

Table 1 Summary of environmental characteristics of the study stations in Epe lagoon

	Study stations																							
	1			2			3			4			5			6			7			8		
	Max	Min	Mean \pm SD	Max	Min	Mean \pm SD	Max	Min	Mean \pm SD	Max	Min	Mean \pm SD	Max	Min	Mean \pm SD	Max	Min	Mean \pm SD	Max	Min	Mean \pm SD	Max	Min	Mean \pm SD
Water temperature ($^{\circ}$ C)	34	24	31 \pm 2.67	35	24	32 \pm 3	35	24	32 \pm 3.03	35	24	32 \pm 3.34	36	24	33 \pm 4	43	29	38 \pm 2.76	36	23	32 \pm 3	35	28	33 \pm 2.47
Salinity (‰)	0.35	0	0.06 \pm 0.08	0.24	0	0.07 \pm 0.08	0.28	0	0.09 \pm 0.08	1.77	0.01	0.34 \pm 0.69	3.62	0.01	0.39 \pm 0.74	8.37	0.01	1.70 \pm 2.25	19.3	0.06	3.44 \pm 5.78	19.7	0.04	3.19 \pm 5.29
DOmg l^{-1}	9.8	3.7	5.1 \pm 1.36	5.9	3.7	4.8 \pm 0.57	7.5	3.5	4.8 \pm 1.00	13	3.2	5.5 \pm 2.32	14	2.4	5.8 \pm 3.04	10.5	4	5.7 \pm 1.75	15	4.2	6.7 \pm 2.57	12.1	3.5	5.9 \pm 2.25
Sand (%)	92.2	79	83.8 \pm 16.27	87.4	61.4	82.3 \pm 4.29	89.4	54.4	78.0 \pm 9.98	85.4	65.4	81.0 \pm 3.36	93.6	71.4	78.5 \pm 5.41	92.2	73.6	81.0 \pm 4.77	89	65.8	81.0 \pm 6.08	92.4	73.5	80.5 \pm 5.00
Mud (%)	21	7.8	13.5 \pm 3.74	28.6	11.4	17.3 \pm 4.21	44.6	9.4	20.7 \pm 9.22	27.6	14.6	18.7 \pm 2.66	28.6	6.5	20.6 \pm 6.38	26	7.8	18.6 \pm 4.11	29	11	19.2 \pm 5.06	26.5	7.6	18.7 \pm 5.32
TOC (%)	8.61	2.11	5.91 \pm 1.98	8.22	2.1	5.35 \pm 1.90	10.45	3.51	6.18 \pm 1.93	7.5	1.01	3.64 \pm 1.64	7.3	1.02	3.63 \pm 1.60	7.5	1.01	3.81 \pm 1.73	6	1.01	4.14 \pm 1.44	6.3	1.01	3.75 \pm 1.80