

ANNUAL REPORT

of the

GREAT LAKES REGIONAL WATER USE DATABASE REPOSITORY

REPRESENTING 2006 WATER USE DATA IN GALLONS

Prepared by

The Great Lakes Commission

October 7, 2009

ACKNOWLEDGEMENTS

The Great Lakes Commission wishes to thank each of the jurisdictional representatives listed on page eight for their work in collecting and transmitting the data for this report. The members' attention to detail and commitment to accuracy, and the collective familiarity with the subject matter, are all invaluable contributions to this project.

FOREWARD

The Great Lakes Regional Water Use Database was established by the Great Lakes states and provinces in response to the recommendation of the Great Lakes Charter of 1985 that calls for a uniform, consistent base of data of Great Lakes water withdrawals, diversions and consumptive uses. Beginning in 1987, water use data have been submitted to the repository on an annual basis and reports provided to assist the jurisdictions in Great Lakes-St. Lawrence River water resources planning and management. As specified by the Water Resources Management Committee in its 1987 report, *Managing the Waters of the Great Lakes Basin*, the database catalogs withdrawals by water use category, sub-basin and jurisdiction.

The database became operational in the summer of 1988 following a multi-year cooperative effort. Design and development involved input from many state, provincial, and federal agencies, with the U.S. Geological Survey providing much of the leadership.

The original customized program was developed in 1987 by Acres International on the MS/DOS platform using a modified version of DbaseIII. With the rapid advancement of computer hardware and software and the evolving needs of the Great Lakes state and provincial water resources management programs, that system soon became outdated. In July 1998, the Great Lakes Commission and Eastern Michigan University's Institute for Geospatial Research and Education (formerly the Center for Environmental Information Technology and Application) began work on a revised database which is used for this report. The system was developed using Visual Basic for Applications, based on Microsoft Access®, and contains all of the functions of the old system (including data entry, a data check facility and report generation), in addition to new features such as a flexible data interface and automatic data checking.

A Great Lakes Regional Water Use Database to provide comparable water use information on withdrawals, diversions and consumptive use is also called for under Article 4 of the Great Lakes—St. Lawrence River Basin Water Resources Compact and Article 301 of the Great Lakes—St. Lawrence River Basin Sustainable Water Resources Agreement approved by the states and provinces in 2008. Under the Compact and Agreement, the parties (states and provinces) are required to report water use information to the regional database repository and aggregated information will be made available to the public on an annual basis.

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I. GREAT LAKES BASIN OVERVIEW

Introduction

On an annual basis, the Great Lakes Commission - the repository for the Great Lakes – St. Lawrence River Water Use Database - sends an e-mail request for the pervious year’s water use data in the fall to states and provinces. All data are submitted to the repository in a Microsoft Excel or Access format then compiled into a single Microsoft Access database.

All data are in one of two unit measures—millions of U.S. gallons per day (mgd) or millions of liters per day (mld)—and values are initially set to zero. Numeric values are required for all categories of use. A value of zero indicates either zero water use (under All Facilities) or water use which does not meet the Great Lakes Charter trigger level (under Principal Facilities). Definitions and abbreviations of terms used in this report can be found on page 6.

The quality of data for each entry is rated as a 1, 2 or 3 indicating the level of accuracy as 1) measured 2) partially measured or 3) estimated; and a 1 or 2 indicating the level of aggregation as 1) originating from site-specific sources or 2) from higher level aggregate sources such as county or census databases. Both measures of quality are based on percentages of total volume.

For this report, self-supply--hydroelectric (water used in the generation of electricity at plants where turbine generators are driven by falling water) is treated as a withdrawal, even though all water for this purpose is considered to be returned to the basin. Under the 2009 draft water use information reporting protocols that will guide implementation of the new water use information commitments set forth in the Great Lakes-St. Lawrence River Water Resources Compact and Agreement, hydroelectric will *not* be considered a “withdrawal”, but rather a “use.” In future reports, it will be not aggregated as total withdrawals, but rather aggregated separately as a use. As the following chart illustrates, this is the largest single category of withdrawal and represents 95 percent of the total amount of water “withdrawn” in 2006.

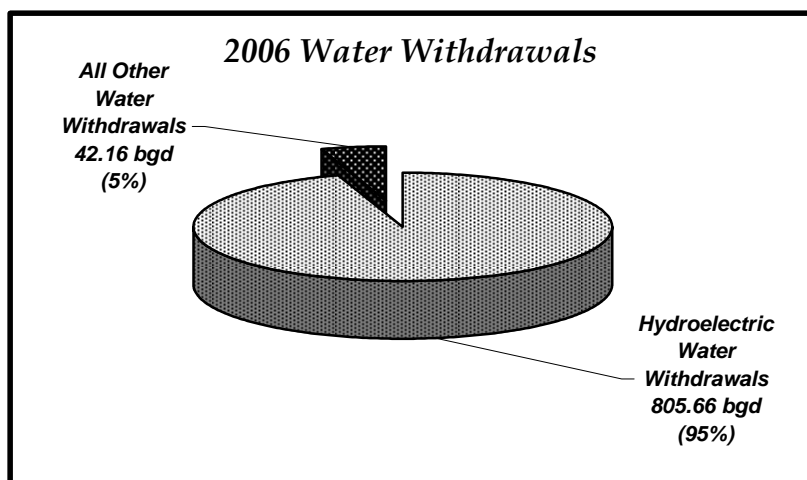


Figure 1

Each of the ten jurisdictions' water uses is represented in Figure 2 and Figure 3. Figure 2 includes self-supply – hydroelectric use. In total, water withdrawals for the year 2006 were approximately 847.82 billion gallons per day, or about 3,219.45 billion liters per day.

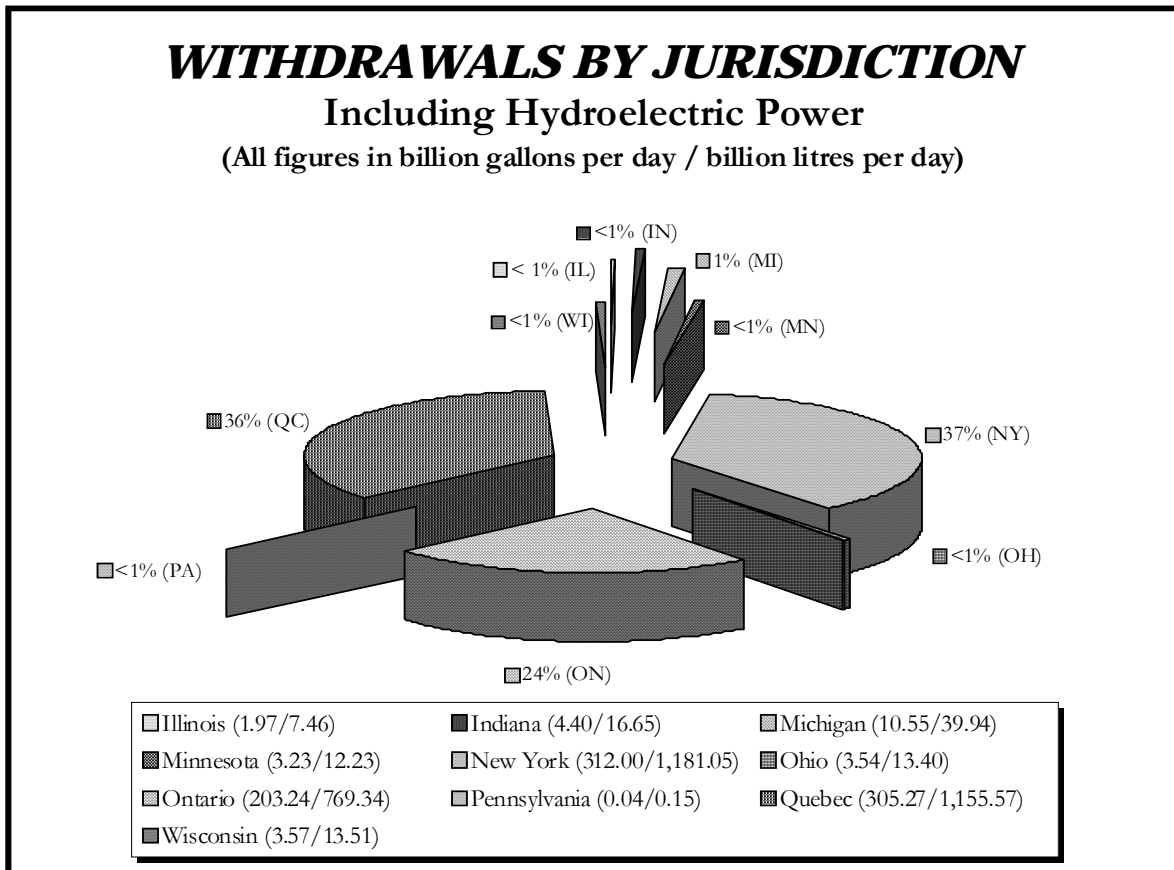


Figure 2

Figure 3 more accurately reflects the true water use within the basin, as it does not include self-supply – hydroelectric use. Water withdrawals for the eight remaining off-stream categories totaled 42.7 billion gallons per day, or 156 billion liters per day.

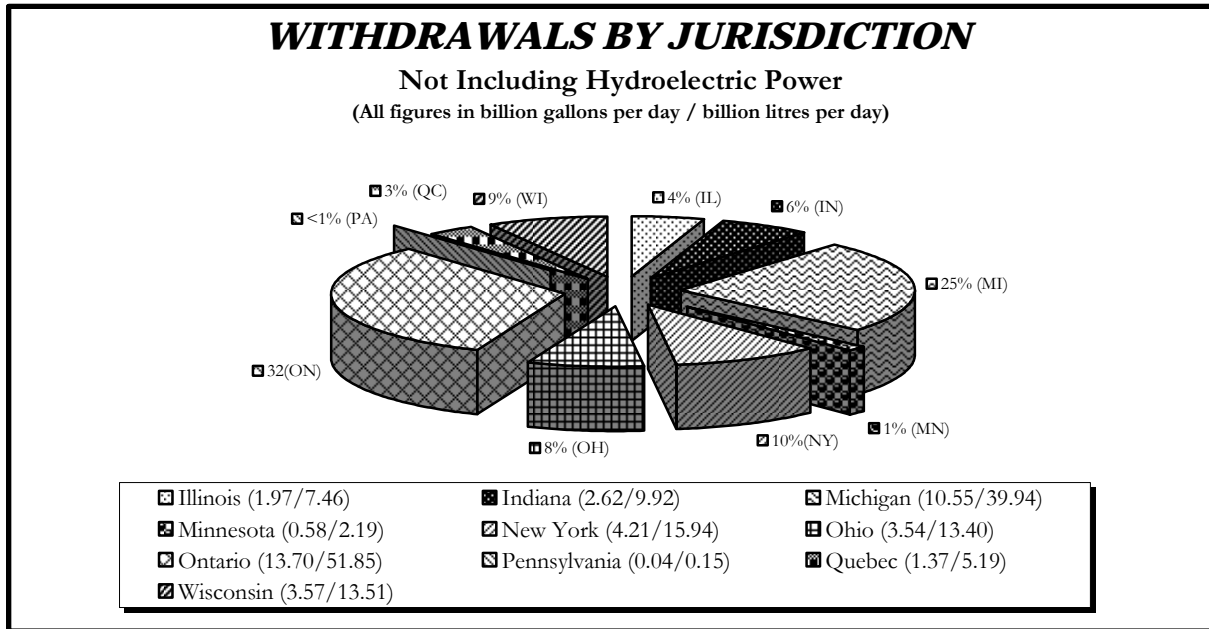


Figure 3

Pie charts showing individual jurisdictional water use, beginning with Illinois on page 14, are in million gallons per day and do not include hydroelectric use

Topics of Interest

Diversions

Two types of diversions are reported by the water use database: interbasin (transfers that take place between the Great Lakes basin and another watershed) and intrabasin (transfers that take place between one of the Great Lakes watersheds and another); both types can be either incoming or outgoing.

Of the two types, interbasin diversions (transfers that take place between the Great Lakes basin and another watershed) have traditionally been of greater interest to water supply managers and the public. Interbasin diversions shown in the tables as a positive number (e.g. **without** a minus sign) indicate water leaving the Great Lakes basin; interbasin diversions shown in the tables as a negative number (e.g. **with** a minus sign) indicate water entering the Great Lakes basin.

For a history of Great Lakes water diversions and removals, please see *Great Lakes Diversions and Other Removals* by Frank Quinn and Jeff Edstrom, **Canadian Water Resources Journal**, 2000, vol. 25, #2. Copies of this article can be obtained through the CWRJ website at www.cwra.org/publications, or by calling 519/622-4764.

Consumptive Use

Collecting and reporting accurate data for consumptive uses of Great Lakes water continues to be a major challenge for the Great Lakes jurisdictions. The states and provinces currently use a variety of methods to obtain consumptive use figures, including measurement and estimation at the facility level. However, the most common practice is to calculate consumptive use for each water use category by multiplying the withdrawn amount by an agreed-upon percentage (consumptive use coefficient). Figure 4 on the following page shows the consumptive use coefficients that were used for this report. For the resulting consumptive use quantities by jurisdiction, basin or water use category, please refer to the tables in chapters II through V. Total consumptive use in the basin for 2006 was calculated to be 1.83 bgd (6.93 bld).

For a more detailed overview, please see:

Annotated Bibliography of Consumptive Use in the Great Lakes Region and Basin
(www.glc.org/wateruse/wrmdss/finalreport/pdf/CU_biblio.pdf)

Measuring and Estimating Consumptive Use of Great Lakes Water
(www.glc.org/wateruse/wrmdss/finalreport/pdf/CU_briefing.pdf).

Consumptive Use Coefficients

<i>Water Use Category</i>	ILLINOIS	INDIANA	MICHIGAN	MINNESOTA	NEW YORK	OHIO	ONTARIO	PENNSYLVANIA	QUEBEC	WISCONSIN
Public Supply	10-15%	15%	10-15%	10-15%	10%	10-15%	15%	10%	10-15%	10-15%
Self-Supply Domestic	10-15%	15%	10-15%	10-15%	10%	10-15%	15%	10%	10-15%	10-15%
Self-Supply Irrigation	90%	90%	90%	90%	90%	90%	78%	90%	90%	70%
Self-Supply Livestock	80%	80%	80%	80%	90%	80%	80%	80%	80%	90%
Self-Supply Industrial	Varies by plant & SIC code	6%	10-15%	Varies by plant & SIC code	25%	10%; salt mining is 90%	Varies by plant & SIC code	Varies by plant & SIC code	10% for pulp & paper industry	10.2% for manufacturing & mining
Self-Supply Thermoelectric (Fossil Fuel)	Individually estimated based on the quantity of make-up water	2%	1-2% for plants using once-through cooling; individual analysis for wet cooling towers	2%	2%	Individually estimated based on the quantity of make-up water	.9% based on reports of increased local lake evaporation due to discharge of heated water to lakes	NA (Pennsylvania has no facilities in the basin)	10%; estimates obtained from USGS report	.5-1%
Self-Supply Thermoelectric (Nuclear)	Individually estimated based on the quantity of make-up water	NA (Indiana has no facilities in the basin)	1-2% for plants using once-through cooling; individual analysis for wet cooling towers	NA (Minnesota has no facilities in the basin)	5%	14% based on reports of increased local lake evaporation due to discharge of heated water to lakes	.9% based on reports of increased local lake evaporation due to discharge of heated water to lakes	NA (Pennsylvania has no facilities in the basin)	NA (Quebec has no facilities in the basin)	.5-1%
Hydroelectric	Coefficient for all states and provinces is 0%									
Self-Supply Other	0%	12%	Varies based on use	Varies based on use	Varies based on use	Varies based on use	Varies based on use	Varies based on use	Varies based on use	Varies based on use

Figure 4

Definitions and Abbreviations

General Definitions and Abbreviations

- < **bgd**: billion gallons per day
- < **bld**: billion liters per day
- < **consumptive use**: that portion of water withdrawn or withheld from the Great Lakes basin and assumed to be lost or otherwise not returned to the Great Lakes basin due to evapotranspiration, incorporation into products, or other processes
- < **Great Lakes surface water (GLSW)**: the Great Lakes, their connecting channels (the St. Clair River, the Detroit River, the Niagara River and the St. Marys River), and the St. Lawrence River
- < **groundwater (GW)**: all subsurface water
- < **interbasin diversion (positive)**: water transferred from the Great Lakes basin into another watershed
- < **interbasin diversion (negative)**: water transferred from another watershed into the Great Lakes basin
- < **intrabasin diversion (positive)**: water transferred out of one Great Lakes watershed into another
- < **intrabasin diversion (negative)**: water transferred into one Great Lakes watershed from another
- < **level of accuracy**: the quality of data based on percentage of total volume and rated as 1) measured; 2) partially measured or: 3) estimated,
- < **level of aggregation**: the quality of data based on percentage of total volume and rated as 1) originating from site-specific sources or 2) originating from higher level aggregate sources, such as county or census databases
- < **mgd**: million gallons per day
- < **mld**: million liters per day
- < **other surface water (OSW)**: tributary streams, lakes, ponds, and reservoirs within the Great Lakes basin
- < **principal facility**: facilities withdrawing in excess of the Great Lakes Charter uniform trigger level of 100,000 U.S. gallons/day (380,000 liters/day) average over a 30-day period. A principal facility is determined by the total withdrawal (or consumption) of all sources combined (Great Lakes surface water, other surface water, and groundwater) rather than a single source. The combined withdrawals (or consumption) of separate wells or operations undertaken by the same facility or company will be evaluated separately for the purpose of determining principal facility status unless those operations are covered under the same registration (or permit) or are physically contiguous. Principal facilities are a subset of all facilities in the database.
- < **tgd**: trillion gallons per day
- < **tld**: trillion liters per day
- < **withdrawal amount**: water removed or taken from surface or groundwater (including hydroelectric use¹)

¹ Under the draft water use information reporting protocols that will guide the implementation of the new water use information commitments set forth in the Great Lakes-St. Lawrence River Water Resources Compact and Agreement, hydroelectric will not be considered a “withdrawal”, but rather a “use.”

Water Use Category Definitions²

1. **Public Water Supply:** Water withdrawn for all uses by public and private water suppliers and delivered to users that do not supply their own water. (Water suppliers provide water for a variety of uses such as residential, commercial, industrial, and public water use.)
2. **Self-Supply Domestic: (residential, commercial, institutional):** Water used for normal household purposes. Also referred to as residential water use, this category includes water used for drinking, food preparation, bathing, washing clothes and dishes, flushing toilets, and watering lawns. Commercial uses include water used by motels, hotels, restaurants, office buildings and institutions, both civilian and military. This category also includes water for mobile homes, hospitals, schools, fire fighting, air conditioning and other similar uses not covered under a public supply. In addition, this category includes amusement and recreational water uses such as snowmaking and water slides. The coefficient for domestic per capita water use is 75 gallons a day (U.S.) unless otherwise indicated by the reporting state or province.
3. **Self-Supply Irrigation:** Water artificially applied on lands to assist in the growing of crops and pastures or in the maintenance of recreational lands, such as parks and golf courses.
4. **Self-Supply Livestock:** Water used by horses, cattle, sheep, goats, hogs, poultry, and other commercially important animals. Water used in fish hatchery operations are also included under this category.
5. **Self-Supply Industrial (manufacturing and mining):** Industrial water includes water used in the manufacture of metals, chemicals, paper, and allied products. Mining water use includes water used in the extraction or washing of minerals; for example solids, such as coal and ores, and liquids such as crude petroleum and natural gas. Water used in quarrying and milling is also included in the industrial category. Brine extraction from oil and gas operations is not included. Withdrawals and consumptive uses for industrial and mining purposes (including dewatering operations) recorded under another category (e.g., public supply) will not be recorded here. Water used in a closed cycle (recirculation) will not be reported as a withdrawal. Other situations should be evaluated on a case-by-case basis.
6. **Self-Supply Thermoelectric Power (fossil fuel plants):** Water used by plants fueled by fossil fuels such as coal, oil or natural gas. Withdrawals and consumptive uses already recorded under another category (e.g., public supply) will not be reported here.
7. **Self-Supply Thermoelectric Power (nuclear plants):** Water used by plants fueled by nuclear generation. Withdrawals and consumptive uses already recorded under another category (e.g., public supply) will not be reported here.
8. **Self-Supply Hydroelectric Power:** Water used to drive turbines that generate electric power. This category includes both Ainstream use@ where water is used on a once-through basis and Aoffstream use@ where water is recycled through pumped-storage systems. Neither use is considered a consumptive use.
9. **Self-Supply - Other:** Water used for purposes not reported in categories one through nine. Examples include, but are not limited to, withdrawals for fish/wildlife, environmental, recreation, navigation, and water quality purposes. Specifically, water used to maintain levels for navigation, for recreation, for fish and wildlife habitat creation and enhancement (excluding fish hatchery operations included under Category 5), for flow augmentation (or diversion), for sanitation, pollution confinement, and other water quality purposes and agricultural activities (services) other than those directly related to irrigation such as field drainage are included. Water used in temporary or immediate emergency situations (e.g., fighting forest or peat fires) is also reported here.

² These definitions are used to implement the water use information commitments set forth in the Great Lakes Charter of 1985. Slight modifications to these water use category definitions will occur to implement the new water use information commitments set forth in the Great Lakes-St. Lawrence River Water Resources Compact and Agreement. These modifications will be realized when the regional database is updated in the near future.

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II. GREAT LAKES BASIN SUMMARY TABLES

Water Use by Jurisdiction
Water Use by Basin
Water Use by Category

SUMMARY REPORT - GREAT LAKES BASIN

Units: Bgal(US)/d

Year Of Data: 2006

Water-Use by Jurisdiction - All Facilities

Jurisdiction	Withdrawals			TOTAL	Diversions		Consumptive Use
	GLSW	OSW	GW		Intrabasin	Interbasin	
Illinois	1.98	0.00	0.00	1.98	0.00	1.21	0.00
Indiana	2.43	1.85	0.13	4.40	0.00	0.00	0.17
Michigan	8.51	1.46	0.58	10.55	0.00	0.00	0.55
Minnesota	0.38	2.85	0.01	3.23	0.00	0.00	0.05
New York	131.49	180.38	0.13	312.00	0.00	0.04	0.30
Ohio	2.31	1.06	0.17	3.54	0.00	-0.01	0.19
Ontario	143.00	59.96	0.28	203.24	0.06	-4.01	0.28
Pennsylvania	0.03	0.00	0.00	0.04	0.00	0.00	0.00
Quebec	171.59	133.58	0.10	305.27	0.00	0.00	0.16
Wisconsin	3.36	0.02	0.19	3.57	0.00	0.00	0.15
Total:	465.08	381.16	1.58	847.82	0.06	-2.75	1.,)

Water-Use by Jurisdiction - Principal Facilities

Jurisdiction	Withdrawals			TOTAL	Diversions		Consumptive Use
	GLSW	OSW	GW		Intrabasin	Interbasin	
Illinois	1.98	0.00	0.00	1.98	0.00	1.21	0.00
Indiana	2.43	1.84	0.09	4.37	0.00	0.00	0.16
Michigan							
Minnesota	0.38	2.85	0.01	3.23	0.00	0.00	0.04
New York	131.07	0.47	0.01	131.56	0.00	0.04	0.18
Ohio	2.31	1.06	0.09	3.46	0.00	-0.01	0.16
Ontario	0.49	0.38	0.09	0.96	0.06	0.00	0.11
Pennsylvania	0.03	0.00	0.00	0.04	0.00	0.00	0.00
Quebec	171.59	133.58	0.05	305.21	0.00	0.00	0.13
Wisconsin							
Total:	310.28	140.18	0.34	450.80	0.06	1.25	0.80

SUMMARY REPORT - GREAT LAKES BASIN

Units: Bgal(US)/d

Year Of Data: 2006

Water-Use by Basin - All Facilities

Basin	Withdrawals			TOTAL	Diversions		Consumptive Use
	GLSW	OSW	GW		Intrabasin	Interbasin	
Lake Superior	1.19	41.02	0.03	42.24	0.00	-4.01	0.08
Lake Michigan	10.99	2.52	0.70	14.21	0.00	1.21	0.63
Lake Huron	25.22	14.31	0.12	39.64	0.05	0.00	0.13
Lake Erie	56.02	1.38	0.41	57.81	5.82	0.00	0.48
Lake Ontario	42.71	89.45	0.19	132.35	-5.80	0.04	0.34
St. Lawrence River	328.95	232.49	0.14	561.57	0.00	0.00	0.19
Total:	465.08	381.16	1.58	847.82	0.06	-2.75	1., (

Water-Use by Basin - Principal Facilities

Basin	Withdrawals			TOTAL	Diversions		Consumptive Use
	GLSW	OSW	GW		Intrabasin	Interbasin	
Lake Superior	0.41	2.86	0.01	3.28	0.00	0.00	0.05
Lake Michigan	4.41	1.81	0.08	6.29	0.00	1.21	0.16
Lake Huron	0.04	0.07	0.02	0.13	0.05	0.00	0.01
Lake Erie	50.52	1.12	0.16	51.81	5.82	-0.01	0.25
Lake Ontario	2.28	0.65	0.02	2.95	-5.80	0.04	0.19
St. Lawrence River	252.63	133.67	0.05	386.35	0.00	0.00	0.15
Total:	310.28	140.18	0.34	450.80	0.06	1.25	0.80

SUMMARY REPORT - GREAT LAKES BASIN

Units: Bgal(US)/d

Year Of Data: 2006

Water-Use by Category - All Facilities

Category	Withdrawals			TOTAL	Diversions		Consumptive Use
	GLSW	OSW	GW		Intrabasin	Interbasin	
Public Supply	4.05	1.13	0.55	5.73	0.00	1.00	0.57
Domestic Supply	0.06	0.05	0.37	0.49	0.00	0.01	0.05
Irrigation	0.01	0.14	0.27	0.42	0.00	0.00	0.32
Livestock	0.01	0.01	0.11	0.14	0.00	0.00	0.09
Industrial	3.66	0.63	0.23	4.52	0.00	0.00	0.39
Fossil Fuel Power	12.78	2.43	0.05	15.26	0.00	0.00	0.17
Nuclear Power	15.13	0.00	0.00	15.13	0.00	0.00	0.22
Hydroelectric Power	429.15	376.51	0.00	805.66	0.00	-4.01	0.00
Other	0.22	0.24	0.00	0.47	0.06	0.24	0.03
Total:	465.08	381.16	1.58	847.82	0.06	-2.75	1.84

Water-Use by Category - Principal Facilities

Category	Withdrawals			TOTAL	Diversions		Consumptive Use
	GLSW	OSW	GW		Intrabasin	Interbasin	
Public Supply	2.64	0.81	0.18	3.64	0.00	1.00	0.34
Domestic Supply	0.03	0.05	0.06	0.13	0.00	0.00	0.01
Irrigation	0.00	0.02	0.02	0.04	0.00	0.00	0.03
Livestock	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Industrial	2.22	0.42	0.08	2.72	0.00	0.00	0.24
Fossil Fuel Power	4.45	1.28	0.00	5.73	0.00	0.00	0.08
Nuclear Power	1.58	0.00	0.00	1.58	0.00	0.00	0.09
Hydroelectric Power	299.14	137.38	0.00	436.52	0.00	0.00	0.00
Other	0.22	0.21	0.00	0.44	0.06	0.24	0.00
Total:	310.28	140.18	0.34	450.80	0.06	1.25	0.80

III. JURISDICTION TABLES AND ANALYSES

Each jurisdictional summary includes a water use analysis and three tables:

Withdrawals, Diversions and Consumptive Uses

Withdrawals by Source

Jurisdiction Totals

Illinois
Indiana
Michigan
Minnesota
New York
Ohio
Ontario
Pennsylvania
Quebec
Wisconsin

Illinois

Data Sources: Water use data for Illinois were provided by the Department of Natural Resources--Office of Water Resources, and the Illinois State Water Survey. Please contact James Casey at 312/793-5947 or jcasey@illinois.gov with specific questions regarding Illinois' data.

Withdrawals: Illinois' water withdrawals from Lake Michigan in 2006 totaled 1,975.73 mgd – nearly a 9 percent decrease in water usage from 2005 (2,166.1 mgd).

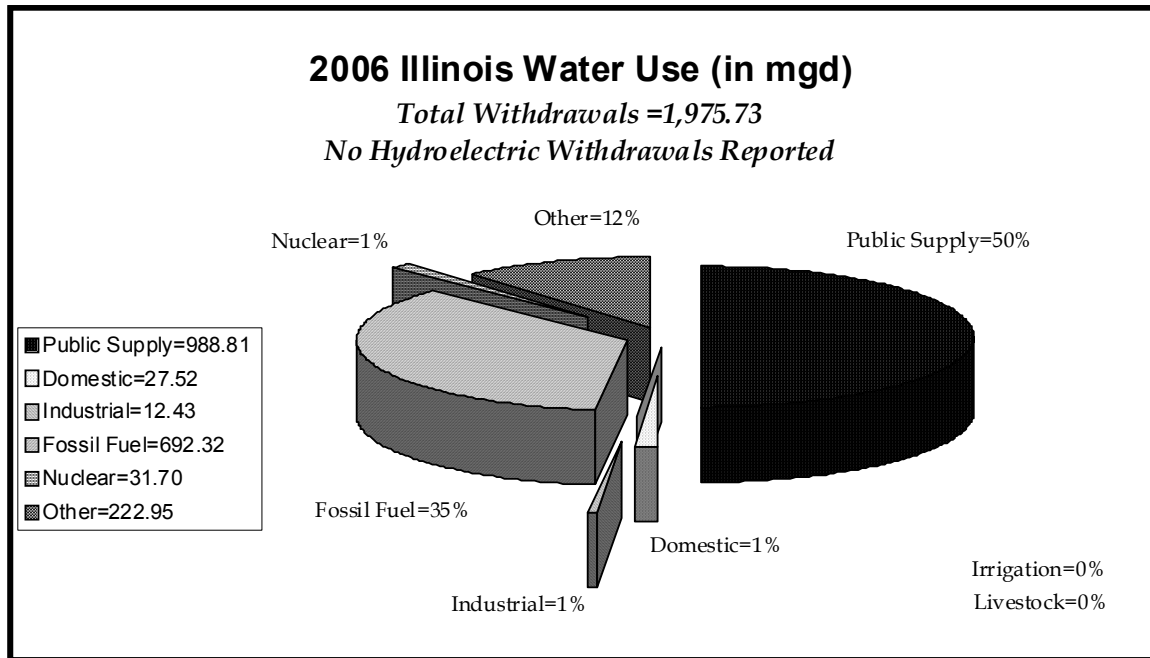


Figure 5

Consumptive Use: No consumptive use information was reported.

Interbasin Diversions: Total diversions from the Lake Michigan basin in 2006 were 1,214.27 mgd, a decrease of nearly 9 percent from the 2005 figure (1332.46 mgd). Public water supply accounted for about 81 percent of these diversions. All diversions for Illinois are outgoing interbasin diversions—water transferred from the Chicago River in the Great Lakes basin to the Illinois River in the Mississippi River basin.

Data Quality: Illinois's withdrawal data for this report were 100 percent measured; the level of aggregation was 100 percent site-specific.

JURISDICTION REPORT- Illinois

Withdrawals, Diversions Units: Mgal(US)/d
and Consumptive Uses Year Of Data: 2006

Basin	Category	All Facilities			Principal Facilities		
		Withdr.	Inter-Basin Diver.	Consum.	Withdr.	Inter-Basin Diver.	Consum.
Lake Michigan							
	Public Supply	988.81	988.81	0.00	988.81	988.81	0.00
	Domestic Supply	27.52	2.50	0.00	27.52	2.50	0.00
	Irrigation		0.00		0.00	0.00	
	Livestock		0.00		0.00	0.00	
	Industrial	12.43	0.01	0.00	12.43	0.01	0.00
	Fossil Fuel Power	692.32	0.00	0.00	692.32	0.00	0.00
	Nuclear Power	31.70	0.00	0.00	31.70	0.00	0.00
	Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00
	Other	222.95	222.95	0.00	222.95	222.95	0.00
	Total:	1975.73	1214.27	0.00	1975.73	1214.27	0.00
Grand Total:		1975.73	1214.27	0.00	1975.73	1214.27	0.00

JURISDICTION REPORT- Illinois

Withdrawals by Source

Units: Mgal(US)/d

Year Of Data: 2006

Basin	Category	All Facilities			Principal Facilities		
		GLSW	OSW	GW	GLSW	OSW	GW
Lake Michigan							
	Public Supply	988.81	0.00	0.00	988.81	0.00	0.00
	Domestic Supply	27.51	0.00	0.01	27.51	0.00	0.01
	Irrigation				0.00	0.00	0.00
	Livestock				0.00	0.00	0.00
	Industrial	12.43	0.00	0.00	12.43	0.00	0.00
	Fossil Fuel Power	692.32	0.00	0.00	692.32	0.00	0.00
	Nuclear Power	31.70	0.00	0.00	31.70	0.00	0.00
	Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00
	Other	222.95	0.00	0.00	222.95	0.00	0.00
	Total:	1975.71	0.00	0.01	1975.71	0.00	0.01
Grand Total:		1975.71	0.00	0.01	1975.71	0.00	0.01

JURISDICTION REPORT- Illinois

Jurisdiction Totals

Units: Mgal(US)/d

Year Of Data: 2006

Total Report - All Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	988.81	0.00	0.00	988.81	0.00	988.81	0.00
Domestic Supply	27.51	0.00	0.01	27.52	0.00	2.50	0.00
Irrigation					0.00	0.00	
Livestock					0.00	0.00	
Industrial	12.43	0.00	0.00	12.43	0.00	0.01	0.00
Fossil Fuel Power	692.32	0.00	0.00	692.32	0.00	0.00	0.00
Nuclear Power	31.70	0.00	0.00	31.70	0.00	0.00	0.00
Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	222.95	0.00	0.00	222.95	0.00	222.95	0.00

Total Report - Principal Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	988.81	0.00	0.00	988.81	0.00	988.81	0.00
Domestic Supply	27.51	0.00	0.01	27.52	0.00	2.50	0.00
Irrigation	0.00	0.00	0.00	0.00	0.00	0.00	
Livestock	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial	12.43	0.00	0.00	12.43	0.00	0.01	0.00
Fossil Fuel Power	692.32	0.00	0.00	692.32	0.00	0.00	0.00
Nuclear Power	31.70	0.00	0.00	31.70	0.00	0.00	0.00
Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	222.95	0.00	0.00	222.95	0.00	222.95	0.00

Indiana

Data Sources: The Indiana Department of Natural Resources—Division of Water compiled the 2006 water use data for the Indiana Lake Erie and Lake Michigan basins.

The Indiana Business Research Center at Indiana University provided population estimates for counties used in calculating self-supply domestic withdrawals. The Indiana Agricultural Statistics service at Purdue University provided livestock estimates by county. The local office of USGS Water Resources Division provided estimates of percent of population by county on domestic wells. Hydroelectric water use data are from the Department of Energy’s Energy Information Administration website located at www.eia.doe.gov/cneaf/electricity. Please contact Ralph Spaeth at 317/234-1101 or rspaeth@dnr.in.gov with questions regarding Indiana’s data.

Withdrawals: In 2006, total use was 4,401.46 mgd, an increase of nearly 2 percent from the 2005 figure of 4,324.71 mgd. Of this amount, 98.7 percent of the water used was from the Lake Michigan basin. The total withdrawal excludes hydroelectric power from Lake Michigan which accounted for 1,782.89 mgd. The primary use of Lake Michigan water was industrial, at 1,658.80 mgd, or 65 percent. The primary use of Lake Erie water was public supply, at 40.61 mgd, or almost 70 percent.

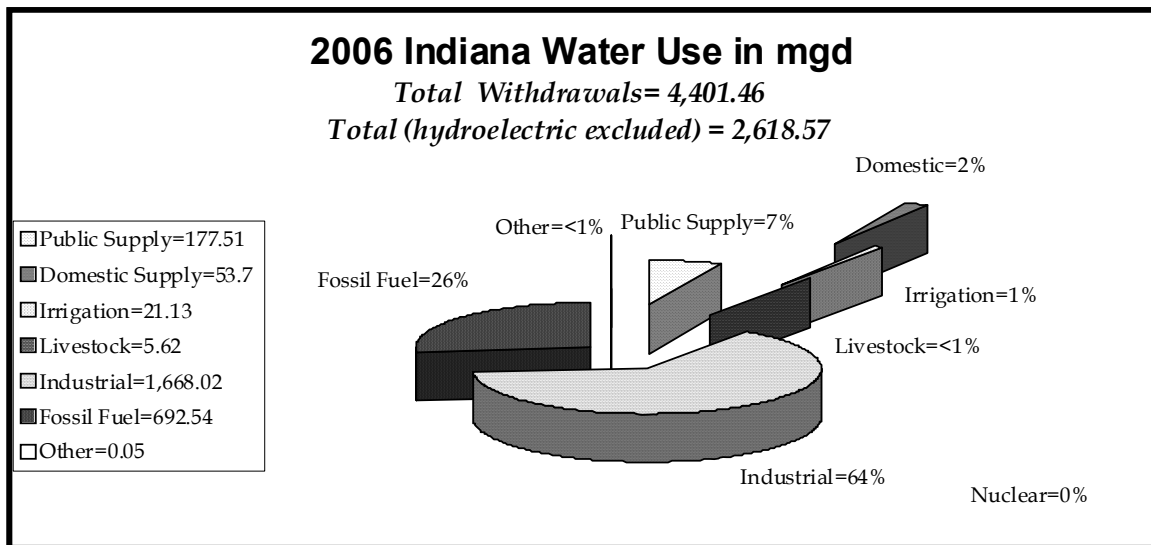


Figure 6

Consumptive Use: The total consumptive use of water in Indiana’s portion of the Great Lakes basin was 164.17 mgd, compared to 179.00 mgd in 2005. In the Lake Michigan basin, industrial water use category was the largest consumptive use, at 63 percent (99.49 mgd of a total of 156.75 mgd) and in the Lake Erie basin public supply was the largest consumptive use, at 72 percent (6.07 mgd of a total of 7.42 mgd).

Interbasin Diversions: A diversion by the city of Valparaiso withdrew 2.72 mgd groundwater for public supply from the Kankakee River basin which is discharged as treated sewage into Salt Creek which is in the Lake Michigan basin. A diversion from the Lake Erie Basin for public supply uses is 6.26 mgd.

Data Quality: Indiana’s withdrawal data for this report were 4 percent measured, 54 percent partially measured, and 42 percent calculated or estimated; the level of aggregation was 99 percent site-specific and 1 percent aggregated.

JURISDICTION REPORT- Indiana

Withdrawals, Diversions and Consumptive Uses Units: Mgal(US)/d
Year Of Data: 2006

Basin	Category	All Facilities			Principal Facilities		
		Withdr.	Inter-Basin Diver.	Consum.	Withdr.	Inter-Basin Diver.	Consum.
Lake Michigan							
	Public Supply	136.90	-2.72	20.53	136.49	0.00	20.47
	Domestic Supply	47.33	0.00	7.10	24.87	0.00	3.74
	Irrigation	20.08	0.00	18.07	19.05	0.00	17.15
	Livestock	4.67	0.00	3.74	2.56	0.00	2.05
	Industrial	1658.80	0.00	99.53	1658.19	0.00	99.49
	Fossil Fuel Power	692.27	0.00	13.85	692.27	0.00	13.85
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	1782.89	0.00	0.00	1782.89	0.00	0.00
	Other	0.05	0.00	0.01	0.00	0.00	0.00
	Total:	4342.99	-2.72	162.83	4316.32	0.00	156.75
Lake Erie							
	Public Supply	40.61	6.26	6.09	40.43	0.00	6.07
	Domestic Supply	6.37	0.00	0.96	0.39	0.00	0.06
	Irrigation	1.05	0.00	0.95	0.82	0.00	0.73
	Livestock	0.95	0.00	0.76	0.00	0.00	0.00
	Industrial	9.22	0.00	0.56	9.05	0.00	0.55
	Fossil Fuel Power	0.27	0.00	0.01	0.27	0.00	0.01
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00
	Other	0.00	0.00	0.00	0.00	0.00	0.00
	Total:	58.47	6.26	9.33	50.96	0.00	7.42
Grand Total:		4401.46	3.54	172.16	4367.28	0.00	164.17

JURISDICTION REPORT- Indiana

Withdrawals by Source
Units: Mgal(US)/d
Year Of Data: 2006

Basin	Category	All Facilities			Principal Facilities		
		GLSW	OSW	GW	GLSW	OSW	GW
Lake Michigan							
	Public Supply	89.62	0.00	47.28	89.62	0.00	46.87
	Domestic Supply	0.00	17.78	29.55	0.00	17.77	7.10
	Irrigation	0.00	4.08	16.00	0.00	3.69	15.36
	Livestock	0.00	1.25	3.42	0.00	1.25	1.31
	Industrial	1648.11	3.90	6.79	1648.07	3.87	6.25
	Fossil Fuel Power	692.27	0.00	0.00	692.27	0.00	0.00
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	0.00	1782.89	0.00	0.00	1782.89	0.00
	Other	0.00	0.00	0.05	0.00	0.00	0.00
	Total:	2430.00	1809.90	103.09	2429.96	1809.47	76.89
Lake Erie							
	Public Supply	0.00	31.32	9.29	0.00	31.32	9.11
	Domestic Supply	0.00	0.00	6.37	0.00	0.00	0.39
	Irrigation	0.00	0.28	0.77	0.00	0.16	0.66
	Livestock	0.00	0.00	0.95	0.00	0.00	0.00
	Industrial	0.00	3.61	5.61	0.00	3.61	5.44
	Fossil Fuel Power	0.00	0.00	0.27	0.00	0.00	0.27
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00
	Other	0.00	0.00	0.00	0.00	0.00	0.00
	Total:	0.00	35.21	23.26	0.00	35.09	15.87
Grand Total:		2430.00	1845.11	126.35	2429.96	1844.56	92.76

JURISDICTION REPORT- Indiana

Jurisdiction Totals

Units: Mgal(US)/d

Year Of Data: 2006

Total Report - All Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	89.62	31.32	56.57	177.51	0.00	3.54	26.62
Domestic Supply	0.00	17.78	35.92	53.70	0.00	0.00	8.06
Irrigation	0.00	4.36	16.77	21.13	0.00	0.00	19.02
Livestock	0.00	1.25	4.37	5.62	0.00	0.00	4.50
Industrial	1648.11	7.51	12.40	1668.02	0.00	0.00	100.09
Fossil Fuel Power	692.27	0.00	0.27	692.54	0.00	0.00	13.86
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydroelectric Power	0.00	1782.89	0.00	1782.89	0.00	0.00	0.00
Other	0.00	0.00	0.05	0.05	0.00	0.00	0.01

Total Report - Principal Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	89.62	31.32	55.98	176.92	0.00	0.00	26.54
Domestic Supply	0.00	17.77	7.49	25.26	0.00	0.00	3.80
Irrigation	0.00	3.85	16.02	19.87	0.00	0.00	17.88
Livestock	0.00	1.25	1.31	2.56	0.00	0.00	2.05
Industrial	1648.07	7.48	11.69	1667.24	0.00	0.00	100.04
Fossil Fuel Power	692.27	0.00	0.27	692.54	0.00	0.00	13.86
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydroelectric Power	0.00	1782.89	0.00	1782.89	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Michigan

Data Sources: The Michigan Department of Environmental Quality (DEQ) submitted water use data for 2006. All data are directly reported to the Michigan DEQ by the facilities within each category except irrigation, which is estimated and divided into agricultural and nonagricultural irrigation. Agricultural irrigation uses (golf course, park, etc.) is estimated using federal Agricultural Census data and a water use estimation model developed for Michigan. Nonagricultural irrigation facilities report directly to the DEQ. Please contact Andrew LeBaron at 517/241-1435 or lebarona@michigan.gov with questions regarding Michigan’s water use data.

Withdrawals: Water withdrawals for the Lake Superior, Lake Michigan, Lake Huron, and Lake Erie basins of Michigan were approximately 10,549.87 mgd, a decrease of between 1.4 percent from 2004 (10,700.06 mgd). Of the four basins, the state of Michigan withdraws the most about 46.6 percent from Lake Erie (5,150.06 mgd) and the least—about 3 percent from Lake Superior (294.65 mgd). Thermoelectric power-fossil fuel, at 60 percent, was the largest withdrawal category for the state of Michigan.

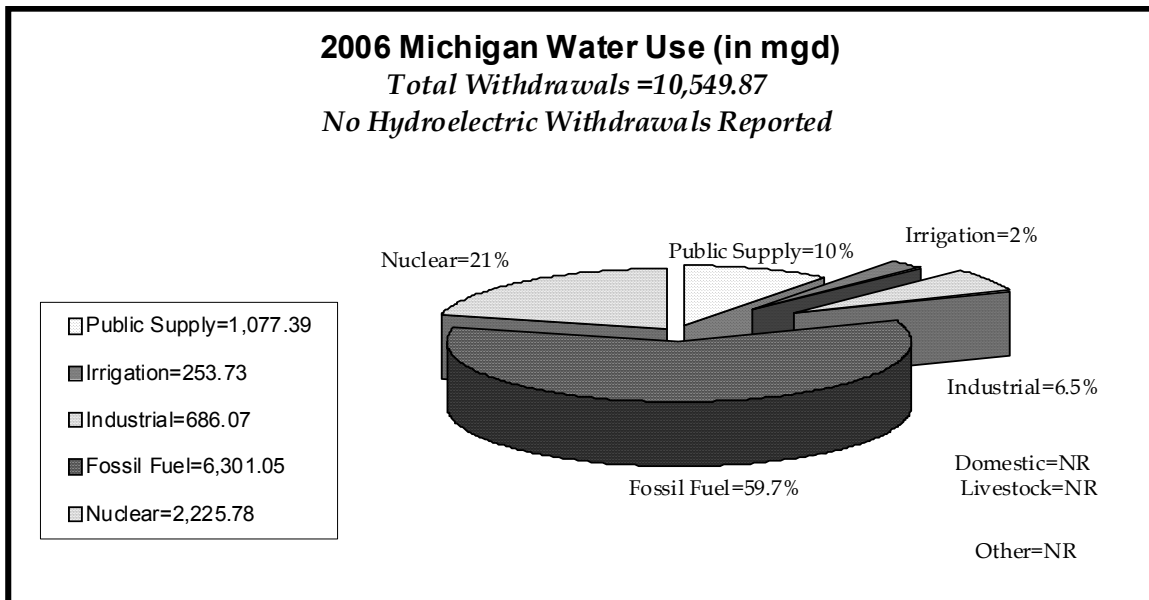


Figure 7

Consumptive Use: Consumptive uses in the Michigan portion of the Great Lakes basin were calculated to be approximately 549.97 mgd; irrigation was the largest single consumptive use at 228.36 mgd, or about 42 percent of the total consumptive use.

Interbasin Diversions: None reported.

Data Quality: Michigan’s withdrawal data for this report were 91 percent partially measured, 2 percent calculated or estimated; the level of aggregation was 98 percent site-specific and 2 percent aggregated.

JURISDICTION REPORT- Michigan

Withdrawals, Diversions and Consumptive Uses Units: Mgal(US)/d
Year Of Data: 2006

Basin	Category	All Facilities			Principal Facilities		
		Withdr.	Inter-Basin Diver.	Consum.	Withdr.	Inter-Basin Diver.	Consum.
Lake Superior							
	Public Supply	11.61	0.00	1.45			
	Domestic Supply		0.00				
	Irrigation	0.35	0.00	0.32			
	Livestock		0.00				
	Industrial	12.58	0.00	1.26			
	Fossil Fuel Power	270.10	0.00	3.24			
	Nuclear Power		0.00				
	Hydroelectric Power		0.00				
	Other		0.00				
	Total:	294.65	0.00	6.27			

Lake Michigan							
	Public Supply	302.91	0.00	37.86			
	Domestic Supply	3.29	0.00	0.41			
	Irrigation	203.88	0.00	183.49			
	Livestock		0.00				
	Industrial	511.29	0.00	51.13			
	Fossil Fuel Power	1168.83	0.00	14.03			
	Nuclear Power	2176.72	0.00	41.36			
	Hydroelectric Power		0.00				
	Other	2.24	0.00	0.00			
	Total:	4369.17	0.00	328.28			

Lake Huron							
	Public Supply	125.43	0.00	15.68			
	Domestic Supply	0.01	0.00	0.00			
	Irrigation	27.47	0.00	24.72			
	Livestock		0.00				
	Industrial	77.94	0.00	7.79			
	Fossil Fuel Power	741.15	0.00	8.89			
	Nuclear Power		0.00				
	Hydroelectric Power		0.00				
	Other	0.15	0.00	0.00			
	Total:	972.15	0.00	57.09			

Basin	Category	All Facilities			Principal Facilities		
		Withdr.	Inter-Basin Diver.	Consum.	Withdr.	Inter-Basin Diver.	Consum.
Lake Erie							
	Public Supply	637.44	0.00	79.68			
	Domestic Supply	0.17	0.00	0.02			
	Irrigation	22.03	0.00	19.83			
	Livestock		0.00				
	Industrial	84.25	0.00	8.43			
	Fossil Fuel Power	4120.96	0.00	49.45			
	Nuclear Power	49.06	0.00	0.93			
	Hydroelectric Power		0.00				
	Other		0.00				
	Total:	4913.91	0.00	158.34			
Grand Total:		10549.87	0.00	549.97			

JURISDICTION REPORT- Michigan

Withdrawals by Source

Units: Mgal(US)/d

Year Of Data: 2006

Basin	Category	All Facilities			Principal Facilities		
		GLSW	OSW	GW	GLSW	OSW	GW
Lake Superior							
	Public Supply	3.86	0.00	7.75			
	Domestic Supply						
	Irrigation	0.00	0.11	0.24			
	Livestock						
	Industrial	12.44	0.00	0.14			
	Fossil Fuel Power	270.10	0.00	0.00			
	Nuclear Power						
	Hydroelectric Power						
	Other						
	Total:	286.41	0.11	8.13			
Lake Michigan							
	Public Supply	136.88	0.47	165.56			
	Domestic Supply	0.00	1.26	2.03			
	Irrigation	1.99	62.51	139.38			
	Livestock						
	Industrial	297.89	148.60	64.80			
	Fossil Fuel Power	651.94	471.44	45.45			
	Nuclear Power	2176.72	0.00	0.00			
	Hydroelectric Power						
	Other	0.00	0.00	2.24			
	Total:	3265.42	684.28	419.46			
Lake Huron							
	Public Supply	94.34	0.67	30.42			
	Domestic Supply	0.00	0.00	0.01			
	Irrigation	3.35	9.37	14.75			
	Livestock						
	Industrial	13.89	38.46	25.60			
	Fossil Fuel Power	174.51	565.40	1.24			
	Nuclear Power						
	Hydroelectric Power						
	Other	0.00	0.00	0.15			
	Total:	286.09	613.90	72.16			

Basin	Category	All Facilities			Principal Facilities		
		GLSW	OSW	GW	GLSW	OSW	GW
Lake Erie							
	Public Supply	580.58	16.06	40.81			
	Domestic Supply	0.00	0.00	0.17			
	Irrigation	0.44	11.99	9.61			
	Livestock						
	Industrial	33.55	20.84	29.86			
	Fossil Fuel Power	4006.42	114.44	0.11			
	Nuclear Power	49.06	0.00	0.00			
	Hydroelectric Power						
	Other						
	Total:	4670.04	163.32	80.55			
Grand Total:		8507.97	1461.60	580.30			

JURISDICTION REPORT- Michigan

Jurisdiction Totals

Units: Mgal(US)/d

Year Of Data: 2006

Total Report - All Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	815.66	17.19	244.54	1077.39	0.00	0.00	134.67
Domestic Supply	0.00	1.26	2.20	3.46	0.00	0.00	0.43
Irrigation	5.79	83.98	163.97	253.73	0.00	0.00	228.36
Livestock					0.00	0.00	
Industrial	357.77	207.90	120.40	686.07	0.00	0.00	68.61
Fossil Fuel Power	5102.98	1151.27	46.80	6301.05	0.00	0.00	75.61
Nuclear Power	2225.78	0.00	0.00	2225.78	0.00	0.00	42.29
Hydroelectric Power					0.00	0.00	
Other	0.00	0.00	2.39	2.39	0.00	0.00	0.00

Total Report - Principal Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply							
Domestic Supply							
Irrigation							
Livestock							
Industrial							
Fossil Fuel Power							
Nuclear Power							
Hydroelectric Power							
Other							

Minnesota

Data Sources: Water use data for Minnesota were provided by the Minnesota Department of Natural Resources, Division of Waters. Please contact Sean Hunt at 651/259-5679 or sean.hunt@dnr.state.mn.us with specific questions regarding Minnesota's water use data.

Withdrawals: Total water use from the Minnesota portion of the Lake Superior basin were 3,231.79 mgd, an decrease of 25 percent from 2005 (4,316.06 mgd). This decrease can be attributed to the decrease in hydroelectric power generation. Water used for hydroelectric power generation purposes (2,645.73 mgd), accounted for nearly 82 percent of Minnesota's total water use in 2006. This was an increase of just over 3 percent from 2005 (3,717.98 mgd). Of the remainder (586.03mgd), industrial use accounted for 62 percent.

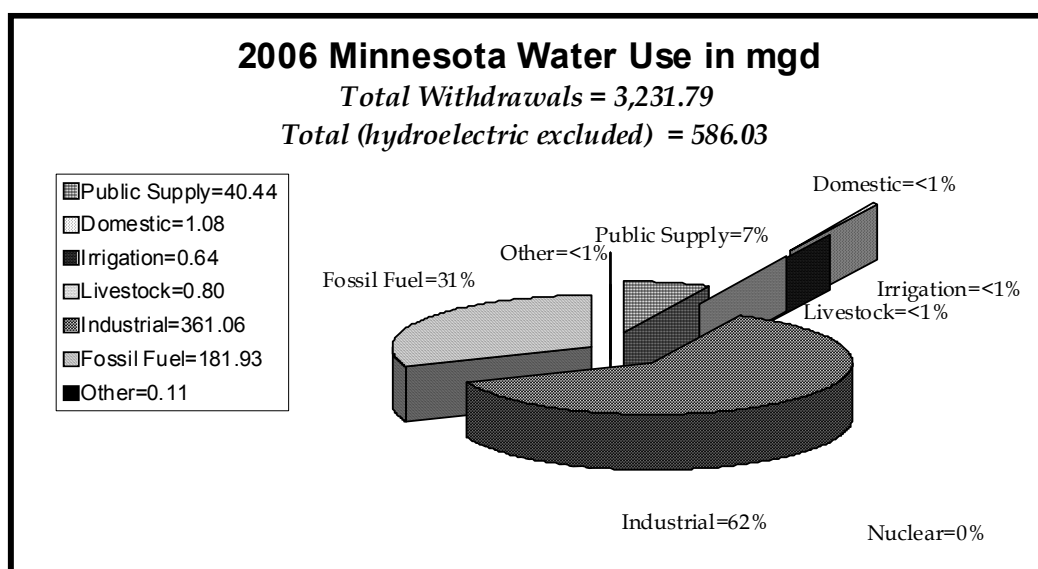


Figure 8

Consumptive Use: The largest consumptive use was calculated to be industrial, at 36.10 mgd, or 80 percent of total consumption (45.17 mgd). Public supply was the second largest consumptive use at 4.05 mgd, or 9 percent of Minnesota's total consumptive use.

Interbasin Diversions: None reported.

Data Quality: Minnesota's withdrawal data for this report were 100% measured; the level of aggregation was 100% site-specific.

JURISDICTION REPORT- Minnesota

Withdrawals, Diversions and Consumptive Uses Units: Mgal(US)/d
Year Of Data: 2006

Basin	Category	All Facilities			Principal Facilities		
		Withdr.	Inter-Basin Diver.	Consum.	Withdr.	Inter-Basin Diver.	Consum.
Lake Superior							
	Public Supply	40.44	0.00	4.05	40.13	0.00	4.02
	Domestic Supply	1.08	0.00	0.10	1.03	0.00	0.10
	Irrigation	0.64	0.00	0.57	0.25	0.00	0.22
	Livestock	0.80	0.00	0.72	0.75	0.00	0.67
	Industrial	361.06	0.00	36.10	360.73	0.00	36.07
	Fossil Fuel Power	181.93	0.00	3.63	181.91	0.00	3.63
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	2645.73	0.00	0.00	2645.73	0.00	0.00
	Other	0.11	0.00	0.00	0.00	0.00	0.00
	Total:	3231.79	0.00	45.17	3230.53	0.00	44.71
Grand Total:		3231.79	0.00	45.17	3230.53	0.00	44.71

JURISDICTION REPORT- Minnesota

Withdrawals by Source

Units: Mgal(US)/d

Year Of Data: 2006

Basin	Category	All Facilities			Principal Facilities		
		GLSW	OSW	GW	GLSW	OSW	GW
Lake Superior							
	Public Supply	32.26	2.09	6.09	32.20	2.06	5.87
	Domestic Supply	0.73	0.34	0.01	0.69	0.34	0.00
	Irrigation	0.09	0.48	0.07	0.00	0.25	0.00
	Livestock	0.80	0.00	0.00	0.75	0.00	0.00
	Industrial	297.71	63.32	0.03	297.64	63.09	0.00
	Fossil Fuel Power	46.22	135.58	0.13	46.21	135.58	0.12
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	0.00	2645.73	0.00	0.00	2645.73	0.00
	Other	0.00	0.00	0.11	0.00	0.00	0.00
	Total:	377.81	2847.54	6.44	377.49	2847.05	5.99
Grand Total:		377.81	2847.54	6.44	377.49	2847.05	5.99

JURISDICTION REPORT- Minnesota

Jurisdiction Totals

Units: Mgal(US)/d

Year Of Data: 2006

Total Report - All Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	32.26	2.09	6.09	40.44	0.00	0.00	4.05
Domestic Supply	0.73	0.34	0.01	1.08	0.00	0.00	0.10
Irrigation	0.09	0.48	0.07	0.64	0.00	0.00	0.57
Livestock	0.80	0.00	0.00	0.80	0.00	0.00	0.72
Industrial	297.71	63.32	0.03	361.06	0.00	0.00	36.10
Fossil Fuel Power	46.22	135.58	0.13	181.93	0.00	0.00	3.63
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydroelectric Power	0.00	2645.73	0.00	2645.73	0.00	0.00	0.00
Other	0.00	0.00	0.11	0.11	0.00	0.00	0.00

Total Report - Principal Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	32.20	2.06	5.87	40.13	0.00	0.00	4.02
Domestic Supply	0.69	0.34	0.00	1.03	0.00	0.00	0.10
Irrigation	0.00	0.25	0.00	0.25	0.00	0.00	0.22
Livestock	0.75	0.00	0.00	0.75	0.00	0.00	0.67
Industrial	297.64	63.09	0.00	360.73	0.00	0.00	36.07
Fossil Fuel Power	46.21	135.58	0.12	181.91	0.00	0.00	3.63
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydroelectric Power	0.00	2645.73	0.00	2645.73	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00

New York

Data Sources: Water use data collection in New York is performed by the Department of Environmental Conservation—Bureau of Water Resource Management. Please contact Michael Holt at 518/402-8099 or mdholt@gw.dec.state.ny.us with questions regarding New York’s data.

Withdrawals: In 2006, New York’s total water use was 312,003.65 mgd. Total withdrawals, not including hydroelectric power, were 4,208.65 mgd, compared with 4,474.93 in 2005. Hydroelectric power uses of 307,765 mgd represented 98.6 percent of total withdrawals in New York far exceeding other uses; the St. Lawrence River accounted for 58 percent of hydroelectric withdrawals in New York. The next largest categories of use were fossil fuel and nuclear power.

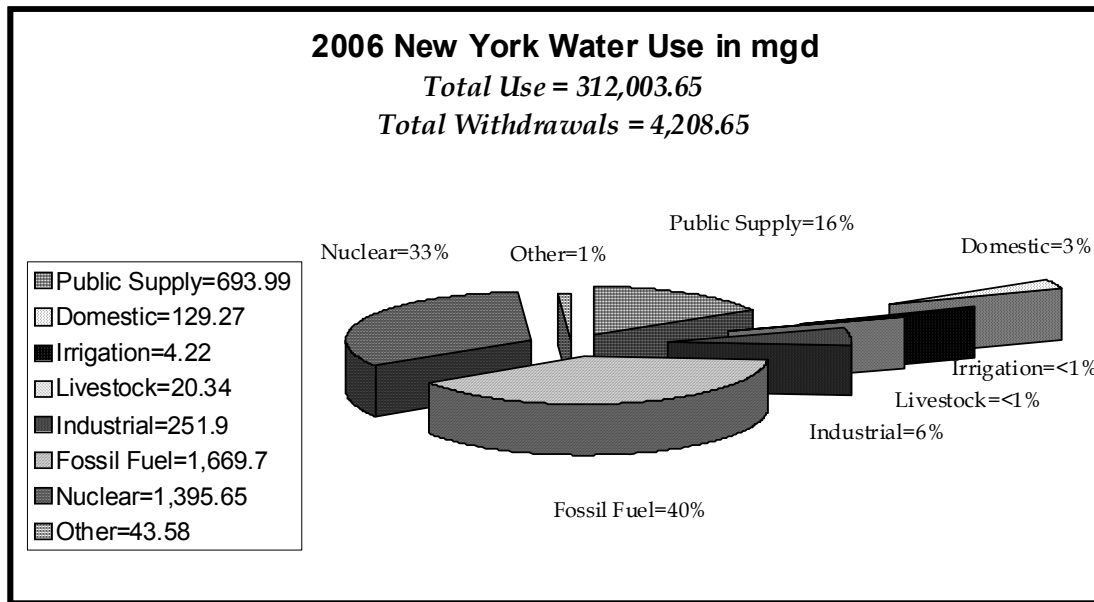


Figure 9

Consumptive Use: New York reported total consumptive uses of 303.78 mgd. Lake Ontario comprised 197.50 mgd or 65 percent; Lake Erie comprised 92.05 mgd or 30 percent; the St. Lawrence River comprised 14.23 mgd or 5 percent. The largest categories of consumptive use were public supply (69.41 mgd) and nuclear power (69.78 mgd), both uses are about at 46 percent of total consumptive use.

Interbasin Diversions: Two outgoing interbasin diversions occur between the Lake Ontario basin and the Mohawk River basin. A withdrawal of 9.59 mgd from the Tagasoke Reservoir on the East Branch of Fish Creek (Lake Ontario basin) is made by the city of Rome for public water supply and emptied into the Mohawk River basin. The Forestport/Black River Canal (Lake Ontario basin) was decommissioned in the 1980s but still allows for residual flow of up to 32 mgd into the Mohawk River basin.

Intrabasin Diversions: The western section of the Erie Canal withdraws up to 711 mgd from the Niagara River during the navigation season (May through November) and returns it through tributaries of Lake Ontario, resulting in no net loss or gain to the basin.

Data Quality: New York’s withdrawal data for this report were 100 percent partially measured; the level of aggregation was 100 percent aggregated.

JURISDICTION REPORT- New York

Withdrawals, Diversions and Consumptive Uses Units: Mgal(US)/d
Year Of Data: 2006

Basin	Category	All Facilities			Principal Facilities		
		Withdr.	Inter-Basin Diver.	Consum.	Withdr.	Inter-Basin Diver.	Consum.
Lake Erie							
	Public Supply	264.03	0.00	26.40		0.00	
	Domestic Supply	22.94	0.00	2.29	0.00	0.00	0.00
	Irrigation	0.30	0.00	0.27	0.30	0.00	0.27
	Livestock	4.24	0.00	3.82		0.00	
	Industrial	171.21	0.00	42.81	170.26	0.00	42.57
	Fossil Fuel Power	822.85	0.00	16.46	822.85	0.00	16.46
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	47168.00	0.00	0.00	47168.00	0.00	0.00
	Other	0.00	0.00	0.00	0.00	0.00	0.00
	Total:	48453.57	0.00	92.05	48161.41	0.00	59.30
Lake Ontario							
	Public Supply	390.27	9.59	39.03		9.59	0.00
	Domestic Supply	91.17	0.00	9.12	29.28	0.00	2.93
	Irrigation	3.92	0.00	3.53	3.92	0.00	3.53
	Livestock	11.03	0.00	9.92		0.00	6.45
	Industrial	65.68	0.00	16.42	65.68	0.00	16.42
	Fossil Fuel Power	846.83	0.00	16.93	846.83	0.00	16.93
	Nuclear Power	1395.65	0.00	69.78	1395.65	0.00	69.78
	Hydroelectric Power	80908.00	0.00	0.00	0.00	0.00	0.00
	Other	39.44	32.00	32.77	7.44	32.00	0.01
	Total:	83751.99	41.59	197.50	2348.80	41.59	116.05
St. Lawrence River							
	Public Supply	39.69	0.00	3.98		0.00	
	Domestic Supply	15.16	0.00	1.52	0.49	0.00	0.05
	Irrigation	0.00	0.00	0.00	0.00	0.00	0.00
	Livestock	5.07	0.00	4.56		0.00	
	Industrial	15.01	0.00	3.76	15.01	0.00	3.76
	Fossil Fuel Power	0.02	0.00	0.00	0.02	0.00	0.00
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	179719.00	0.00	0.00	81027.00	0.00	0.00
	Other	4.14	0.00	0.41	4.14	0.00	0.41
	Total:	179798.09	0.00	14.23	81046.66	0.00	4.22
Grand Total:		312003.65	41.59	303.78	131556.87	41.59	179.57

JURISDICTION REPORT- New York

Withdrawals by Source

Units: Mgal(US)/d

Year Of Data: 2006

Basin	Category	All Facilities			Principal Facilities		
		GLSW	OSW	GW	GLSW	OSW	GW
Lake Erie							
	Public Supply	184.58	72.12	7.33			
	Domestic Supply	12.33	0.00	10.61	0.00	0.00	0.00
	Irrigation	0.23	0.07	0.00	0.23	0.07	0.00
	Livestock	1.51	0.00	2.73			
	Industrial	170.22	0.95	0.04	170.22	0.00	0.04
	Fossil Fuel Power	822.85	0.00	0.00	822.85	0.00	0.00
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	47168.00	0.00	0.00	47168.00	0.00	0.00
	Other	0.00	0.00	0.00	0.00	0.00	0.00
	Total:	48359.72	73.14	20.71	48161.30	0.07	0.04
Lake Ontario							
	Public Supply	187.28	170.51	32.48			
	Domestic Supply	21.10	29.28	40.79	0.00	29.28	0.00
	Irrigation	0.00	3.75	0.17	0.00	3.75	0.17
	Livestock	3.86	0.00	7.17			
	Industrial	21.88	33.99	9.81	21.88	33.99	9.81
	Fossil Fuel Power	458.12	388.71	0.00	458.12	388.71	0.00
	Nuclear Power	1395.65	0.00	0.00	1395.65	0.00	0.00
	Hydroelectric Power	0.00	80908.00	0.00	0.00	0.00	0.00
	Other	0.00	39.33	0.11	0.00	7.33	0.11
	Total:	2087.89	81573.57	90.53	1875.65	463.06	10.09
St. Lawrence River							
	Public Supply	2.86	32.47	4.36			
	Domestic Supply	2.55	0.49	12.12	0.00	0.49	0.00
	Irrigation	0.00	0.00	0.00	0.00	0.00	0.00
	Livestock	1.77	0.00	3.30			
	Industrial	4.90	6.92	3.19	4.90	6.92	3.19
	Fossil Fuel Power	0.02	0.00	0.00	0.02	0.00	0.00
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	81027.00	98692.00	0.00	81027.00	0.00	0.00
	Other	0.00	4.14	0.00	0.00	4.14	0.00
	Total:	81039.10	98736.02	22.97	81031.92	11.55	3.19
Grand Total:		131486.71	180382.73	134.21	131068.87	474.68	13.32

JURISDICTION REPORT- New York

Jurisdiction Totals

Units: Mgal(US)/d

Year Of Data: 2006

Total Report - All Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	374.72	275.10	44.17	693.99	0.00	9.59	69.41
Domestic Supply	35.98	29.77	63.52	129.27	0.00	0.00	12.93
Irrigation	0.23	3.82	0.17	4.22	0.00	0.00	3.80
Livestock	7.14	0.00	13.20	20.34	0.00	0.00	18.30
Industrial	197.00	41.86	13.04	251.90	0.00	0.00	62.99
Fossil Fuel Power	1280.99	388.71	0.00	1669.70	0.00	0.00	33.39
Nuclear Power	1395.65	0.00	0.00	1395.65	0.00	0.00	69.78
Hydroelectric Power	128195.00	179600.00	0.00	307795.00	0.00	0.00	0.00
Other	0.00	43.47	0.11	43.58	0.00	32.00	33.18

Total Report - Principal Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply					0.00	9.59	0.00
Domestic Supply	0.00	29.77	0.00	29.77	0.00	0.00	2.98
Irrigation	0.23	3.82	0.17	4.22	0.00	0.00	3.80
Livestock					0.00	0.00	6.45
Industrial	197.00	40.91	13.04	250.95	0.00	0.00	62.75
Fossil Fuel Power	1280.99	388.71	0.00	1669.70	0.00	0.00	33.39
Nuclear Power	1395.65	0.00	0.00	1395.65	0.00	0.00	69.78
Hydroelectric Power	128195.00	0.00	0.00	128195.00	0.00	0.00	0.00
Other	0.00	11.47	0.11	11.58	0.00	32.00	0.42

Ohio

Data Sources: Water use data for Ohio are collected by the Ohio Department of Natural Resources-Division of Water, the Ohio Environmental Protection Agency, and the U.S. Geological Survey. Please contact Lenn Black at leonard.black@dnr.state.oh.us or 614/265-6758 with questions regarding Ohio's water use data.

Withdrawals: Total withdrawals from the Ohio Lake Erie basin for 2006 were 3,539.42 mgd. Thermoelectric-fossil fuel was by far the largest use of water at 2,444.47 mgd (69%); public supply was the second largest withdrawal at 551.66 mgd (16%).

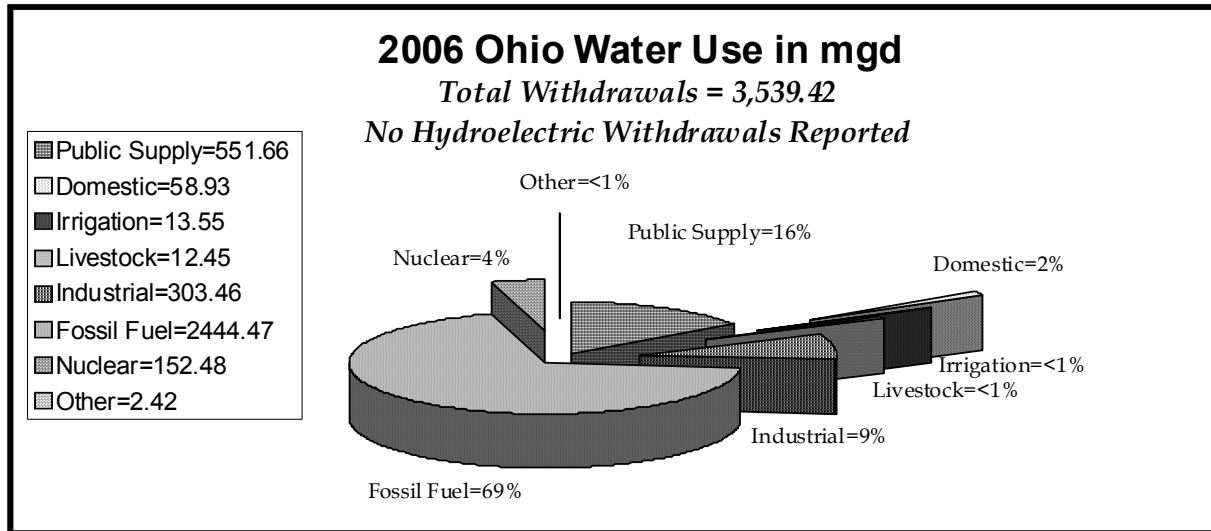


Figure 10

Consumptive Use: Total consumptive uses were calculated to be 185.16 mgd. Public supply represents the largest consumptive use sector at 82.76 mgd and accounts for 45 percent of the total. The next three largest consumptive uses were industrial facilities at 30.35 mgd, thermoelectric - fossil fuel at 24.45 mgd and irrigation at 12.19 mgd.

Interbasin Diversions: Two Lake Erie basin public water systems provided drinking water to service areas outside the basin without return, resulting in total outgoing diversions of 0.32 mgd. Outflows from an Ohio & Erie Canal feeder lake resulted in a diversion into the Lake Erie basin of 9.97 mgd.

Data Quality: Ohio's withdrawal data for this report were 2 percent calculated or estimated, and 98 percent partially measured; the level of aggregation was 2 percent aggregated and 98 percent site-specific.

JURISDICTION REPORT- Ohio

Withdrawals, Diversions and Consumptive Uses Units: Mgal(US)/d
Year Of Data: 2006

Basin	Category	All Facilities			Principal Facilities		
		Withdr.	Inter-Basin Diver.	Consum.	Withdr.	Inter-Basin Diver.	Consum.
Lake Erie							
	Public Supply	551.66	0.32	82.76	547.97	0.32	82.19
	Domestic Supply	58.93	0.00	8.84	0.37	0.00	0.06
	Irrigation	13.55	0.00	12.19	11.77	0.00	10.60
	Livestock	12.45	0.00	9.96	0.96	0.00	0.77
	Industrial	303.46	0.00	30.35	302.93	0.00	30.30
	Fossil Fuel Power	2444.47	0.00	24.45	2444.46	0.00	24.45
	Nuclear Power	152.48	0.00	15.25	152.48	0.00	15.25
	Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00
	Other	2.42	-9.97	1.36	2.25	-9.97	1.36
	Total:	3539.42	-9.65	185.16	3463.19	-9.65	164.98
Grand Total:		3539.42	-9.65	185.16	3463.19	-9.65	164.98

JURISDICTION REPORT- Ohio

Withdrawals by Source

Units: Mgal(US)/d

Year Of Data: 2006

Basin	Category	All Facilities			Principal Facilities		
		GLSW	OSW	GW	GLSW	OSW	GW
Lake Erie							
	Public Supply	408.95	108.83	33.88	408.95	108.50	30.52
	Domestic Supply	0.37	0.07	58.49	0.37	0.00	0.00
	Irrigation	0.26	11.00	2.29	0.24	9.92	1.61
	Livestock	0.00	1.76	10.69	0.00	0.00	0.96
	Industrial	56.38	187.88	59.20	56.38	187.67	58.88
	Fossil Fuel Power	1694.90	749.57	0.00	1694.89	749.57	0.00
	Nuclear Power	152.48	0.00	0.00	152.48	0.00	0.00
	Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00
	Other	0.27	1.42	0.73	0.27	1.42	0.56
	Total:	2313.61	1060.53	165.28	2313.58	1057.08	92.53
Grand Total:		2313.61	1060.53	165.28	2313.58	1057.08	92.53

JURISDICTION REPORT- Ohio

Jurisdiction Totals

Units: Mgal(US)/d

Year Of Data: 2006

Total Report - All Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	408.95	108.83	33.88	551.66	0.00	0.32	82.76
Domestic Supply	0.37	0.07	58.49	58.93	0.00	0.00	8.84
Irrigation	0.26	11.00	2.29	13.55	0.00	0.00	12.19
Livestock	0.00	1.76	10.69	12.45	0.00	0.00	9.96
Industrial	56.38	187.88	59.20	303.46	0.00	0.00	30.35
Fossil Fuel Power	1694.90	749.57	0.00	2444.47	0.00	0.00	24.45
Nuclear Power	152.48	0.00	0.00	152.48	0.00	0.00	15.25
Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.27	1.42	0.73	2.42	0.00	-9.97	1.36

Total Report - Principal Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	408.95	108.50	30.52	547.97	0.00	0.32	82.19
Domestic Supply	0.37	0.00	0.00	0.37	0.00	0.00	0.06
Irrigation	0.24	9.92	1.61	11.77	0.00	0.00	10.60
Livestock	0.00	0.00	0.96	0.96	0.00	0.00	0.77
Industrial	56.38	187.67	58.88	302.93	0.00	0.00	30.30
Fossil Fuel Power	1694.89	749.57	0.00	2444.46	0.00	0.00	24.45
Nuclear Power	152.48	0.00	0.00	152.48	0.00	0.00	15.25
Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.27	1.42	0.56	2.25	0.00	-9.97	1.36

Ontario

Data Sources: Water use data reporting for Ontario was coordinated by the Ontario Ministry of Natural Resources, Science and Information Branch. Calendar year 2000 data are used for this report because: 1) water use estimates for 2006 are not anticipated to be greatly different than those reported for 2000 assuming a similar data collection and assessment approach, and 2) the provincial government has phased-in new regulatory reporting requirements for permitted water takers with the requirements being fully implemented in 2008. Water use information from the new reporting program will represent a significant enhancement in estimating the reported overall water use in the province. Permit holders are now required to collect and record data on the volume of water taken daily and report the data on an annual basis. Please contact Jonathan Staples at Jonathan.Staples@ontario.ca, Ontario Ministry of Natural Resources with questions regarding Ontario's water use data.

Data for the public supply sector were obtained from the Ministry of the Environment Interim Inspection System Reports. Domestic use figures were estimated with the use of Environment Canada's municipal water use database and Statistics Canada Population Census data. *Agricultural Water Use 1996* and *Agricultural Water Use 2001* were the sources for irrigation and livestock data. As no viable source of current data is available for industrial water use, the reported industrial data are from 1996. Data for the power sector categories were obtained through contact with individual operators and generation companies. Data for the "other" category were taken from the National Canal Survey.

Although this water withdrawal report accounts for the majority of water use within Ontario, data for a limited number of water users is not available, therefore this database does not represent all water use in the province.

Withdrawals: The reported 2005, Great Lakes water uses for Ontario (using 2000 surrogate data) were approximately 769,343.12 mld, or 203,238.94 mgd. However, hydroelectric withdrawals represented more than 93 percent of the total, leaving total use at 51,849.17 mld (13,697.10 mgd). Thermoelectric—nuclear plant uses (not including hydropower) were the largest at 74 percent (38,328.77 mld, or 10,125.39 mgd).

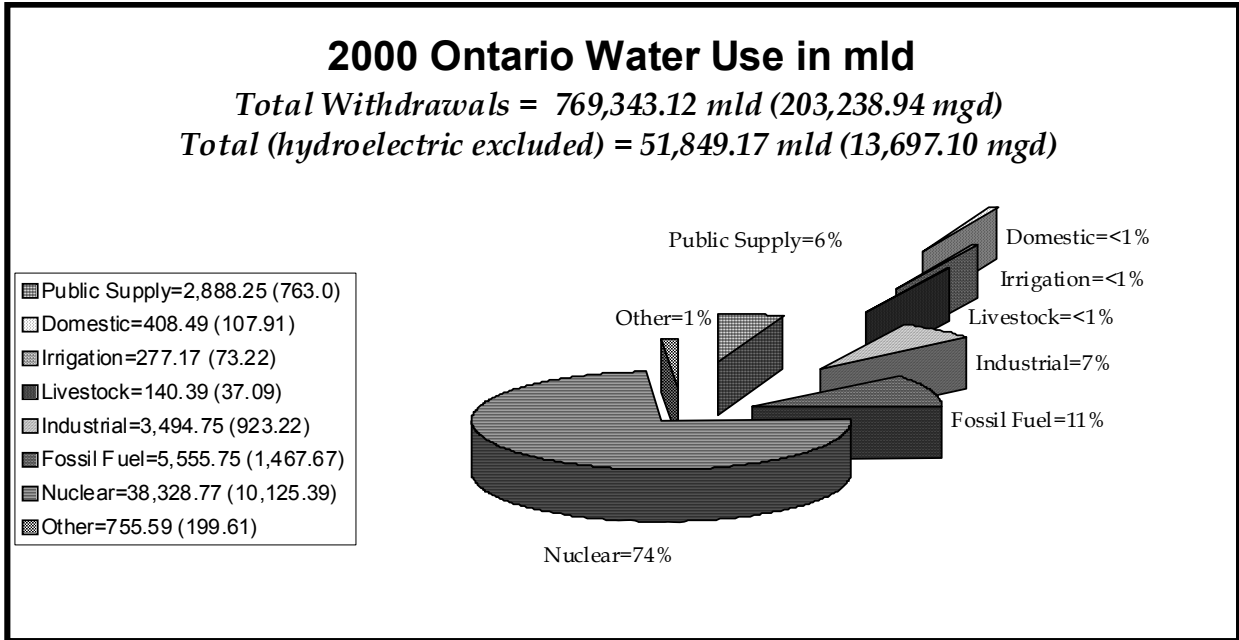


Figure 11

Consumptive Use: Total consumptive uses were calculated to be 1,059.62 mld (279.92 mgd). Public supply represents the largest consumptive use sector at 433.24 mld (114.45 mgd) and accounts for 41% of the total. The next two largest consumptive uses were nuclear power and industrial use, at 344.96 mld (91.13 mgd) and 220.15 mld (58.16 mgd) respectively.

Interbasin Diversions: Ontario reported incoming interbasin diversions into the Lake Superior basin from the James Bay basin for hydroelectric purposes (the Ogoki and Long Lac projects) amounting to 15,170.99 mld (4,004.75 mgd).

Intrabasin Diversions: Intrabasin diversions occurred between lakes Huron, Erie and Ontario.

Data Quality: Ontario's withdrawal data for this report were 20 percent measured, 79 percent partially measured, and 1 percent calculated or estimated; the level of aggregation was 99 percent site-specific and less than 1 percent aggregated.

JURISDICTION REPORT- Ontario

Withdrawals, Diversions and Consumptive Uses Units: Mgal(US)/d
Year Of Data: 2006

Basin	Category	All Facilities			Principal Facilities		
		Withdr.	Inter-Basin Diver.	Consum.	Withdr.	Inter-Basin Diver.	Consum.
Lake Superior							
	Public Supply	45.77	0.00	6.87	45.58	0.00	6.84
	Domestic Supply	1.75	0.00	0.26	0.00	0.00	0.00
	Irrigation	0.37	0.00			0.00	
	Livestock	0.14	0.00			0.00	
	Industrial	162.12	0.00	10.21	0.00	0.00	0.00
	Fossil Fuel Power	295.52	0.00	0.00	0.00	0.00	0.00
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	38156.31	-4007.75	0.00	0.00	0.00	0.00
	Other		0.00			0.00	
	Total:	38661.99	-4007.75	17.34	45.58	0.00	6.84

Lake Huron							
	Public Supply	84.37	0.00	12.65	81.66	0.00	12.25
	Domestic Supply	10.61	0.00	1.59	0.00	0.00	0.00
	Irrigation	20.91	0.00			0.00	
	Livestock	12.41	0.00			0.00	
	Industrial	190.19	0.00	11.98	0.00	0.00	0.00
	Fossil Fuel Power	0.00	0.00	0.00	0.00	0.00	0.00
	Nuclear Power	4697.20	0.00	42.28	0.00	0.00	0.00
	Hydroelectric Power	33608.07	0.00	0.00	0.00	0.00	0.00
	Other	47.97	0.00	0.00	47.97	0.00	0.00
	Total:	38671.73	0.00	68.50	129.63	0.00	12.25

Lake Erie							
	Public Supply	93.89	0.00	14.08	92.84	0.00	13.92
	Domestic Supply	19.94	0.00	2.99	0.00	0.00	0.00
	Irrigation	31.85	0.00			0.00	
	Livestock	13.22	0.00			0.00	
	Industrial	180.45	0.00	11.37	0.00	0.00	0.00
	Fossil Fuel Power	463.20	0.00	0.00	0.00	0.00	0.00
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00
	Other		0.00			0.00	
	Total:	802.56	0.00	28.44	92.84	0.00	13.92

Basin	Category	All Facilities			Principal Facilities		
		Withdr.	Inter-Basin Diver.	Consum.	Withdr.	Inter-Basin Diver.	Consum.
Lake Ontario							
	Public Supply	465.93	0.00	69.89	464.62	0.00	69.69
	Domestic Supply	64.17	0.00	9.63	0.00	0.00	0.00
	Irrigation	17.73	0.00			0.00	
	Livestock	5.40	0.00			0.00	
	Industrial	229.64	0.00	14.47	0.00	0.00	0.00
	Fossil Fuel Power	708.95	0.00	0.00	0.00	0.00	0.00
	Nuclear Power	5428.19	0.00	48.85	0.00	0.00	0.00
	Hydroelectric Power	41542.31	0.00	0.00	0.00	0.00	0.00
	Other	132.35	0.00	0.00	132.35	0.00	0.00
	Total:	48594.67	0.00	142.84	596.97	0.00	69.69
St. Lawrence River							
	Public Supply	73.03	0.00	10.96	72.08	0.00	10.82
	Domestic Supply	11.45	0.00	1.72	0.00	0.00	0.00
	Irrigation	2.35	0.00			0.00	
	Livestock	5.91	0.00			0.00	
	Industrial	160.81	0.00	10.13	0.00	0.00	0.00
	Fossil Fuel Power	0.00	0.00	0.00	0.00	0.00	0.00
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	76235.15	0.00	0.00	0.00	0.00	0.00
	Other	19.28	0.00	0.00	19.28	0.00	0.00
	Total:	76507.99	0.00	22.80	91.37	0.00	10.82
Grand Total:		203238.94	-4007.75	279.92	956.38	0.00	113.52

JURISDICTION REPORT- Ontario

Withdrawals by Source

Units: Mgal(US)/d

Year Of Data: 2006

Basin	Category	All Facilities			Principal Facilities		
		GLSW	OSW	GW	GLSW	OSW	GW
Lake Superior							
	Public Supply	30.10	13.03	2.65	30.07	12.96	2.55
	Domestic Supply	0.00	0.00	1.75	0.00	0.00	0.00
	Irrigation	0.02	0.31	0.05			
	Livestock	0.00	0.14	0.00			
	Industrial	162.12	0.00	0.00	0.00	0.00	0.00
	Fossil Fuel Power	295.52	0.00	0.00	0.00	0.00	0.00
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	0.00	38156.31	0.00	0.00	0.00	0.00
	Other						
	Total:	487.76	38169.79	4.44	30.07	12.96	2.55
Lake Huron							
	Public Supply	42.66	23.57	18.14	42.02	23.23	16.40
	Domestic Supply	0.00	0.00	10.61	0.00	0.00	0.00
	Irrigation	0.15	15.41	5.35			
	Livestock	2.93	3.07	6.41			
	Industrial	187.41	0.00	2.78	0.00	0.00	0.00
	Fossil Fuel Power	0.00	0.00	0.00	0.00	0.00	0.00
	Nuclear Power	4697.20	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	20000.41	13607.66	0.00	0.00	0.00	0.00
	Other	0.00	47.97	0.00	0.00	47.97	0.00
	Total:	24930.76	13697.68	43.29	42.02	71.20	16.40
Lake Erie							
	Public Supply	8.97	29.26	55.66	8.97	29.23	54.64
	Domestic Supply	0.00	0.00	19.94	0.00	0.00	0.00
	Irrigation	0.59	12.11	19.15			
	Livestock	0.02	0.89	12.31			
	Industrial	173.24	0.00	7.21	0.00	0.00	0.00
	Fossil Fuel Power	463.20	0.00	0.00	0.00	0.00	0.00
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00
	Other						
	Total:	646.02	42.26	114.27	8.97	29.23	54.64

Basin	Category	All Facilities			Principal Facilities		
		GLSW	OSW	GW	GLSW	OSW	GW
Lake Ontario							
	Public Supply	401.52	52.86	11.56	401.47	52.68	10.47
	Domestic Supply	0.00	0.00	64.17	0.00	0.00	0.00
	Irrigation	1.08	9.53	7.12			
	Livestock	0.00	0.94	4.46			
	Industrial	218.17	0.00	11.46	0.00	0.00	0.00
	Fossil Fuel Power	708.95	0.00	0.00	0.00	0.00	0.00
	Nuclear Power	5428.19	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	33861.04	7681.26	0.00	0.00	0.00	0.00
	Other	0.00	132.35	0.00	0.00	132.35	0.00
	Total:	40618.96	7876.94	98.77	401.47	185.03	10.47
St. Lawrence River							
	Public Supply	10.64	58.84	3.56	10.64	58.52	2.93
	Domestic Supply	0.00	0.00	11.45	0.00	0.00	0.00
	Irrigation	0.01	2.04	0.30			
	Livestock	0.00	3.63	2.28			
	Industrial	159.76	0.00	1.05	0.00	0.00	0.00
	Fossil Fuel Power	0.00	0.00	0.00	0.00	0.00	0.00
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	76149.02	86.13	0.00	0.00	0.00	0.00
	Other	0.00	19.28	0.00	0.00	19.28	0.00
	Total:	76319.43	169.91	18.65	10.64	77.80	2.93
Grand Total:		143002.93	59956.58	279.43	493.17	376.22	87.00

JURISDICTION REPORT- Ontario

Jurisdiction Totals

Units: Mgal(US)/d

Year Of Data: 2006

Total Report - All Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	493.88	177.55	91.57	763.00	0.00	0.00	114.45
Domestic Supply	0.00	0.00	107.91	107.91	0.00	0.00	16.19
Irrigation	1.86	39.39	31.97	73.22	0.00	0.00	
Livestock	2.95	8.67	25.47	37.09	0.00	0.00	
Industrial	900.71	0.00	22.51	923.22	0.00	0.00	58.16
Fossil Fuel Power	1467.67	0.00	0.00	1467.67	0.00	0.00	0.00
Nuclear Power	10125.39	0.00	0.00	10125.39	0.00	0.00	91.13
Hydroelectric Power	130010.47	59531.37	0.00	189541.84	0.00	-4007.75	0.00
Other	0.00	199.61	0.00	199.61	61.97	0.00	0.00

Total Report - Principal Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	493.17	176.61	87.00	756.78	0.00	0.00	113.52
Domestic Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Irrigation					0.00	0.00	
Livestock					0.00	0.00	
Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fossil Fuel Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	199.61	0.00	199.61	61.97	0.00	0.00

Pennsylvania

Data Sources: The Department of Environmental Protection – Bureau of Watershed Management submitted water use data for the Lake Erie and Lake Ontario basins of Pennsylvania. Please contact David Jostenski at 717/772-5659 or djostenski@state.pa.us with questions regarding Pennsylvania’s water use data.

Withdrawals: Total withdrawals from Lake Erie were 37.19 mgd, with no hydroelectric withdrawals reported. Public supply at 31.53 mgd or 85 percent, and industrial at 5.35 mgd or 14 percent, constituted the primary uses of water.

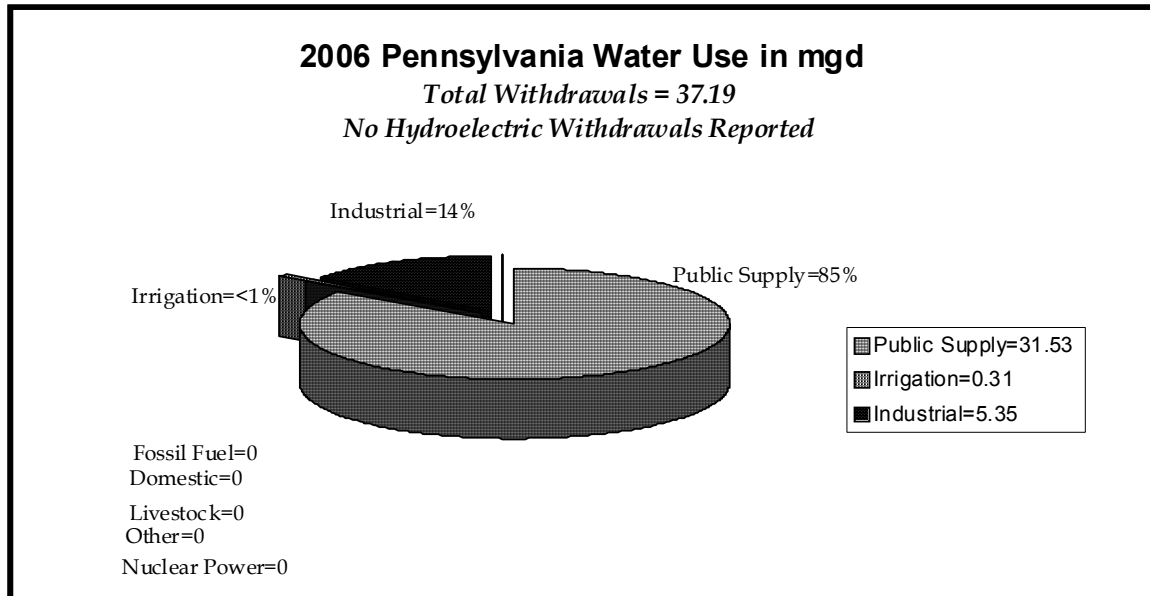


Figure 12

Consumptive Use: Consumptive use totaled 3.43 mgd, down by 37 percent from the 2005 figure of 5.43 mgd.

Interbasin Diversions: There was an import of 1.73 mgd of water from the Allegheny River basin to the Lake Erie basin for public water supply purposes.

Data Quality: Pennsylvania’s withdrawal data for this report were 19 percent calculated or estimated, 6 percent partially measured, and 75 percent measured; the level of aggregation was 100 percent site-specific

JURISDICTION REPORT- Pennsylvania

Withdrawals, Diversions and Consumptive Uses Units: Mgal(US)/d
Year Of Data: 2006

Basin	Category	All Facilities			Principal Facilities		
		Withdr.	Inter-Basin Diver.	Consum.	Withdr.	Inter-Basin Diver.	Consum.
Lake Erie							
	Public Supply	31.53	0.00	3.15	31.53	0.00	3.15
	Domestic Supply	0.00	0.00		0.00	0.00	0.00
	Irrigation	0.31	0.00	0.28	0.31	0.00	0.28
	Livestock		0.00		0.00	0.00	0.00
	Industrial	5.34	0.00		5.34	0.00	0.00
	Fossil Fuel Power		0.00		0.00	0.00	0.00
	Nuclear Power	0.00	0.00		0.00	0.00	0.00
	Hydroelectric Power	0.00	0.00		0.00	0.00	0.00
	Other		0.00		0.00	0.00	0.00
	Total:	37.19	0.00	3.43	37.19	0.00	3.43
Lake Ontario							
	Public Supply		0.00			0.00	
	Domestic Supply		0.00			0.00	
	Irrigation		0.00			0.00	
	Livestock		0.00			0.00	
	Industrial		0.00			0.00	
	Fossil Fuel Power		0.00			0.00	
	Nuclear Power		0.00			0.00	
	Hydroelectric Power		0.00			0.00	
	Other		0.00			0.00	
	Total:		0.00			0.00	
Grand Total:		37.19	0.00	3.43	37.19	0.00	3.43

JURISDICTION REPORT- Pennsylvania

Withdrawals by Source

Units: Mgal(US)/d

Year Of Data: 2006

Basin	Category	All Facilities			Principal Facilities		
		GLSW	OSW	GW	GLSW	OSW	GW
Lake Erie							
	Public Supply	29.41	0.64	1.49	29.41	0.64	1.49
	Domestic Supply	0.00	0.00	0.00	0.00	0.00	0.00
	Irrigation	0.00	0.31	0.00	0.00	0.31	0.00
	Livestock				0.00	0.00	0.00
	Industrial	5.34	0.00	0.00	5.34	0.00	0.00
	Fossil Fuel Power				0.00	0.00	0.00
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00
	Other				0.00	0.00	0.00
	Total:	34.75	0.94	1.49	34.75	0.94	1.49
Lake Ontario							
	Public Supply						
	Domestic Supply						
	Irrigation						
	Livestock						
	Industrial						
	Fossil Fuel Power						
	Nuclear Power						
	Hydroelectric Power						
	Other						
	Total:						
Grand Total:		34.75	0.94	1.49	34.75	0.94	1.49

JURISDICTION REPORT- Pennsylvania

Jurisdiction Totals

Units: Mgal(US)/d

Year Of Data: 2006

Total Report - All Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	29.41	0.64	1.49	31.53	0.00	0.00	3.15
Domestic Supply	0.00	0.00	0.00	0.00	0.00	0.00	
Irrigation	0.00	0.31	0.00	0.31	0.00	0.00	0.28
Livestock					0.00	0.00	
Industrial	5.34	0.00	0.00	5.34	0.00	0.00	
Fossil Fuel Power					0.00	0.00	
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	
Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00	
Other					0.00	0.00	

Total Report - Principal Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	29.41	0.64	1.49	31.53	0.00	0.00	3.15
Domestic Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Irrigation	0.00	0.31	0.00	0.31	0.00	0.00	0.28
Livestock	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial	5.34	0.00	0.00	5.34	0.00	0.00	0.00
Fossil Fuel Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Québec

Data Source: Water use data was provided by the Ministère du Développement durable, de l'Environnement et des Parcs—Centre d'expertise hydrique du Québec for this report. The Centre has compiled water use data primarily to support hydrologic and hydraulic research, floodplain delineation and hydrometric network management. Data from 1993 is being used for this report until a proposed regulation to support collection of water withdrawal data is adopted. The adoption of the regulation is expected in the fall of 2009. Please contact Julie Cyr at 418/521-3885 #7076 or Julie.cyr@mddep.gouv.qc.ca with questions regarding Québec's data. See the following page for an update on the status of water quantity management in Québec.

Withdrawals: Total use from Québec's St. Lawrence River basin was approximately 1,155 bld (305 bgd). Nearly 100 percent of these uses were for hydroelectric power purposes.

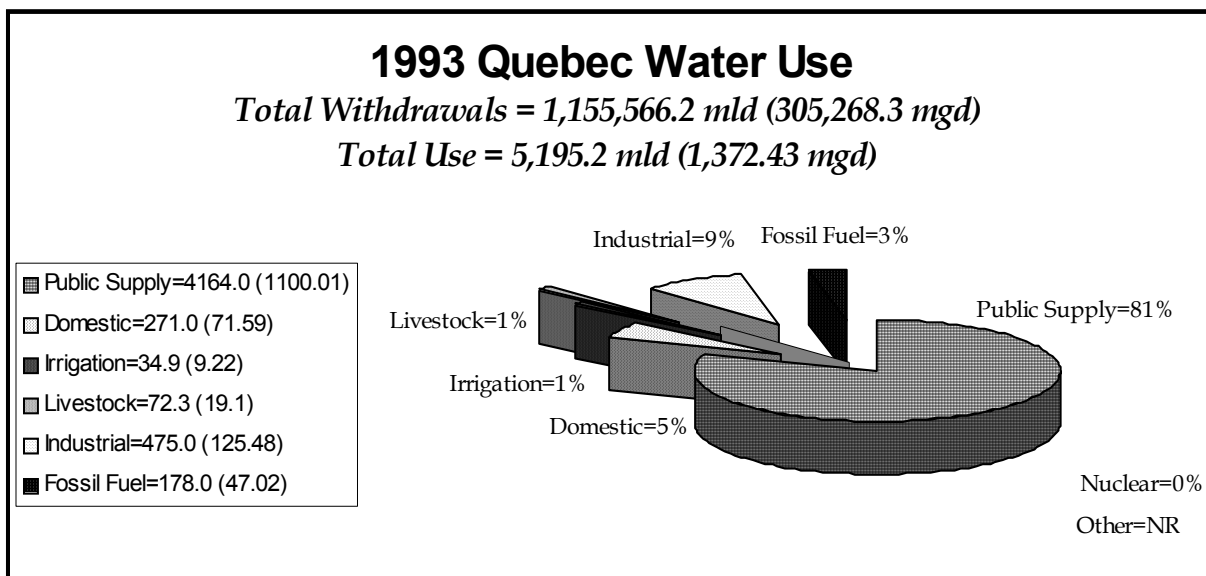


Figure 13

Consumptive Use: Total consumptive use was 597.5 mld (157.9 mgd). Public supply accounted for 416 mld (109.9 mgd), or nearly 70 percent of the total consumptive use.

Diversions: Diversions are currently being inventoried.

Data Quality: Québec's withdrawal data for this report were 99 percent measured. 1 percent was partially measured, calculated or estimated. The level of aggregation was 100 percent aggregated.

Historically, water withdrawals have not been a source of great conflict in Québec; however, water shortage caused by severe drought and increasing demands for water withdrawal have brought the problem to the forefront. Since the adoption of a Water Policy by Québec's National Assembly in 2002, existing regulations have been amended to improve water management. One of the guiding principles is that users must be accountable for the utilization and degradation of water by means of a user-pays and polluter-pays approach. In June 2009, Québec adopted *an Act to affirm the collective nature of water resources and provide for increased water resource protection*. This new legislation will enable Québec to implement the Agreement on its territory and to fulfill its commitments. Under this act, regulations support the collection of water withdrawal data. It will also allow Québec to meet the requirements of Article 301 of the Great Lakes-St. Lawrence River Basin Sustainable Water Resources Agreement.

(See http://www.mddep.gouv.qc.ca/eau/protection/index_en.htm for highlights and the complete text.)

JURISDICTION REPORT- Quebec

Withdrawals, Diversions and Consumptive Uses Units: Mgal(US)/d
Year Of Data: 2006

Basin	Category	All Facilities			Principal Facilities		
		Withdr.	Inter-Basin Diver.	Consum.	Withdr.	Inter-Basin Diver.	Consum.
St. Lawrence River							
	Public Supply	1100.01	0.00	109.90	1096.05	0.00	109.63
	Domestic Supply	71.59	0.00	7.13	48.61	0.00	4.76
	Irrigation	9.22	0.00	8.30		0.00	
	Livestock	19.10	0.00	15.28		0.00	
	Industrial	125.48	0.00	12.55	124.95	0.00	12.50
	Fossil Fuel Power	47.02	0.00	4.70	47.02	0.00	4.70
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	303895.85	0.00	0.00	303895.85	0.00	0.00
	Other		0.00			0.00	
	Total:	305268.28	0.00	157.86	305212.48	0.00	131.58
Grand Total:		305268.28	0.00	157.86	305212.48	0.00	131.58

JURISDICTION REPORT- Quebec

Withdrawals by Source

Units: Mgal(US)/d

Year Of Data: 2006

Basin	Category	All Facilities			Principal Facilities		
		GLSW	OSW	GW	GLSW	OSW	GW
St. Lawrence River							
	Public Supply	602.84	497.17	0.00	602.58	493.47	0.00
	Domestic Supply	0.00	0.00	71.59	0.00	0.00	48.61
	Irrigation	0.00	0.00	9.22			
	Livestock	0.00	0.00	19.10			
	Industrial	0.00	125.48	0.00	0.00	124.95	0.00
	Fossil Fuel Power	39.10	7.93	0.00	39.10	7.93	0.00
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	170946.25	132949.60	0.00	170946.25	132949.60	0.00
	Other						
	Total:	171588.19	133580.18	99.91	171587.93	133575.95	48.61
Grand Total:		171588.19	133580.18	99.91	171587.93	133575.95	48.61

JURISDICTION REPORT- Quebec

Jurisdiction Totals

Units: Mgal(US)/d

Year Of Data: 2006

Total Report - All Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	602.84	497.17	0.00	1100.01	0.00	0.00	109.90
Domestic Supply	0.00	0.00	71.59	71.59	0.00	0.00	7.13
Irrigation	0.00	0.00	9.22	9.22	0.00	0.00	8.30
Livestock	0.00	0.00	19.10	19.10	0.00	0.00	15.28
Industrial	0.00	125.48	0.00	125.48	0.00	0.00	12.55
Fossil Fuel Power	39.10	7.93	0.00	47.02	0.00	0.00	4.70
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydroelectric Power	170946.25	132949.60	0.00	303895.85	0.00	0.00	0.00
Other					0.00	0.00	

Total Report - Principal Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	602.58	493.47	0.00	1096.05	0.00	0.00	109.63
Domestic Supply	0.00	0.00	48.61	48.61	0.00	0.00	4.76
Irrigation					0.00	0.00	
Livestock					0.00	0.00	
Industrial	0.00	124.95	0.00	124.95	0.00	0.00	12.50
Fossil Fuel Power	39.10	7.93	0.00	47.02	0.00	0.00	4.70
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydroelectric Power	170946.25	132949.60	0.00	303895.85	0.00	0.00	0.00
Other					0.00	0.00	

Wisconsin

Data Sources: Wisconsin 2006 water use data for the Lake Michigan and Lake Superior basins were submitted by the Wisconsin Department of Natural Resources—Bureau of Water Resources Management. Contact Shaili Pfeiffer at 608/267-7630 or Shaili.Pfeiffer@wisconsin.gov with questions regarding Wisconsin’s water use data.

Withdrawals: Total withdrawals were 3,569.72 mgd: 3,517.30 mgd from Lake Michigan (98.5% of the total) and 52.42 mgd from Lake Superior. Water use in the Lake Michigan basin was primarily for fossil fuel (1,725.00 mgd) and nuclear power (1,195.00 mgd)—at 49 percent and 34 percent respectively. Of the Lake Superior uses, the largest single use was for fossil fuel at 38.00 mgd at 72.5 percent.

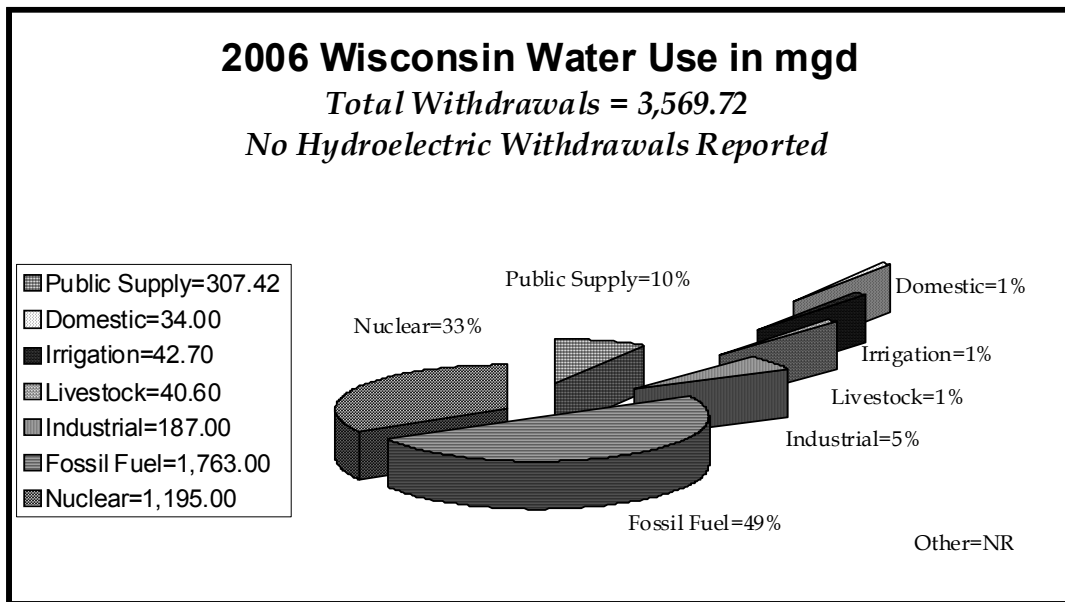


Figure 14

Consumptive Use: Consumptive uses from Wisconsin’s portion of the basin were calculated to be 134.04 mgd.

Interbasin Diversions: A withdrawal for public supply at Pleasant Prairie diverts 0.40 mgd from the Lake Michigan basin to the Mississippi River basin. A small diversion remains at the Portage Canal site, with 0.64 mgd flowing from the Wisconsin River (the Mississippi River basin) into the Fox River (the Lake Michigan basin).

Data Quality: Wisconsin’s withdrawal data for this report were 91 percent calculated or estimated and 9 percent measured; the level of aggregation was 91 percent aggregated and 9 percent site-specific.

JURISDICTION REPORT- Wisconsin

Withdrawals, Diversions Units: Mgal(US)/d
and Consumptive Uses Year Of Data: 2006

Basin	Category	All Facilities			Principal Facilities		
		Withdr.	Inter-Basin Diver.	Consum.	Withdr.	Inter-Basin Diver.	Consum.
Lake Superior							
	Public Supply	4.42	0.00	0.32			
	Domestic Supply	1.40	0.00	0.14			
	Irrigation	0.30	0.00	0.21			
	Livestock	8.30	0.00	7.47			
	Industrial		0.00				
	Fossil Fuel Power	38.00	0.00	0.19			
	Nuclear Power	0.00	0.00	0.00			
	Hydroelectric Power	0.00	0.00	0.00			
	Other		0.00				
	Total:	52.42	0.00	8.33			
Lake Michigan							
	Public Supply	303.00	0.40	33.30			
	Domestic Supply	32.60	3.26	0.00			
	Irrigation	42.40	0.00	29.68			
	Livestock	32.30	0.00	29.07			
	Industrial	187.00	0.00	19.07			
	Fossil Fuel Power	1725.00	0.00	8.62			
	Nuclear Power	1195.00	0.00	5.97			
	Hydroelectric Power	0.00	0.00	0.00			
	Other		-0.64				
	Total:	3517.30	3.02	125.71			
Grand Total:		3569.72	3.02	134.04			

JURISDICTION REPORT- Wisconsin

Withdrawals by Source

Units: Mgal(US)/d

Year Of Data: 2006

Basin	Category	All Facilities			Principal Facilities		
		GLSW	OSW	GW	GLSW	OSW	GW
Lake Superior							
	Public Supply	3.86	0.00	0.56			
	Domestic Supply	0.00	0.00	1.40			
	Irrigation	0.00	0.00	0.30			
	Livestock	0.00	0.00	8.30			
	Industrial						
	Fossil Fuel Power	38.00	0.00	0.00			
	Nuclear Power	0.00	0.00	0.00			
	Hydroelectric Power	0.00	0.00	0.00			
	Other						
	Total:	41.86	0.00	10.56			
Lake Michigan							
	Public Supply	210.00	23.00	70.00			
	Domestic Supply	0.00	0.00	32.60			
	Irrigation	0.00	0.00	42.40			
	Livestock	0.00	0.00	32.30			
	Industrial	187.00	0.00	0.00			
	Fossil Fuel Power	1725.00	0.00	0.00			
	Nuclear Power	1195.00	0.00	0.00			
	Hydroelectric Power	0.00	0.00	0.00			
	Other						
	Total:	3317.00	23.00	177.30			
Grand Total:		3358.86	23.00	187.86			

JURISDICTION REPORT- Wisconsin

Jurisdiction Totals

Units: Mgal(US)/d

Year Of Data: 2006

Total Report - All Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	213.86	23.00	70.56	307.42	0.00	0.40	33.62
Domestic Supply	0.00	0.00	34.00	34.00	0.00	3.26	0.14
Irrigation	0.00	0.00	42.70	42.70	0.00	0.00	29.89
Livestock	0.00	0.00	40.60	40.60	0.00	0.00	36.54
Industrial	187.00	0.00	0.00	187.00	0.00	0.00	19.07
Fossil Fuel Power	1763.00	0.00	0.00	1763.00	0.00	0.00	8.81
Nuclear Power	1195.00	0.00	0.00	1195.00	0.00	0.00	5.97
Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other					0.00	-0.64	

Total Report - Principal Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply							
Domestic Supply							
Irrigation							
Livestock							
Industrial							
Fossil Fuel Power							
Nuclear Power							
Hydroelectric Power							
Other							

IV. BASIN TABLES

Each basin is represented by three tables:
Withdrawals, Diversions and Consumptive Uses
Withdrawals by Source
Basin Totals

Lake Erie
Lake Huron
Lake Michigan
Lake Ontario
Lake Superior
St. Lawrence River

BASIN REPORT- Lake Erie

Withdrawals, Diversions
and Consumptive Uses

Units: Mgal(US)/d
Year Of Data: 2006

Jurisdiction	Category	All Facilities			Principal Facilities		
		Withdr.	Inter-Basin Diver.	Consum.	Withdr.	Inter-Basin Diver.	Consum.
Indiana							
	Public Supply	40.61	6.26	6.09	40.43	0.00	6.07
	Domestic Supply	6.37	0.00	0.96	0.39	0.00	0.06
	Irrigation	1.05	0.00	0.95	0.82	0.00	0.73
	Livestock	0.95	0.00	0.76	0.00	0.00	0.00
	Industrial	9.22	0.00	0.56	9.05	0.00	0.55
	Fossil Fuel Power	0.27	0.00	0.01	0.27	0.00	0.01
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00
	Other	0.00	0.00	0.00	0.00	0.00	0.00
	Total	58.47	6.26	9.33	50.96	0.00	7.42
Michigan							
	Public Supply	637.44	0.00	79.68			
	Domestic Supply	0.17	0.00	0.02			
	Irrigation	22.03	0.00	19.83			
	Livestock		0.00				
	Industrial	84.25	0.00	8.43			
	Fossil Fuel Power	4120.96	0.00	49.45			
	Nuclear Power	49.06	0.00	0.93			
	Hydroelectric Power		0.00				
	Other		0.00				
	Total	4913.91	0.00	158.34			
New York							
	Public Supply	264.03	0.00	26.40		0.00	
	Domestic Supply	22.94	0.00	2.29	0.00	0.00	0.00
	Irrigation	0.30	0.00	0.27	0.30	0.00	0.27
	Livestock	4.24	0.00	3.82		0.00	
	Industrial	171.21	0.00	42.81	170.26	0.00	42.57
	Fossil Fuel Power	822.85	0.00	16.46	822.85	0.00	16.46
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	47168.00	0.00	0.00	47168.00	0.00	0.00
	Other	0.00	0.00	0.00	0.00	0.00	0.00
	Total	48453.57	0.00	92.05	48161.41	0.00	59.30

Jurisdiction	Category	All Facilities			Principal Facilities		
		Withdr.	Inter-Basin Diver.	Consum.	Withdr.	Inter-Basin Diver.	Consum.
Ohio							
	Public Supply	551.66	0.32	82.76	547.97	0.32	82.19
	Domestic Supply	58.93	0.00	8.84	0.37	0.00	0.06
	Irrigation	13.55	0.00	12.19	11.77	0.00	10.60
	Livestock	12.45	0.00	9.96	0.96	0.00	0.77
	Industrial	303.46	0.00	30.35	302.93	0.00	30.30
	Fossil Fuel Power	2444.47	0.00	24.45	2444.46	0.00	24.45
	Nuclear Power	152.48	0.00	15.25	152.48	0.00	15.25
	Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00
	Other	2.42	-9.97	1.36	2.25	-9.97	1.36
	Total	3539.42	-9.65	185.16	3463.19	-9.65	164.98
Ontario							
	Public Supply	93.89	0.00	14.08	92.84	0.00	13.92
	Domestic Supply	19.94	0.00	2.99	0.00	0.00	0.00
	Irrigation	31.85	0.00			0.00	
	Livestock	13.22	0.00			0.00	
	Industrial	180.45	0.00	11.37	0.00	0.00	0.00
	Fossil Fuel Power	463.20	0.00	0.00	0.00	0.00	0.00
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00
	Other		0.00			0.00	
	Total	802.56	0.00	28.44	92.84	0.00	13.92
Pennsylvania							
	Public Supply	31.53	0.00	3.15	31.53	0.00	3.15
	Domestic Supply	0.00	0.00		0.00	0.00	0.00
	Irrigation	0.31	0.00	0.28	0.31	0.00	0.28
	Livestock		0.00		0.00	0.00	0.00
	Industrial	5.34	0.00		5.34	0.00	0.00
	Fossil Fuel Power		0.00		0.00	0.00	0.00
	Nuclear Power	0.00	0.00		0.00	0.00	0.00
	Hydroelectric Power	0.00	0.00		0.00	0.00	0.00
	Other		0.00		0.00	0.00	0.00
	Total	37.19	0.00	3.43	37.19	0.00	3.43
Grand Total:		57805.12	-3.39	476.75	51805.58	-9.65	249.06

BASIN REPORT- Lake Erie

Units: Mgal(US)/d
 Withdrawals by Source
 Year Of Data: 2006

Jurisdiction	Category	All Facilities			Principle Facilities		
		GLSW	OSW	GW	GLSW	OSW	GW
Indiana							
	Public Supply	0.00	31.32	9.29	0.00	31.32	9.11
	Domestic Supply	0.00	0.00	6.37	0.00	0.00	0.39
	Irrigation	0.00	0.28	0.77	0.00	0.16	0.66
	Livestock	0.00	0.00	0.95	0.00	0.00	0.00
	Industrial	0.00	3.61	5.61	0.00	3.61	5.44
	Fossil Fuel Power	0.00	0.00	0.27	0.00	0.00	0.27
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00
	Other	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL	0.00	35.21	23.26	0.00	35.09	15.87
Michigan							
	Public Supply	580.58	16.06	40.81			
	Domestic Supply	0.00	0.00	0.17			
	Irrigation	0.44	11.99	9.61			
	Livestock						
	Industrial	33.55	20.84	29.86			
	Fossil Fuel Power	4006.42	114.44	0.11			
	Nuclear Power	49.06	0.00	0.00			
	Hydroelectric Power						
	Other						
	TOTAL	4670.04	163.32	80.55			
New York							
	Public Supply	184.58	72.12	7.33			
	Domestic Supply	12.33	0.00	10.61	0.00	0.00	0.00
	Irrigation	0.23	0.07	0.00	0.23	0.07	0.00
	Livestock	1.51	0.00	2.73			
	Industrial	170.22	0.95	0.04	170.22	0.00	0.04
	Fossil Fuel Power	822.85	0.00	0.00	822.85	0.00	0.00
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	47168.00	0.00	0.00	47168.00	0.00	0.00
	Other	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL	48359.72	73.14	20.71	48161.30	0.07	0.04

Jurisdiction	Category	All Facilities			Principle Facilities		
		GLSW	OSW	GW	GLSW	OSW	GW
Ohio							
	Public Supply	408.95	108.83	33.88	408.95	108.50	30.52
	Domestic Supply	0.37	0.07	58.49	0.37	0.00	0.00
	Irrigation	0.26	11.00	2.29	0.24	9.92	1.61
	Livestock	0.00	1.76	10.69	0.00	0.00	0.96
	Industrial	56.38	187.88	59.20	56.38	187.67	58.88
	Fossil Fuel Power	1694.90	749.57	0.00	1694.89	749.57	0.00
	Nuclear Power	152.48	0.00	0.00	152.48	0.00	0.00
	Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00
	Other	0.27	1.42	0.73	0.27	1.42	0.56
	TOTAL	2313.61	1060.53	165.28	2313.58	1057.08	92.53
Ontario							
	Public Supply	8.97	29.26	55.66	8.97	29.23	54.64
	Domestic Supply	0.00	0.00	19.94	0.00	0.00	0.00
	Irrigation	0.59	12.11	19.15			
	Livestock	0.02	0.89	12.31			
	Industrial	173.24	0.00	7.21	0.00	0.00	0.00
	Fossil Fuel Power	463.20	0.00	0.00	0.00	0.00	0.00
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00
	Other						
	TOTAL	646.02	42.26	114.27	8.97	29.23	54.64
Pennsylvania							
	Public Supply	29.41	0.64	1.49	29.41	0.64	1.49
	Domestic Supply	0.00	0.00	0.00	0.00	0.00	0.00
	Irrigation	0.00	0.31	0.00	0.00	0.31	0.00
	Livestock				0.00	0.00	0.00
	Industrial	5.34	0.00	0.00	5.34	0.00	0.00
	Fossil Fuel Power				0.00	0.00	0.00
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00
	Other				0.00	0.00	0.00
	TOTAL	34.75	0.94	1.49	34.75	0.94	1.49
Grand Total:		56024.15	1375.40	405.56	50518.60	1122.41	164.58

BASIN REPORT- Lake Erie

Basin Totals

Units: Mgal(US)/d

Year Of Data: 2006

Total Report - All Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	1212.48	258.23	148.46	1619.16	0.00	6.58	212.17
Domestic Supply	12.70	0.07	95.58	108.35	0.00	0.00	15.10
Irrigation	1.52	35.76	31.82	69.10	0.00	0.00	33.52
Livestock	1.53	2.65	26.68	30.86	0.00	0.00	14.54
Industrial	438.74	213.28	101.92	753.94	0.00	0.00	93.51
Fossil Fuel Power	6987.37	864.01	0.38	7851.76	0.00	0.00	90.37
Nuclear Power	201.54	0.00	0.00	201.54	0.00	0.00	16.18
Hydroelectric Power	47168.00	0.00	0.00	47168.00	0.00	0.00	0.00
Other	0.27	1.42	0.73	2.42	5816.39	-9.97	1.36

Total Report - Principal Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	447.32	169.68	95.77	712.77	0.00	0.32	105.34
Domestic Supply	0.37	0.00	0.39	0.76	0.00	0.00	0.12
Irrigation	0.47	10.46	2.27	13.20	0.00	0.00	11.88
Livestock	0.00	0.00	0.96	0.96	0.00	0.00	0.77
Industrial	231.94	191.28	64.36	487.58	0.00	0.00	73.42
Fossil Fuel Power	2517.74	749.57	0.27	3267.58	0.00	0.00	40.92
Nuclear Power	152.48	0.00	0.00	152.48	0.00	0.00	15.25
Hydroelectric Power	47168.00	0.00	0.00	47168.00	0.00	0.00	0.00
Other	0.27	1.42	0.56	2.25	5816.39	-9.97	1.36

BASIN REPORT- Lake Huron

Withdrawals, Diversions
and Consumptive Uses

Units: Mgal(US)/d
Year Of Data: 2006

Jurisdiction	Category	All Facilities			Principal Facilities		
		Withdr.	Inter-Basin Diver.	Consum.	Withdr.	Inter-Basin Diver.	Consum.
Michigan							
	Public Supply	125.43	0.00	15.68			
	Domestic Supply	0.01	0.00	0.00			
	Irrigation	27.47	0.00	24.72			
	Livestock		0.00				
	Industrial	77.94	0.00	7.79			
	Fossil Fuel Power	741.15	0.00	8.89			
	Nuclear Power		0.00				
	Hydroelectric Power		0.00				
	Other	0.15	0.00	0.00			
	Total	972.15	0.00	57.09			
Ontario							
	Public Supply	84.37	0.00	12.65	81.66	0.00	12.25
	Domestic Supply	10.61	0.00	1.59	0.00	0.00	0.00
	Irrigation	20.91	0.00			0.00	
	Livestock	12.41	0.00			0.00	
	Industrial	190.19	0.00	11.98	0.00	0.00	0.00
	Fossil Fuel Power	0.00	0.00	0.00	0.00	0.00	0.00
	Nuclear Power	4697.20	0.00	42.28	0.00	0.00	0.00
	Hydroelectric Power	33608.07	0.00	0.00	0.00	0.00	0.00
	Other	47.97	0.00	0.00	47.97	0.00	0.00
	Total	38671.73	0.00	68.50	129.63	0.00	12.25
Grand Total:		39643.88	0.00	125.59	129.63	0.00	12.25

BASIN REPORT- Lake Huron

Units: Mgal(US)/d
 Withdrawals by Source
 Year Of Data: 2006

Jurisdiction	Category	All Facilities			Principle Facilities		
		GLSW	OSW	GW	GLSW	OSW	GW
Michigan							
	Public Supply	94.34	0.67	30.42			
	Domestic Supply	0.00	0.00	0.01			
	Irrigation	3.35	9.37	14.75			
	Livestock						
	Industrial	13.89	38.46	25.60			
	Fossil Fuel Power	174.51	565.40	1.24			
	Nuclear Power						
	Hydroelectric Power						
	Other	0.00	0.00	0.15			
	TOTAL	286.09	613.90	72.16			
Ontario							
	Public Supply	42.66	23.57	18.14	42.02	23.23	16.40
	Domestic Supply	0.00	0.00	10.61	0.00	0.00	0.00
	Irrigation	0.15	15.41	5.35			
	Livestock	2.93	3.07	6.41			
	Industrial	187.41	0.00	2.78	0.00	0.00	0.00
	Fossil Fuel Power	0.00	0.00	0.00	0.00	0.00	0.00
	Nuclear Power	4697.20	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	20000.41	13607.66	0.00	0.00	0.00	0.00
	Other	0.00	47.97	0.00	0.00	47.97	0.00
	TOTAL	24930.76	13697.68	43.29	42.02	71.20	16.40
Grand Total:		25216.85	14311.58	115.45	42.02	71.20	16.40

BASIN REPORT- Lake Huron

Basin Totals

Units: Mgal(US)/d

Year Of Data: 2006

Total Report - All Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	137.01	24.23	48.57	209.80	0.00	0.00	28.33
Domestic Supply	0.00	0.00	10.61	10.61	0.00	0.00	1.59
Irrigation	3.51	24.78	20.10	48.38	0.00	0.00	24.72
Livestock	2.93	3.07	6.41	12.41	0.00	0.00	
Industrial	201.30	38.46	28.38	268.14	0.00	0.00	19.77
Fossil Fuel Power	174.51	565.40	1.24	741.15	0.00	0.00	8.89
Nuclear Power	4697.20	0.00	0.00	4697.20	0.00	0.00	42.28
Hydroelectric Power	20000.41	13607.66	0.00	33608.07	0.00	0.00	0.00
Other	0.00	47.97	0.15	48.12	47.97	0.00	0.00

Total Report - Principal Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	42.02	23.23	16.40	81.66	0.00	0.00	12.25
Domestic Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Irrigation					0.00	0.00	
Livestock					0.00	0.00	
Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fossil Fuel Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	47.97	0.00	47.97	47.97	0.00	0.00

BASIN REPORT- Lake Michigan

Withdrawals, Diversions
and Consumptive Uses

Units: Mgal(US)/d
Year Of Data: 2006

Jurisdiction	Category	All Facilities			Principal Facilities		
		Withdr.	Inter-Basin Diver.	Consum.	Withdr.	Inter-Basin Diver.	Consum.
Illinois							
	Public Supply	988.81	988.81	0.00	988.81	988.81	0.00
	Domestic Supply	27.52	2.50	0.00	27.52	2.50	0.00
	Irrigation		0.00		0.00	0.00	
	Livestock		0.00		0.00	0.00	
	Industrial	12.43	0.01	0.00	12.43	0.01	0.00
	Fossil Fuel Power	692.32	0.00	0.00	692.32	0.00	0.00
	Nuclear Power	31.70	0.00	0.00	31.70	0.00	0.00
	Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00
	Other	222.95	222.95	0.00	222.95	222.95	0.00
	Total	1975.73	1214.27	0.00	1975.73	1214.27	0.00
Indiana							
	Public Supply	136.90	-2.72	20.53	136.49	0.00	20.47
	Domestic Supply	47.33	0.00	7.10	24.87	0.00	3.74
	Irrigation	20.08	0.00	18.07	19.05	0.00	17.15
	Livestock	4.67	0.00	3.74	2.56	0.00	2.05
	Industrial	1658.80	0.00	99.53	1658.19	0.00	99.49
	Fossil Fuel Power	692.27	0.00	13.85	692.27	0.00	13.85
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	1782.89	0.00	0.00	1782.89	0.00	0.00
	Other	0.05	0.00	0.01	0.00	0.00	0.00
	Total	4342.99	-2.72	162.83	4316.32	0.00	156.75
Michigan							
	Public Supply	302.91	0.00				
	Domestic Supply	3.29	0.00				
	Irrigation	203.88	0.00				
	Livestock		0.00				
	Industrial	511.29	0.00				
	Fossil Fuel Power	1168.83	0.00				
	Nuclear Power	2176.72	0.00				
	Hydroelectric Power		0.00				
	Other	2.24	0.00				
	Total	4369.17	0.00				

Jurisdiction	Category	All Facilities			Principal Facilities		
		Withdr.	Inter-Basin Diver.	Consum.	Withdr.	Inter-Basin Diver.	Consum.
Wisconsin							
	Public Supply	303.00	0.40	33.30			
	Domestic Supply	32.60	3.26	0.00			
	Irrigation	42.40	0.00	42.40			
	Livestock	32.30	0.00	32.30			
	Industrial	187.00	0.00	19.07			
	Fossil Fuel Power	1725.00	0.00	8.62			
	Nuclear Power	1195.00	0.00	5.97			
	Hydroelectric Power	0.00	0.00	0.00			
	Other		-0.64				
	Total	3517.30	3.02	141.66			
Grand Total:		14205.18	1214.57	304.49	6292.05	1214.27	156.75

BASIN REPORT- Lake Michigan

Units: Mgal(US)/d
 Withdrawals by Source
 Year Of Data: 2006

Jurisdiction	Category	All Facilities			Principle Facilities		
		GLSW	OSW	GW	GLSW	OSW	GW
Illinois							
	Public Supply	988.81	0.00	0.00	988.81	0.00	0.00
	Domestic Supply	27.51	0.00	0.01	27.51	0.00	0.01
	Irrigation				0.00	0.00	0.00
	Livestock				0.00	0.00	0.00
	Industrial	12.43	0.00	0.00	12.43	0.00	0.00
	Fossil Fuel Power	692.32	0.00	0.00	692.32	0.00	0.00
	Nuclear Power	31.70	0.00	0.00	31.70	0.00	0.00
	Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00
	Other	222.95	0.00	0.00	222.95	0.00	0.00
	TOTAL	1975.71	0.00	0.01	1975.71	0.00	0.01

Indiana							
	Public Supply	89.62	0.00	47.28	89.62	0.00	46.87
	Domestic Supply	0.00	17.78	29.55	0.00	17.77	7.10
	Irrigation	0.00	4.08	16.00	0.00	3.69	15.36
	Livestock	0.00	1.25	3.42	0.00	1.25	1.31
	Industrial	1648.11	3.90	6.79	1648.07	3.87	6.25
	Fossil Fuel Power	692.27	0.00	0.00	692.27	0.00	0.00
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	0.00	1782.89	0.00	0.00	1782.89	0.00
	Other	0.00	0.00	0.05	0.00	0.00	0.00
	TOTAL	2430.00	1809.90	103.09	2429.96	1809.47	76.89

Michigan							
	Public Supply	136.88	0.47	165.56			
	Domestic Supply	0.00	1.26	2.03			
	Irrigation	1.99	62.51	139.38			
	Livestock						
	Industrial	297.89	148.60	64.80			
	Fossil Fuel Power	651.94	471.44	45.45			
	Nuclear Power	2176.72	0.00	0.00			
	Hydroelectric Power						
	Other	0.00	0.00	2.24			
	TOTAL	3265.42	684.28	419.46			

Jurisdiction	Category	All Facilities			Principle Facilities		
		GLSW	OSW	GW	GLSW	OSW	GW
Wisconsin							
	Public Supply	210.00	23.00	70.00			
	Domestic Supply	0.00	0.00	32.60			
	Irrigation	0.00	0.00	42.40			
	Livestock	0.00	0.00	32.30			
	Industrial	187.00	0.00	0.00			
	Fossil Fuel Power	1725.00	0.00	0.00			
	Nuclear Power	1195.00	0.00	0.00			
	Hydroelectric Power	0.00	0.00	0.00			
	Other						
	TOTAL	3317.00	23.00	177.30			
Grand Total:		10988.13	2517.18	699.87	4405.67	1809.47	76.90

BASIN REPORT- Lake Michigan

Basin Totals

Units: Mgal(US)/d

Year Of Data: 2006

Total Report - All Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	1425.30	23.47	282.84	1731.61	0.00	986.49	53.83
Domestic Supply	27.51	19.04	64.19	110.74	0.00	5.76	7.10
Irrigation	1.99	66.59	197.78	266.36	0.00	0.00	60.47
Livestock	0.00	1.25	35.72	36.97	0.00	0.00	36.04
Industrial	2145.43	152.50	71.59	2369.52	0.00	0.01	118.60
Fossil Fuel Power	3761.53	471.44	45.45	4278.42	0.00	0.00	22.47
Nuclear Power	3403.42	0.00	0.00	3403.42	0.00	0.00	5.97
Hydroelectric Power	0.00	1782.89	0.00	1782.89	0.00	0.00	0.00
Other	222.95	0.00	2.29	225.25	0.00	222.31	0.01

Total Report - Principal Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	1078.43	0.00	46.87	1125.30	0.00	988.81	20.47
Domestic Supply	27.51	17.77	7.11	52.39	0.00	2.50	3.74
Irrigation	0.00	3.69	15.36	19.05	0.00	0.00	17.15
Livestock	0.00	1.25	1.31	2.56	0.00	0.00	2.05
Industrial	1660.50	3.87	6.25	1670.62	0.00	0.01	99.49
Fossil Fuel Power	1384.59	0.00	0.00	1384.59	0.00	0.00	13.85
Nuclear Power	31.70	0.00	0.00	31.70	0.00	0.00	0.00
Hydroelectric Power	0.00	1782.89	0.00	1782.89	0.00	0.00	0.00
Other	222.95	0.00	0.00	222.95	0.00	222.95	0.00

BASIN REPORT- Lake Ontario

Withdrawals, Diversions
and Consumptive Uses

Units: Mgal(US)/d
Year Of Data: 2006

Jurisdiction	Category	All Facilities			Principal Facilities		
		Withdr.	Inter-Basin Diver.	Consum.	Withdr.	Inter-Basin Diver.	Consum.
New York							
	Public Supply	390.27	9.59	39.03		9.59	0.00
	Domestic Supply	91.17	0.00	9.12	29.28	0.00	2.93
	Irrigation	3.92	0.00	3.53	3.92	0.00	3.53
	Livestock	11.03	0.00	9.92		0.00	6.45
	Industrial	65.68	0.00	16.42	65.68	0.00	16.42
	Fossil Fuel Power	846.83	0.00	16.93	846.83	0.00	16.93
	Nuclear Power	1395.65	0.00	69.78	1395.65	0.00	69.78
	Hydroelectric Power	80908.00	0.00	0.00	0.00	0.00	0.00
	Other	39.44	32.00	32.77	7.44	32.00	0.01
	Total	83751.99	41.59	197.50	2348.80	41.59	116.05
Ontario							
	Public Supply	465.93	0.00	69.89	464.62	0.00	69.69
	Domestic Supply	64.17	0.00	9.63	0.00	0.00	0.00
	Irrigation	17.73	0.00			0.00	
	Livestock	5.40	0.00			0.00	
	Industrial	229.64	0.00	14.47	0.00	0.00	0.00
	Fossil Fuel Power	708.95	0.00	0.00	0.00	0.00	0.00
	Nuclear Power	5428.19	0.00	48.85	0.00	0.00	0.00
	Hydroelectric Power	41542.31	0.00	0.00	0.00	0.00	0.00
	Other	132.35	0.00	0.00	132.35	0.00	0.00
	Total	48594.67	0.00	142.84	596.97	0.00	69.69
Pennsylvania							
	Public Supply		0.00			0.00	
	Domestic Supply		0.00			0.00	
	Irrigation		0.00			0.00	
	Livestock		0.00			0.00	
	Industrial		0.00			0.00	
	Fossil Fuel Power		0.00			0.00	
	Nuclear Power		0.00			0.00	
	Hydroelectric Power		0.00			0.00	
	Other		0.00			0.00	
	Total		0.00			0.00	
Grand Total:		132346.66	41.59	340.34	2945.77	41.59	185.74

BASIN REPORT- Lake Ontario

Units: Mgal(US)/d
 Withdrawals by Source
 Year Of Data: 2006

Jurisdiction	Category	All Facilities			Principle Facilities		
		GLSW	OSW	GW	GLSW	OSW	GW
New York							
	Public Supply	187.28	170.51	32.48			
	Domestic Supply	21.10	29.28	40.79	0.00	29.28	0.00
	Irrigation	0.00	3.75	0.17	0.00	3.75	0.17
	Livestock	3.86	0.00	7.17			
	Industrial	21.88	33.99	9.81	21.88	33.99	9.81
	Fossil Fuel Power	458.12	388.71	0.00	458.12	388.71	0.00
	Nuclear Power	1395.65	0.00	0.00	1395.65	0.00	0.00
	Hydroelectric Power	0.00	80908.00	0.00	0.00	0.00	0.00
	Other	0.00	39.33	0.11	0.00	7.33	0.11
	TOTAL	2087.89	81573.57	90.53	1875.65	463.06	10.09
Ontario							
	Public Supply	401.52	52.86	11.56	401.47	52.68	10.47
	Domestic Supply	0.00	0.00	64.17	0.00	0.00	0.00
	Irrigation	1.08	9.53	7.12			
	Livestock	0.00	0.94	4.46			
	Industrial	218.17	0.00	11.46	0.00	0.00	0.00
	Fossil Fuel Power	708.95	0.00	0.00	0.00	0.00	0.00
	Nuclear Power	5428.19	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	33861.04	7681.26	0.00	0.00	0.00	0.00
	Other	0.00	132.35	0.00	0.00	132.35	0.00
	TOTAL	40618.96	7876.94	98.77	401.47	185.03	10.47
Pennsylvania							
	Public Supply						
	Domestic Supply						
	Irrigation						
	Livestock						
	Industrial						
	Fossil Fuel Power						
	Nuclear Power						
	Hydroelectric Power						
	Other						
	TOTAL						
Grand Total:		42706.85	89450.51	189.30	2277.12	648.09	20.56

BASIN REPORT- Lake Ontario

Basin Totals

Units: Mgal(US)/d

Year Of Data: 2006

Total Report - All Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	588.80	223.37	44.04	856.20	0.00	9.59	108.92
Domestic Supply	21.10	29.28	104.96	155.34	0.00	0.00	18.75
Irrigation	1.08	13.28	7.29	21.65	0.00	0.00	3.53
Livestock	3.86	0.94	11.63	16.43	0.00	0.00	9.92
Industrial	240.05	33.99	21.27	295.32	0.00	0.00	30.89
Fossil Fuel Power	1167.07	388.71	0.00	1555.78	0.00	0.00	16.93
Nuclear Power	6823.84	0.00	0.00	6823.84	0.00	0.00	118.63
Hydroelectric Power	33861.04	88589.26	0.00	122450.31	0.00	0.00	0.00
Other	0.00	171.68	0.11	171.79	-5802.39	32.00	32.77

Total Report - Principal Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	401.47	52.68	10.47	464.62	0.00	9.59	69.69
Domestic Supply	0.00	29.28	0.00	29.28	0.00	0.00	2.93
Irrigation	0.00	3.75	0.17	3.92	0.00	0.00	3.53
Livestock					0.00	0.00	6.45
Industrial	21.88	33.99	9.81	65.68	0.00	0.00	16.42
Fossil Fuel Power	458.12	388.71	0.00	846.83	0.00	0.00	16.93
Nuclear Power	1395.65	0.00	0.00	1395.65	0.00	0.00	69.78
Hydroelectric Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	139.68	0.11	139.79	-5802.39	32.00	0.01

BASIN REPORT - Lake Superior

Withdrawals, Diversions
and Consumptive Uses

Units: Mgal(US)/d
Year Of Data: 2006

Jurisdiction	Category	All Facilities			Principal Facilities		
		Withdr.	Inter-Basin Diver.	Consum.	Withdr.	Inter-Basin Diver.	Consum.
Michigan							
	Public Supply	11.61	0.00				
	Domestic Supply		0.00				
	Irrigation	0.35	0.00				
	Livestock		0.00				
	Industrial	12.58	0.00				
	Fossil Fuel Power	270.10	0.00				
	Nuclear Power		0.00				
	Hydroelectric Power		0.00				
	Other		0.00				
	Total	294.65	0.00				
Minnesota							
	Public Supply	40.44	0.00	4.05	40.13	0.00	4.02
	Domestic Supply	1.08	0.00	0.10	1.03	0.00	0.10
	Irrigation	0.64	0.00	0.57	0.25	0.00	0.22
	Livestock	0.80	0.00	0.72	0.75	0.00	0.67
	Industrial	361.06	0.00	36.10	360.73	0.00	36.07
	Fossil Fuel Power	181.93	0.00	3.63	181.91	0.00	3.63
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	2645.73	0.00	0.00	2645.73	0.00	0.00
	Other	0.11	0.00	0.00	0.00	0.00	0.00
	Total	3231.79	0.00	45.17	3230.53	0.00	44.71
Ontario							
	Public Supply	45.77	0.00	6.87	45.58	0.00	6.84
	Domestic Supply	1.75	0.00	0.26	0.00	0.00	0.00
	Irrigation	0.37	0.00			0.00	
	Livestock	0.14	0.00			0.00	
	Industrial	162.12	0.00	10.21	0.00	0.00	0.00
	Fossil Fuel Power	295.52	0.00	0.00	0.00	0.00	0.00
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	38156.31	-4007.75	0.00	0.00	0.00	0.00
	Other		0.00			0.00	
	Total	38661.99	-4007.75	17.34	45.58	0.00	6.84

Jurisdiction	Category	All Facilities			Principal Facilities		
		Withdr.	Inter-Basin Diver.	Consum.	Withdr.	Inter-Basin Diver.	Consum.
Wisconsin							
	Public Supply	4.42	0.00	0.32			
	Domestic Supply	1.40	0.00	0.14			
	Irrigation	0.30	0.00	0.30			
	Livestock	8.30	0.00	8.30			
	Industrial		0.00				
	Fossil Fuel Power	38.00	0.00	0.19			
	Nuclear Power	0.00	0.00	0.00			
	Hydroelectric Power	0.00	0.00	0.00			
	Other		0.00				
	Total	52.42	0.00	9.25			
Grand Total:		42240.85	-4007.75	71.76	3276.11	0.00	51.55

BASIN REPORT- Lake Superior

Units: Mgal(US)/d
 Withdrawals by Source
 Year Of Data: 2006

Jurisdiction	Category	All Facilities			Principle Facilities		
		GLSW	OSW	GW	GLSW	OSW	GW
Michigan							
	Public Supply	3.86	0.00	7.75			
	Domestic Supply						
	Irrigation	0.00	0.11	0.24			
	Livestock						
	Industrial	12.44	0.00	0.14			
	Fossil Fuel Power	270.10	0.00	0.00			
	Nuclear Power						
	Hydroelectric Power						
	Other						
	TOTAL	286.41	0.11	8.13			
Minnesota							
	Public Supply	32.26	2.09	6.09	32.20	2.06	5.87
	Domestic Supply	0.73	0.34	0.01	0.69	0.34	0.00
	Irrigation	0.09	0.48	0.07	0.00	0.25	0.00
	Livestock	0.80	0.00	0.00	0.75	0.00	0.00
	Industrial	297.71	63.32	0.03	297.64	63.09	0.00
	Fossil Fuel Power	46.22	135.58	0.13	46.21	135.58	0.12
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	0.00	2645.73	0.00	0.00	2645.73	0.00
	Other	0.00	0.00	0.11	0.00	0.00	0.00
	TOTAL	377.81	2847.54	6.44	377.49	2847.05	5.99
Ontario							
	Public Supply	30.10	13.03	2.65	30.07	12.96	2.55
	Domestic Supply	0.00	0.00	1.75	0.00	0.00	0.00
	Irrigation	0.02	0.31	0.05			
	Livestock	0.00	0.14	0.00			
	Industrial	162.12	0.00	0.00	0.00	0.00	0.00
	Fossil Fuel Power	295.52	0.00	0.00	0.00	0.00	0.00
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	0.00	38156.31	0.00	0.00	0.00	0.00
	Other						
	TOTAL	487.76	38169.79	4.44	30.07	12.96	2.55

Jurisdiction	Category	All Facilities			Principle Facilities		
		GLSW	OSW	GW	GLSW	OSW	GW
Wisconsin							
	Public Supply	3.86	0.00	0.56			
	Domestic Supply	0.00	0.00	1.40			
	Irrigation	0.00	0.00	0.30			
	Livestock	0.00	0.00	8.30			
	Industrial						
	Fossil Fuel Power	38.00	0.00	0.00			
	Nuclear Power	0.00	0.00	0.00			
	Hydroelectric Power	0.00	0.00	0.00			
	Other						
	TOTAL	41.86	0.00	10.56			
Grand Total:		1193.84	41017.44	29.57	407.56	2860.01	8.54

BASIN REPORT- Lake Superior

Basin Totals

Units: Mgal(US)/d

Year Of Data: 2006

Total Report - All Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	70.08	15.12	17.05	102.24	0.00	0.00	11.24
Domestic Supply	0.73	0.34	3.16	4.23	0.00	0.00	0.50
Irrigation	0.12	0.90	0.65	1.67	0.00	0.00	0.87
Livestock	0.80	0.14	8.30	9.24	0.00	0.00	9.02
Industrial	472.27	63.32	0.17	535.76	0.00	0.00	46.31
Fossil Fuel Power	649.84	135.58	0.13	785.55	0.00	0.00	3.82
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydroelectric Power	0.00	40802.04	0.00	40802.04	0.00	-4007.75	0.00
Other	0.00	0.00	0.11	0.11	0.00	0.00	0.00

Total Report - Principal Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	62.27	15.02	8.42	85.71	0.00	0.00	10.86
Domestic Supply	0.69	0.34	0.00	1.03	0.00	0.00	0.10
Irrigation	0.00	0.25	0.00	0.25	0.00	0.00	0.22
Livestock	0.75	0.00	0.00	0.75	0.00	0.00	0.67
Industrial	297.64	63.09	0.00	360.73	0.00	0.00	36.07
Fossil Fuel Power	46.21	135.58	0.12	181.91	0.00	0.00	3.63
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydroelectric Power	0.00	2645.73	0.00	2645.73	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00

BASIN REPORT- St. Lawrence River

Withdrawals, Diversions
and Consumptive Uses

Units: Mgal(US)/d
Year Of Data: 2006

Jurisdiction	Category	All Facilities			Principal Facilities		
		Withdr.	Inter-Basin Diver.	Consum.	Withdr.	Inter-Basin Diver.	Consum.
New York							
	Public Supply	39.69	0.00	3.98		0.00	
	Domestic Supply	15.16	0.00	1.52	0.49	0.00	0.05
	Irrigation	0.00	0.00	0.00	0.00	0.00	0.00
	Livestock	5.07	0.00	4.56		0.00	
	Industrial	15.01	0.00	3.76	15.01	0.00	3.76
	Fossil Fuel Power	0.02	0.00	0.00	0.02	0.00	0.00
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	179719.00	0.00	0.00	81027.00	0.00	0.00
	Other	4.14	0.00	0.41	4.14	0.00	0.41
	Total	179798.09	0.00	14.23	81046.66	0.00	4.22
Ontario							
	Public Supply	73.03	0.00	10.96	72.08	0.00	10.82
	Domestic Supply	11.45	0.00	1.72	0.00	0.00	0.00
	Irrigation	2.35	0.00			0.00	
	Livestock	5.91	0.00			0.00	
	Industrial	160.81	0.00	10.13	0.00	0.00	0.00
	Fossil Fuel Power	0.00	0.00	0.00	0.00	0.00	0.00
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	76235.15	0.00	0.00	0.00	0.00	0.00
	Other	19.28	0.00	0.00	19.28	0.00	0.00
	Total	76507.99	0.00	22.80	91.37	0.00	10.82
Quebec							
	Public Supply	1100.01	0.00	109.90	1096.05	0.00	109.63
	Domestic Supply	71.59	0.00	7.13	48.61	0.00	4.76
	Irrigation	9.22	0.00	8.30		0.00	
	Livestock	19.10	0.00	15.28		0.00	
	Industrial	125.48	0.00	12.55	124.95	0.00	12.50
	Fossil Fuel Power	47.02	0.00	4.70	47.02	0.00	4.70
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	303895.85	0.00	0.00	303895.85	0.00	0.00
	Other		0.00			0.00	
	Total	305268.28	0.00	157.86	305212.48	0.00	131.58
Grand Total:		561574.35	0.00	194.89	386350.51	0.00	146.62

BASIN REPORT- St. Lawrence River

Units: Mgal(US)/d
 Withdrawals by Source
 Year Of Data: 2006

Jurisdiction	Category	All Facilities			Principle Facilities		
		GLSW	OSW	GW	GLSW	OSW	GW
New York							
	Public Supply	2.86	32.47	4.36			
	Domestic Supply	2.55	0.49	12.12	0.00	0.49	0.00
	Irrigation	0.00	0.00	0.00	0.00	0.00	0.00
	Livestock	1.77	0.00	3.30			
	Industrial	4.90	6.92	3.19	4.90	6.92	3.19
	Fossil Fuel Power	0.02	0.00	0.00	0.02	0.00	0.00
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	81027.00	98692.00	0.00	81027.00	0.00	0.00
	Other	0.00	4.14	0.00	0.00	4.14	0.00
	TOTAL	81039.10	98736.02	22.97	81031.92	11.55	3.19
Ontario							
	Public Supply	10.64	58.84	3.56	10.64	58.52	2.93
	Domestic Supply	0.00	0.00	11.45	0.00	0.00	0.00
	Irrigation	0.01	2.04	0.30			
	Livestock	0.00	3.63	2.28			
	Industrial	159.76	0.00	1.05	0.00	0.00	0.00
	Fossil Fuel Power	0.00	0.00	0.00	0.00	0.00	0.00
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	76149.02	86.13	0.00	0.00	0.00	0.00
	Other	0.00	19.28	0.00	0.00	19.28	0.00
	TOTAL	76319.43	169.91	18.65	10.64	77.80	2.93
Quebec							
	Public Supply	602.84	497.17	0.00	602.58	493.47	0.00
	Domestic Supply	0.00	0.00	71.59	0.00	0.00	48.61
	Irrigation	0.00	0.00	9.22			
	Livestock	0.00	0.00	19.10			
	Industrial	0.00	125.48	0.00	0.00	124.95	0.00
	Fossil Fuel Power	39.10	7.93	0.00	39.10	7.93	0.00
	Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00
	Hydroelectric Power	170946.25	132949.60	0.00	170946.25	132949.60	0.00
	Other						
	TOTAL	171588.19	133580.18	99.91	171587.93	133575.95	48.61
Grand Total:		328946.72	232486.11	141.53	252630.49	133665.30	54.72

BASIN REPORT- St. Lawrence River

Basin Totals

Units: Mgal(US)/d

Year Of Data: 2006

Total Report - All Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	616.34	588.48	7.92	1212.73	0.00	0.00	124.83
Domestic Supply	2.55	0.49	95.16	98.20	0.00	0.00	10.37
Irrigation	0.01	2.04	9.52	11.57	0.00	0.00	8.30
Livestock	1.77	3.63	24.68	30.08	0.00	0.00	19.84
Industrial	164.66	132.40	4.24	301.30	0.00	0.00	26.44
Fossil Fuel Power	39.12	7.93	0.00	47.04	0.00	0.00	4.70
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydroelectric Power	328122.28	231727.72	0.00	559850.00	0.00	0.00	0.00
Other	0.00	23.42	0.00	23.42	0.00	0.00	0.41

Total Report - Principal Facilities

Category	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Public Supply	613.22	551.99	2.93	1168.13	0.00	0.00	120.45
Domestic Supply	0.00	0.49	48.61	49.10	0.00	0.00	4.81
Irrigation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Livestock					0.00	0.00	
Industrial	4.90	131.87	3.19	139.96	0.00	0.00	16.26
Fossil Fuel Power	39.12	7.93	0.00	47.04	0.00	0.00	4.70
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydroelectric Power	251973.25	132949.60	0.00	384922.85	0.00	0.00	0.00
Other	0.00	23.42	0.00	23.42	0.00	0.00	0.41

V. WATER USE CATEGORY TABLES

Each water use category is represented by two tables:

Water Use by Jurisdiction

Water Use by Basin

Public Supply-Domestic & Industrial

Self Supply-Domestic

Self Supply – Irrigation

Self Supply-Livestock

Self Supply-Industrial

Self Supply-Thermoelectric Power, Fossil Fuel

Self Supply-Thermoelectric Power, Nuclear Power

Self Supply-Hydroelectric Power

Self Supply-Other

WATER-USE CATEGORY REPORT - Public Supply

Units: Mgal(US)/d

Year Of Data: 2006

Water-Use by Jurisdiction - All Facilities

Jurisdiction	Withdrawals			TOTAL	Diversions		Consumptive Use
	GLSW	OSW	GW		Intrabasin	Interbasin	
Illinois	988.81	0.00	0.00	988.81	0.00	988.81	0.00
Indiana	89.62	31.32	56.57	177.51	0.00	3.54	26.62
Michigan	815.66	17.19	244.54	1077.39	0.00	0.00	134.67
Minnesota	32.26	2.09	6.09	40.44	0.00	0.00	4.05
New York	374.72	275.10	44.17	693.99	0.00	9.59	69.41
Ohio	408.95	108.83	33.88	551.66	0.00	0.32	82.76
Ontario	493.88	177.55	91.57	763.00	0.00	0.00	114.45
Pennsylvania	29.41	0.64	1.49	31.53	0.00	0.00	3.15
Quebec	602.84	497.17	0.00	1100.01	0.00	0.00	109.90
Wisconsin	213.86	23.00	70.56	307.42	0.00	0.40	33.62

Water-Use by Jurisdiction - Principal Facilities

Jurisdiction	Withdrawals			TOTAL	Diversions		Consumptive Use
	GLSW	OSW	GW		Intrabasin	Interbasin	
Illinois	988.81	0.00	0.00	988.81	0.00	988.81	0.00
Indiana	89.62	31.32	55.98	176.92	0.00	0.00	26.54
Michigan							
Minnesota	32.20	2.06	5.87	40.13	0.00	0.00	4.02
New York					0.00	9.59	0.00
Ohio	408.95	108.50	30.52	547.97	0.00	0.32	82.19
Ontario	493.17	176.61	87.00	756.78	0.00	0.00	113.52
Pennsylvania	29.41	0.64	1.49	31.53	0.00	0.00	3.15
Quebec	602.58	493.47	0.00	1096.05	0.00	0.00	109.63
Wisconsin							

WATER-USE CATEGORY REPORT - Public Supply

Units: Mgal(US)/d

Year Of Data: 2006

Water-Use by Basin - All Facilities

Basin	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Lake Superior	70.08	15.12	17.05	102.24	0.00	0.00	12.69
Lake Michigan	1425.30	23.47	282.84	1731.61	0.00	986.49	91.69
Lake Huron	137.01	24.23	48.57	209.80	0.00	0.00	28.33
Lake Erie	1212.48	258.23	148.46	1619.16	0.00	6.58	212.17
Lake Ontario	588.80	223.37	44.04	856.20	0.00	9.59	108.92
St. Lawrence River	616.34	588.48	7.92	1212.73	0.00	0.00	124.83

Water-Use by Basin - Principal Facilities

Basin	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Lake Superior	62.27	15.02	8.42	85.71	0.00	0.00	10.86
Lake Michigan	1078.43	0.00	46.87	1125.30	0.00	988.81	20.47
Lake Huron	42.02	23.23	16.40	81.66	0.00	0.00	12.25
Lake Erie	447.32	169.68	95.77	712.77	0.00	0.32	105.34
Lake Ontario	401.47	52.68	10.47	464.62	0.00	9.59	69.69
St. Lawrence River	613.22	551.99	2.93	1168.13	0.00	0.00	120.45

WATER-USE CATEGORY REPORT - Domestic Supply

Units: Mgal(US)/d

Year Of Data: 2006

Water-Use by Jurisdiction - All Facilities

Jurisdiction	Withdrawals			TOTAL	Diversions		Consumptive Use
	GLSW	OSW	GW		Intrabasin	Interbasin	
Illinois	27.51	0.00	0.01	27.52	0.00	2.50	0.00
Indiana	0.00	17.78	35.92	53.70	0.00	0.00	8.06
Michigan	0.00	1.26	2.20	3.46	0.00	0.00	
Minnesota	0.73	0.34	0.01	1.08	0.00	0.00	0.10
New York	35.98	29.77	63.52	129.27	0.00	0.00	12.93
Ohio	0.37	0.07	58.49	58.93	0.00	0.00	8.84
Ontario	0.00	0.00	107.91	107.91	0.00	0.00	16.19
Pennsylvania	0.00	0.00	0.00	0.00	0.00	0.00	
Quebec	0.00	0.00	71.59	71.59	0.00	0.00	7.13
Wisconsin	0.00	0.00	34.00	34.00	0.00	3.26	0.14

Water-Use by Jurisdiction - Principal Facilities

Jurisdiction	Withdrawals			TOTAL	Diversions		Consumptive Use
	GLSW	OSW	GW		Intrabasin	Interbasin	
Illinois	27.51	0.00	0.01	27.52	0.00	2.50	0.00
Indiana	0.00	17.77	7.49	25.26	0.00	0.00	3.80
Michigan							
Minnesota	0.69	0.34	0.00	1.03	0.00	0.00	0.10
New York	0.00	29.77	0.00	29.77	0.00	0.00	2.98
Ohio	0.37	0.00	0.00	0.37	0.00	0.00	0.06
Ontario	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pennsylvania	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quebec	0.00	0.00	48.61	48.61	0.00	0.00	4.76
Wisconsin							

WATER-USE CATEGORY REPORT - Domestic Supply

Units: Mgal(US)/d

Year Of Data: 2006

Water-Use by Basin - All Facilities

Basin	Withdrawals			TOTAL	Diversions		Consumptive Use
	GLSW	OSW	GW		Intrabasin	Interbasin	
Lake Superior	0.73	0.34	3.16	4.23	0.00	0.00	0.50
Lake Michigan	27.51	19.04	64.19	110.74	0.00	5.76	7.10
Lake Huron	0.00	0.00	10.61	10.61	0.00	0.00	1.59
Lake Erie	12.70	0.07	95.58	108.35	0.00	0.00	15.08
Lake Ontario	21.10	29.28	104.96	155.34	0.00	0.00	18.75
St. Lawrence River	2.55	0.49	95.16	98.20	0.00	0.00	10.37

Water-Use by Basin - Principal Facilities

Basin	Withdrawals			TOTAL	Diversions		Consumptive Use
	GLSW	OSW	GW		Intrabasin	Interbasin	
Lake Superior	0.69	0.34	0.00	1.03	0.00	0.00	0.10
Lake Michigan	27.51	17.77	7.11	52.39	0.00	2.50	3.74
Lake Huron	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lake Erie	0.37	0.00	0.39	0.76	0.00	0.00	0.12
Lake Ontario	0.00	29.28	0.00	29.28	0.00	0.00	2.93
St. Lawrence River	0.00	0.49	48.61	49.10	0.00	0.00	4.81

WATER-USE CATEGORY REPORT - Irrigation

Units: Mgal(US)/d

Year Of Data: 2006

Water-Use by Jurisdiction - All Facilities

Jurisdiction	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Illinois					0.00	0.00	
Indiana	0.00	4.36	16.77	21.13	0.00	0.00	19.02
Michigan	5.79	83.98	163.97	253.73	0.00	0.00	228.36
Minnesota	0.09	0.48	0.07	0.64	0.00	0.00	0.57
New York	0.23	3.82	0.17	4.22	0.00	0.00	3.80
Ohio	0.26	11.00	2.29	13.55	0.00	0.00	12.19
Ontario	1.86	39.39	31.97	73.22	0.00	0.00	
Pennsylvania	0.00	0.31	0.00	0.31	0.00	0.00	0.28
Quebec	0.00	0.00	9.22	9.22	0.00	0.00	8.30
Wisconsin	0.00	0.00	42.70	42.70	0.00	0.00	42.70

Water-Use by Jurisdiction - Principal Facilities

Jurisdiction	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Illinois	0.00	0.00	0.00	0.00	0.00	0.00	
Indiana	0.00	3.85	16.02	19.87	0.00	0.00	17.88
Michigan							
Minnesota	0.00	0.25	0.00	0.25	0.00	0.00	0.22
New York	0.23	3.82	0.17	4.22	0.00	0.00	3.80
Ohio	0.24	9.92	1.61	11.77	0.00	0.00	10.60
Ontario					0.00	0.00	
Pennsylvania	0.00	0.31	0.00	0.31	0.00	0.00	0.28
Quebec					0.00	0.00	
Wisconsin							

WATER-USE CATEGORY REPORT- Irrigation

Units: Mgal(US)/d

Year Of Data: 2006

Water-Use by Basin - All Facilities

Basin	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Lake Superior	0.12	0.90	0.65	1.67	0.00	0.00	1.19
Lake Michigan	1.99	66.59	197.78	266.36	0.00	0.00	243.96
Lake Huron	3.51	24.78	20.10	48.38	0.00	0.00	24.72
Lake Erie	1.52	35.76	31.82	69.10	0.00	0.00	33.52
Lake Ontario	1.08	13.28	7.29	21.65	0.00	0.00	3.53
St. Lawrence River	0.01	2.04	9.52	11.57	0.00	0.00	8.30

Water-Use by Basin - Principal Facilities

Basin	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Lake Superior	0.00	0.25	0.00	0.25	0.00	0.00	0.22
Lake Michigan	0.00	3.69	15.36	19.05	0.00	0.00	17.15
Lake Huron					0.00	0.00	
Lake Erie	0.47	10.46	2.27	13.20	0.00	0.00	11.88
Lake Ontario	0.00	3.75	0.17	3.92	0.00	0.00	3.53
St. Lawrence River	0.00	0.00	0.00	0.00	0.00	0.00	0.00

WATER-USE CATEGORY REPORT- Livestock

Units: Mgal(US)/d

Year Of Data: 2006

Water-Use by Jurisdiction - All Facilities

Jurisdiction	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Illinois					0.00	0.00	
Indiana	0.00	1.25	4.37	5.62	0.00	0.00	4.50
Michigan					0.00	0.00	
Minnesota	0.80	0.00	0.00	0.80	0.00	0.00	0.72
New York	7.14	0.00	13.20	20.34	0.00	0.00	18.30
Ohio	0.00	1.76	10.69	12.45	0.00	0.00	9.96
Ontario	2.95	8.67	25.47	37.09	0.00	0.00	
Pennsylvania					0.00	0.00	
Quebec	0.00	0.00	19.10	19.10	0.00	0.00	15.28
Wisconsin	0.00	0.00	40.60	40.60	0.00	0.00	40.60

Water-Use by Jurisdiction - Principal Facilities

Jurisdiction	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Illinois	0.00	0.00	0.00	0.00	0.00	0.00	
Indiana	0.00	1.25	1.31	2.56	0.00	0.00	2.05
Michigan							
Minnesota	0.75	0.00	0.00	0.75	0.00	0.00	0.67
New York					0.00	0.00	6.45
Ohio	0.00	0.00	0.96	0.96	0.00	0.00	0.77
Ontario					0.00	0.00	
Pennsylvania	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quebec					0.00	0.00	
Wisconsin							

WATER-USE CATEGORY REPORT- Livestock

Units: Mgal(US)/d

Year Of Data: 2006

Water-Use by Basin - All Facilities

Basin	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Lake Superior	0.80	0.14	8.30	9.24	0.00	0.00	9.02
Lake Michigan	0.00	1.25	35.72	36.97	0.00	0.00	36.04
Lake Huron	2.93	3.07	6.41	12.41	0.00	0.00	
Lake Erie	1.53	2.65	26.68	30.86	0.00	0.00	14.54
Lake Ontario	3.86	0.94	11.63	16.43	0.00	0.00	9.92
St. Lawrence River	1.77	3.63	24.68	30.08	0.00	0.00	19.84

Water-Use by Basin - Principal Facilities

Basin	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Lake Superior	0.75	0.00	0.00	0.75	0.00	0.00	0.67
Lake Michigan	0.00	1.25	1.31	2.56	0.00	0.00	2.05
Lake Huron					0.00	0.00	
Lake Erie	0.00	0.00	0.96	0.96	0.00	0.00	0.77
Lake Ontario					0.00	0.00	6.45
St. Lawrence River					0.00	0.00	

WATER-USE CATEGORY REPORT- Industrial

Units: Mgal(US)/d

Year Of Data: 2006

Water-Use by Jurisdiction - All Facilities

Jurisdiction	Withdrawals			TOTAL	Diversions		Consumptive Use
	GLSW	OSW	GW		Intrabasin	Interbasin	
Illinois	12.43	0.00	0.00	12.43	0.00	0.01	0.00
Indiana	1648.11	7.51	12.40	1668.02	0.00	0.00	100.09
Michigan	357.77	207.90	120.40	686.07	0.00	0.00	
Minnesota	297.71	63.32	0.03	361.06	0.00	0.00	36.10
New York	197.00	41.86	13.04	251.90	0.00	0.00	62.99
Ohio	56.38	187.88	59.20	303.46	0.00	0.00	30.35
Ontario	900.71	0.00	22.51	923.22	0.00	0.00	58.16
Pennsylvania	5.34	0.00	0.00	5.34	0.00	0.00	
Quebec	0.00	125.48	0.00	125.48	0.00	0.00	12.55
Wisconsin	187.00	0.00	0.00	187.00	0.00	0.00	19.07

Water-Use by Jurisdiction - Principal Facilities

Jurisdiction	Withdrawals			TOTAL	Diversions		Consumptive Use
	GLSW	OSW	GW		Intrabasin	Interbasin	
Illinois	12.43	0.00	0.00	12.43	0.00	0.01	0.00
Indiana	1648.07	7.48	11.69	1667.24	0.00	0.00	100.04
Michigan							
Minnesota	297.64	63.09	0.00	360.73	0.00	0.00	36.07
New York	197.00	40.91	13.04	250.95	0.00	0.00	62.75
Ohio	56.38	187.67	58.88	302.93	0.00	0.00	30.30
Ontario	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pennsylvania	5.34	0.00	0.00	5.34	0.00	0.00	0.00
Quebec	0.00	124.95	0.00	124.95	0.00	0.00	12.50
Wisconsin							

WATER-USE CATEGORY REPORT- Industrial

Units: Mgal(US)/d

Year Of Data: 2006

Water-Use by Basin - All Facilities

Basin	Withdrawals			TOTAL	Diversions		Consumptive Use
	GLSW	OSW	GW		Intrabasin	Interbasin	
Lake Superior	472.27	63.32	0.17	535.76	0.00	0.00	46.31
Lake Michigan	2145.43	152.50	71.59	2369.52	0.00	0.01	118.60
Lake Huron	201.30	38.46	28.38	268.14	0.00	0.00	11.98
Lake Erie	438.74	213.28	101.92	753.94	0.00	0.00	85.09
Lake Ontario	240.05	33.99	21.27	295.32	0.00	0.00	30.89
St. Lawrence River	164.66	132.40	4.24	301.30	0.00	0.00	26.44

Water-Use by Basin - Principal Facilities

Basin	Withdrawals			TOTAL	Diversions		Consumptive Use
	GLSW	OSW	GW		Intrabasin	Interbasin	
Lake Superior	297.64	63.09	0.00	360.73	0.00	0.00	36.07
Lake Michigan	1660.50	3.87	6.25	1670.62	0.00	0.01	99.49
Lake Huron	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lake Erie	231.94	191.28	64.36	487.58	0.00	0.00	73.42
Lake Ontario	21.88	33.99	9.81	65.68	0.00	0.00	16.42
St. Lawrence River	4.90	131.87	3.19	139.96	0.00	0.00	16.26

WATER-USE CATEGORY REPORT - Fossil Fuel Power

Units: Mgal(US)/d

Year Of Data: 2006

Water-Use by Jurisdiction - All Facilities

Jurisdiction	Withdrawals			TOTAL	Diversions		Consumptive Use
	GLSW	OSW	GW		Intrabasin	Interbasin	
Illinois	692.32	0.00	0.00	692.32	0.00	0.00	0.00
Indiana	692.27	0.00	0.27	692.54	0.00	0.00	13.86
Michigan	5102.98	1151.27	46.80	6301.05	0.00	0.00	
Minnesota	46.22	135.58	0.13	181.93	0.00	0.00	3.63
New York	1280.99	388.71	0.00	1669.70	0.00	0.00	33.39
Ohio	1694.90	749.57	0.00	2444.47	0.00	0.00	24.45
Ontario	1467.67	0.00	0.00	1467.67	0.00	0.00	0.00
Pennsylvania					0.00	0.00	
Quebec	39.10	7.93	0.00	47.02	0.00	0.00	4.70
Wisconsin	1763.00	0.00	0.00	1763.00	0.00	0.00	8.81

Water-Use by Jurisdiction - Principal Facilities

Jurisdiction	Withdrawals			TOTAL	Diversions		Consumptive Use
	GLSW	OSW	GW		Intrabasin	Interbasin	
Illinois	692.32	0.00	0.00	692.32	0.00	0.00	0.00
Indiana	692.27	0.00	0.27	692.54	0.00	0.00	13.86
Michigan							
Minnesota	46.21	135.58	0.12	181.91	0.00	0.00	3.63
New York	1280.99	388.71	0.00	1669.70	0.00	0.00	33.39
Ohio	1694.89	749.57	0.00	2444.46	0.00	0.00	24.45
Ontario	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pennsylvania	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quebec	39.10	7.93	0.00	47.02	0.00	0.00	4.70
Wisconsin							

WATER-USE CATEGORY REPORT - Fossil Fuel Power

Units: Mgal(US)/d

Year Of Data: 2006

Water-Use by Basin - All Facilities

Basin	Withdrawals			TOTAL	Diversions		Consumptive Use
	GLSW	OSW	GW		Intrabasin	Interbasin	
Lake Superior	649.84	135.58	0.13	785.55	0.00	0.00	3.82
Lake Michigan	3761.53	471.44	45.45	4278.42	0.00	0.00	22.47
Lake Huron	174.51	565.40	1.24	741.15	0.00	0.00	0.00
Lake Erie	6987.37	864.01	0.38	7851.76	0.00	0.00	40.92
Lake Ontario	1167.07	388.71	0.00	1555.78	0.00	0.00	16.93
St. Lawrence River	39.12	7.93	0.00	47.04	0.00	0.00	4.70

Water-Use by Basin - Principal Facilities

Basin	Withdrawals			TOTAL	Diversions		Consumptive Use
	GLSW	OSW	GW		Intrabasin	Interbasin	
Lake Superior	46.21	135.58	0.12	181.91	0.00	0.00	3.63
Lake Michigan	1384.59	0.00	0.00	1384.59	0.00	0.00	13.85
Lake Huron	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lake Erie	2517.74	749.57	0.27	3267.58	0.00	0.00	40.92
Lake Ontario	458.12	388.71	0.00	846.83	0.00	0.00	16.93
St. Lawrence River	39.12	7.93	0.00	47.04	0.00	0.00	4.70

WATER-USE CATEGORY REPORT - Nuclear Power

Units: Mgal(US)/d

Year Of Data: 2006

Water-Use by Jurisdiction - All Facilities

Jurisdiction	Withdrawals			TOTAL	Diversions		Consumptive Use
	GLSW	OSW	GW		Intrabasin	Interbasin	
Illinois	31.70	0.00	0.00	31.70	0.00	0.00	0.00
Indiana	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Michigan	2225.78	0.00	0.00	2225.78	0.00	0.00	
Minnesota	0.00	0.00	0.00	0.00	0.00	0.00	0.00
New York	1395.65	0.00	0.00	1395.65	0.00	0.00	69.78
Ohio	152.48	0.00	0.00	152.48	0.00	0.00	15.25
Ontario	10125.39	0.00	0.00	10125.39	0.00	0.00	91.13
Pennsylvania	0.00	0.00	0.00	0.00	0.00	0.00	
Quebec	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wisconsin	1195.00	0.00	0.00	1195.00	0.00	0.00	5.97

Water-Use by Jurisdiction - Principal Facilities

Jurisdiction	Withdrawals			TOTAL	Diversions		Consumptive Use
	GLSW	OSW	GW		Intrabasin	Interbasin	
Illinois	31.70	0.00	0.00	31.70	0.00	0.00	0.00
Indiana	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Michigan							
Minnesota	0.00	0.00	0.00	0.00	0.00	0.00	0.00
New York	1395.65	0.00	0.00	1395.65	0.00	0.00	69.78
Ohio	152.48	0.00	0.00	152.48	0.00	0.00	15.25
Ontario	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pennsylvania	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quebec	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wisconsin							

WATER-USE CATEGORY REPORT- Nuclear Power

Units: Mgal(US)/d

Year Of Data: 2006

Water-Use by Basin - All Facilities

Basin	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Lake Superior	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lake Michigan	3403.42	0.00	0.00	3403.42	0.00	0.00	5.97
Lake Huron	4697.20	0.00	0.00	4697.20	0.00	0.00	42.28
Lake Erie	201.54	0.00	0.00	201.54	0.00	0.00	15.25
Lake Ontario	6823.84	0.00	0.00	6823.84	0.00	0.00	118.63
St. Lawrence River	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Water-Use by Basin - Principal Facilities

Basin	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Lake Superior	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lake Michigan	31.70	0.00	0.00	31.70	0.00	0.00	0.00
Lake Huron	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lake Erie	152.48	0.00	0.00	152.48	0.00	0.00	15.25
Lake Ontario	1395.65	0.00	0.00	1395.65	0.00	0.00	69.78
St. Lawrence River	0.00	0.00	0.00	0.00	0.00	0.00	0.00

WATER-USE CATEGORY REPORT - Hydroelectric Power

Units: Mgal(US)/d

Year Of Data: 2006

Water-Use by Jurisdiction - All Facilities

Jurisdiction	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Illinois	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Indiana	0.00	1782.89	0.00	1782.89	0.00	0.00	0.00
Michigan					0.00	0.00	
Minnesota	0.00	2645.73	0.00	2645.73	0.00	0.00	0.00
New York	128195.00	179600.00	0.00	307795.00	0.00	0.00	0.00
Ohio	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ontario	130010.47	59531.37	0.00	189541.84	0.00	-4007.75	0.00
Pennsylvania	0.00	0.00	0.00	0.00	0.00	0.00	
Quebec	170946.25	132949.60	0.00	303895.85	0.00	0.00	0.00
Wisconsin	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Water-Use by Jurisdiction - Principal Facilities

Jurisdiction	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Illinois	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Indiana	0.00	1782.89	0.00	1782.89	0.00	0.00	0.00
Michigan							
Minnesota	0.00	2645.73	0.00	2645.73	0.00	0.00	0.00
New York	128195.00	0.00	0.00	128195.00	0.00	0.00	0.00
Ohio	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ontario	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pennsylvania	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quebec	170946.25	132949.60	0.00	303895.85	0.00	0.00	0.00
Wisconsin							

WATER-USE CATEGORY REPORT- Hydroelectric Power

Units: Mgal(US)/d

Year Of Data: 2006

Water-Use by Basin - All Facilities

Basin	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Lake Superior	0.00	40802.04	0.00	40802.04	0.00	-4007.75	0.00
Lake Michigan	0.00	1782.89	0.00	1782.89	0.00	0.00	0.00
Lake Huron	20000.41	13607.66	0.00	33608.07	0.00	0.00	0.00
Lake Erie	47168.00	0.00	0.00	47168.00	0.00	0.00	0.00
Lake Ontario	33861.04	88589.26	0.00	122450.31	0.00	0.00	0.00
St. Lawrence River	328122.28	231727.72	0.00	559850.00	0.00	0.00	0.00

Water-Use by Basin - Principal Facilities

Basin	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Lake Superior	0.00	2645.73	0.00	2645.73	0.00	0.00	0.00
Lake Michigan	0.00	1782.89	0.00	1782.89	0.00	0.00	0.00
Lake Huron	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lake Erie	47168.00	0.00	0.00	47168.00	0.00	0.00	0.00
Lake Ontario	0.00	0.00	0.00	0.00	0.00	0.00	0.00
St. Lawrence River	251973.25	132949.60	0.00	384922.85	0.00	0.00	0.00

WATER-USE CATEGORY REPORT- Other

Units: Mgal(US)/d

Year Of Data: 2006

Water-Use by Jurisdiction - All Facilities

Jurisdiction	Withdrawals			TOTAL	Diversions		Consumptive Use
	GLSW	OSW	GW		Intrabasin	Interbasin	
Illinois	222.95	0.00	0.00	222.95	0.00	222.95	0.00
Indiana	0.00	0.00	0.05	0.05	0.00	0.00	0.01
Michigan	0.00	0.00	2.39	2.39	0.00	0.00	
Minnesota	0.00	0.00	0.11	0.11	0.00	0.00	0.00
New York	0.00	43.47	0.11	43.58	0.00	32.00	33.18
Ohio	0.27	1.42	0.73	2.42	0.00	-9.97	1.36
Ontario	0.00	199.61	0.00	199.61	61.97	0.00	0.00
Pennsylvania					0.00	0.00	
Quebec					0.00	0.00	
Wisconsin					0.00	-0.64	

Water-Use by Jurisdiction - Principal Facilities

Jurisdiction	Withdrawals			TOTAL	Diversions		Consumptive Use
	GLSW	OSW	GW		Intrabasin	Interbasin	
Illinois	222.95	0.00	0.00	222.95	0.00	222.95	0.00
Indiana	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Michigan							
Minnesota	0.00	0.00	0.00	0.00	0.00	0.00	0.00
New York	0.00	11.47	0.11	11.58	0.00	32.00	0.42
Ohio	0.27	1.42	0.56	2.25	0.00	-9.97	1.36
Ontario	0.00	199.61	0.00	199.61	61.97	0.00	0.00
Pennsylvania	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quebec					0.00	0.00	
Wisconsin							

WATER-USE CATEGORY REPORT- Other

Units: Mgal(US)/d

Year Of Data: 2006

Water-Use by Basin - All Facilities

Basin	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Lake Superior	0.00	0.00	0.11	0.11	0.00	0.00	0.00
Lake Michigan	222.95	0.00	2.29	225.25	0.00	222.31	0.01
Lake Huron	0.00	47.97	0.15	48.12	47.97	0.00	0.00
Lake Erie	0.27	1.42	0.73	2.42	5816.39	-9.97	1.36
Lake Ontario	0.00	171.68	0.11	171.79	-5802.39	32.00	32.77
St. Lawrence River	0.00	23.42	0.00	23.42	0.00	0.00	0.41

Water-Use by Basin - Principal Facilities

Basin	Withdrawals				Diversions		Consumptive Use
	GLSW	OSW	GW	TOTAL	Intrabasin	Interbasin	
Lake Superior	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lake Michigan	222.95	0.00	0.00	222.95	0.00	222.95	0.00
Lake Huron	0.00	47.97	0.00	47.97	47.97	0.00	0.00
Lake Erie	0.27	1.42	0.56	2.25	5816.39	-9.97	1.36
Lake Ontario	0.00	139.68	0.11	139.79	-5802.39	32.00	0.01
St. Lawrence River	0.00	23.42	0.00	23.42	0.00	0.00	0.41