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|  | **Lake Mendota** | **Trout Bog Epilimnion** | **Trout Bog Hypolimnion** |
| **Location** | Madison, WI | Boulder Junction, WI | |
| **Coordinates** | 43.107055, -89.411729 | 46.041172, -89.686297 | |
| **Depth of lake (m)** | 25.3 | 7.9 | |
| **Surface area of lake (km2)** | 39.61 | 0.01 | |
| **Microbial sampling depth range (m)** | 0-12 | 0-2 | 2-7 |
| **Years sampled** | 2008-2012 | 2007-2009 | 2007-2009 |
| **Oxygenation** | Oxic | Oxic | Suboxic/Anoxic |
| **pH** | 8.6 (0.4) | 5.0 (0.2) | 5.3 (0.2) |
| **Dissolved inorganic carbon (ppm)** | 40.8 (5.0) | 2.6 (2.2) | 6.9 (3.1) |
| **Dissolved organic carbon (ppm)** | 6.0 (6.2) | 17.7 (5.2) | 22 (6.2) |
| **Total dissolved nitrogen (ppb)** | 923 (487) | 637 (204) | 1392 (1031) |
| **Total nitrogen (ppb)** | 1098.81 (520.92) | 831.49 (315.65) | 1684 (1563) |
| **Total dissolved phosphorus (ppb)** | 43.92 (50.97) | 15.00 (13.65) | 69 (98) |
| **Total phosphorus (ppb)** | 64.11 (52.30) | 32.29 (13.65) | 95 (126) |
| **Sulfate (ppm)** | 16.9 (1.5) | 1.2 (0.3) | 0.9 (0.7) |