

**Table 1: 2002 Water Withdrawals for Self-Supplied Industrial Facilities in Michigan, by County\***

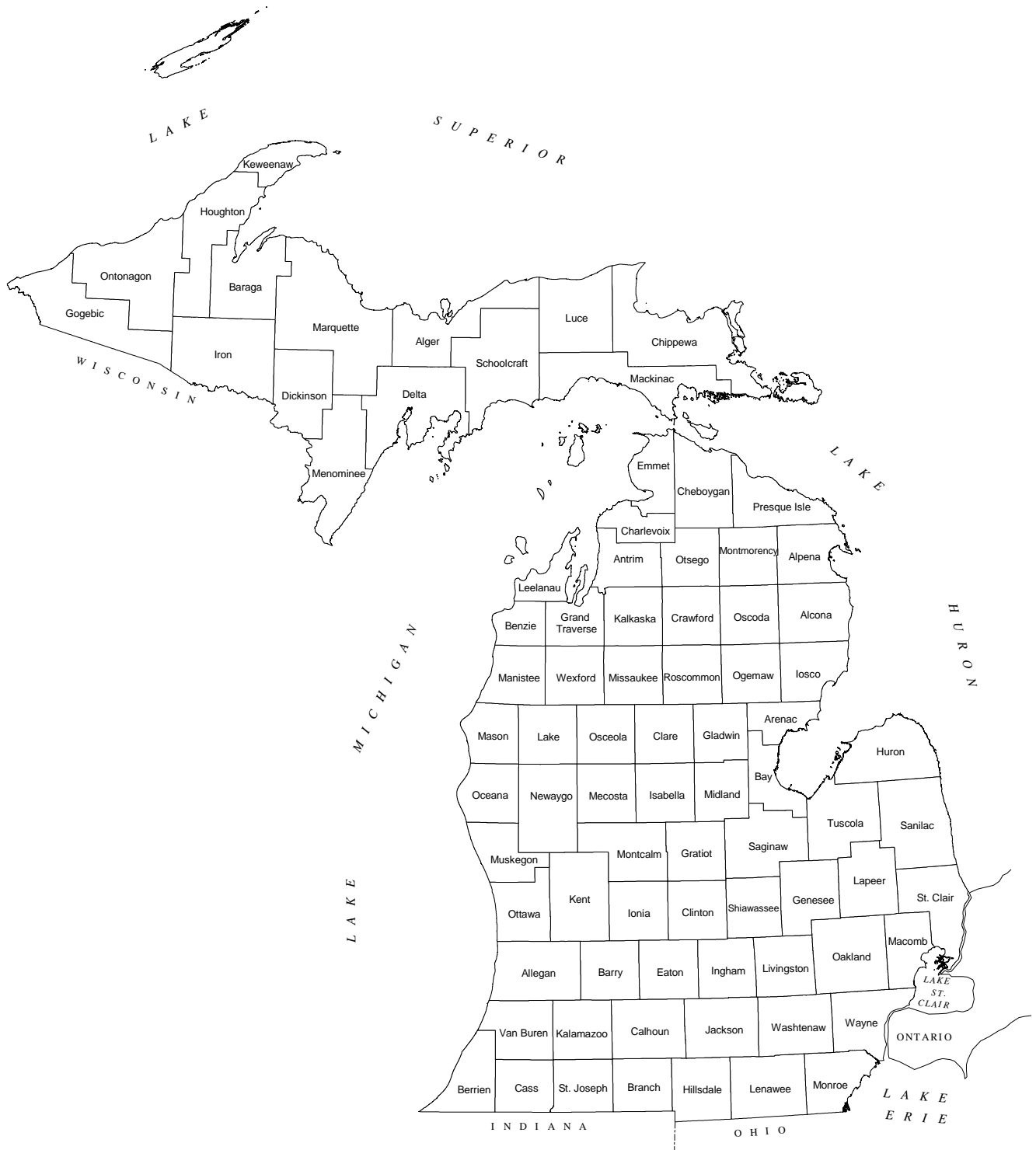
County	Self-Supplied Industries		Water Withdrawn (MGD)			
	Number of Facilities	Number of Employees	Great Lakes	Surface Water	Ground Water	Total
Alger	2	688	5.08	0.00	0.24	5.31
Allegan	14	4,291	0.00	0.72	3.65	4.37
Alpena	3	1,080	6.81	0.00	0.00	6.82
Antrim	2	260	0.00	0.00	0.09	0.09
Arenac	1	52	0.00	0.00	0.24	0.24
Baraga	1	190	0.50	0.00	0.00	0.50
Barry	5	956	0.00	0.06	0.14	0.20
Bay	4	1,841	0.00	1.62	0.00	1.62
Benzie	4	305	0.00	0.01	0.32	0.33
Berrien	17	2,455	0.00	1.15	1.24	2.40
Branch	5	906	0.00	0.00	1.20	1.20
Calhoun	11	4,600	0.00	3.32	6.37	9.68
Cass	4	847	0.00	0.00	1.50	1.50
Charlevoix	5	1,095	12.39	0.00	2.31	14.70
Cheboygan	1	70	0.00	0.38	0.09	0.46
Chippewa	1	30	0.76	0.00	0.00	0.76
Clinton	3	99	0.00	0.00	0.78	0.78
Crawford	4	302	0.00	0.07	0.17	0.24
Delta	4	1,350	37.11	0.25	0.12	37.49
Dickinson	1	20	0.00	18.20	0.32	18.52
Eaton	1	35	0.00	0.00	0.00	0.00
Emmet	2	370	0.00	0.00	0.00	0.00
Genesee	9	11,482	0.00	0.00	0.13	0.13
Gladwin	1	7	0.00	0.00	0.00	0.00
Gogebic	2	150	0.00	0.00	0.08	0.08
Grand Traverse	6	1,405	0.00	0.00	0.43	0.43
Gratiot	3	706	0.00	0.00	0.32	0.32
Hillsdale	3	623	0.00	0.00	0.21	0.21
Huron	3	260	0.00	0.00	0.03	0.03
Ingham	4	9,182	0.00	0.00	0.39	0.39
Ionia	3	938	0.00	0.12	0.05	0.17

County	Self-Supplied Industries		Water Withdrawn (MGD)			
	Number of Facilities	Number of Employees	Great Lakes	Surface Water	Ground Water	Total
Iosco	2	185	0.00	0.09	0.00	0.09
Isabella	1	120	0.00	0.00	0.00	0.00
Jackson	13	1,079	0.00	0.49	0.54	1.02
Kalamazoo	10	10,010	0.00	5.48	31.64	37.12
Kalkaska	1	50	0.00	0.00	0.00	0.00
Kent	24	8,445	0.00	1.00	0.84	1.84
Lapeer	2	255	0.00	0.00	0.03	0.03
Leelanau	6	191	0.00	0.00	0.53	0.53
Lenawee	7	1,102	0.00	0.01	0.24	0.25
Livingston	11	1,945	0.00	0.00	0.13	0.13
Luce	2	111	0.00	0.00	0.02	0.02
Mackinac	1	125	20.58	0.00	0.00	20.58
Macomb	5	409	0.00	0.16	0.15	0.31
Manistee	5	918	17.69	16.60	0.67	34.97
Marquette	2	1,820	0.00	13.90	0.18	14.08
Mason	7	1,674	20.78	0.00	0.31	21.09
Mecosta	2	170	0.00	0.00	0.34	0.34
Menominee	3	925	0.00	2.87	0.02	2.89
Midland	2	4,175	0.00	6.15	0.04	6.19
Missaukee	1	180	0.00	0.00	0.00	0.00
Monroe	7	640	0.00	1.31	15.69	17.00
Montcalm	1	500	0.00	0.00	0.18	0.18
Muskegon	21	4,482	21.49	4.36	3.67	29.52
Newaygo	1	6	0.00	0.00	0.00	0.00
Oakland	26	11,063	0.00	0.05	1.82	1.87
Oceana	4	785	0.00	0.00	1.24	1.24
Ontonagon	2	1,430	8.19	0.00	0.00	8.19
Osceola	5	591	0.00	0.00	0.34	0.34
Otsego	4	657	0.00	0.00	0.32	0.32
Ottawa	14	3,114	9.39	0.78	1.00	11.17
Presque Isle	2	270	8.21	0.00	0.00	8.21
Roscommon	1	190	0.00	0.00	0.00	0.00
Saginaw	3	1,526	0.00	1.64	0.00	1.64
Saint Clair	4	2,713	13.41	0.00	0.00	13.41

County	Self-Supplied Industries		Water Withdrawn (MGD)			
	Number of Facilities	Number of Employees	Great Lakes	Surface Water	Ground Water	Total
Saint Joseph	14	2,731	0.00	0.22	4.63	4.85
Sanilac	4	1,045	0.00	0.07	0.12	0.20
Schoolcraft	2	220	5.37	5.82	0.00	11.20
Shiawassee	1	60	0.00	0.00	0.10	0.10
Tuscola	2	89	0.00	0.00	0.00	0.00
Van Buren	9	1,501	0.00	0.81	0.71	1.51
Washtenaw	13	5,436	0.00	0.62	1.64	2.26
Wayne	18	16,479	313.72	12.07	0.09	325.87
Wexford	4	1,243	0.00	0.00	4.64	4.64
Total	398	137,255	501.49	100.41	92.27	694.17

\* This report is provided by the Michigan Department of Environmental Quality and was generated using data collected for the water use reporting program.

# Index Map of Michigan Counties



**Table 2: 2002 Water Withdrawals for Self-Supplied Industrial Facilities in Michigan, by Hydrologic Basin\***

Hydrologic Basin Code	Self-Supplied Industries		Water Withdrawn (MGD)			
	Number of Facilities	Number of Employees	Great Lakes	Surface Water	Ground Water	Total
04010302	1	85	0.00	0.00	0.08	0.08
04020101	2	1,215	0.00	0.00	0.00	0.00
04020102	1	280	8.19	0.00	0.00	8.19
04020105	1	190	0.50	0.00	0.00	0.50
04020201	2	688	5.08	0.00	0.24	5.31
04020202	2	111	0.00	0.00	0.02	0.02
04030108	2	395	0.00	21.07	0.32	21.39
04030109	2	550	0.00	0.00	0.02	0.02
04030110	2	1,820	0.00	13.90	0.18	14.08
04030111	4	1,350	37.11	0.25	0.12	37.49
04040001	1	43	0.00	0.44	0.00	0.44
04050001	52	9,079	0.00	1.75	9.53	11.28
04050002	8	3,648	9.38	0.21	0.69	10.27
04050003	30	16,529	0.00	9.46	41.58	51.04
04050004	18	10,266	0.00	0.49	0.93	1.42
04050005	2	94	0.00	0.00	0.78	0.78
04050006	33	6,165	0.01	1.49	1.71	3.21
04050007	11	6,314	0.00	0.32	0.24	0.56
04060101	17	2,823	20.78	0.00	2.14	22.91
04060102	24	5,974	21.49	4.36	4.27	30.12
04060103	6	943	17.69	16.60	4.19	38.49
04060104	10	835	0.00	0.01	0.95	0.96
04060105	16	2,841	12.39	0.00	2.73	15.12
04060106	1	155	0.00	5.82	0.00	5.82
04060107	1	65	5.37	0.00	0.00	5.37
04070001	1	30	0.76	0.00	0.00	0.76
04070002	1	125	20.58	0.00	0.00	20.58
04070003	3	520	10.69	0.00	0.01	10.69
04070004	3	162	0.00	0.38	0.09	0.47
04070006	2	830	4.33	0.00	0.00	4.34
04070007	7	1,057	0.00	0.07	0.49	0.55
04080101	2	185	0.00	0.09	0.00	0.09

Hydrologic Basin Code	Self-Supplied Industries		Water Withdrawn (MGD)			
	Number of Facilities	Number of Employees	Great Lakes	Surface Water	Ground Water	Total
04080102	1	52	0.00	0.00	0.24	0.24
04080103	3	260	0.00	0.00	0.03	0.03
04080104	1	400	0.00	0.00	0.04	0.04
04080201	3	4,182	0.00	6.15	0.04	6.19
04080202	3	890	0.00	0.00	0.52	0.52
04080203	8	1,481	0.00	0.00	0.16	0.16
04080204	10	11,247	0.00	0.00	0.16	0.16
04080205	3	104	0.00	0.07	0.00	0.07
04080206	7	3,367	0.00	3.26	0.00	3.26
04090001	6	3,343	13.41	0.00	0.08	13.49
04090003	12	1,737	0.00	0.16	1.09	1.24
04090004	26	16,890	313.72	1.87	0.25	315.84
04090005	31	15,880	0.00	10.86	2.42	13.29
04100001	4	65	0.00	0.37	7.49	7.86
04100002	11	1,698	0.00	0.95	8.44	9.40
04100003	1	292	0.00	0.00	0.00	0.00
Total	398	137,255	501.49	100.41	92.27	694.17

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Hydrologic Basins in Michigan: U.S. Geological Survey

04010302	Bad-Montreal	04050007	Thornapple	04080104	Birch-Willow
04020101	Black-Presque Isle	04060101	Pere Marquette-White	04080201	Tittabawassee
04020102	Ontonagon	04060102	Muskegon	04080202	Pine
04020105	Dead-Kelsey	04060103	Manistee	04080203	Shiawassee
04020201	Betsy-Chocolay	04060104	Betsie-Platte	04080204	Flint
04020202	Tahquamenon	04060105	Boardman-Charlevoix	04080205	Cass
04030108	Menominee	04060106	Manistique	04080206	Saginaw
04030109	Cedar-Ford	04060107	Brevoort-Millecoquin	04090001	St. Clair
04030110	Escanaba	04070001	St. Marys	04090003	Clinton
04030111	Tacoosh-Whitefish	04070002	Carp-Pine	04090004	Detroit
04040001	Little Calumet-Galien	04070003	Lone Lake-Ocqueoc	04090005	Huron
04050001	St. Joseph	04070004	Cheboygan	04100001	Ottawa-Stony
04050002	Black-Macatawa	04070006	Thunder Bay	04100002	Raisin
04050003	Kalamazoo	04070007	Au Sable	04100003	Laird-St. Joseph
04050004	Upper Grand	04080101	Au Gres-Rifle		
04050005	Maple	04080102	Kawkawlin-Pine		
04050006	Lower Grand	04080103	Pigeon-Wiscoggin		

# Index Map of Michigan Hydrologic Basins

