

Table 1:**1997 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County	Self-Supplied Industries		Water Withdrawn (MGD)			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	1	458	5.54	0.00	0.00	5.54
Allegan	16	4,866	0.00	0.86	7.06	7.92
Alpena	4	1,310	6.66	5.70	0.01	12.37
Antrim	2	260	0.00	0.00	0.07	0.07
Arenac	1	52	0.00	0.00	0.28	0.28
Baraga	1	190	0.71	0.00	0.00	0.71
Barry	4	956	0.00	0.00	0.14	0.14
Bay	4	1,841	0.00	1.11	0.00	1.11
Benzie	2	250	0.00	0.00	0.22	0.22
Berrien	17	2,575	0.00	1.80	1.24	3.04
Branch	4	531	0.00	0.14	0.08	0.23
Calhoun	11	5,235	0.00	1.91	5.64	7.55
Cass	4	847	0.00	0.00	1.33	1.33
Charlevoix	5	1,110	3.12	0.00	9.65	12.77
Cheboygan	1	70	0.00	0.01	0.00	0.01
Chippewa	1	30	0.77	0.00	0.00	0.77
Clinton	3	99	0.00	0.00	0.52	0.52
Crawford	3	275	0.00	0.00	0.18	0.18
Delta	4	1,350	44.21	0.28	0.12	44.61
Dickinson	1	20	0.00	18.95	0.23	19.18
Eaton	1	35	0.00	0.00	0.00	0.00
Emmet	3	430	0.05	0.00	0.03	0.08
Genesee	6	3,792	0.00	0.00	0.18	0.18
Gladwin	1	7	0.00	0.00	0.00	0.00
Gogebic	2	150	0.00	0.00	0.05	0.05
Grand Traverse	7	1,405	0.00	0.00	0.75	0.75
Gratiot	3	706	0.00	0.00	0.57	0.57
Hillsdale	3	623	0.00	0.00	1.00	1.00
Huron	3	260	0.00	0.00	0.04	0.04
Ingham	2	382	0.00	0.00	0.07	0.07
Ionia	3	938	0.00	0.14	0.05	0.18
Iosco	2	185	0.00	0.01	0.00	0.01

County	Self-Supplied Industries		Water Withdrawn (MGD)			
	Number of Facilities	Number of Employees	Great Lakes	Surface Water	Ground Water	Total
Isabella	1	120	0.00	0.00	0.00	0.00
Jackson	14	1,229	0.00	0.05	0.75	0.80
Kalamazoo	13	11,260	0.00	15.28	35.38	50.66
Kalkaska	1	50	0.00	0.00	0.00	0.00
Kent	24	8,778	0.00	1.36	4.88	6.24
Lapeer	1	255	0.00	0.00	0.02	0.02
Leelanau	3	191	0.00	0.00	0.26	0.26
Lenawee	7	1,102	0.00	0.04	0.14	0.18
Livingston	12	2,405	0.00	0.00	0.17	0.17
Luce	2	111	0.00	0.00	0.01	0.01
Mackinac	1	125	0.05	0.00	0.00	0.05
Macomb	8	899	0.00	0.16	0.55	0.70
Manistee	6	928	33.89	0.00	0.87	34.76
Marquette	2	1,820	0.00	15.32	0.19	15.52
Mason	7	1,674	11.63	0.00	0.40	12.03
Mecosta	1	170	0.00	0.00	0.16	0.16
Menominee	2	625	0.00	3.53	0.02	3.54
Midland	2	4,175	0.00	5.01	0.22	5.22
Missaukee	2	186	0.00	0.00	0.00	0.00
Monroe	11	2,727	0.07	2.57	8.57	11.20
Montcalm	1	500	0.00	0.00	0.20	0.20
Muskegon	23	4,784	18.18	5.30	4.09	27.58
Newaygo	3	619	0.00	0.00	0.28	0.28
Oakland	28	8,040	0.00	0.00	2.53	2.53
Oceana	4	785	0.00	0.00	0.68	0.68
Ontonagon	2	1,430	8.52	0.00	0.00	8.52
Osceola	5	591	0.00	0.00	0.29	0.29
Oscoda	1	48	0.00	0.00	0.00	0.00
Otsego	4	657	0.00	0.00	0.12	0.12
Ottawa	15	3,254	8.32	1.93	0.36	10.61
Presque Isle	2	270	4.63	0.00	0.07	4.70
Roscommon	1	190	0.00	0.00	0.00	0.00
Saginaw	2	255	0.00	0.72	0.00	0.72
Sanilac	5	1,225	0.00	0.00	0.18	0.18
Schoolcraft	2	220	5.03	5.49	0.00	10.52

County	Self-Supplied Industries		Water Withdrawn (MGD)			
	Number of Facilities	Number of Employees	Great Lakes	Surface Water	Ground Water	Total
Shiawassee	2	135	0.00	0.00	0.11	0.11
St. Clair	5	2,728	11.67	0.00	0.01	11.68
St. Joseph	13	2,694	0.00	0.12	6.66	6.78
Tuscola	2	89	0.00	0.00	0.00	0.00
Van Buren	9	1,501	0.00	2.60	0.53	3.13
Washtenaw	15	5,574	0.00	5.06	0.25	5.31
Wayne	21	11,387	418.34	4.05	0.10	422.49
Wexford	5	1,265	0.00	0.92	2.32	3.24
Total	415	118,309	581.37	100.43	100.89	782.69

* 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:**1997 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	0.05	0.05
04020101	2	1,215	2.13	0.00	0.00	2.13
04020102	1	280	6.39	0.00	0.00	6.39
04020105	1	190	0.71	0.00	0.00	0.71
04020201	1	458	5.54	0.00	0.00	5.54
04020202	2	111	0.00	0.00	0.01	0.01
04030108	2	395	0.00	22.48	0.23	22.71
04030109	1	250	0.00	0.00	0.02	0.02
04030110	2	1,820	0.00	15.32	0.19	15.52
04030111	4	1,350	44.21	0.28	0.12	44.61
04040001	1	43	0.00	1.58	0.00	1.58
04050001	51	8,787	0.00	4.22	11.13	15.35
04050002	7	3,758	8.31	0.26	0.19	8.76
04050003	35	18,989	0.00	16.92	47.06	63.98
04050004	17	1,616	0.00	0.05	0.82	0.87
04050005	2	94	0.00	0.00	0.52	0.52
04050006	33	6,368	0.01	2.93	5.25	8.19
04050007	11	6,474	0.00	0.24	0.24	0.49
04060101	17	2,823	11.82	0.00	1.67	13.49
04060102	29	6,917	17.98	5.30	5.29	28.57
04060103	7	953	33.89	0.92	1.96	36.77
04060104	6	780	0.00	0.00	0.74	0.74
04060105	17	2,916	3.17	0.00	10.25	13.42
04060106	1	155	0.00	5.49	0.00	5.49
04060107	1	65	5.03	0.00	0.00	5.03
04070001	1	30	0.77	0.00	0.00	0.77
04070002	1	125	0.05	0.00	0.00	0.05
04070003	3	520	6.43	0.00	0.07	6.50
04070004	3	162	0.00	0.01	0.00	0.02
04070006	3	1,060	4.86	5.70	0.01	10.57
04070007	7	1,078	0.00	0.00	0.30	0.30
04080101	2	185	0.00	0.01	0.00	0.01

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	0.28	0.28
04080103	3	260	0.00	0.00	0.04	0.04
04080104	1	400	0.00	0.00	0.05	0.05
04080201	3	4,182	0.00	5.01	0.22	5.22
04080202	3	890	0.00	0.00	0.74	0.74
04080203	12	1,951	0.00	0.00	0.22	0.22
04080204	5	3,557	0.00	0.00	0.18	0.18
04080205	4	284	0.00	0.00	0.08	0.08
04080206	5	2,046	0.00	1.83	0.00	1.83
04090001	7	3,358	11.67	0.00	0.07	11.74
04090002	1	400	0.00	0.00	0.26	0.26
04090003	17	2,704	0.00	0.16	1.28	1.44
04090004	29	11,798	418.34	3.39	0.67	422.40
04090005	32	12,233	0.00	5.72	1.29	7.01
04100001	5	67	0.00	0.51	1.53	2.05
04100002	14	3,783	0.07	2.09	7.86	10.02
04100003	1	292	0.00	0.00	0.00	0.00
Total	415	118,309	581.37	100.43	100.89	782.69

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Index Map of Michigan Hydrologic Basins

