

**Table 4.18D. Water Use and Wastewater Treatment Data for Ontario Lake Superior Basin Municipalities Over 1,000 Population, 1996 (p. 1 of 7)**

MUNICIPAL WATER USE DATA (MUD), ALL MUNICIPALITIES OVER 1000 POPULATION

ALL CANADA, PREPARED JAN. '97 LAST REVISED: MAR. '98.

SORTED BY: STANDARD GEOGRAPHIC CODE

1996 INFO. SOURCE: ENVIRONMENT CANADA, E.E.R.D., D.LACELLE (819) 953 1519.

(This col.  
new in '96)

HYDRO-METRIC AREA	91 STD GEOG. CODE	MUNICIPALITY	DATE REVISED OR ENTERED	PRESENT POPULATION	C.M.A. C.A. CODE	SIZE GROUP CODE	POPULATION						POPULATION SERVED			AVE. DAILY FLOW WATER (CU.M./D)	MAX. DAILY FLOW WATER (CU.M./D)	A.D.F. OF TREATED SEWAGE (CU.M./D)	DEGREE OF DOMESTIC WATER METERING
							1996	1991	1986	1981	1976	1971	WATER	SEWER S	SEWAGE TREAT.				
02CA	3557061	SAULT STE. MARIE	97/10/06	81,460	590	5	80,054	81,476	80,905	82,697	81,048	80,332	75,550	80,000	80,000	18,500	34,300	45,460	1
02AB	3558004	THUNDER BAY	97/10/06	113,000	595	5	113,662	113,946	112,272	112,486	111,476	108,411	103,131	104,627	106,673	62,540	95,190	65,680	1
02AC	3558041	RED ROCK	97/10/06	1,237		2	1,258	1,421	1,509	1,448	1,694	1,892	1,220	1,220	1,220	894	1,941	1,042	0
02AD	3558044	NIPIGON TWP.	95/03/06	2,350		3	2,210	2,350	2,430	2,587	2,724	2,637	2,200	2,200	2,200	1,280		1,466	0
02BA	3558054	TERRACE BAY	95/03/06	2,700		3	2,324	2,477	2,692	2,644	2,098	1,860	2,700	2,700	2,700	1,300		1,300	0
02BA	3558059	MARATHON	95/03/06	5,065		4	4,791	5,064	3,437	2,277	2,283	2,456	5,065	5,065	5,065	3,500		1,700	0

Data for Ontario Lake Superior watershed municipalities extracted from Ontario database by GEM Center for Science and Environmental Outreach Michigan Technological University, May 2000

**Table 4.18D. Water Use and Wastewater Treatment Data for Ontario Lake Superior Basin Municipalities Over 1,000 Population, 1996 (p. 2 of 7)**

MUNICIPALITY	WATER USE PROPORTIONS								WASTE TREATMENT INFORMATION					RURAL POPULATION SERVED		
	DOMESTIC (CU.M./D)	COMM.- INST. (CU.M./D)	INDUS. (CU.M./D)	OTHER (CU.M./D)	GROUND- WATER ONLY (POP.)	COMBINED SURF./ GROUND. (POP)	GROUND- WATER ONLY (ADF.)	COMBINED SURF./ GROUND. (ADF)	POP. W/NO SEWAGE TREAT.	PRIMARY TREAT.	WASTE STABI- LIZATION PONDS	SECON- DARY TREAT.	TERTI-ARY TREAT.	WATER	SEWERS	SEWAGE TREAT.
	SAULT STE. MARIE	6,845	7,770	925	2,960	37,775		9,250	1,460	60,000			20,000			
THUNDER BAY	27,518	17,511	10,632	6,879				6,327	106,673							
RED ROCK	224	107	456	107				17	1,220							
NIPIGON TWP.	768	320	128	64				150	2,200							
TERRACE BAY	1,040	195	65						500	2,200						
MARATHON	2,800	350	350		5,065		3,500					5,065				

**Table 4.18D. Water Use and Wastewater Treatment Data for Ontario Lake Superior Basin Municipalities Over 1,000 Population, 1996 (p. 3 of 7)**

(This col.  
new in '96)

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MUNICIPALITY	QUANTITY PROBLEMS		QUALITY PROBLEMS		NOTES	1995		EFFLUENT DISINFECTION					
	YEARS	# YEARS	YEARS	# YEARS		USE RESTRICTIONS (DAYS/YR.)	BOIL DAYS (DAYS/YR.)	NONE	CHLOR.	DECHLOR.	OZONE	ULTRAVIOLET	OTHER
SAULT STE. MARIE						0	0		Y				
THUNDER BAY						120	0		Y				
RED ROCK			'90	1	LANDSLIDE ON SOURCE RIVER.	0	0		Y				
NIPIGON TWP.	'88	1	'90	1	QUANTITY=DROUGHT, QUALITY; LAND SLUMP TO NIPIGON R.				Y				
TERRACE BAY								Y					
MARATHON	'91	1	'91	1	DROUGHT, 1 WELL DOWN.				Y				

**Table 4.18D. Water Use and Wastewater Treatment Data for Ontario Lake Superior Basin Municipalities Over 1,000 Population, 1996 (p. 4 of 7)**

← (These columns new in 1996) →

(This col.  
not updated  
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MUNICIPALITY	SEWAGE PLANT 1		SEWAGE PLANT 2		SEWAGE PLANT 3		EFFLUENT DISCHARGE			WATER DISINFECTION						
	BOD5 REM.	BOD5 AVG.	BOD5 REM.	BOD5 AVG.	BOD5 REM.	BOD5 AVG.	FRESH	MARINE	OTHER	NONE	CHLORINE	CHLORAMINATION	CHLORINE DIOXIDE	OZONE	ULTRA-VIOLET	OTHER
SAULT STE. MARIE	68.00%	37	94.00%	7			Y					Y				
THUNDER BAY	59.00%	74					Y				Y					
RED ROCK	41.00%	47					Y				Y					
NIPIGON TWP.											Y					
TERRACE BAY											Y					
MARATHON											Y					



**Table 4.18D. Water Use and Wastewater Treatment Data for Ontario Lake Superior Basin Municipalities Over 1,000 Population, 1996 (p. 6 of 7)**

(This col. new in '96) ← (These columns not updated in 1996) →

MUNICIPALITY	WATER TREATMENT PROCESS, CONTINUED									WATER Plant 1 (largest)			SEWAGE Plant 1 (largest)			WATER Plant 2		
	CORROSION CONTROL	IRON/MAN-GANESE REMOVAL	PRE-FILT.	BIO. FILT.	MEM. FILT.	ION EXCH.	SEQUEST.	T. & O.	OTHER	TYPE (SELF/SGC)	BUILT (YEAR)	RENOV. (YEAR)	TYPE (SELF/SGC)	BUILT (YEAR)	RENOV. (YEAR)	TYPE (SELF/SGC)	BUILT (YEAR)	RENOV. (YEAR)
SAULT STE. MARIE										SELF	82	82	SELF-EAS	67	89			
THUNDER BAY	Y									SELF-BAR	8	78	SELF	64	91	SELF-LOC	9	65
RED ROCK										SELF	39	76	SELF	77	77			
NIPIGON TWP.										SELF	NR	NR	SELF	NR	NR			
TERRACE BAY										SELF	47	76	SELF-SEP	NR	NR			
MARATHON										SELF	53	91	SELF	80	85			

**Table 4.18D. Water Use and Wastewater Treatment Data for Ontario Lake Superior Basin Municipalities Over 1,000 Population, 1996 (p. 7 of 7)**

MUNICIPALITY	SEWAGE Plant 2			WATER Plant 3			SEWAGE Plant 3			1993		LATITUDE	LONGITUDE	SORT
	TYPE (SELF/SGC)	BUILT (YEAR)	RENOV. (YEAR)	TYPE (SELF/SGC)	BUILT (YEAR)	RENOV. (YEAR)	TYPE (SELF/SGC)	BUILT (YEAR)	RENOV. (YEAR)	USE RE-STRICCTIONS (DAYS/YR)	BOIL DAYS (DAYS/YR)			
SAULT STE. MARIE	SELF-WES	8	85							0	0	46 31	84 20	933
THUNDER BAY										0	0	48 26	89 13	934
RED ROCK												48 55	88 15	935
NIPIGON TWP.										0	0	48 55	88 15	936
TERRACE BAY	SELF-STP	76	80							0	0	48 47	87 09	937
MARATHON										0	0	49 46	86 26	938