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| **Column Header** | **Notes** |
| Year | year of sampling |
| SampleID | Sample ID number for the ISU Limno Lab database |
| LakeName | Lake name |
| LakeID | Lake number from ISU Limno Lab database |
| Depth | Depth of sample, "Epi" = epilimnion, "Hypo"= hypolimnion |
| DOY | Julia day of year |
| DOYFrac | the fraction of the year, calculated as year+(DOY/365) |
| TP\_ugL | Total phosphorus in micrograms per liter |
| SRP\_ugL | Soluble reactive phosphorus in micrograms per liter |
| TSS\_mgL | Total suspended solids in milligrams per liter |
| VSS\_mgL | Volitale suspended solids in milligrams per liter |
| ISS\_mgL | Inorganic suspended solids in milligrams per liter |
| TN\_mgL | Total nitrogen in milligrams per liter |
| Nitrate\_mgL | Nitrate in milligrams per liter |
| Secchi\_m | Secchi depth in meters |
| Chla\_ugL | Chlorophyll a concentrations in micrograms per liter |
| Phyco\_ugL | Phycocyanin concentrations in micrograms per liter |

**Sampling Locations:** All lakes were sampled at the historical deep point at the surface (0.25 m) and with a van dorn sampler from the bottom waters (0.5 m above the sediment surface).