

Table S1 Particle size compositions in sediment core samples

Sample	Depth (m)	Particles (%)			
		C sand	F sand	Silt	Clay
S01	4.5	0.0	56.4	38.2	5.4
S02	6.4	95.1	3.1	1.8	0.0
S03	13.0	29.6	49.6	17.8	3.0
S04	17.4	0.3	32.5	56.3	10.9
S05	19.4	19.4	24.5	48.8	7.2
S06	24.1	0.0	36.4	53.8	9.8
S07	24.9	80.1	2.3	17.6	0.0
S08	27.5	0.0	44.7	48.3	7.0
S09	30.0	0.5	47.9	44.3	7.3
S10	36.1	28.7	47.0	18.5	5.8
S11	37.1	35.4	51.8	9.6	3.3
S12	43.1	7.5	36.6	46.6	9.3
S13	49.5	99.6	0.4	0.0	0.0
T01	3.5	0.0	24.9	58.0	17.1
T02	14.0	72.1	27.9	0.0	0.0
T03	17.8	40.2	53.9	5.4	0.6
T04	19.9	0.0	54.4	42.0	3.5
T05	23.9	49.7	19.7	21.1	9.5
T06	24.9	0.0	19.8	65.7	14.5
T07	31.4	52.4	21.0	19.6	7.0
T08	33.9	99.3	0.8	0.0	0.0
T09	35.9	0.0	27.5	65.6	7.0
T10	46.9	90.1	6.1	3.6	0.3
N01	3.7	0.0	37.2	56.6	6.2
N02	8.9	3.1	38.9	47.6	10.4
N03	12.8	61.2	32.9	5.3	0.7
N04	17.3	46.0	50.1	3.3	0.6
N05	20.7	51.7	42.8	4.6	0.7
N06	28.2	32.8	60.8	5.7	0.8
N07	39.8	25.5	62.6	10.6	1.3
N08	50.2	12.0	73.5	13.1	1.4
N09	54.8	14.4	71.2	12.9	1.3
N10	65.2	26.3	73.7	0.0	0.0