

**Table 1: 2004 Water Withdrawals for Community Public Water Supply Systems  
Michigan, by County\***

County	Number of Systems Served**	Water Withdrawn (MGD)			Total
		Great Lakes	Surface Water	Ground Water	
Alcona	6	0.00	0.00	0.09	0.09
Alger	6	0.00	0.00	0.56	0.56
Allegan	47	0.00	0.00	5.58	5.58
Alpena	4	2.10	0.00	0.59	2.70
Antrim	10	0.00	0.00	1.49	1.49
Arenac	17	83.52	0.00	0.02	83.54
Baraga	3	0.60	0.00	0.00	0.60
Barry	18	0.00	0.00	1.75	1.75
Bay	17	10.10	0.00	0.00	10.10
Benzie	11	0.00	0.00	0.72	0.72
Berrien	52	12.02	0.00	4.16	16.18
Branch	13	0.00	0.00	3.43	3.43
Calhoun	21	0.00	0.00	14.96	14.96
Cass	19	0.00	0.00	1.42	1.42
Charlevoix	17	0.73	0.00	1.41	2.14
Cheboygan	8	0.00	0.00	1.18	1.18
Chippewa	6	2.11	0.00	1.09	3.20
Clare	4	0.00	0.00	0.88	0.88
Clinton	15	0.00	0.00	1.73	1.73
Crawford	5	0.00	0.00	0.75	0.75
Delta	7	2.18	0.00	0.08	2.26
Dickinson	7	0.00	0.00	2.67	2.67
Eaton	14	0.00	0.00	3.32	3.32
Emmet	31	0.00	0.00	3.74	3.74
Genesee	47	0.00	0.00	5.55	5.55
Gladwin	7	0.00	0.00	0.48	0.48
Gogebic	10	0.00	0.00	1.81	1.81
Grand Traverse	24	4.86	0.00	1.70	6.55
Gratiot	11	0.00	0.66	1.91	2.58
Hillsdale	12	0.00	0.00	2.07	2.07
Houghton	19	0.00	0.00	3.50	3.50
Huron	20	1.49	0.00	1.15	2.65

Water Withdrawn (MGD)

County	Number of Systems Served**	Great Lakes	Surface Water	Ground Water	Total
Ingham	24	0.00	0.11	39.70	39.81
Ionia	18	0.00	0.00	5.21	5.21
Iosco	11	1.29	0.00	0.03	1.32
Iron	18	0.00	0.00	2.08	2.08
Isabella	11	0.00	0.00	3.28	3.28
Jackson	28	0.00	0.00	11.67	11.67
Kalamazoo	22	0.00	0.00	25.35	25.35
Kalkaska	1	0.00	0.00	0.40	0.40
Kent	47	54.06	0.00	7.74	61.80
Keweenaw	4	0.01	0.00	0.04	0.05
Lake	4	0.00	0.00	0.27	0.27
Lapeer	11	0.00	0.00	0.47	0.47
Leelanau	16	0.00	0.00	0.48	0.48
Lenawee	28	0.00	2.95	3.51	6.46
Livingston	48	0.00	0.00	5.12	5.12
Luce	3	0.00	0.00	0.56	0.56
Mackinac	5	1.19	0.00	0.01	1.20
Macomb	12	4.15	0.00	0.82	4.97
Manistee	12	0.00	0.00	1.63	1.63
Marquette	24	2.83	0.00	2.64	5.47
Mason	10	2.01	0.00	0.14	2.15
Mecosta	13	0.00	0.00	1.26	1.26
Menominee	5	1.18	0.00	0.17	1.35
Midland	6	0.08	0.00	0.16	0.24
Missaukee	2	0.00	0.00	0.43	0.43
Monroe	8	12.64	0.65	0.17	13.46
Montcalm	12	0.00	0.00	3.79	3.79
Montmorency	3	0.00	0.00	0.12	0.12
Muskegon	23	16.36	0.00	2.04	18.40
Newaygo	10	0.00	0.00	2.47	2.47
Oakland	87	0.00	0.00	23.33	23.33
Oceana	5	0.00	0.00	1.04	1.04
Ogemaw	7	0.00	0.00	0.40	0.40
Ontonagon	5	0.33	0.00	0.10	0.43
Osceola	6	0.00	0.00	3.01	3.01

Water Withdrawn (MGD)

County	Number of Systems Served**	Great Lakes	Surface Water	Ground Water	Total
Oscoda	6	0.00	0.00	0.08	0.08
Otsego	10	0.00	0.00	1.15	1.15
Ottawa	31	42.45	0.00	0.26	42.71
Presque Isle	4	0.00	0.00	0.59	0.59
Roscommon	14	0.00	0.00	0.24	0.24
Saginaw	25	12.40	0.00	0.47	12.87
Saint Clair	75	171.80	0.00	0.52	172.31
Saint Joseph	19	0.00	0.00	3.83	3.83
Sanilac	18	0.15	0.00	1.50	1.65
Schoolcraft	3	0.00	0.40	0.03	0.43
Shiawassee	26	0.00	0.00	3.02	3.02
Tuscola	16	0.00	0.00	2.60	2.60
Van Buren	29	1.64	0.00	3.09	4.73
Washtenaw	23	0.00	13.00	7.69	20.69
Wayne	75	434.90	0.00	0.00	434.90
Wexford	6	0.00	0.00	2.73	2.73
Total	1,437	879.17	17.78	247.26	1,144.20

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

\*\* Water withdrawn in one county is often delivered to community public water supply systems in several counties, where the water is used. In those cases, the number of systems served reported in this table represents systems both within and outside of the withdrawal county.

# Index Map of Michigan Counties



**Table 2: 2004 Water Withdrawals for Community Public Water Supply Systems  
Michigan, by Hydrologic Basin\***

Hydrologic Basin Code	Number of Systems Served**	Water Withdrawn (MGD)			Total
		Great Lakes	Surface Water	Ground Water	
04010302	2	0.00	0.00	1.06	1.06
04020101	7	0.00	0.00	0.70	0.70
04020102	6	0.33	0.00	0.15	0.48
04020103	23	0.01	0.00	3.54	3.54
04020104	1	0.00	0.00	0.00	0.00
04020105	15	3.43	0.00	1.50	4.93
04020201	8	0.00	0.00	0.57	0.57
04020202	3	0.00	0.00	0.56	0.56
04020203	1	0.00	0.00	0.05	0.05
04030106	18	0.00	0.00	2.08	2.08
04030107	1	0.00	0.00	0.18	0.18
04030108	10	0.00	0.00	2.78	2.78
04030109	2	1.18	0.00	0.05	1.23
04030110	6	0.00	0.00	0.90	0.90
04030111	7	2.18	0.00	0.07	2.25
04030112	1	0.00	0.00	0.02	0.02
04040001	10	2.70	0.00	0.17	2.86
04050001	126	7.44	0.00	23.82	31.26
04050002	43	45.89	0.00	0.52	46.41
04050003	81	0.00	0.00	40.07	40.07
04050004	65	0.00	0.11	53.60	53.71
04050005	21	0.00	0.00	2.64	2.64
04050006	64	54.06	0.00	14.58	68.64
04050007	29	0.00	0.00	3.91	3.91
04060101	40	10.73	0.00	3.52	14.25
04060102	47	7.63	0.00	9.53	17.16
04060103	11	0.00	0.00	2.09	2.09
04060104	26	0.00	0.00	1.27	1.27
04060105	83	5.59	0.00	8.81	14.40
04060106	5	0.00	0.40	0.07	0.47
04060107	1	0.00	0.00	0.00	0.00
04070001	4	2.11	0.00	1.00	3.11

Hydrologic Basin Code	Number of Systems Served**	Water Withdrawn (MGD)			Total
		Great Lakes	Surface Water	Ground Water	
04070002	3	1.19	0.00	0.04	1.23
04070003	8	0.00	0.00	0.50	0.50
04070004	17	0.00	0.00	1.01	1.01
04070005	2	0.00	0.00	0.22	0.22
04070006	6	2.10	0.00	0.71	2.81
04070007	26	0.09	0.00	2.15	2.24
04080101	29	84.73	0.00	0.41	85.13
04080102	3	0.09	0.00	0.02	0.12
04080103	20	0.44	0.00	1.17	1.62
04080104	65	159.20	0.00	0.27	159.47
04080201	21	0.08	0.00	1.57	1.65
04080202	16	0.00	0.66	4.59	5.25
04080203	58	0.00	0.00	9.07	9.07
04080204	47	0.00	0.00	3.00	3.00
04080205	14	0.00	0.00	2.80	2.80
04080206	36	22.50	0.00	0.00	22.50
04090001	28	12.01	0.00	2.14	14.15
04090002	8	6.12	0.00	0.01	6.12
04090003	51	7.84	0.00	17.46	25.30
04090004	83	426.87	0.00	0.95	427.82
04090005	77	0.00	13.00	12.60	25.60
04100001	4	3.36	0.00	0.08	3.44
04100002	36	9.27	3.60	5.87	18.74
04100003	5	0.00	0.00	0.07	0.07
04100006	7	0.00	0.00	0.73	0.73
Total	1,437	879.17	17.78	247.26	1,144.20

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\*\* Water withdrawn in one hydrologic basin is often delivered to community public water supply systems in several basins, where the water is used. In those cases, the number of systems served reported in this table represents systems both within and outside of the withdrawal basin.

# Index Map of Michigan Hydrologic Basins

