

### Supplementary Table

**Supplementary Table S1.** Water quality parameters with WHO and Bangladesh standards

Sample ID	Parameters								
	pH	Turbidity (NTU)	Salinity (ppt)	NH <sub>4</sub> -N (mg/L)	NO <sub>3</sub> -N (mg/L)	PO <sub>4</sub> (mg/L)	SO <sub>4</sub> (mg/L)	FC (cfu/100ml)	TC (cfu/100ml)
PSF-1	8.3	7	2.5	0.37	0.8	0.67	10.7	18	210
PSF-2	6.9	3	1.9	0.29	1.1	0.16	16.6	39	470
PSF-3	6.7	11	1.3	0.46	0.9	0.24	30	230	1140
PSF-4	7.4	8	3.2	0.39	1	0.7	47.6	46	560
PSF-5	7.1	4	1.76	0.44	1.2	0.56	34	0	30
PSF-6	7.6	9	1.23	0.36	1.2	0.25	22	29	200
PSF-7	7.2	5	2.58	0.42	0.7	0.56	36.6	62	340
PSF-8	8.2	6	2	0.28	1.6	0.38	24.3	5	10
PSF-9	8.7	13	1.48	0.44	1.1	0.27	12	380	2900
PSF-10	7.3	4	2.2	0.31	0.9	0.15	42	120	580
PSF-11	6.6	15	3.1	0.35	1.7	0.8	65.6	600	2000
PSF-12	7.1	7	1.7	0.48	0.6	0.55	27.8	220	320
PSF-13	6.9	3	2.19	0.54	1.3	0.81	44.2	6	80
RWH-1	8.1	2	0.3	0.37	3.9	0.11	8.5	15	280
RWH-2	8.3	1	0.1	0.11	4.4	0.02	17.4	0	20
RWH-3	7.4	2	0	0.03	2.5	0.06	2.3	5	70
RWH-4	7.7	8	0.1	0.09	3.3	0.08	14.7	90	750
RWH-5	8.2	3	0.2	0.24	5.1	0.16	25	150	3600
Pond-1	6.9	83	2.1	0.44	1.2	0.95	16.3	1200	3000
Pond-2	7.1	100	1.6	0.25	1.2	0.57	50	300	4800
Pond-3	7.6	91	2.4	0.48	1.4	0.73	23.6	800	13000
Pond-4	7.7	76	1.85	0.31	1.1	0.61	38.7	1100	2400
Pond-5	7.2	94	3.5	0.63	0.9	0.37	62.2	3000	7000
Pond-6	7.7	88	2.2	0.43	1.5	0.47	42.7	120	2700
Pond-7	8.2	103	1.35	0.37	1.4	0.65	36.6	2100	4000
Pond-8	7.2	126	2.6	0.75	0.8	0.5	77	5000	15000
Pond-9	8.4	111	2.16	0.4	2.1	0.95	19.4	1700	17000
Pond-10	6.8	98	3	0.52	1	0.33	28.1	700	4000
WHO <sup>a</sup>	☆	5	☆	☆	11	☆	☆	0	0
BDS <sup>b</sup>	6.5-8.5	10	1	☆	10	6	400	0	0

<sup>a</sup>Drinking water quality guideline (WHO 2011), <sup>b</sup>Drinking water quality standards of Bangladesh (ECR 1997)

‘☆’ guideline values have not been established