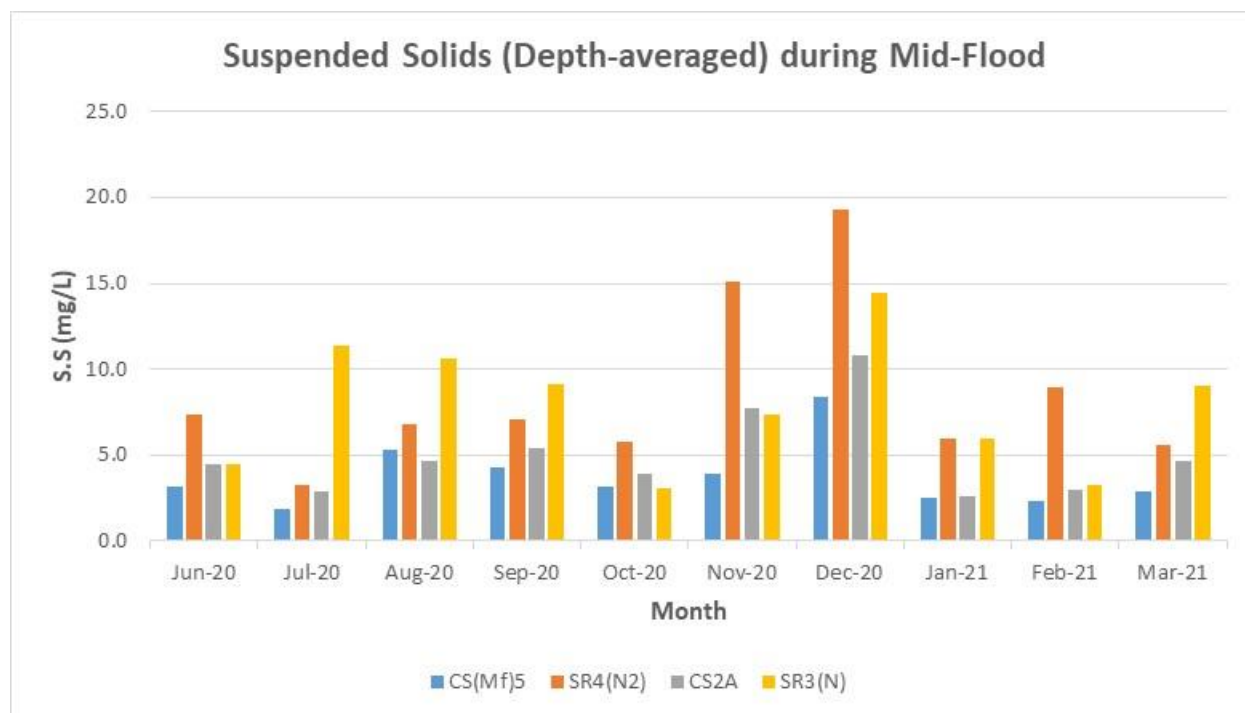
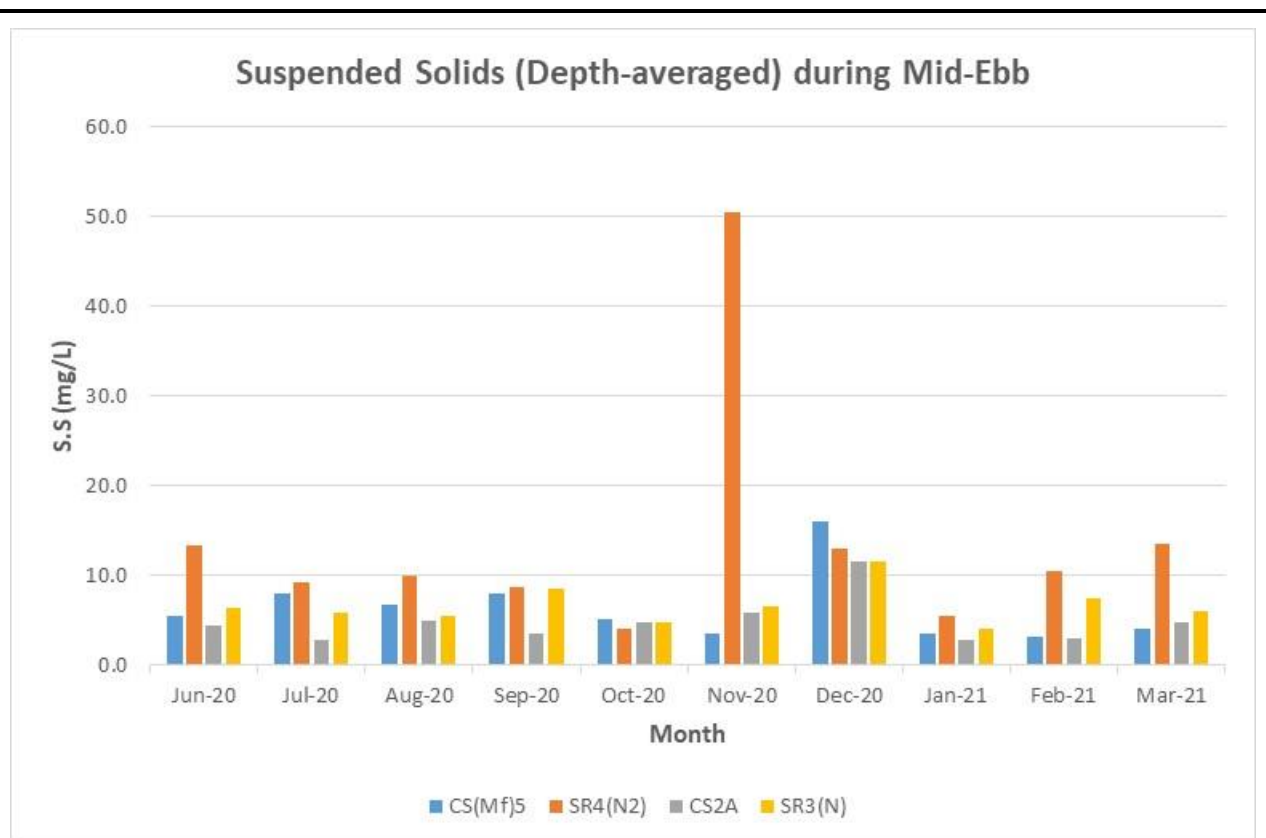
Ref: 0212330\_Impact-WQM\_March 2021 \_graphs\_Rev a.xls





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

Ref: 0212330\_Impact-WQM\_March 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 March 2021. The weather conditions during the monitoring period varied mostly from sunny to cloudy.**

Ref: 0212330\_Impact-WQM\_March 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)
26-03-21	Mid-Ebb	CS(M05)	Fine	Moderate	11:12	12.3	Surface	1.0	1	22.2	8.0	33.7	6.8	95.2	2.1	5.6	6.8	2.2	4.1
									2	22.2	8.0	33.7	6.8	95.3	2.1	5.8			
							Middle	6.2	1	22.2	8.0	33.9	6.7	93.1	2.0	3.2			
								2	22.2	8.0	33.9	6.7	93.1	2.0	3.7				
				Bottom	11.3	1	22.2	8.0	34.0	6.7	93.1	2.4	2.9	6.7					
			2	22.2	8.0	34.0	6.7	93.1	2.4	3.1									
		Surface	1.0	1	22.6	8.1	33.5	7.3	102.1	4.6	14.5	7.3	4.9				13.5		
			2	22.6	8.1	33.5	7.3	102.1	4.6	15.2									
		Bottom	2.3	1	22.6	8.1	33.5	7.2	100.7	5.1	11.9			7.2					
			2	22.6	8.1	33.5	7.2	100.6	5.1	12.2									
		Surface	1.0	1	22.5	8.1	33.8	7.6	106.7	2.7	4.1	7.6	3.3				4.7		
			2	22.5	8.1	33.8	7.6	106.7	2.7	4.4									
		Middle	3.5	1	22.5	8.1	33.8	7.6	107.0	3.2	4.4			7.5	6.2	6.0			
			2	22.5	8.1	33.8	7.6	107.1	3.1	4.4									
		Bottom	5.9	1	22.4	8.1	34.2	7.5	104.8	3.9	5.6	6.8							
			2	22.4	8.1	34.2	7.5	104.6	3.9	5.2									
		Surface	1.0	1	22.2	8.2	33.2	6.8	95.0	5.5	5.9			6.8	6.2	6.0			
			2	22.2	8.2	33.2	6.8	95.0	5.4	6.4									
		Bottom	3.4	1	22.1	8.1	33.2	6.8	94.6	6.9	5.8	6.8							
			2	22.1	8.1	33.2	6.8	94.6	6.9	5.7									
Surface	1.0	1	22.5	8.1	33.8	7.1	99.4	1.7	4.4	6.9	2.5			2.9					
	2	22.5	8.1	33.8	7.1	99.4	1.7	4.1											
Middle	6.3	1	22.4	8.1	34.0	6.7	94.4	2.4	2.3			6.7							
	2	22.4	8.1	34.0	6.7	94.4	2.4	2.5											
Bottom	11.5	1	22.3	8.1	34.1	6.7	93.8	3.4	2.0	7.6	2.9			5.6					
	2	22.3	8.1	34.1	6.7	93.6	3.5	2.0											
Surface	1.0	1	22.6	8.1	33.6	7.6	106.2	2.8	4.8			7.4	5.3		4.7				
	2	22.6	8.1	33.6	7.6	106.3	2.8	4.3											
Bottom	2.4	1	22.6	8.1	33.7	7.4	103.7	2.9	6.8	7.7	5.5			9.0					
	2	22.6	8.1	33.7	7.4	103.9	2.9	6.6											
Surface	1.0	1	22.7	8.1	33.7	7.7	107.8	3.0	6.4			7.7	5.5						
	2	22.7	8.1	33.7	7.7	107.8	3.0	5.3											
Middle	3.4	1	22.6	8.1	33.7	7.6	106.5	3.8	4.5	7.5									
	2	22.6	8.1	33.7	7.6	106.5	3.8	5.1											
Bottom	5.8	1	22.4	8.1	34.0	7.5	105.1	9.3	3.4			7.3	5.5						
	2	22.4	8.1	34.0	7.5	105.0	8.9	3.6											
Surface	1.0	1	22.5	8.1	33.4	7.3	101.6	5.3	8.6	7.2	5.5			9.0					
	2	22.5	8.1	33.4	7.3	101.5	5.3	8.4											
Bottom	3.2	1	22.5	8.1	33.4	7.2	101.4	5.6	9.2			7.2							
	2	22.5	8.1	33.4	7.2	101.3	5.6	9.6											