

FALL 2005

| Site # | Eh (mV _{NHE}) | Sulphide (µM) | Sediment condition |
|--------|-------------------------|---------------|--------------------|
| 2 | -17 | 5214 | Hypoxic |
| 3 | 94 | 655 | Oxic 2 |
| 4 | 8 | 2938 | Oxic 2 |
| 6 | | | |
| 10 | -18 | 2577 | Hypoxic |
| 12 | 9 | 1352 | Oxic 2 |
| 14 | 46 | 4708 | Oxic 2 |
| 16 | 33 | 1097 | Oxic 2 |
| 17 | -15 | 2020 | Hypoxic |
| 18 | 57 | 989 | Oxic 2 |
| 20 | | | |
| 22 | | | |
| 23 | 59 | 1160 | Oxic 2 |
| 24 | | | |
| 25 | 33 | 1626 | Oxic 2 |
| 26 | 110 | 783 | Oxic 1 |
| 27 | -14 | 1583 | Hypoxic |
| 28 | 19 | 885 | Oxic 2 |
| 29 | -65 | 3478 | Hypoxic |
| 30 | 89 | 1432 | Oxic 2 |
| 32 | 65 | 1153 | Oxic 2 |
| 33 | | | |
| 34 | 151 | 292 | Oxic 1 |
| 35 | 6 | 1434 | Oxic 2 |
| 36 | | | |
| 37 | 111 | 758 | Oxic 1 |
| 38 | -12 | 17298 | Hypoxic |
| 39 | | | |
| 40 | 69 | 647 | Oxic 2 |
| 42 | 196 | 4020 | Oxic 1 |
| 44 | 31 | 1321 | Oxic 2 |
| 45 | -52 | 6603 | Hypoxic |
| 46 | -59 | 3821 | Hypoxic |
| 49 | | | |
| 50 | | | |
| 51 | | | |
| 52 | 266 | 222 | Oxic 1 |
| 53 | -84 | 1216 | Oxic 2 |
| 54 | 169 | 190 | Oxic 1 |
| 55 | 268 | 7 | Oxic 1 |
| 56 | | | |
| 57 | 80 | 735 | Oxic 2 |
| 58 | 258 | 314 | Oxic 1 |
| 59 | -32 | 2533 | Hypoxic |
| 60 | | | |
| 61 | -38 | 2948 | Hypoxic |
| 64 | | | |
| 84 | | | |
| 95 | | | |
| 159 | 154 | 161 | Oxic 1 |
| 168 | 288 | 126 | Oxic 1 |
| 172 | 39 | 4697 | Oxic 2 |

| Site # | Eh (mV _{NHE}) | Sulphide (µM) | Sediment condition |
|--------|-------------------------|---------------|--------------------|
| 179 | 113 | 1022 | Oxic 1 |
| 181 | | | |
| 186 | 29 | 3306 | Oxic 2 |
| 202 | 113 | 743 | Oxic 1 |
| 206 | -37 | 3569 | Hypoxic |
| 213 | 28 | 2812 | Oxic 2 |
| 214 | | | |
| 215 | -62 | 7823 | Hypoxic |
| 222 | 23 | 1483 | Oxic 2 |
| 228 | -90 | 1830 | Hypoxic |
| 251 | -21 | 2689 | Hypoxic |
| 255 | | | |
| 256 | 182 | 59 | Oxic 1 |
| 270 | 154 | 273 | Oxic 1 |
| 276 | 57 | 1006 | Oxic 2 |
| 282 | 177 | 187 | Oxic 1 |
| 290 | 106 | 497 | Oxic 1 |
| 292 | 98 | 751 | Oxic 2 |
| 298 | 80 | 1094 | Oxic 2 |
| 300 | 68 | 2338 | hypoxic |
| 303 | 175 | 309 | Oxic 1 |
| 316 | 174 | 986 | Oxic 1 |
| 320 | -27 | 812 | Oxic 2 |
| 324 | | | |
| 333 | | | |
| 337 | | | |
| 342 | | | |
| 349 | 19 | 1336 | Oxic 2 |
| 350 | 73 | 1883 | Oxic 2 |
| 368 | -90 | 11121 | Hypoxic |
| 370 | -8 | 2066 | Hypoxic |
| 377 | -5 | 1554 | Hypoxic |
| 378 | 50 | 931 | Oxic2 |
| 381 | 125 | 651 | Oxic 1 |
| 400 | 50 | 1049 | Oxic 2 |
| 403 | 176 | 120 | Oxic 1 |
| 404 | -27 | 812 | Oxic 2 |
| 408 | 135 | 119 | Oxic 1 |
| 411 | 118 | 631 | Oxic 1 |
| 412 | 49 | 1104 | Oxic 2 |
| 413 | 144 | 388 | Oxic 1 |
| 416 | | | |
| 491 | 166 | 224 | Oxic 1 |
| 495 | 73 | 915 | Oxic 2 |
| 496 | 173 | 13 | Oxic 1 |
| 501 | 203 | 100 | Oxic 1 |
| 282b | 234 | 553 | Oxic 1 |
| 403b | 200 | 128 | Oxic 1 |
| 408b | 236 | 94 | Oxic 1 |
| 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