

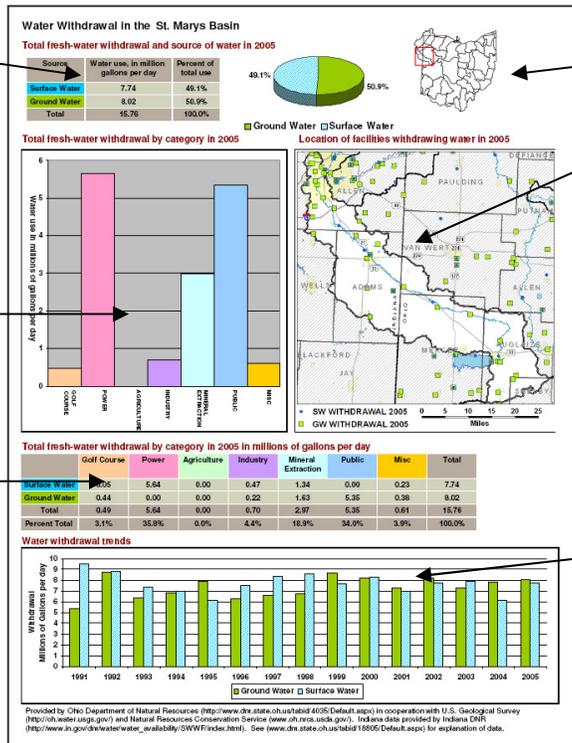
# Atlas of Reported\* Water Withdrawals for the Western Lake Erie Basin and State of Ohio Basins

This atlas presents 2005 water withdrawals for the western Lake Erie Basin and drainage basins within Ohio. Water withdrawal is the quantity of water that is withdrawn from a surface water (stream, lake, reservoir) or ground water (aquifer) source. Quantities are reported in millions of gallons per day.

## Key to Basin Withdrawal Pages

### Withdrawals by source

Amounts and percentages of water withdrawn by surface and ground water sources



### Location of basin

### Location of facilities withdrawing water

Map showing approximate locations of ground water and surface water withdrawals for the basin in 2005.

### Withdrawals by categories\*\*

Graph of water withdrawn by category of use: golf course, power, agriculture, industry, mineral extraction, public, miscellaneous

Table of water withdrawn by category (surface water, ground water, total withdrawal) and percentage of total withdrawal by category.

### Water withdrawal trends

Graph of withdrawals from ground water and surface water sources from 1991 to 2005

\*Data for the Ohio portion of the atlas comes from the Ohio Department of Natural Resources (ODNR) Water Withdrawal Facility Registration Program, which started in 1990. Section 1521.16 of the Ohio Revised Code requires any owner of a facility, or combination of facilities, with the capacity to withdraw water at a quantity greater than 100,000 gallons per day to register with the ODNR, Division of Water. Each year registrants report how much water was withdrawn at their facilities.

Data for the Indiana portion of the St. Joseph, Upper Maumee, Auglaize, and St Marys basin was provided by the Indiana Department of Natural Resources. Additional information about Indiana's Significant Water Withdrawal Facility data and program can be found at: [http://www.in.gov/dnr/water/water\\_availability/SWWF/index.html](http://www.in.gov/dnr/water/water_availability/SWWF/index.html).

Information regarding Michigan's water withdrawal reports, data, and graphics can be found at: [http://www.michigan.gov/deq/0,1607,7-135-3313\\_3677\\_3704-72931--,00.html](http://www.michigan.gov/deq/0,1607,7-135-3313_3677_3704-72931--,00.html).

\*\*Reported water withdrawals in each basin are grouped into one of seven categories: Public (community and non-community water supplies), Agriculture (livestock watering, irrigation, nursery and landscaping), Industrial (process and cooling water), Power Generation (nuclear, thermoelectric, hydroelectric), Mineral Extraction (coal, oil, limestone, sand and gravel), Golf Course (irrigation), and Miscellaneous (construction dewatering, amusement parks, fish hatcheries, etc).

The basins boundaries are from the Natural Resources Conservation Service and represent the 8-digit Hydrologic Unit Code.

This water withdrawal atlas was developed by the Ohio Department of Natural Resources (<http://www.dnr.state.oh.us/tabid/4035/Default.aspx>) in cooperation with the U.S. Geological Survey (<http://oh.water.usgs.gov/>) and the Natural Resources Conservation Service ([www.oh.nrcs.usda.gov/](http://www.oh.nrcs.usda.gov/)).