

Table 3 Physico-chemical parameters of bottom soil in the study area

Parameters/ Site	Sandwip		Hatiya		Bhola		Barisal		Chandpur	
	M	PM	M	PM	M	PM	M	PM	M	PM
Bottom depth (m)	6	5	10	5	13	7	4	4	12	8
pH (<i>in situ</i>)	6.5	7.2	6.7	6.9	7.1	7	7.2	6.8	7	7
pH (soil extracted)	6.8	6.8	6.5	6.4	6.7	6.6	7.1	6.2	6.5	6.4
Sand (%)	38.08	57.12	78.08	62.08	79.48	81.36	45.72	40.88	58.08	66.08
Silt (%)	36.8	16.36	0.8	16.96	1.28	0.6	30.56	36.6	28.96	16.96
Clay (%)	25.12	26.52	21.12	20.96	19.24	18.04	23.72	22.52	12.96	16.96
Soil Texture	Clay	Sandy	Sandy	Sandy	Sandy	Sandy	Loam	Loam	Sandy	Sandy
Organic Carbon	0.83	0.41	0.19	0.45	0.1	0.61	0.14	0.21	0.06	0.41
Organic Matter	1.43	0.71	0.33	0.77	0.16	1.04	0.25	0.36	0.11	0.71

Note: M= Monsoon; PM= Post-monsoon