

Fall 2010

Site #	Eh (mV _{NHE})	Sulphide (μM)	Sediment condition
2			
3	62	457	Oxic A
4			
6			
10			
12			
14			
16	42.5	1132	Oxic B
17			
18			
20			
22	168.3	101	Oxic A
23			
24			
25	235	299	Oxic B
26	9.1	1177.9	Oxic B
27	-157	1098	Oxic B
28			
29			
30			
32	121.1	148.3	Oxic A
33	112.7	459.8	Oxic A
34	206.8	72	Oxic A
35	127.2	135.4	Oxic A
36	60.9	304.6	Oxic A
37			
38	84	758	Oxic B
39			
40			
42			
44			
45	-18	1020	Oxic B
46			
49			
50			
51	35	473	Oxic A
52	105.7	379.5	Oxic A
53	-35	1589	Hypoxic A
54	-20.1	1142	Oxic B
55	12	374	Oxic A
56			
57	114	227	Oxic A
58			
59	-171	2277	Hypoxic A
60			
61			
64			
84	5.1	1786	Hypoxic A
95			
159			

Site #	Eh (mV _{NHE})	Sulphide (μM)	Sediment condition
168	4	554	Oxic A
172	159	1161	Oxic B
179	-22	2438	Hypoxic A
181			
186			
202	123	228	Oxic A
206			
213	10	337	Oxic A
214			
215	-151	1883	Hypoxic A
222	16	855	Oxic B
228	-91	1758	Hypoxic A
251	-165	5092	Hypoxic C
255			
256			
270	139.7	281	Oxic A
276	114.6	168.5	Oxic A
282	57	1108	Oxic B
290			
292	108.2	163	Oxic A
298	70	2583	Hypoxic A
300	176	906	Oxic B
303	275	23.1	Oxic A
316	260	114	Oxic A
320	-67	1578	Hypoxic A
337			
342	-327	7188.3	Anoxic
349	27	1918	Hypoxic A
350	-72	676	Oxic A
368	21	1480	Oxic B
370	-128	1593	Hypoxic A
377	-65	537	Oxic A
378	67.5	284	Oxic A
381	387.2	0.49	Oxic A
400	70.2	269	Oxic A
403	165	539	Oxic A
404	96.4	105	Oxic A
408	124	230	Oxic A
411			
412	179.8	101.5	Oxic A
413			
416			
491	348	75	Oxic A
494			
495			
496	208.7	31.8	Oxic A
501	253	6.8	Oxic A
502	-5.7	1832.1	Hypoxic A
503	134	349	Oxic A
504			
507	-199.6	1442	Oxic B

Table 1: Site Classifications and Sediment Sulfide Concentrations

Site Classification		Sediment Sulfide Concentrations
Oxic	Oxic A	Sulfide = <750 μ M
	Oxic B	Sulfide = 750 to 1500 μ M
Hypoxic	Hypoxic A	Sulfide = 1500 to 3000 μ M
	Hypoxic B	Sulfide = 3000 to 4500 μ M
	Hypoxic C	Sulfide = 4500 to 6000 μ M
Anoxic	Anoxic	Sulfide > 6000 μ M