

Supplemental Table S2. Statistical summaries of epilimnetic temperature metrics for 3 periods of intensive sampling in Lake Mendota: “Early” (1894-1930), “Mid” (1950-1979), and “Recent” (1980-2017). Statistical differences (*t*-test, $\alpha=0.05$, assuming unequal variances) of mean temperatures (°C) between periods are identified for Early vs. Mid (E-M), Mid vs. Recent (M-R), and Early vs. Recent (E-R) periods as: “-” (not significant), “+” ($p<0.05$), and “++” ($p<0.01$). (Note: Early and Mid periods have some years with no temperature metric data.)

| | | Temperature Sampling Period | | | Period Difference | | |
|--------------|----------|-----------------------------|-----------------|--------------------|-------------------|-----|-----|
| | | Early (1894-1930) | Mid (1950-1979) | Recent (1980-2017) | E-M | M-R | E-R |
| 1-May | mean | 8.08 | 8.14 | 9.05 | - | - | ++ |
| | <i>s</i> | 1.31 | 1.77 | 1.38 | | | |
| | <i>n</i> | 32 | 13 | 38 | | | |
| 1-June | mean | 15.50 | 15.88 | 16.70 | - | - | + |
| | <i>s</i> | 2.18 | 2.08 | 1.99 | | | |
| | <i>n</i> | 31 | 17 | 38 | | | |
| 1-July | mean | 22.03 | 22.10 | 22.61 | - | - | - |
| | <i>s</i> | 2.03 | 1.68 | 1.43 | | | |
| | <i>n</i> | 30 | 21 | 38 | | | |
| 1-August | mean | 23.55 | 24.23 | 24.46 | - | - | ++ |
| | <i>s</i> | 1.22 | 1.62 | 1.33 | | | |
| | <i>n</i> | 28 | 24 | 38 | | | |
| 1-September | mean | 21.83 | 22.16 | 22.57 | - | - | + |
| | <i>s</i> | 1.17 | 1.27 | 1.28 | | | |
| | <i>n</i> | 30 | 20 | 38 | | | |
| 1-October | mean | 17.24 | 17.27 | 17.29 | - | - | - |
| | <i>s</i> | 1.07 | 0.87 | 1.35 | | | |
| | <i>n</i> | 32 | 19 | 38 | | | |
| 1-November | mean | 10.76 | 11.57 | 11.32 | - | - | - |
| | <i>s</i> | 1.65 | 1.40 | 1.27 | | | |
| | <i>n</i> | 29 | 16 | 36 | | | |
| July-August | mean | 23.22 | 23.13 | 23.93 | - | ++ | ++ |
| | <i>s</i> | 0.97 | 0.71 | 1.06 | | | |
| | <i>n</i> | 25 | 19 | 38 | | | |
| Max Recorded | mean | 25.02 | 25.30 | 25.51 | - | - | - |
| | <i>s</i> | 1.41 | 1.29 | 1.20 | | | |
| | <i>n</i> | 24 | 20 | 38 | | | |