

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 1*B*: Estimates by State

Column tag	Data description
YEARH	Year of data
STATE	State postal abbreviation
HUC8Code	HUC code (8 digit)
HUC8Name	HUC name (8 digit)
AREA	Area of HUC (8 digit) in the state, in mi ²
AREA%	Area of HUC (8 digit) in the state relative to total area of HUC, in percent
TP-TotalPop	Total population of HUC (8 digit), in thousands
PS-TOPop	Public supply, total population served, in thousands
PS-WGWFr	Public supply, groundwater withdrawals, fresh, in Mgal/d
PS-WSWFr	Public supply, surface-water withdrawals, fresh, in Mgal/d
PS-PrCap	Public supply, per capita use (withdrawal), in gal/d
DO-SSPop	Domestic, self-supplied population, in thousands
DO-WGWFr	Domestic, groundwater self-supplied withdrawals, fresh, in Mgal/d
DO-WSWFr	Domestic, surface-water self-supplied withdrawals, fresh, in Mgal/d
DO-SSPCp	Domestic, per capita use (withdrawal), self-supplied, in gal/d
DO-PSDel	Domestic, deliveries from public supplies, in Mgal/d
PT-WGWFr	Thermoelectric power, groundwater withdrawals, fresh, in Mgal/d
PT-WSWFr	Thermoelectric power, surface-water withdrawals, fresh, in Mgal/d
PT-Power	Power generation, in GWh
PO-WGWFr	Thermoelectric power once-through, groundwater withdrawals, fresh, in Mgal/d
PO-WSWFr	Thermoelectric power once-through, surface-water withdrawals, fresh, in Mgal/d

Column and data descriptors for Appendix 1B: Estimates by State

Column tag	Data description
PO-Power	Power generation once-through, in GWh
PC-WGWFr	Thermoelectric power closed-loop, groundwater withdrawals, fresh, in Mgal/d
PC-WSWFr	Thermoelectric power closed-loop, surface-water withdrawals, fresh, in Mgal/d
PC-Power	Power generation closed-loop, in GWh
IN-WGWFr	Industrial, groundwater self-supplied withdrawals, fresh, in Mgal/d
IN-WSWFr	Industrial, surface-water self-supplied withdrawals, fresh, in Mgal/d
IN-RecWW	Industrial use, reclaimed wastewater, in Mgal/d
MI-GWFr	Mining, groundwater withdrawals, fresh, in Mgal/d
MI-GWSa	Mining, groundwater withdrawals, saline, in Mgal/d
MI-SWFr	Mining, surface-water withdrawals, fresh, in Mgal/d
MI-SWSa	Mining, surface-water withdrawals, saline, in Mgal/d
IG-WGWFr	Irrigation, golf course, groundwater withdrawals, fresh, in Mgal/d
IG-WSWFr	Irrigation, golf course, surface-water withdrawals, fresh, in Mgal/d
IT-WGWFr	Irrigation, all, groundwater withdrawals, fresh, in Mgal/d
IT-WSWFr	Irrigation, all, surface-water withdrawals, fresh, in Mgal/d
IT-IrSpr	Irrigation, all, acres irrigated, sprinkler, in thousands
IT-IRMic	Irrigation, all, acres irrigated, microirrigation, in thousands
IT-IrSur	Irrigation, all, acres irrigated, surface, in thousands
IT-RecWW	Irrigation use, reclaimed wastewater, in Mgal/d
LA-WGWFr	Aquaculture, groundwater withdrawals, fresh, in Mgal/d
LA-WSWFr	Aquaculture, surface-water withdrawals, fresh, in Mgal/d
LS-WGWFr	Livestock, groundwater withdrawals, fresh, in Mgal/d
LS-WSWFr	Livestock, surface-water withdrawals, fresh, in Mgal/d
CO-WGWFr	Commercial, groundwater withdrawals, fresh, in Mgal/d
CO-WSWFr	Commercial, surface-water withdrawals, fresh, in Mgal/d