

Appendix 1. Estimates of Withdrawals and Other Elements of Water Use by 8-Digit Hydrologic (Cataloging) Unit Codes (HUC) in the Great Lakes Basin, 2005. *A*, Data Dictionary. *B*, Estimates by State. *C*, Estimates by Watershed (8-digit HUC).

Appendix 1A: Data Dictionary

The following listings describe the columns of water-use estimates for hydrologic (cataloging) units (HUC, 8 digit) in the Great Lakes Basin contained in the spreadsheet data files included as appendixes 1*B* and 1*C*. The first line of the spreadsheet file contains “Column Tags,” which match those presented below. The descriptions for the column tags are presented under “Data Description” in the listing.

All data are expressed in million gallons per day (Mgal/d), except area, which are in square miles (mi²) and percent; population values, which are in thousands; per capita values, which are in gallons per day (gal/d); power-generated values, which are in gigawatt-hours (GWh); acres irrigated, which are in thousands; and intensity of withdrawal values, which are in million gallons per day per square mile (Mgal/d/mi²) and gal/d.

Column and data descriptors for Appendix 1C: Estimates by Watershed (8-digit HUC)

Column tag	Data description
HUC8Code	HUC code (8 digit)
HUC8Name	HUC name (8 digit)
AREA	Area of HUC (8 digit) in the state, in mi ²
INTEN-A	Intensity of water withdrawals, as a function of land area, in Mgal/d/mi ²
INTEN-PC	Intensity of water withdrawals, as a function of per capita use, in gal/d
TP-TotalPop	Total population of HUC (8 digit), in thousands
PS-Wtotal	Public supply, total withdrawals, in Mgal/d
PS-WGWFr	Public supply, groundwater withdrawals, fresh, in Mgal/d
PS-WSWFr	Public supply, surface-water withdrawals, fresh, in Mgal/d
DO-SSPop	Domestic, self-supplied population, in thousands
DO-Wtotal	Domestic, total self-supplied withdrawals, in Mgal/d
DO-WGWFr	Domestic, groundwater self-supplied withdrawals, fresh, in Mgal/d
DO-WSWFr	Domestic, surface-water self-supplied withdrawals, fresh, in Mgal/d
DO-PSDel	Domestic, deliveries from public supplies, in Mgal/d
PT-Wtotal	Thermoelectric power, total withdrawals, in Mgal/d
PT-WGWFr	Thermoelectric power, groundwater withdrawals, fresh, in Mgal/d
PT-WSWFr	Thermoelectric power, surface-water withdrawals, fresh, in Mgal/d
IN-Wtotal	Industrial, total withdrawals, in Mgal/d
IN-WGWFr	Industrial, groundwater self-supplied withdrawals, fresh, in Mgal/d
IN-WSWFr	Industrial, surface-water self-supplied withdrawals, fresh, in Mgal/d
MI-Wtotal	Mining, total withdrawals, in Mgal/d
MI-WGWto	Mining, groundwater withdrawals, total (fresh and saline), in Mgal/d
MI-WSWFr	Mining, surface-water withdrawals, fresh, in Mgal/d
IT-Wtotal	Irrigation, all, total withdrawals, in Mgal/d
IT-WGWFr	Irrigation, all, groundwater withdrawals, fresh, in Mgal/d
IT-WSWFr	Irrigation, all, surface-water withdrawals, fresh, in Mgal/d
LA-Wtotal	Aquaculture, total withdrawals, in Mgal/d
LA-WGWFr	Aquaculture, groundwater withdrawals, fresh, in Mgal/d
LA-WSWFr	Aquaculture, surface-water withdrawals, fresh, in Mgal/d
LS-Wtotal	Livestock, total withdrawals, in Mgal/d
LS-WGWFr	Livestock, groundwater withdrawals, fresh, in Mgal/d
LS-WSWFr	Livestock, surface-water withdrawals, fresh, in Mgal/d