

Table 2 Physico-chemical parameters of sub-surface water (at 3 m depth) in the study area

Parameters/ Station	Sandwip		Hatiya		Bhola		Barisal		Chandpur	
	M	PM	M	PM	M	PM	M	PM	M	PM
Water Temperature (°C)	29	22	28	22	28.5	21	29	22	29.5	21
Salinity (‰)	1	15	0	8	0	0	0	0	0	0
TSS (mg/L)	10.08	1.4597	7.3085	1.3307	6.617	1.2727	8.9995	1.3897	0.671	1.3507
TOM (mg/L)	0.797	0.9106	0.775	0.9386	0.8165	0.5181	0.784	0.6486	0.8125	0.5838
pH	6.5	7.2	6.7	6.9	7.1	7	7.2	6.8	7	7
DO (ml/L)	4.8	2.1	6	2.5	4	2.04	4.4	2.7	4.5	2.7
BOD (ml/L)	23	1	41	12	27	2.4	25	9	32	4
CO ₂ (ml/L)	0.396	2.4	0.396	0.6	0.594	0.3	0.386	0.2	0.99	0.3
Alkalinity (mg/L)	1.4	0.95	1.7	1	1.9	1.1	1.2	1.15	ND	0.5
H ⁻ CO ₃ (mg/L)	0.0001	0.00030	0.00012	0.00036	0.00012	0.00024	0.00024	0.00030	0.00012	0.00024

Note: M= Monsoon; PM= Post-monsoon; ND = Not detected