

Table 1: 2000 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County	Self-Supplied Industries		Water Withdrawn (MGD)			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	5.38	0.00	0.24	5.62
Allegan	15	4,706	0.00	0.63	6.79	7.42
Alpena	4	1,310	8.00	6.47	0.04	14.51
Antrim	2	260	0.00	0.00	0.09	0.09
Arenac	1	52	0.00	0.00	0.22	0.22
Baraga	1	190	0.61	0.00	0.00	0.61
Barry	4	956	0.00	0.00	0.12	0.12
Bay	4	1,841	0.00	1.33	0.01	1.34
Benzie	3	300	0.00	0.00	0.27	0.27
Berrien	17	2,540	0.00	2.93	1.49	4.42
Branch	5	906	0.00	0.14	0.90	1.04
Calhoun	11	5,235	0.00	3.29	5.31	8.60
Cass	4	847	0.00	0.00	1.36	1.36
Charlevoix	6	1,170	5.27	0.00	9.74	15.01
Cheboygan	1	70	0.00	0.24	0.09	0.33
Chippewa	1	30	0.88	0.00	0.00	0.88
Clinton	3	99	0.00	0.00	0.74	0.74
Crawford	4	302	0.00	0.07	0.15	0.22
Delta	3	1,346	38.58	0.25	0.11	38.94
Dickinson	1	20	0.00	17.61	0.39	17.99
Eaton	1	35	0.00	0.00	0.00	0.00
Emmet	2	370	0.00	0.00	0.03	0.03
Genesee	9	11,482	0.00	0.00	0.18	0.18
Gladwin	2	7	0.00	0.00	0.00	0.00
Gogebic	2	150	0.00	0.00	0.09	0.09
Grand Traverse	6	1,405	0.00	0.00	0.54	0.54
Gratiot	3	706	0.00	0.00	0.31	0.31
Hillsdale	3	623	0.00	0.00	1.21	1.21
Huron	3	260	0.00	0.00	0.05	0.05
Ingham	4	9,182	0.00	0.00	0.39	0.39
Ionia	3	938	0.00	0.13	0.05	0.19

County	Self-Supplied Industries		Water Withdrawn (MGD)			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	0.08	0.00	0.08
Isabella	1	120	0.00	0.00	0.00	0.00
Jackson	14	1,229	0.00	0.05	1.03	1.09
Kalamazoo	14	11,560	0.00	16.04	32.80	48.84
Kalkaska	1	50	0.00	0.00	0.00	0.00
Kent	25	8,518	0.00	0.53	4.74	5.27
Lapeer	2	255	0.00	0.00	0.04	0.04
Leelanau	4	191	0.00	0.00	0.30	0.30
Lenawee	7	1,102	0.00	0.01	0.22	0.23
Livingston	11	2,060	0.00	0.00	0.18	0.18
Luce	2	111	0.00	0.00	0.02	0.02
Mackinac	1	125	7.86	0.00	0.00	7.86
Macomb	8	899	0.00	0.16	0.46	0.62
Manistee	5	918	16.88	18.37	0.66	35.91
Marquette	2	1,820	0.00	17.27	0.19	17.46
Mason	7	1,674	17.80	0.00	0.34	18.15
Mecosta	1	170	0.00	0.00	0.18	0.18
Menominee	3	925	0.00	2.56	0.02	2.58
Midland	2	4,175	0.00	5.64	0.07	5.71
Missaukee	2	186	0.00	0.00	0.00	0.00
Monroe	9	725	0.00	1.78	15.65	17.42
Montcalm	1	500	0.00	0.00	0.18	0.18
Muskegon	22	4,664	21.19	5.80	3.80	30.78
Newaygo	2	606	0.00	0.00	0.00	0.00
Oakland	27	11,158	0.00	0.00	2.52	2.52
Oceana	4	785	0.00	0.00	1.08	1.08
Ontonagon	2	1,430	18.89	0.00	0.00	18.89
Osceola	5	591	0.00	0.00	0.31	0.31
Oscoda	1	48	0.00	0.00	0.01	0.01
Otsego	4	657	0.00	0.00	0.12	0.12
Ottawa	14	3,224	8.50	1.14	1.15	10.79
Presque Isle	2	270	4.22	0.00	0.00	4.22
Roscommon	1	190	0.00	0.00	0.00	0.00
Saginaw	4	1,576	0.00	1.36	0.01	1.37

County	Self-Supplied Industries		Water Withdrawn (MGD)			
	Number of Facilities	Number of Employees	Great Lakes	Surface Water	Ground Water	Total
Saint Clair	4	2,713	7.56	0.00	0.00	7.56
Saint Joseph	14	2,731	0.00	0.20	6.27	6.48
Sanilac	5	1,225	0.00	0.00	0.20	0.20
Schoolcraft	2	220	5.04	5.38	0.00	10.42
Shiawassee	1	60	0.00	0.00	0.12	0.12
Tuscola	2	89	0.00	0.00	0.00	0.00
Van Buren	10	1,501	0.00	1.07	1.20	2.27
Washtenaw	15	5,719	0.00	3.18	0.87	4.05
Wayne	20	17,339	306.92	1.64	0.08	308.64
Wexford	4	1,243	0.00	0.00	3.45	3.45
Total	419	143,563	473.57	115.38	109.19	698.14

* 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: 2000 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	0.09	0.09
04020101	2	1,215	12.08	0.00	0.00	12.08
04020102	1	280	6.81	0.00	0.00	6.81
04020105	1	190	0.61	0.00	0.00	0.61
04020201	2	688	5.38	0.00	0.24	5.62
04020202	2	111	0.00	0.00	0.02	0.02
04030108	2	395	0.00	20.16	0.39	20.55
04030109	2	550	0.00	0.00	0.02	0.02
04030110	2	1,820	0.00	17.27	0.19	17.46
04030111	3	1,346	38.58	0.25	0.11	38.94
04040001	1	43	0.00	1.45	0.00	1.45
04050001	53	9,164	0.00	4.04	11.82	15.87
04050002	8	3,758	8.50	0.00	0.26	8.76
04050003	35	19,129	0.00	18.82	44.35	63.17
04050004	19	10,416	0.00	0.05	1.42	1.48
04050005	2	94	0.00	0.00	0.74	0.74
04050006	34	6,238	0.01	1.53	5.98	7.52
04050007	10	6,314	0.00	0.28	0.22	0.49
04060101	17	2,823	17.80	0.00	1.88	19.68
04060102	26	6,762	21.19	5.80	4.65	31.64
04060103	6	943	16.88	18.37	3.01	38.26
04060104	7	830	0.00	0.00	0.80	0.80
04060105	17	2,916	5.27	0.00	10.16	15.44
04060106	1	155	0.00	5.38	0.00	5.38
04060107	1	65	5.04	0.00	0.00	5.04
04070001	1	30	0.88	0.00	0.00	0.88
04070002	1	125	7.86	0.00	0.00	7.86
04070003	3	520	6.75	0.00	0.01	6.76
04070004	3	162	0.00	0.24	0.09	0.33
04070006	3	1,060	5.46	6.47	0.04	11.97
04070007	8	1,105	0.00	0.07	0.28	0.34
04080101	2	185	0.00	0.08	0.00	0.08

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	0.22	0.22
04080103	3	260	0.00	0.00	0.05	0.05
04080104	1	400	0.00	0.00	0.05	0.05
04080201	4	4,182	0.00	5.64	0.07	5.71
04080202	3	890	0.00	0.00	0.50	0.50
04080203	9	1,531	0.00	0.00	0.19	0.19
04080204	10	11,247	0.00	0.00	0.23	0.23
04080205	4	284	0.00	0.00	0.07	0.07
04080206	7	3,367	0.00	2.69	0.02	2.70
04090001	6	3,343	7.56	0.00	0.08	7.64
04090002	1	400	0.00	0.00	0.18	0.18
04090003	15	1,922	0.00	0.16	1.71	1.87
04090004	28	17,750	306.92	1.56	0.15	308.63
04090005	33	16,278	0.00	3.26	2.00	5.26
04100001	4	65	0.00	0.46	7.14	7.59
04100002	13	1,783	0.00	1.33	9.78	11.11
04100003	1	292	0.00	0.00	0.00	0.00
Total	419	143,563	473.57	115.38	109.19	698.14

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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-Charlevoi	04080205	Cass
04030108	Menominee	04060106	Manistique	04080206	Saginaw
04030109	Cedar-Ford	04060107	Brevoort-Millecoquin	04090001	Saint Clair
04030110	Escanaba	04070001	Saint Marys	04090002	Lake Saint Clair
04030111	Tacoosh-Whitefish	04070002	Carp-Pine	04090003	Clinton
04040001	Little Calumet-Galien	04070003	Lone Lake-Ocqueoc	04090004	Detroit
04050001	Saint Joseph	04070004	Cheboygan	04090005	Huron
04050002	Black-Macatawa	04070006	Thunder Bay	04100001	Ottawa-Stony
04050003	Kalamazoo	04070007	Au Sable	04100002	Raisin
04050004	Upper Grand	04080101	Au Gres-Rifle	04100003	Laird-Saint Joseph
04050005	Maple	04080102	Kawkawlin-Pine		
04050006	Lower Grand	04080103	Pigeon-Wiscoggin		

Index Map of Michigan Hydrologic Basins

