

Appendix J

Operational Phase Water Quality Monitoring Results

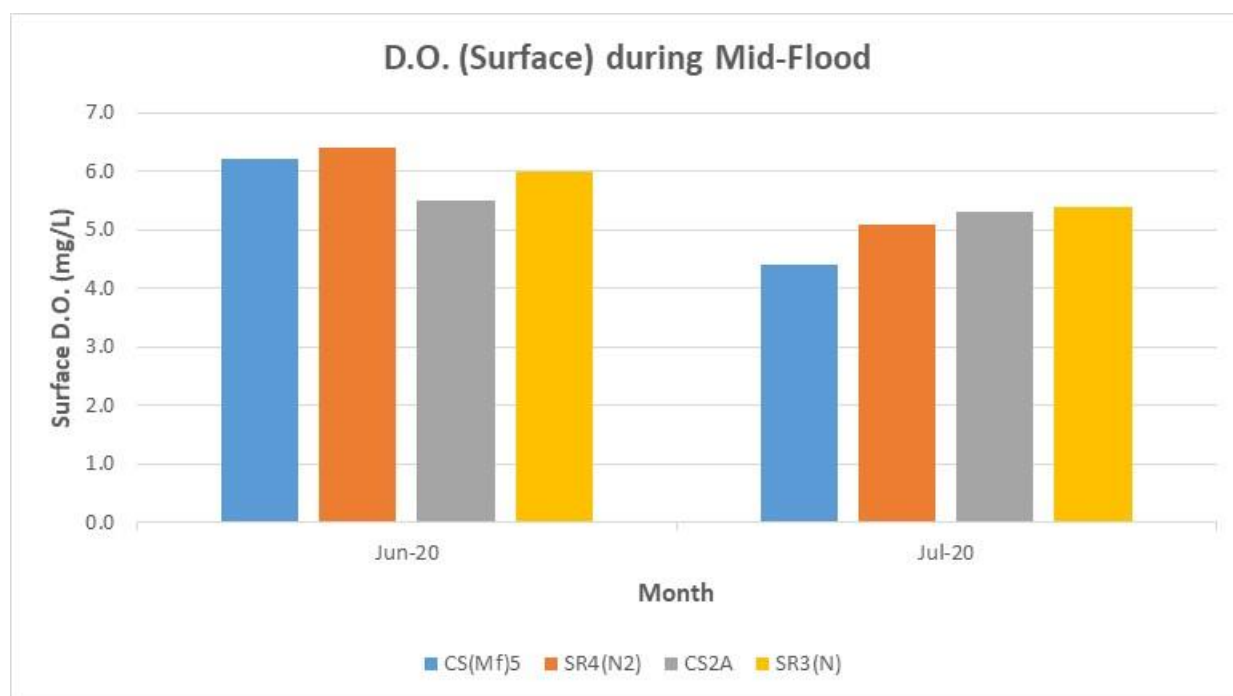
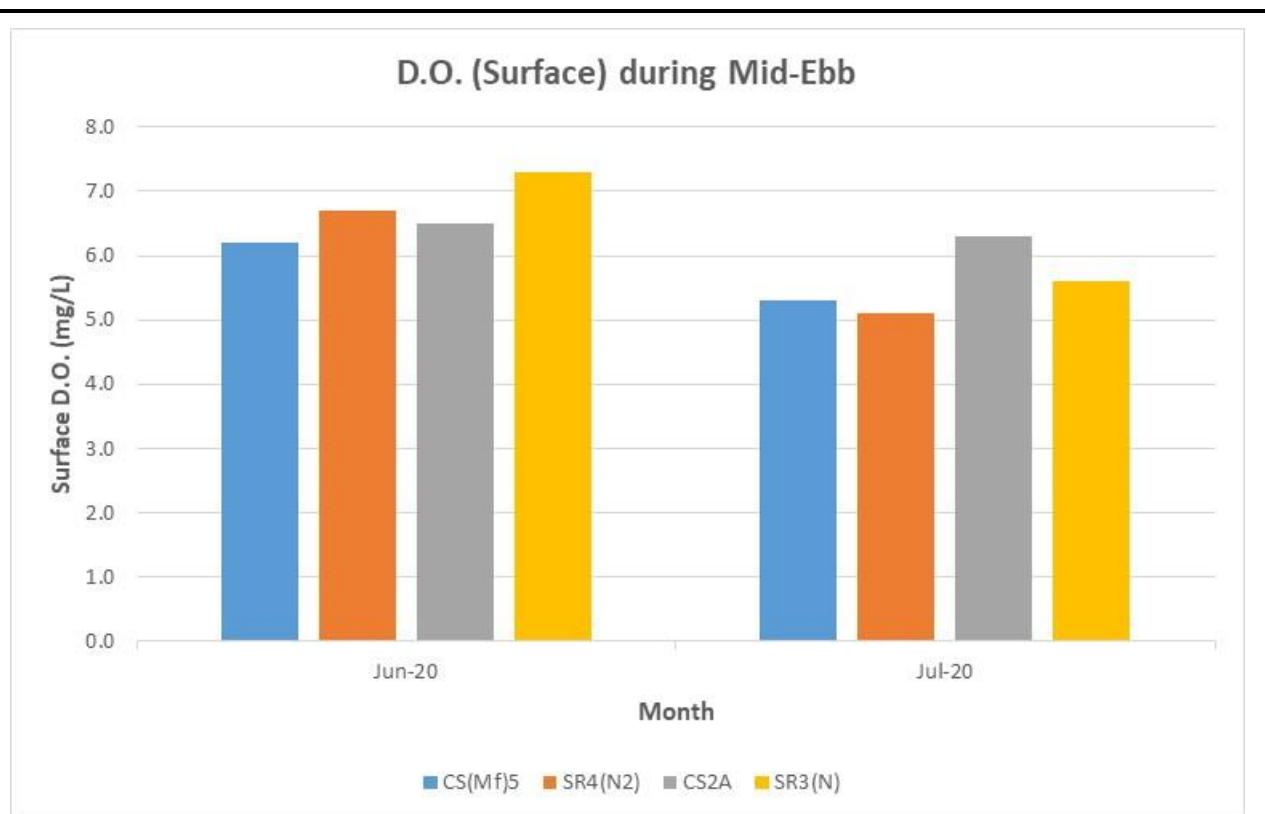


Figure J1 Operational Phase Monitoring - Mean Level of Dissolved Oxygen (mg/L) in surface waters between 1 June 2020 and 31 July 2020. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_July2020_graphs_Rev a.xls



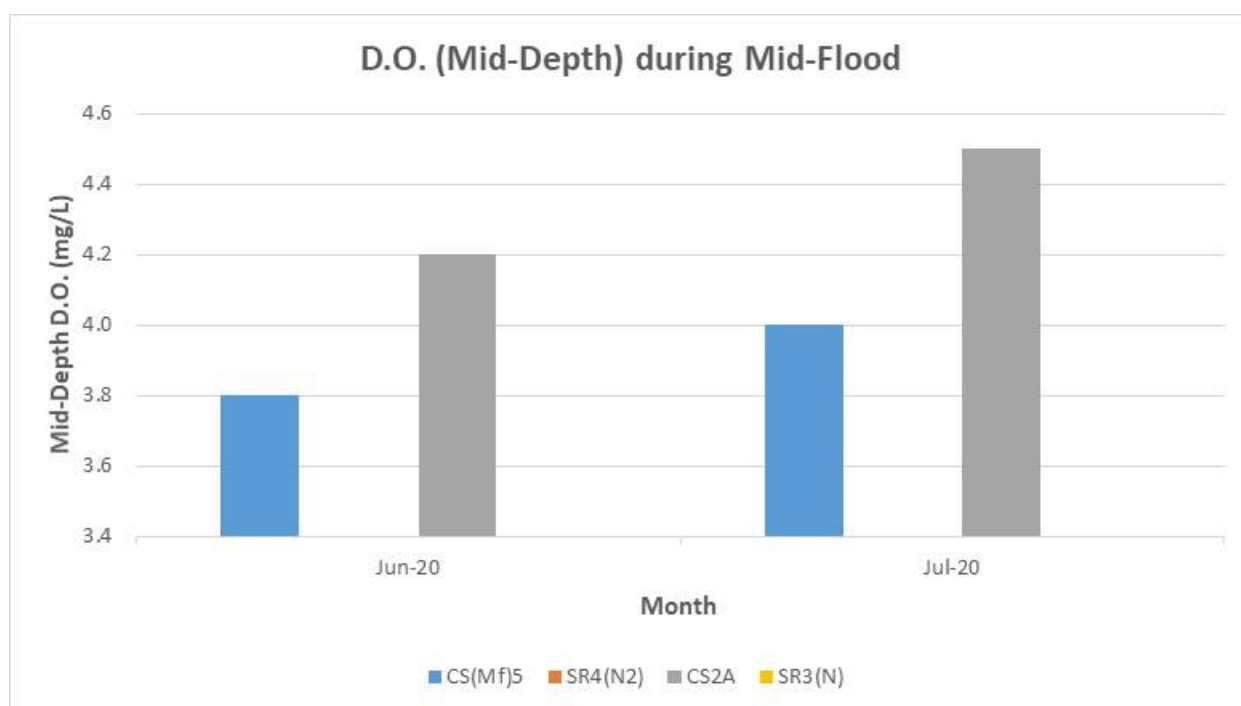
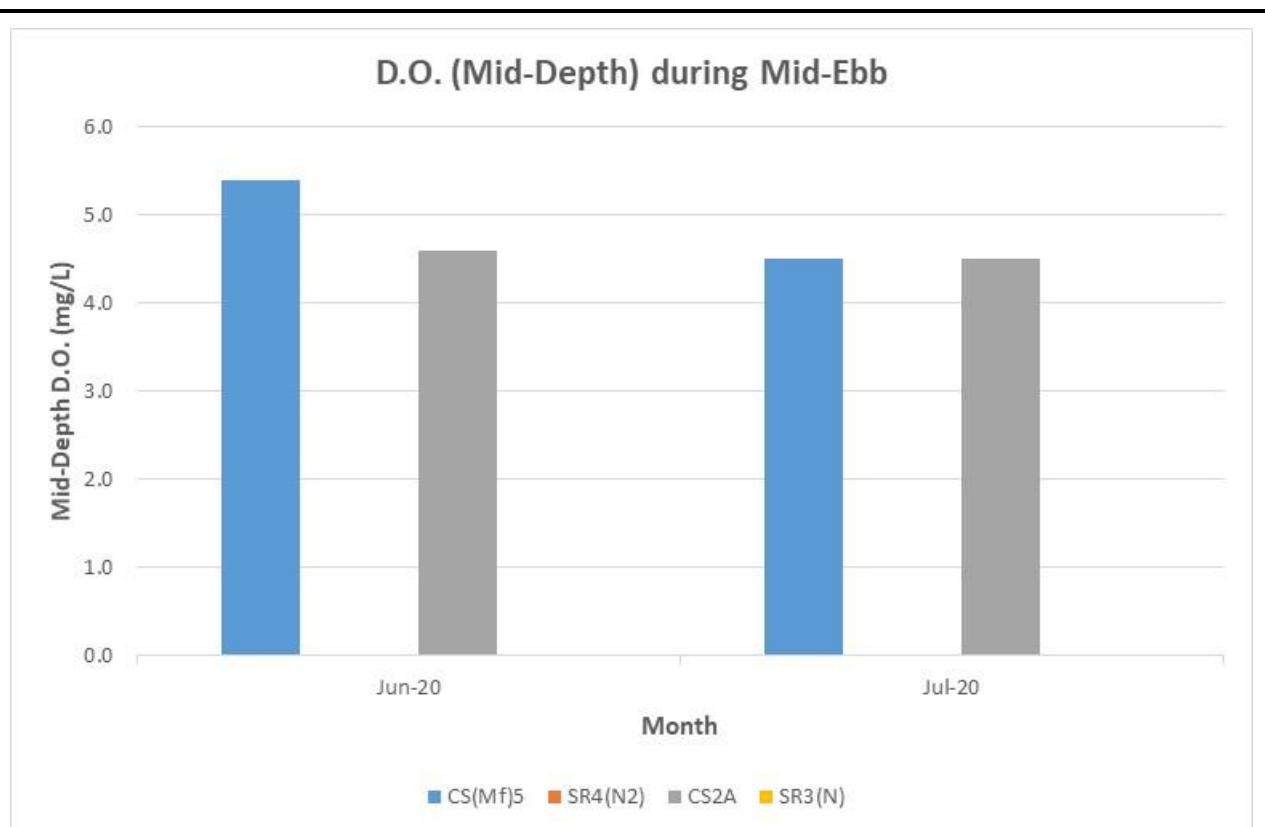


Figure J2 Operational Phase Monitoring - Mean Level of Dissolved Oxygen (mg/L) in mid-depth waters between 1 June 2020 and 31 July 2020. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_July2020_graphs_Rev a.xls



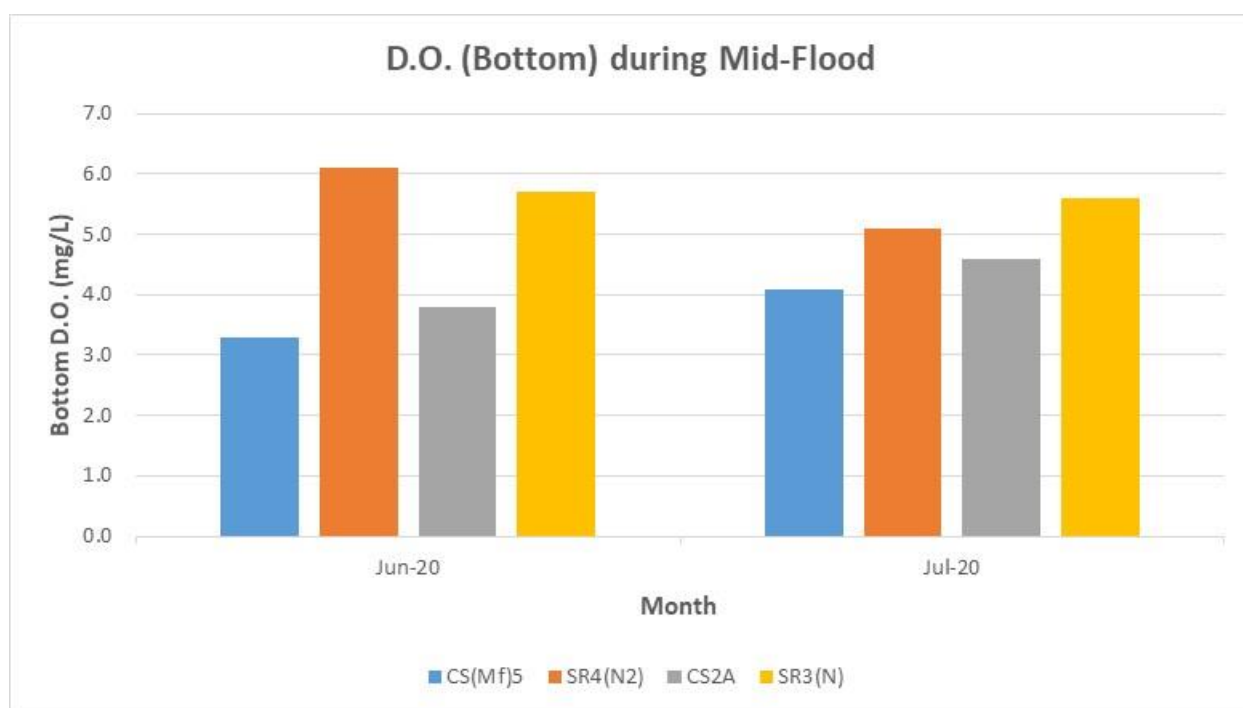
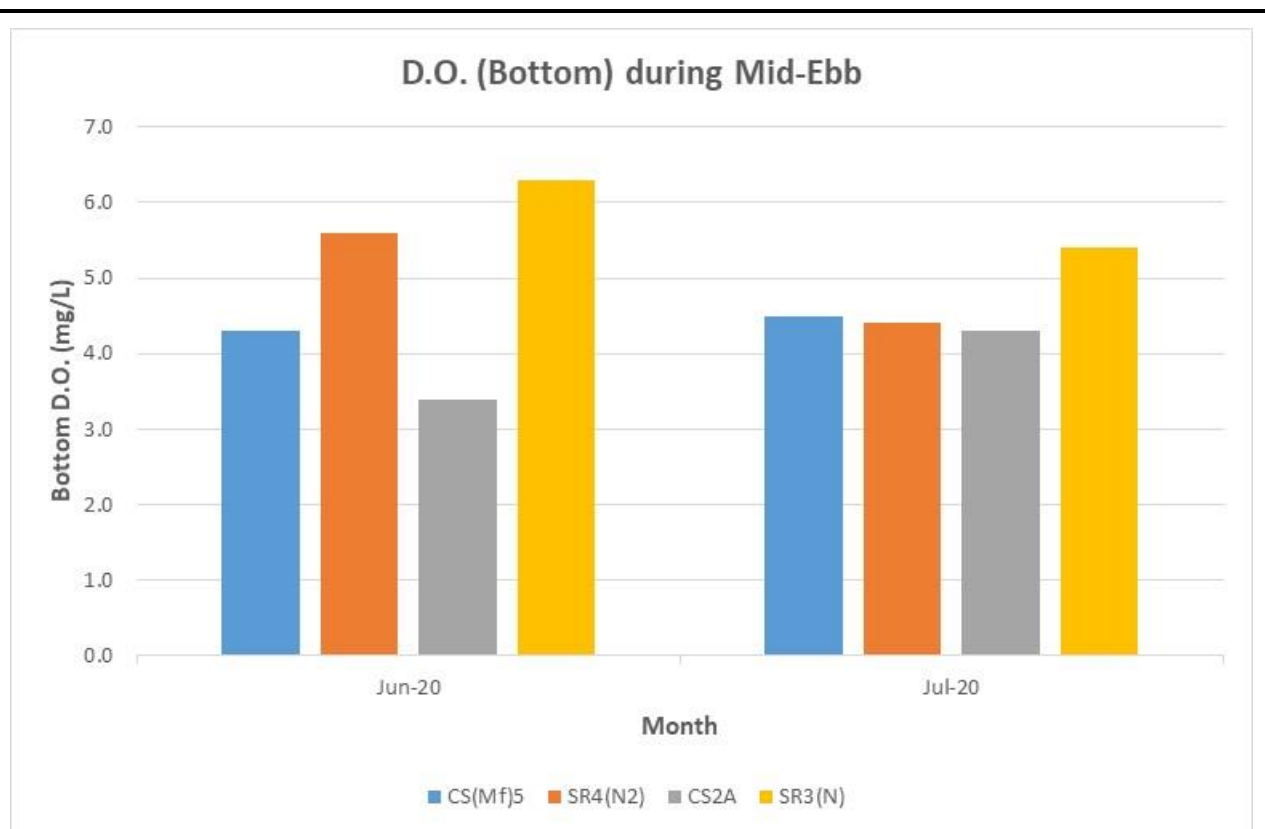


Figure J3 Operational Phase Monitoring - Mean Level of Dissolved Oxygen (mg/L) in bottom waters between 1 June 2020 and 31 July 2020. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_July2020_graphs_Rev a.xls



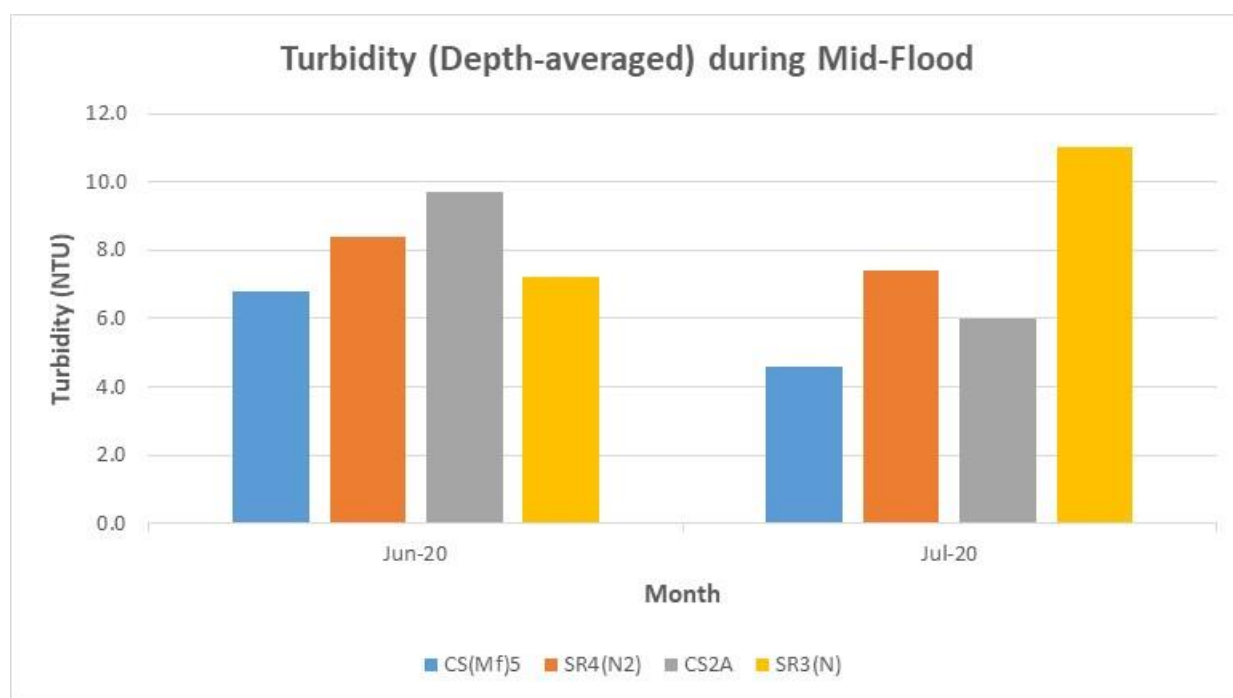
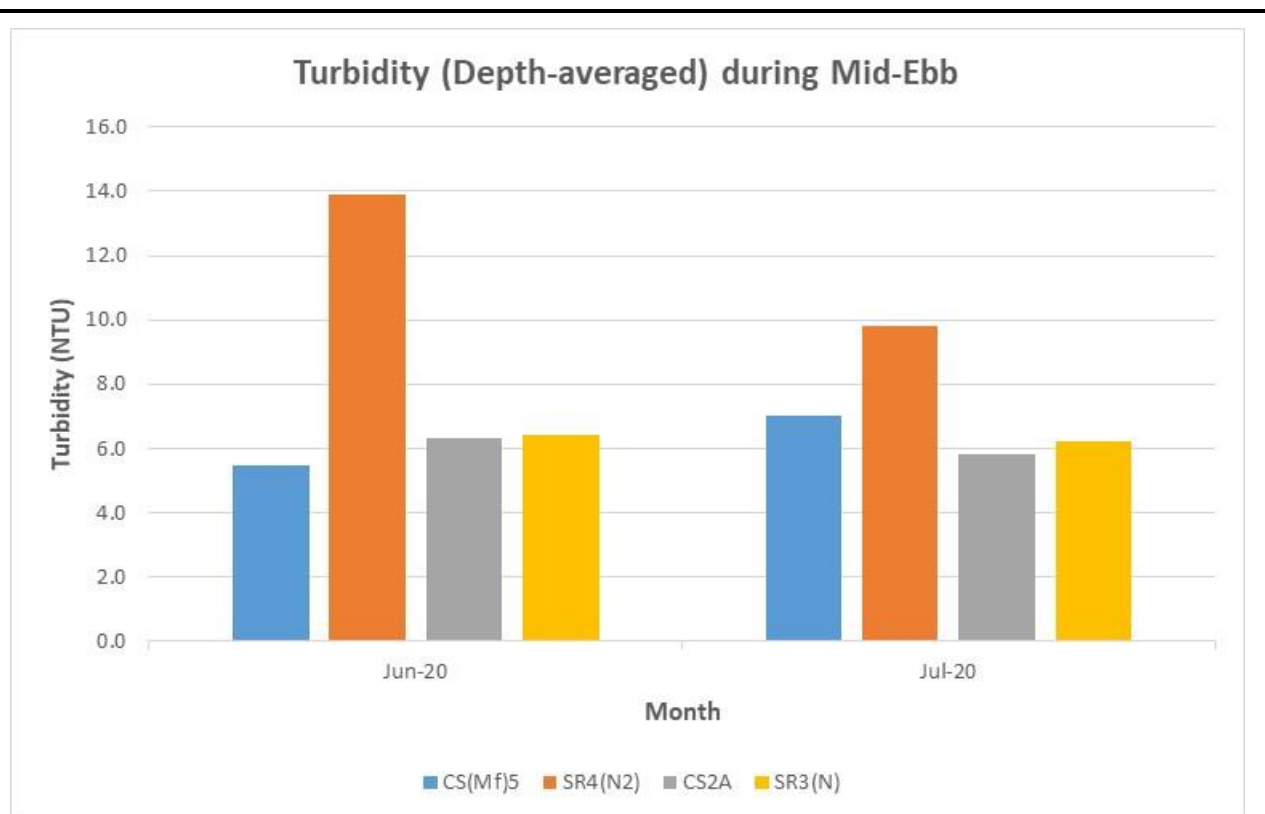
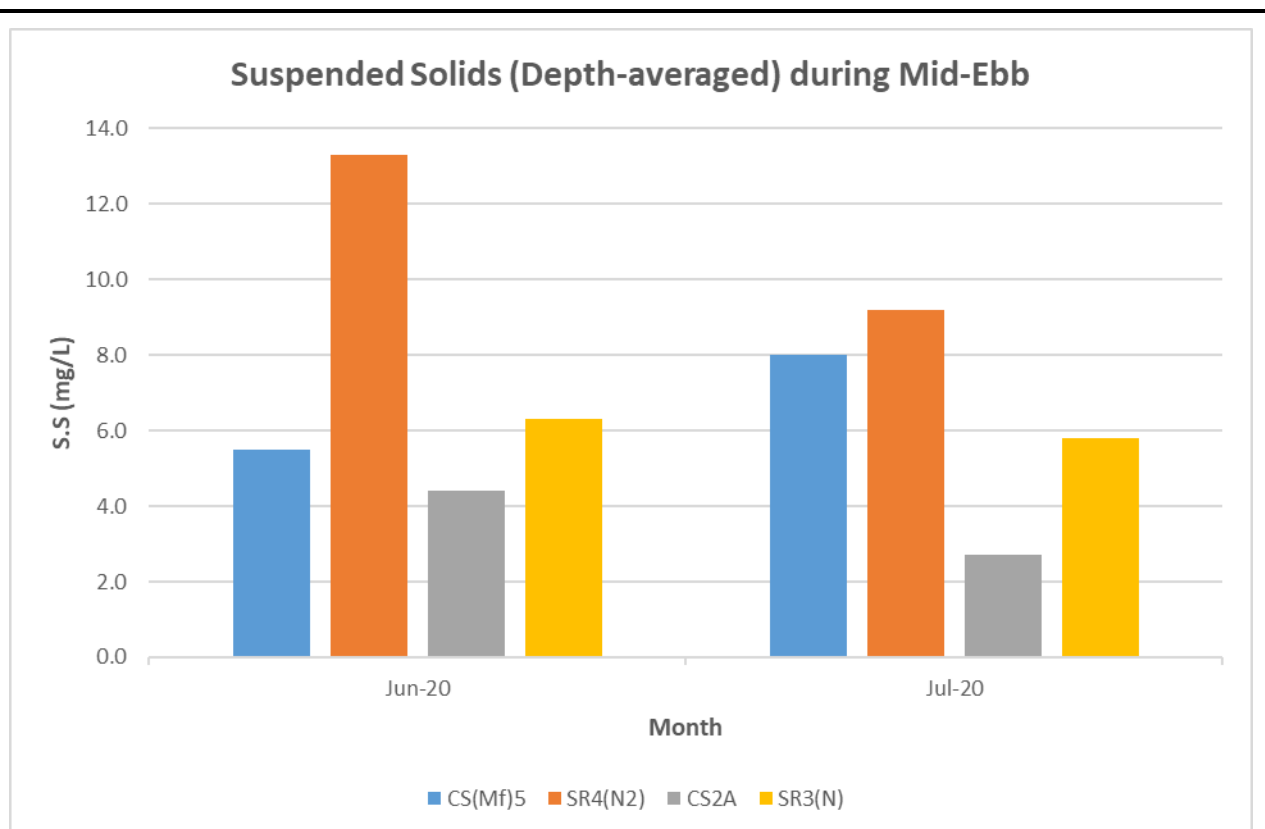


Figure J4 Operational Phase Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 June 2020 and 31 July 2020. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_July2020_graphs_Rev a.xls



V

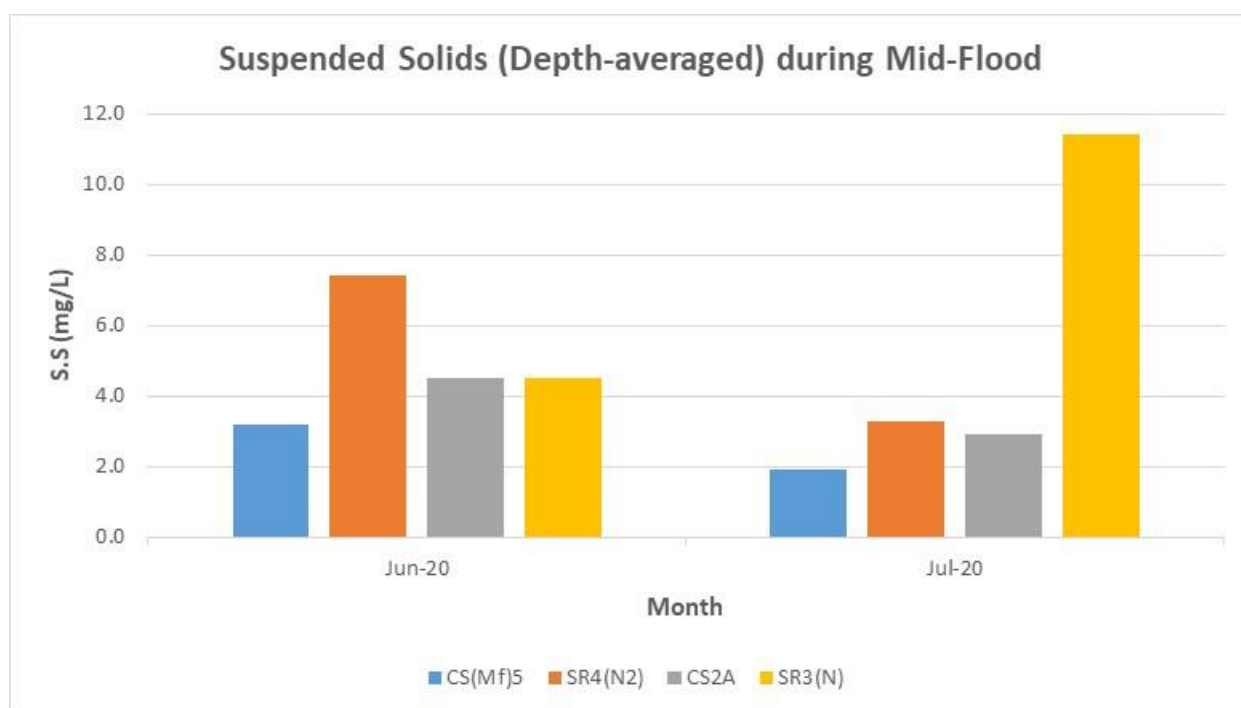


Figure J5 Operational Phase Monitoring – Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 June 2020 and 31 July 2020. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_July2020_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)
24-07-20	Mid-Ebb	CS(M05)	Sunny	Moderate	15:54	11.3	Surface	1.0	1	27.5	7.9	22.5	5.3	75.8	6.2	7.2	4.9	7.0	8.0
									2	27.5	7.9	22.4	5.3	76.4	6.0	7.4			
							Middle	5.7	1	26.4	7.8	24.6	4.5	64.2	6.1	8.0			
									2	26.4	7.8	24.5	4.5	63.8	6.3	8.3			
		SR4(N2)	Sunny	Moderate	15:16	3.3	Bottom	10.3	1	25.7	7.8	26.2	4.4	63.1	8.5	8.5	4.5		
									2	25.8	7.8	26.0	4.5	63.3	8.6	8.8			
							Surface	1.0	1	27.5	7.8	22.5	5.2	74.4	8.9	10.1			
									2	27.5	7.9	22.6	5.0	71.9	8.9	9.9			
		CS2A	Sunny	Moderate	14:15	7.4	Bottom	2.3	1	26.7	7.8	23.4	4.4	62.2	10.7	8.5	4.4	9.8	9.2
									2	26.7	7.8	23.4	4.4	62.0	10.7	8.2			
							Surface	1.0	1	26.8	7.9	23.8	5.7	81.4	5.7	2.3			
									2	27.5	7.9	23.0	5.5	78.8	5.7	2.1			
		SR3(N)	Sunny	Calm	14:46	3.2	Middle	3.7	1	25.9	7.9	25.5	4.5	64.2	5.3	2.5	5.0	5.8	2.7
									2	25.6	7.8	26.2	4.4	61.9	5.4	2.9			
							Bottom	6.4	1	25.1	7.9	27.2	4.3	61.1	6.3	3.5			
									2	25.1	7.8	27.1	4.3	60.5	6.3	3.0			
							Surface	1.0	1	27.6	7.9	22.6	5.7	82.0	6.0	4.8	5.6	6.2	5.8
									2	28.0	7.9	22.4	5.5	80.1	6.0	5.1			
							Bottom	2.2	1	27.3	7.9	22.9	5.4	76.8	6.4	6.8			
									2	27.8	7.9	22.5	5.3	76.0	6.2	6.5			
24-07-20	Mid-Flood	CS(M05)	Fine	Moderate	7:03	12.0	Surface	1.0	1	25.7	7.7	26.1	4.4	62.6	3.1	1.4	4.2	4.6	1.9
									2	25.7	7.8	26.1	4.4	63.0	3.2	1.2			
							Middle	6.0	1	24.0	7.7	30.0	4.0	55.9	5.0	1.7			
									2	24.0	7.7	29.9	3.9	55.6	5.0	1.9			
		SR4(N2)	Sunny	Calm	7:54	3.3	Bottom	11.0	1	23.7	7.6	30.6	4.1	57.8	5.7	2.8	4.1		
									2	23.7	7.6	30.6	4.1	57.8	5.7	2.8			
							Surface	1.0	1	27.6	7.9	21.3	5.1	72.2	7.5	2.8			
									2	27.6	7.9	21.3	5.1	72.1	7.6	3.2			
		CS2A	Sunny	Moderate	9:43	7.6	Bottom	2.3	1	27.6	7.9	21.2	5.1	72.9	7.0	3.7	5.1	7.4	3.3
									2	27.6	7.9	21.2	5.1	72.8	7.3	3.4			
							Surface	1.0	1	27.2	7.9	22.6	5.2	74.9	4.7	3.5			
									2	27.1	7.9	22.7	5.3	75.3	4.4	3.9			
		SR3(N)	Sunny	Calm	9:12	3.2	Middle	3.8	1	25.5	7.9	26.5	4.5	64.1	6.7	2.9	4.9	6.0	2.9
									2	25.5	7.9	26.4	4.5	64.4	6.5	2.6			
							Bottom	6.6	1	25.2	7.9	27.1	4.6	65.1	7.0	2.4			
									2	25.2	7.9	27.1	4.5	64.3	6.8	2.2			
							Surface	1.0	1	27.7	7.9	22.1	5.4	77.2	10.7	12.5	5.4	11.0	11.4
									2	27.7	7.9	22.1	5.4	77.0	10.6	12.6			
							Bottom	2.2	1	27.7	7.9	22.1	5.6	80.3	11.5	10.1			
									2	27.7	7.9	22.1	5.6	79.9	11.3	10.5			