

FALL 2004

Site #	Eh (mV _{NHE})	Sulphide (μM)	Sediment condition
2	27	1244	Oxic 2
3	101	536	Oxic 1
4	-121	4456	Hypoxic
6			
10	26	1684	Oxic 2
12	-64	2257	Hypoxic
14	-39	2693	Hypoxic
16	-3	1255	Oxic 2
17	-39	1728	Hypoxic
18	120	992	Oxic 1
20	-154	3375	Hypoxic
22	38	1136	Oxic 2
23	-14	2389	Hypoxic
24	38	1087	Oxic 2
25	-86	5721	Hypoxic
26	27	1391	Oxic 2
27	-61	3959	Hypoxic
28	-14	2216	Hypoxic
29	-42	2756	Hypoxic
30	-51	2936	Hypoxic
32	-106	3507	Hypoxic
33	42	1250	Oxic 2
34	214	1684	Oxic 1
35	83	5980	Oxic 2
36			
37	-74	4107	Hypoxic
38	2	1496	Oxic 2
39			
40	10	1181	Oxic 2
42	-13	1241	Oxic 2
44	73	2172	Oxic 2
45	87	567	Oxic 2
46	-14	1250	Oxic 2
49	41	762	Oxic 2
50	342	66	Oxic 1
51	158	774	Oxic 1
52	177	729	Oxic 1
53	182	469	Oxic 1
54	56	673	Oxic 2
55	207	541	Oxic 1
56	157	494	Oxic 1
57	99	1033	Oxic 2
58	-25	1989	Hypoxic
59	45	1022	Oxic 2
60	344	319	Oxic 1
61	-24	2376	Hypoxic
64			
84	-11	2147	Hypoxic
95			
159	137	606	Oxic 1
168	209	609	Oxic 1
172	108	725	Oxic 1

Site #	Eh (mV _{NHE})	Sulphide (μM)	Sediment condition
179	118	408	Oxic 1
181	88	1165	Oxic 2
186	-25	2648	Hypoxic
202	-53	2700	Hypoxic
206	46	925	Oxic 2
213	111	935	Oxic 1
214	33	1384	Oxic 2
215	39	1182	Oxic 2
222	52	1203	Oxic 2
228	136	607	Oxic 1
251	-28	2167	Hypoxic
255	158	421	Oxic 1
256	315	5	Oxic 1
270	9	977	Oxic 2
276	77	1441	Oxic 2
282	142	492	Oxic 1
290	13	1954	Oxic 2
292	40	1075	Oxic 2
298	319	306	Oxic 1
300	12	372	Oxic 2
303	283	72	Oxic 1
316	9	1216	Oxic 2
320	30	1052	Oxic 2
324			
333			
337	-50	2924	Hypoxic
342	224	311	Oxic 1
349	97	660	Oxic 2
350	78	989	Oxic 2
368	56	584	Oxic 2
370	21	479	Oxic 2
377	44	1079	Oxic 2
378	27	1706	Oxic 2
381	119	635	Oxic 1
400	39	1066	Oxic 2
403	219	131	Oxic 1
404	225	368	Oxic 1
408	204	540	Oxic 1
411	53	1031	Oxic 2
412	85	1205	Oxic 2
413	177	458	Oxic 1
416	261	5	Oxic 1
491	277	99	Oxic 1
495	64	1130	Oxic 2
496			
501	263	28	Oxic 1
282b	214	106	Oxic 1
403b	358	182	Oxic 1
408b			
362			
396			

Sediment Condition	Observed and Measured Conditions
Oxic 1	Redox Potential (Eh) => + 100 mV NHE Sulfide = < 300 uM
Oxic 2	Redox Potential (Eh) =0 to 100 mV NHE Sulfide = 300 - 1300 uM
Hypoxic	Redox Potential (Eh) = 0 to -100 mV NHE Sulfide = 1300 - 6000 uM
Anoxic	Redox Potential (Eh) = < - 100 mV NHE Sulfide = > 6000 uM

The above table is for 2002-2005, inclusive.

Both redox potential and sulfide must fall within the sediment condition ranges for a site to be assigned that sediment condition.

In cases where the parameters are within separate sediment condition ranges, the sediment condition range in which the parameter showing the least impact is used to assign sediment condition.

Legend

Eh = oxidation-reduction potential or Redox

mVNHE = millivolts relative to the normal hydrogen electrode

uM = micro moles per litre