| Variable | Description |
| --- | --- |
| Lake\_Name | Name of waterbody |
| nhdCOMID | Unique waterbody identifier used in NHDPlusV2 |
| co2.erate.mg.h\_Estimate | Mean reservoir-scale carbon dioxide ebullition rate (mg CO2 m-2 h-1) |
| ch4.erate.mg.h\_Estimate | Mean reservoir-scale methane ebullition rate (mg CH4 m-2 h-1) |
| co2.drate.mg.m2.h\_Estimate | Mean reservoir-scale carbon dioxide diffusion rate (mg CO2 m-2 h-1) |
| ch4.drate.mg.m2.h\_Estimate | Mean reservoir-scale methane diffusion rate (mg CH4 m-2 h-1) |
| ch4.trate.mg.h\_Estimate | Mean reservoir-scale total methane emission rate (mg CH4 m-2 h-1) |
| co2.trate.mg.h\_Estimate | Mean reservoir-scale total carbon dioxide emission rate (mg CO2 m-2 h-1) |
| ch4.drate.mg.m2.h\_LCB95Pct | Lower 95% confidence interval of the mean reservoir-scale methane diffusion rate (mg CH4 m-2 h-1) |
| ch4.drate.mg.m2.h\_UCB95Pct | Upper 95% confidence interval of the mean reservoir-scale methane diffusion rate (mg CH4 m-2 h-1) |
| ch4.erate.mg.h\_LCB95Pct | Lower 95% confidence interval of the mean reservoir-scale methane ebullition rate (mg CH4 m-2 h-1) |
| ch4.erate.mg.h\_UCB95Pct | Upper 95% confidence interval of the mean reservoir-scale methane ebullition rate (mg CH4 m-2 h-1) |
| ch4.trate.mg.h\_LCB95Pct | Lower 95% confidence interval of the mean reservoir-scale total methane emission rate (mg CH4 m-2 h-1) |
| ch4.trate.mg.h\_UCB95Pct | Upper 95% confidence interval of the mean reservoir-scale total methane emission rate (mg CH4 m-2 h-1) |
| co2.drate.mg.m2.h\_LCB95Pct | Lower 95% confidence interval of the mean reservoir-scale carbon dioxide diffusion rate (mg CO2 m-2 h-1) |
| co2.drate.mg.m2.h\_UCB95Pct | Upper 95% confidence interval of the mean reservoir-scale carbon dioxide diffusion rate (mg CO2 m-2 h-1) |
| co2.erate.mg.h\_LCB95Pct | Lower 95% confidence interval of the mean reservoir-scale carbon dioxide ebullition rate (mg CO2 m-2 h-1) |
| co2.erate.mg.h\_UCB95Pct | Upper 95% confidence interval of the mean reservoir-scale carbon dioxide ebullition rate (mg CO2 m-2 h-1) |
| co2.trate.mg.h\_LCB95Pct | Lower 95% confidence interval of the mean reservoir-scale total carbon dioxide emission rate (mg CO2 m-2 h-1) |
| co2.trate.mg.h\_UCB95Pct | Upper 95% confidence interval of the mean reservoir-scale total carbon dioxide emission rate (mg CO2 m-2 h-1) |
| chla\_Estimate | Mean reservoir-scale chlorophyll a concentration (µg L-1) |
| tp\_Estimate | Mean reservoir-scale total phosphorus concentration (mg L-1) |
| tn\_Estimate | Mean reservoir-scale total nitrogen concentration (mg L-1) |
| dissolved.ch4\_Estimate | Mean reservoir-scale dissolved methane concentration (mol CH4 L-1) |
| dissolved.co2\_Estimate | Mean reservoir-scale dissolved carbon dioxide concentration (mol CO2 L-1) |
| toc\_Estimate | Mean reservoir-scale total organic carbon concentration (mg L-1) |
| hypoxic.frac | Fraction of waterbody volume that is hypoxic |
| hypol.frac | Hypolimnion fraction of waterbody volume  |
| max.depth.m | Maximum waterbody depth (m) |
| depth.ratio | Ratio of mean to maximum depth |
| dynamic.ratio | square root of waterbody surface area divided by mean depth |
| prop.less.3m | Proportion of reservoir less than 3 m deep. A proxy for littoral area. |
| reservoir.area.m2 | Reservoir surface area (m2) |
| rda | Relative drainage area; ratio of watershed to reservoir area |
| percent.agg.ag | Percent cultivated land in watershed. |
| nhdPctAg2006Slp10Ws | Percent cultivated land in watershed on slopes > 10%. See lakeCat documentation for more details. |
| nhdRunoffWs | Watershed runoff (mm). See lakeCat documentation for more details. |
| nhdKffactWs | Mean of STATSGO Kffactor raster on agricultural land (NLCD 2006) within watershed and represents a relative index of susceptibility of bare, cultivated soil to particle detachment and transport by rainfall. See lakeCat documentation for more details. |
| nhdTmean8110Ws | PRISM climate data - 30-year normal mean temperature (C°): Annual period: 1981-2010 within the watershed. See lakeCat documentation for more details. |
| nhdOmWs | Mean organic matter content (% by weight) of soils (STATSGO) within watershed. See lakeCat documentation for more details. |