

**Table 1: 2001 Water Withdrawals for Major Water Uses in Michigan, by County\***

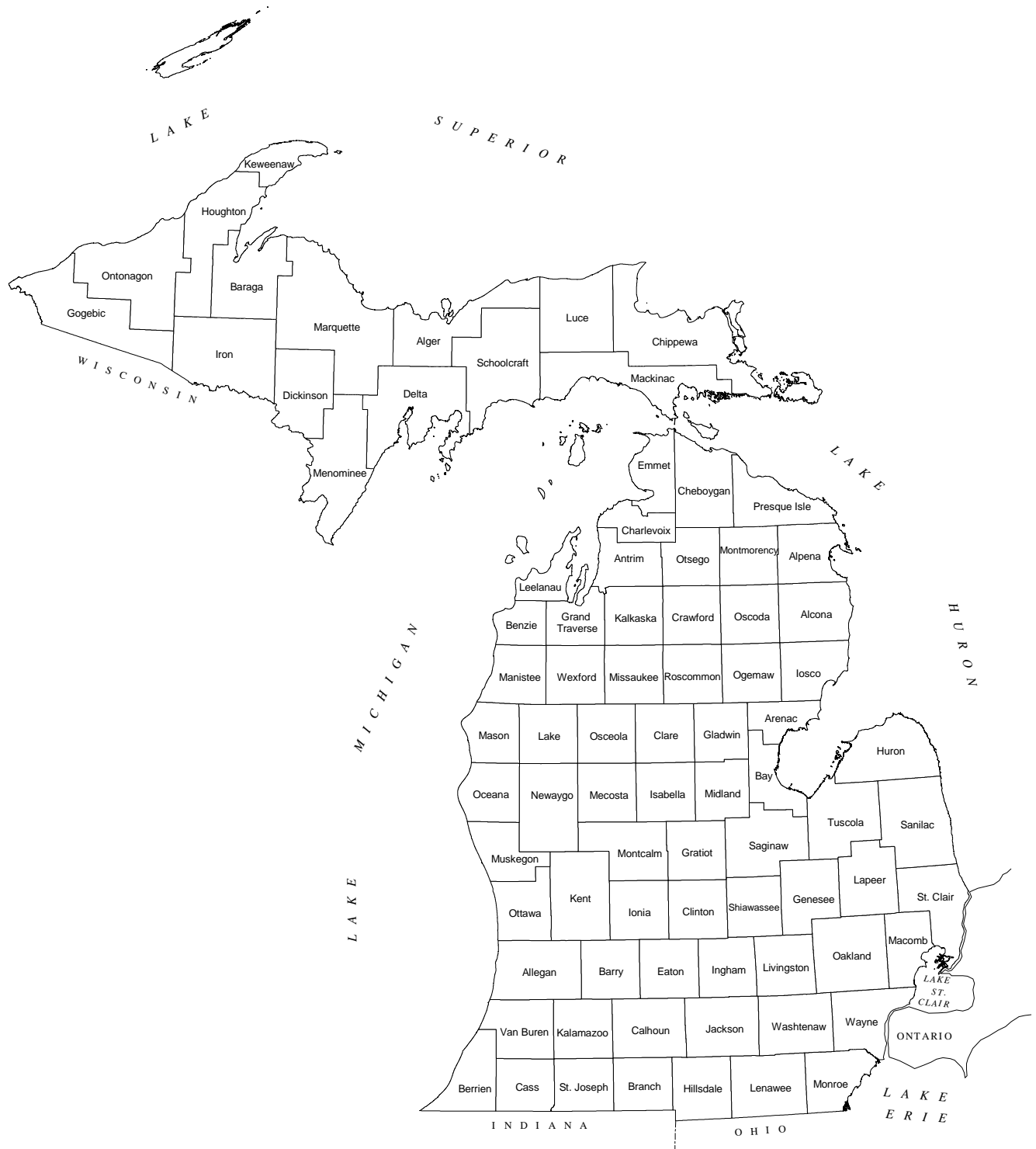
County	Number of Facilities	Water Withdrawn (MGD)			Total
		Great Lakes	Surface Water	Ground Water	
Alcona	11	0.00	0.06	0.65	0.71
Alger	9	5.50	0.00	0.91	6.41
Allegan	160	0.00	5.44	9.76	15.20
Alpena	14	119.45	0.10	1.00	120.55
Antrim	33	0.00	0.13	3.83	3.96
Arenac	22	38.19	0.14	0.66	38.99
Baraga	7	3.24	0.02	0.06	3.32
Barry	41	0.00	0.47	2.40	2.87
Bay	69	633.84	4.52	0.37	638.73
Benzie	25	0.00	0.02	1.74	1.76
Berrien	174	2,055.28	3.88	9.63	2,068.79
Branch	120	0.00	5.69	11.20	16.89
Calhoun	86	0.00	5.18	25.09	30.27
Cass	85	0.00	1.61	9.22	10.83
Charlevoix	32	40.77	0.21	14.21	55.19
Cheboygan	14	0.00	0.38	2.16	2.54
Chippewa	11	2.79	0.00	1.09	3.88
Clare	9	0.00	0.14	1.38	1.52
Clinton	42	0.00	0.55	3.18	3.73
Crawford	13	0.00	0.08	1.63	1.71
Delta	25	22.58	0.88	0.68	24.14
Dickinson	17	0.00	17.98	3.40	21.38
Eaton	32	0.00	1.54	4.01	5.55
Emmet	46	0.00	0.00	4.82	4.82
Genesee	90	0.00	1.80	8.77	10.57
Gladwin	11	0.00	0.00	0.52	0.52
Gogebic	12	0.00	0.00	2.22	2.22
Grand Traverse	74	5.34	0.27	4.61	10.22
Gratiot	34	0.00	1.28	3.26	4.54
Hillsdale	40	0.00	1.47	5.18	6.65
Houghton	21	0.00	0.03	3.67	3.70
Huron	48	54.21	0.28	2.14	56.63
Ingham	55	0.00	206.34	38.65	244.99

County	Number of Facilities	Water Withdrawn (MGD)			
		Great Lakes	Surface Water	Ground Water	Total
Ionia	42	0.00	0.50	6.45	6.95
Iosco	21	1.24	0.35	0.65	2.24
Iron	23	0.00	0.43	2.41	2.84
Isabella	31	0.00	0.33	3.98	4.31
Jackson	82	0.00	1.04	14.97	16.01
Kalamazoo	121	0.00	8.94	64.83	73.77
Kalkaska	10	0.00	0.38	3.10	3.48
Kent	158	50.81	2.62	11.86	65.29
Keweenaw	6	0.01	0.00	0.06	0.07
Lake	6	0.00	0.00	0.30	0.30
Lapeer	40	0.00	1.26	0.92	2.18
Leelanau	62	0.01	0.17	2.87	3.05
Lenawee	64	0.00	4.18	4.05	8.23
Livingston	86	0.00	0.41	8.42	8.83
Luce	8	0.00	0.03	0.80	0.83
Mackinac	10	8.34	0.02	0.15	8.51
Macomb	65	4.20	2.51	2.01	8.72
Manistee	45	18.65	19.08	4.20	41.93
Marquette	33	269.81	14.62	2.87	287.30
Mason	39	18.19	0.56	1.94	20.69
Mecosta	32	0.00	0.54	4.99	5.53
Menominee	11	1.15	2.87	0.24	4.26
Midland	15	0.07	4.04	0.32	4.43
Missaukee	21	0.00	0.18	2.25	2.43
Monroe	45	1,723.26	5.00	15.82	1,744.08
Montcalm	103	0.00	4.99	29.70	34.69
Montmorency	6	0.00	0.21	0.28	0.49
Muskegon	80	309.09	5.99	8.55	323.63
Newaygo	39	0.00	0.72	2.79	3.51
Oakland	201	0.00	1.87	28.87	30.74
Oceana	40	0.00	0.72	3.09	3.81
Ogemaw	13	0.00	0.12	0.62	0.74
Ontonagon	9	14.45	0.00	0.10	14.55
Osceola	23	0.00	0.21	3.91	4.12
Oscoda	9	0.00	0.16	0.35	0.51

County	Number of Facilities	Water Withdrawn (MGD)			Total
		Great Lakes	Surface Water	Ground Water	
Otsego	29	0.00	0.08	2.44	2.52
Ottawa	187	726.33	41.07	7.71	775.11
Presque Isle	26	5.10	1.45	3.07	9.62
Roscommon	24	0.00	0.10	0.66	0.76
Saginaw	54	11.93	2.73	1.98	16.64
Saint Clair	104	1,648.03	0.25	1.21	1,649.49
Saint Joseph	235	0.00	14.37	36.15	50.52
Sanilac	42	0.18	0.45	4.54	5.17
Schoolcraft	6	5.46	6.16	0.02	11.64
Shiawassee	36	0.00	0.63	3.48	4.11
Tuscola	46	3.31	0.18	4.41	7.90
Van Buren	143	68.62	1.11	8.73	78.46
Washtenaw	87	0.00	16.92	11.02	27.94
Wayne	138	1,805.88	12.69	1.09	1,819.66
Wexford	22	0.00	0.12	6.03	6.15
<b>Total</b>	<b>4,260</b>	<b>9,675.31</b>	<b>443.85</b>	<b>513.36</b>	<b>10,632.52</b>

\* This report is provided by the Michigan Department of Environmental Quality and was generated using data collected for the water use reporting program for thermoelectric power generation, public water supply, self-supplied industrial, and irrigation.

# Index Map of Michigan Counties



**Table 2: 2001 Water Withdrawals for Major Water Uses in Michigan, by Hydrologic Basin\***

Hydrologic Basin Code	Number of Facilities	Water Withdrawn ((MGD))			Total
		Great Lakes	Surface Water	Ground Water	
04010302	3	0.00	0.00	1.41	1.41
04020101	10	6.45	0.00	0.76	7.21
04020102	7	8.00	0.00	0.14	8.14
04020103	28	0.01	0.03	3.74	3.78
04020104	2	0.00	0.03	0.02	0.05
04020105	23	273.04	0.04	1.62	274.70
04020201	11	5.50	0.03	0.87	6.40
04020202	7	0.00	0.03	0.70	0.73
04020203	2	0.00	0.00	0.09	0.09
04030106	19	0.00	0.00	2.33	2.33
04030107	5	0.00	0.43	0.25	0.68
04030108	23	0.00	20.84	3.54	24.38
04030109	7	1.15	0.04	0.09	1.28
04030110	14	0.00	15.03	1.15	16.18
04030111	18	22.58	0.37	0.65	23.60
04030112	2	0.00	0.00	0.06	0.06
04040001	19	2,045.36	1.19	0.29	2,046.84
04050001	786	7.96	28.91	89.88	126.75
04050002	185	796.79	3.12	6.20	806.11
04050003	296	0.00	16.74	88.78	105.52
04050004	160	0.00	208.38	56.04	264.42
04050005	67	0.00	1.06	6.04	7.10
04050006	315	51.14	45.53	41.50	138.17
04050007	70	0.00	1.21	5.06	6.27
04060101	137	28.22	1.37	9.34	38.93
04060102	171	298.81	8.46	26.09	333.36
04060103	57	18.65	19.37	8.85	46.87
04060104	80	0.00	0.29	4.68	4.97
04060105	199	46.13	0.48	29.56	76.17
04060106	8	0.00	6.19	0.08	6.27
04060107	3	5.46	0.00	0.09	5.55
04070001	10	2.79	0.03	0.99	3.81
04070002	5	8.33	0.00	0.03	8.36

Hydrologic Basin Code	Number of Facilities	Water Withdrawn ((MGD))			
		Great Lakes	Surface Water	Ground Water	Total
04070003	30	8.02	1.18	2.39	11.59
04070004	32	0.00	0.33	2.47	2.80
04070005	4	0.00	0.05	0.67	0.72
04070006	24	116.52	0.65	2.00	119.17
04070007	49	0.00	0.66	3.79	4.45
04080101	45	39.44	0.36	1.32	41.12
04080102	19	0.23	0.72	0.37	1.32
04080103	81	4.29	2.26	3.83	10.38
04080104	78	210.23	0.10	0.66	210.99
04080201	39	0.07	4.07	2.04	6.18
04080202	56	0.00	1.68	7.35	9.03
04080203	109	0.00	1.18	11.41	12.59
04080204	109	0.00	2.53	7.77	10.30
04080205	44	0.47	0.59	4.52	5.58
04080206	55	645.20	3.62	0.64	649.46
04090001	75	1,489.28	1.35	4.58	1,495.21
04090002	17	6.33	0.19	0.12	6.64
04090003	145	6.87	3.33	21.13	31.33
04090004	165	1,798.07	3.19	2.10	1,803.36
04090005	188	0.64	26.76	18.44	45.84
04100001	37	1,714.69	2.53	7.73	1,724.95
04100002	91	8.59	7.15	16.16	31.90
04100003	7	0.00	0.03	0.10	0.13
04100006	12	0.00	0.14	0.85	0.99
Total	4,260	9,675.31	443.85	513.36	10,632.52

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# Index Map of Michigan Hydrologic Basins

