

Table 1: 1997 Estimated Water Withdrawals for Community Public Water Supply Systems in Michigan, by County*

County	Water Withdrawn (MGD)			Total
	Great Lakes	Surface Water	Ground Water	
Alcona	0.00	0.00	0.09	0.09
Alger	0.00	0.00	0.64	0.64
Allegan	0.00	0.00	4.55	4.55
Alpena	2.20	0.00	0.57	2.77
Antrim	0.00	0.00	1.35	1.35
Arenac	36.44	0.00	0.02	36.46
Baraga	0.65	0.00	0.00	0.65
Barry	0.00	0.00	1.52	1.52
Bay	10.45	0.00	0.00	10.45
Benzie	0.00	0.00	0.65	0.65
Berrien	13.05	0.00	4.85	17.90
Branch	0.00	0.00	3.34	3.34
Calhoun	0.00	0.00	15.92	15.92
Cass	0.00	0.00	1.44	1.44
Charlevoix	0.74	0.00	1.56	2.30
Cheboygan	0.00	0.00	1.20	1.20
Chippewa	1.92	0.00	0.87	2.79
Clare	0.00	0.00	1.08	1.08
Clinton	0.00	0.00	2.36	2.36
Crawford	0.00	0.00	0.89	0.89
Delta	2.52	0.00	0.15	2.67
Dickinson	0.00	0.00	2.71	2.71
Eaton	0.00	0.00	3.27	3.27
Emmet	0.00	0.00	3.53	3.53
Genesee	0.00	0.00	4.98	4.98
Gladwin	0.00	0.00	0.53	0.53
Gogebic	0.00	0.00	2.10	2.10
Grand Traverse	4.64	0.00	1.63	6.27
Gratiot	0.00	1.43	2.07	3.50
Hillsdale	0.00	0.00	2.11	2.11
Houghton	0.00	0.00	3.48	3.48
Huron	0.93	0.00	1.35	2.28

Water Withdrawn (MGD)

County	Great Lakes	Surface Water	Ground Water	Total
Ingham	0.00	0.14	31.97	32.11
Ionia	0.00	0.00	5.19	5.19
Iosco	1.21	0.00	0.04	1.25
Iron	0.00	0.00	2.24	2.24
Isabella	0.00	0.00	3.39	3.39
Jackson	0.00	0.00	11.78	11.78
Kalamazoo	0.00	0.00	26.45	26.45
Kalkaska	0.00	0.00	0.58	0.58
Kent	49.38	0.76	6.67	56.81
Keweenaw	0.01	0.00	0.04	0.05
Lake	0.00	0.00	0.19	0.19
Lapeer	0.00	0.00	0.47	0.47
Leelanau	0.00	0.00	0.44	0.44
Lenawee	0.00	3.13	3.26	6.39
Livingston	0.00	0.00	5.48	5.48
Luce	0.00	0.00	0.54	0.54
Mackinac	1.34	0.00	0.01	1.35
Macomb	4.29	0.00	0.77	5.06
Manistee	0.00	0.00	1.79	1.79
Marquette	2.97	0.00	2.79	5.76
Mason	2.08	0.00	0.12	2.20
Mecosta	0.00	1.32	0.11	1.43
Menominee	0.97	0.00	0.17	1.14
Midland	0.00	0.00	0.20	0.20
Missaukee	0.00	0.00	0.55	0.55
Monroe	10.86	0.53	0.23	11.62
Montcalm	0.00	0.00	3.98	3.98
Montmorency	0.00	0.00	0.18	0.18
Muskegon	15.68	0.00	1.97	17.65
Newaygo	0.00	0.00	2.45	2.45
Oakland	0.00	0.00	21.41	21.41
Oceana	0.00	0.00	1.27	1.27
Ogemaw	0.00	0.00	0.41	0.41
Ontonagon	0.36	0.00	0.10	0.46
Osceola	0.00	0.00	2.95	2.95

Water Withdrawn (MGD)

County	Great Lakes	Surface Water	Ground Water	Total
Oscoda	0.00	0.00	0.05	0.05
Otsego	0.00	0.00	1.05	1.05
Ottawa	45.36	0.00	0.25	45.61
Presque Isle	0.00	0.00	0.77	0.77
Roscommon	0.00	0.00	0.22	0.22
Saginaw	11.17	0.00	0.48	11.65
Saint Clair	167.95	0.00	0.52	168.47
Saint Joseph	0.00	0.00	4.01	4.01
Sanilac	0.14	0.00	1.77	1.91
Schoolcraft	0.00	0.46	0.03	0.49
Shiawassee	0.00	0.00	4.42	4.42
Tuscola	0.00	0.00	2.66	2.66
Van Buren	1.22	0.00	2.96	4.18
Washtenaw	0.00	13.23	7.21	20.44
Wayne	498.47	0.00	0.00	498.47
Wexford	0.00	0.00	2.60	2.60
Total	887.00	21.00	240.00	1,148.00

* This report is provided by the Michigan Department of Environmental Quality and was generated using data collected for the water use reporting program. For 1997, public water supply withdrawals reported by the Detroit Public Water Supply System and other major municipal systems were used to estimate water withdrawals statewide.

** 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: 1997 Estimated Water Withdrawals for Community Public Water Supply Systems in Michigan, by Hydrologic Basin*

Hydrologic Basin Code	Water Withdrawn (MGD)			Total
	Great Lakes	Surface Water	Ground Water	
04010302	0.00	0.00	1.34	1.34
04020101	0.12	0.00	0.71	0.83
04020102	0.24	0.00	0.16	0.40
04020103	0.01	0.00	3.51	3.52
04020104	0.00	0.00	0.00	0.00
04020105	3.64	0.00	1.51	5.15
04020201	0.00	0.00	0.66	0.66
04020202	0.00	0.00	0.54	0.54
04020203	0.00	0.00	0.05	0.05
04030106	0.00	0.00	2.24	2.24
04030107	0.00	0.00	0.18	0.18
04030108	0.00	0.00	2.83	2.83
04030109	0.97	0.00	0.06	1.03
04030110	0.00	0.00	1.05	1.05
04030111	2.52	0.00	0.15	2.67
04030112	0.00	0.00	0.02	0.02
04040001	2.64	0.00	0.24	2.88
04050001	8.35	0.00	24.35	32.70
04050002	48.64	0.00	0.50	49.14
04050003	0.00	0.00	41.23	41.23
04050004	0.00	0.14	47.59	47.73
04050005	0.00	0.00	2.78	2.78
04050006	49.37	0.76	13.91	64.04
04050007	0.00	0.00	3.41	3.41
04060101	10.95	0.00	3.50	14.45
04060102	6.81	1.32	8.50	16.63
04060103	0.00	0.00	2.14	2.14
04060104	0.00	0.00	0.96	0.96
04060105	5.37	0.00	8.94	14.31
04060106	0.00	0.46	0.07	0.53
04060107	0.00	0.00	0.01	0.01
04070001	1.92	0.00	0.78	2.70

Hydrologic Basin Code	Water Withdrawn (MGD)			Total
	Great Lakes	Surface Water	Ground Water	
04070002	1.34	0.00	0.03	1.37
04070003	0.00	0.00	0.51	0.51
04070004	0.00	0.00	1.05	1.05
04070005	0.00	0.00	0.37	0.37
04070006	2.20	0.00	0.74	2.94
04070007	0.00	0.00	2.12	2.12
04080101	37.65	0.00	0.42	38.07
04080102	0.10	0.00	0.02	0.12
04080103	0.09	0.00	1.69	1.78
04080104	154.33	0.00	0.29	154.62
04080201	0.00	0.00	1.85	1.85
04080202	0.00	1.43	4.87	6.30
04080203	0.00	0.00	8.27	8.27
04080204	0.00	0.00	3.81	3.81
04080205	0.00	0.00	2.58	2.58
04080206	21.62	0.00	0.00	21.62
04090001	12.72	0.00	2.32	15.04
04090002	4.42	0.00	0.01	4.43
04090003	8.06	0.00	15.15	23.21
04090004	492.05	0.00	1.00	493.05
04090005	0.00	13.24	12.63	25.87
04100001	2.32	0.00	0.07	2.39
04100002	8.55	3.65	5.56	17.76
04100003	0.00	0.00	0.07	0.07
04100006	0.00	0.00	0.65	0.65
Total	887.00	21.00	240.00	1,148.00

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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

