Table 1. Minimum and maximum depth, mean whole water-column temperature (T), and minimum hypolimnion dissolved oxygen (O2) concentrations at our sampling sites in western, central, and eastern basins of Lake Erie during Spring and Autumn 2014.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Season | Basin | Min Depth (m) | Max Depth (m) | Water-Column T (°C) | Hypolimnion O2 (mg/L) |
| May | Western | 5.0 | 9.5 | 9.18 | 10.08 |
| May | Central | 17.7 | 23.9 | 4.98 | 10.23 |
| May | Eastern | 12.5 | 25.0 | 5.55 | 11.12 |
| September | Western | 5.5 | 9.2 | 21.71 | 7.74 |
| September | Central | 11.7 | 11.7 | 20.25 | 9.04 |
| September | Eastern | 12.3 | 12.3 | 18.55 | 9.38 |

Table 2. Simple linear regression coefficients for wet-weight energy density (J/g) as a function of Emerald Shiner weight (g) in western, central, and eastern basins of Lake Erie during Spring and Autumn 2014.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Spring |  |  |  |  | Autumn |  |  |  |
|  | α | β | r2 | *P* |  | α | β | r2 | *P* |
| Western Basin | 5713.2 | 413.3 | 0.15 | <0.01 |  | 7713.6 | -57.65 | -0.07 | <0.01 |
| Central Basin | 6730.6 | 281.9 | 0.02 | <0.01 |  | 8155.9 | 48.34 | -0.10 | <0.01 |
| Eastern Basin | 6959.0 | 236.6 | 0.04 | <0.01 |  | 8254.6 | -128.5 | -0.05 | <0.01 |

α = Regression line intercept, β = regression line slope.