

Table 1: 1999 Water Withdrawals for Community Public Water Supply Systems in Michigan, by County*

County	Number of Systems Served**	Water Withdrawn (MGD)			Total
		Great Lakes	Surface Water	Ground Water	
Alcona	6	0.00	0.00	0.10	0.10
Alger	6	0.00	0.00	0.73	0.73
Allegan	46	0.00	0.00	5.79	5.79
Alpena	4	2.28	0.00	0.65	2.93
Antrim	12	0.00	0.00	1.40	1.40
Arenac	16	38.69	0.00	0.02	38.71
Baraga	4	0.67	0.00	0.01	0.68
Barry	17	0.00	0.00	1.63	1.63
Bay	17	10.83	0.00	0.00	10.83
Benzie	11	0.00	0.00	0.89	0.89
Berrien	56	14.00	0.00	5.17	19.16
Branch	13	0.00	0.00	3.81	3.81
Calhoun	22	0.00	0.00	17.16	17.16
Cass	18	0.00	0.00	1.70	1.70
Charlevoix	16	0.73	0.00	1.74	2.47
Cheboygan	11	0.00	0.00	1.21	1.21
Chippewa	6	2.06	0.00	0.97	3.03
Clare	5	0.00	0.00	1.12	1.12
Clinton	17	0.00	0.00	2.67	2.67
Crawford	5	0.00	0.00	0.88	0.88
Delta	7	2.54	0.00	0.13	2.67
Dickinson	7	0.00	0.00	2.76	2.76
Eaton	14	0.00	0.00	3.46	3.46
Emmet	26	0.00	0.00	3.08	3.08
Genesee	50	0.00	0.00	6.74	6.74
Gladwin	7	0.00	0.00	0.52	0.52
Gogebic	10	0.00	0.00	2.08	2.08
Grand Traverse	26	4.69	0.00	1.92	6.61
Gratiot	11	0.00	1.25	2.17	3.43
Hillsdale	12	0.00	0.00	2.25	2.25
Houghton	21	0.00	0.00	3.60	3.60
Huron	17	1.04	0.00	1.58	2.62

Water Withdrawn (MGD)

County	Number of Systems Served**	Water Withdrawn (MGD)			Total
		Great Lakes	Surface Water	Ground Water	
Ingham	24	0.00	0.16	35.30	35.45
Ionia	17	0.00	0.00	5.90	5.90
Iosco	11	1.24	0.00	0.03	1.28
Iron	18	0.00	0.00	2.05	2.05
Isabella	12	0.00	0.00	3.65	3.65
Jackson	30	0.00	0.00	13.28	13.28
Kalamazoo	24	0.00	0.00	28.02	28.02
Kalkaska	1	0.00	0.00	0.55	0.55
Kent	45	47.97	0.71	6.49	55.17
Keweenaw	4	0.01	0.00	0.04	0.05
Lake	3	0.00	0.00	0.22	0.22
Lapeer	10	0.00	0.00	0.50	0.50
Leelanau	16	0.00	0.00	0.62	0.62
Lenawee	27	0.00	3.38	3.62	7.01
Livingston	45	0.00	0.00	5.98	5.98
Luce	3	0.00	0.00	0.67	0.67
Mackinac	4	1.68	0.00	0.01	1.70
Macomb	11	4.48	0.00	1.35	5.84
Manistee	11	0.00	0.00	1.93	1.93
Marquette	27	3.11	0.00	3.51	6.62
Mason	9	2.29	0.00	0.12	2.41
Mecosta	12	0.00	1.36	0.11	1.47
Menominee	5	1.04	0.00	0.18	1.23
Midland	4	0.00	0.00	0.06	0.06
Missaukee	2	0.00	0.00	0.39	0.39
Monroe	8	12.61	0.68	0.24	13.53
Montcalm	12	0.00	0.00	4.04	4.04
Montmorency	3	0.00	0.00	0.14	0.14
Muskegon	22	16.35	0.00	2.38	18.73
Newaygo	10	0.00	0.00	2.74	2.74
Oakland	101	0.00	0.00	24.45	24.45
Oceana	5	0.00	0.00	1.23	1.23
Ogemaw	7	0.00	0.00	0.45	0.45
Ontonagon	6	0.37	0.00	0.11	0.48
Osceola	7	0.00	0.00	3.22	3.22

County	Number of Systems Served**	Water Withdrawn (MGD)			Total
		Great Lakes	Surface Water	Ground Water	
Oscoda	5	0.00	0.00	0.08	0.08
Otsego	6	0.00	0.00	1.07	1.07
Ottawa	33	43.84	0.00	0.27	44.11
Presque Isle	5	0.00	0.00	0.58	0.58
Roscommon	15	0.00	0.00	0.21	0.21
Saginaw	26	11.98	0.00	0.49	12.48
Saint Clair	75	184.02	0.00	0.56	184.58
Saint Joseph	19	0.00	0.00	5.05	5.05
Sanilac	19	0.15	0.00	1.47	1.61
Schoolcraft	3	0.00	0.52	0.03	0.55
Shiawassee	26	0.00	0.00	3.33	3.33
Tuscola	17	0.00	0.00	2.47	2.47
Van Buren	28	1.40	0.00	3.31	4.71
Washtenaw	20	0.00	14.37	7.89	22.26
Wayne	74	540.79	0.00	0.00	540.79
Wexford	7	0.00	0.00	2.85	2.85
Total	1,450	950.87	22.44	261.14	1,234.45

* 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: 1999 Water Withdrawals for Community Public Water Supply Systems in 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	1.45	1.45
04020101	8	0.11	0.00	0.57	0.68
04020102	6	0.26	0.00	0.17	0.43
04020103	25	0.01	0.00	3.65	3.65
04020104	1	0.00	0.00	0.00	0.00
04020105	17	3.78	0.00	1.64	5.42
04020201	9	0.00	0.00	0.76	0.76
04020202	3	0.00	0.00	0.67	0.67
04020203	1	0.00	0.00	0.05	0.05
04030106	18	0.00	0.00	2.05	2.05
04030107	1	0.00	0.00	0.13	0.13
04030108	10	0.00	0.00	2.88	2.88
04030109	2	1.04	0.00	0.06	1.10
04030110	7	0.00	0.00	1.68	1.68
04030111	7	2.54	0.00	0.12	2.66
04030112	1	0.00	0.00	0.02	0.02
04040001	11	3.04	0.00	0.25	3.29
04050001	128	8.84	0.00	27.44	36.28
04050002	42	46.79	0.00	0.52	47.31
04050003	84	0.00	0.00	44.85	44.85
04050004	68	0.00	0.16	51.45	51.60
04050005	20	0.00	0.00	2.82	2.82
04050006	66	48.55	0.71	14.43	63.68
04050007	27	0.00	0.00	3.66	3.66
04060101	37	11.06	0.00	3.68	14.74
04060102	49	7.58	1.36	9.41	18.35
04060103	12	0.00	0.00	2.28	2.28
04060104	23	0.00	0.00	1.33	1.33
04060105	85	5.42	0.00	9.03	14.44
04060106	5	0.00	0.52	0.06	0.59
04060107	1	0.00	0.00	0.01	0.01
04070001	4	2.06	0.00	0.89	2.95

Hydrologic Basin Code	Number of Systems Served**	Water Withdrawn (MGD)			Total
		Great Lakes	Surface Water	Ground Water	
04070002	3	1.68	0.00	0.03	1.72
04070003	8	0.00	0.00	0.62	0.62
04070004	14	0.00	0.00	1.05	1.05
04070005	2	0.00	0.00	0.08	0.08
04070006	7	2.28	0.00	0.78	3.06
04070007	23	0.00	0.00	2.19	2.19
04080101	28	39.93	0.00	0.46	40.39
04080102	3	0.10	0.00	0.02	0.13
04080103	19	0.12	0.00	1.59	1.72
04080104	63	168.51	0.00	0.30	168.81
04080201	20	0.00	0.00	1.74	1.74
04080202	17	0.00	1.25	5.09	6.35
04080203	54	0.00	0.00	9.02	9.02
04080204	51	0.00	0.00	5.36	5.36
04080205	15	0.00	0.00	2.76	2.76
04080206	36	22.81	0.00	0.00	22.81
04090001	29	14.38	0.00	2.07	16.45
04090002	7	6.43	0.00	0.01	6.44
04090003	60	7.94	0.00	17.05	24.99
04090004	82	533.00	0.00	1.07	534.07
04090005	79	0.00	14.37	14.83	29.20
04100001	4	3.31	0.00	0.08	3.39
04100002	34	9.30	4.06	6.16	19.52
04100003	5	0.00	0.00	0.07	0.07
04100006	7	0.00	0.00	0.74	0.74
Total	1,450	950.87	22.44	261.14	1,234.45

* 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 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

