

SUPPLEMENTAL TABLE S1: Station and vertical variability in sediment grain size (clay, silt, sand) and organic matter content. nd—no data, bd—below detection (i.e., analytical zero).

Station Number	Latitude (North)	Longitude (East)	Station Bottom Depth (m)	Depth interval below sediment surface (cm)	% Clay (<3.9 um)	% Silt (>3.9-63 um)	% Sand (>63-2000 um)	Organic Matter (%), Loss on Ignition		
								Rep 1	Rep 2	Rep 3
1	30.4369	-88.0177	4.2	1 - 3	24.6	69.3	6.1	nd	nd	nd
1	30.4369	-88.0177	4.2	3 - 5	36.5	59.2	4.36	4.6%	4.7%	2.8%
1	30.4369	-88.0177	4.2	5 - 7	36.3	59.7	4.1	6.6%	7.1%	10.5%
1	30.4369	-88.0177	4.2	7 - 9	35.7	59.6	4.7	7.3%	5.2%	3.6%
1	30.4369	-88.0177	4.2	9 - 11	40.7	53.9	5.3	6.8%	13.2%	8.7%
4	30.3290	-88.0241	5.2	1 - 3	20.7	66.9	12.4	7.8%	7.7%	8.2%
4	30.3290	-88.0241	5.2	3 - 5	20.6	68.6	10.8	8.5%	6.0%	4.5%
4	30.3290	-88.0241	5.2	5 - 7	19.7	70.0	10.3	6.4%	5.7%	5.1%
4	30.3290	-88.0241	5.2	7 - 9	18.6	69.7	11.7	3.8%	6.1%	5.4%
4	30.3290	-88.0241	5.2	9 - 11	18.2	69.2	12.6	7.1%	6.2%	2.5%
8	30.1874	-88.0837	8.6	1 - 3	0.7	2.4	96.9	bd	bd	bd
8	30.1874	-88.0837	8.6	3 - 5	0.2	0.9	98.9	bd	bd	0.3%
8	30.1874	-88.0837	8.6	5 - 7	2.6	6.3	91.1	1.7%	1.0%	0.0%
8	30.1874	-88.0837	8.6	7 - 9	12.5	35.6	51.9	4.4%	2.7%	3.0%
8	30.1874	-88.0837	8.6	9 - 11	11.3	32.6	56.1	4.4%	2.3%	1.8%