

**Supplemental Table S-1: GPS Coordinates of Sampling Sites**

<b>Site ID</b>	<b>latitude</b>	<b>longitude</b>	<b>sample site description</b>
A1	30.0249	-90.1228	Lake Pontchartrain
A2	30.0247	-90.1336	Lake Pontchartrain
A3	30.0295	-90.1542	Lake Pontchartrain
A4	30.0329	-90.1743	Lake Pontchartrain
B1	30.0264	-90.1210	Lake Pontchartrain
B2	30.0355	-90.1209	Lake Pontchartrain
B3	30.0543	-90.1210	Lake Pontchartrain
B4	30.0719	-90.1209	Lake Pontchartrain
C1	30.0280	-90.1128	Lake Pontchartrain
C2	30.0319	-90.1038	Lake Pontchartrain
C3	30.0410	-90.0857	Lake Pontchartrain
C4	30.0500	-90.0681	Lake Pontchartrain
CS	30.0688	-90.1636	Lake Pontchartrain
D1	30.0323	-90.0771	Lake Pontchartrain
D2	30.0321	-90.0745	Lake Pontchartrain
D3	30.0412	-90.0753	Lake Pontchartrain
D4	30.0592	-90.0766	Lake Pontchartrain
E1	30.0340	-90.0377	Lake Pontchartrain
E2	30.0334	-90.0352	Lake Pontchartrain
E3	30.0422	-90.0374	Lake Pontchartrain
E4	30.0600	-90.0413	Lake Pontchartrain
R1	30.0255	-90.1203	Industrial Canal
R2	30.0257	-90.0829	Bayou St. John
R3	30.0296	-90.0741	London Ave. Canal
R4	30.0316	-90.0380	Industrial Canal
R5	30.0115	-90.0701	London Ave. Canal
R6	30.0119	-90.0860	Bayou St. John
S1	29.9868	-90.1251	17th Street Canal
S3	30.0250	-90.0316	Industrial Canal
Y1	30.0183	-90.0611	Flooded sediment
Y2	30.0151	-90.0694	Flooded sediment
Y3	30.0236	-90.0204	Flooded sediment
Y4	30.0089	-90.1151	Flooded sediment
Y5	30.0158	-90.1025	Flooded sediment
Y6	30.0338	-89.9635	Flooded sediment
Y7	30.0568	-89.9459	Flooded sediment
Y8	29.9905	-90.0475	Flooded sediment
Y9	29.9724	-90.0181	Flooded sediment
Y10	29.9640	-89.9872	Flooded sediment
Y11	29.9477	-90.1041	Flooded sediment
Z1	29.9572	-90.0630	non-flooded sediment
Z2	29.9360	-90.0741	non-flooded sediment
Z3	29.9233	-90.0923	non-flooded sediment
Z4	29.9259	-90.1276	non-flooded sediment
Z5	29.9911	-90.1301	non-flooded sediment
Z6	29.9547	-90.1661	non-flooded sediment
Z7	29.9988	-90.2139	non-flooded sediment
Z8	29.9893	-90.1718	non-flooded sediment
Z9	30.0044	-90.1406	non-flooded sediment
Z10	30.0127	-90.0098	non-flooded sediment