

FALL 2002

Site #	Eh (mV _{NHE})	Sulphide (μM)	Sediment condition
2	338	14	Oxic 1
3	191	208	Oxic 1
4	89	243	Oxic 1
6			
10	-30	1104	Oxic 2
12	-139	3984	Hypoxic
14	-68	2260	Hypoxic
16	-188	2308	Hypoxic
17	-60	1460	Hypoxic
18	-42	1612	Hypoxic
20	-124	2622	Hypoxic
22	-89	2701	Hypoxic
23	-8	2469	Hypoxic
24	35	702	Oxic 2
25	-146	3570	Hypoxic
26	-46	1215	Oxic 2
27	-168	3475	Hypoxic
28	-111	4557	Hypoxic
29	-71	1789	Hypoxic
30	-110	2769	Hypoxic
32	-87	864	Oxic 2
33	91	1062	Oxic 2
34	-152	1854	Hypoxic
35	-188	2483	Hypoxic
36	-84	2000	Hypoxic
37	-33	1697	Hypoxic
38	187	698	Oxic 1
39	111	1145	Oxic 1
40	-11	1212	Oxic 2
42	-155	3233	Hypoxic
44	-24	1200	Oxic 2
45	-21	1164	Oxic 2
46	-83	2435	Hypoxic
49	135	608	Oxic 1
50	266	99	Oxic 1
51	199	389	Oxic 1
52	138	430	Oxic 1
53	-72	1481	Hypoxic
54	19	770	Oxic 2
55	-54	1242	Oxic 2
56	42	1058	Oxic 2
57	235	160	Oxic 1
58	-11	1082	Oxic 2
59	3	1117	Oxic 2
60	255	55	Oxic 1
61	-103	2422	Hypoxic
64	-199	2398	Hypoxic
84	-121	4610	Hypoxic
95	-106	2617	Hypoxic
159	105	710	Oxic 1
168	36	753	Oxic 2
172	260	379	Oxic 1

Site #	Eh (mV _{NHE})	Sulphide (μM)	Sediment condition
179	47	234	Oxic 1
181	-108	6265	Anoxic
186	-115	1044	Oxic 2
202	95	481	Oxic 2
206	76	994	Oxic 2
213	71	869	Oxic 2
214	64	233	Oxic 1
215	12	926	Oxic 2
222	111	494	Oxic 1
228	58	700	Oxic 2
251	2	918	Oxic 2
255	37	919	Oxic 2
256	70	642	Oxic 2
270	28	504	Oxic 2
276	-60	1382	Hypoxic
282	223	141	Oxic 1
290	-118	4153	Hypoxic
292	61	531	Oxic 2
298	317	36	Oxic 1
300	291	21	Oxic 1
303	279	85	Oxic 1
316	280	44	Oxic 1
320	64	284	Oxic 1
324			
333			
337	-74	2145	Hypoxic
342	-162	3775	Hypoxic
349	150	260	Oxic 1
350	125	591	Oxic 1
368	10	837	Oxic 2
370	-22	960	Oxic 2
377	-2	1260	Oxic 2
378	59	675	Oxic 2
381	372	16	Oxic 1
400	147	188	Oxic 1
403	246	95	Oxic 1
404	182	66	Oxic 1
408	383	78	Oxic 1
411	243	51	Oxic 1
412	122	209	Oxic 1
413	224	239	Oxic 1
416	360	3	Oxic 1
491	385	4	Oxic 1
495			
496			
501	NA	NA	NA
282b			
403b			
408b			
362			
396			

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

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

μ M = micro moles per litre