

Table 2.1
Major withdrawal uses of water, 1981, 1986, 1991 and 1996

Sector/Industry	Year	Total intake ¹		Recirculation ²		Gross water use ³		Total discharge ⁴		Consumption ⁵	
		Quantity million m ³	Change from previous period	Quantity million m ³	Change from previous period	Quantity million m ³	Change from previous period	Quantity million m ³	Change from previous period	Quantity million m ³	Change from previous period
			percent		percent		percent		percent		percent
Business sector											
Primary resource industries											
Agriculture	1981	3 125	...	0	...	3 125	...	713	...	2 412	...
	1986	3 559	13.9	0	...	3 559	13.9	807	13.2	2 752	14.1
	1991	3 991	12.1	0	...	3 991	12.1	902	11.8	3 089	12.2
	1996	4 098	2.7	0	...	4 098	2.7	1 062	17.7	3 036	-1.7
Mining	1981	624	...	1 742	...	2 366	...	621	...	3	...
	1986	544	-12.8	1 159	-33.5	1 703	-28.0	542	-12.7	2	-33.3
	1991	489	-10.1	1 221	5.3	1 710	0.4	489	-9.8	1	-50.0
	1996	681	39.3	1 196	-2.0	1 878	9.8	672	37.4	9	800.0
Other primary resource industries	1981	251	...	1 050	...	1 302	...	188	...	63	...
	1986	180	-28.3	873	-16.9	1 054	-19.0	118	-37.2	62	-1.6
	1991	183	1.7	735	-15.8	918	-12.9	111	-5.9	71	14.5
	1996	231	26.2	1 013	37.8	1 244	35.5	138	24.3	92	29.6
Manufacturing industries											
Paper and allied products	1981	3 170	...	4 612	...	7 782	...	2 989	...	181	...
	1986	3 082	-2.8	3 121	-32.3	6 203	-20.3	2 876	-3.8	206	13.8
	1991	2 943	-4.5	2 206	-29.3	5 149	-17.0	2 758	-4.1	185	-10.2
	1996	2 505	-14.9	3 141	42.4	5 646	9.7	2 277	-17.4	228	23.2
Primary metal	1981	2 074	...	1 325	...	3 399	...	2 003	...	71	...
	1986	2 057	-0.8	1 945	46.8	4 002	17.7	2 014	0.5	43	-39.4
	1991	1 610	-21.7	1 689	-13.2	3 298	-17.6	1 518	-24.6	92	114.0
	1996	1 428	-11.3	1 416	-16.2	2 845	-13.7	1 308	-13.8	120	30.4
Chemical and chemical products	1981	3 188	...	1 285	...	4 473	...	2 963	...	225	...
	1986	1 694	-46.9	1 494	16.3	3 189	-28.7	1 630	-45.0	64	-71.6
	1991	1 326	-21.7	979	-34.5	2 305	-27.7	1 231	-24.5	95	48.4
	1996	1 182	-10.9	1 357	38.6	2 539	10.2	1 083	-12.0	99	4.2
Other manufacturing industries	1981	1 721	...	2 286	...	4 007	...	1 588	...	133	...
	1986	1 548	-10.1	1 880	-17.8	3 427	-14.5	1 422	-10.5	126	-5.3
	1991	1 532	-1.0	1 808	-3.8	3 340	-2.5	1 357	-4.6	175	38.9
	1996	1 282	-16.3	1 067	-41.0	2 349	-29.7	1 131	-16.7	151	-13.7
Electric power and other utilities	1981	18 166	...	1 868	...	20 034	...	18 084	...	82	...
	1986	24 963	37.4	3 776	102.1	28 740	43.5	24 702	36.6	261	218.3
	1991	28 288	13.3	3 374	-10.6	31 662	10.2	28 183	14.1	105	-59.8
	1996	28 664	1.3	11 617	244.3	40 281	27.2	28 183	0.0	481	358.1
Other industries	1981	638	...	0	...	638	...	575	...	63	...
	1986	736	15.4	0	...	736	15.4	660	14.8	76	20.6
	1991	816	10.9	0	...	816	10.9	737	11.7	79	3.9
	1996	880	7.8	0	...	880	7.8	796	8.0	84	6.3
Subtotal, business sector	1981	32 957	...	14 168	...	47 126	...	29 724	...	3 233	...
	1986	38 363	16.4	14 248	0.6	52 613	11.6	34 771	17.0	3 592	11.1
	1991	41 178	7.3	12 012	-15.7	53 189	1.1	37 286	7.2	3 892	8.4
	1996	40 951	-0.6	20 807	73.2	61 760	16.1	36 650	-1.7	4 300	10.5
Personal and government sectors											
	1981	3 760	...	0	...	3 760	...	3 363	...	397	...
	1986	3 719	-1.1	0	...	3 719	-1.1	3 338	-0.7	381	-4.0
	1991	3 802	2.2	0	...	3 802	2.2	3 374	1.1	428	12.4
	1996	3 922	3.2	0	...	3 922	3.2	3 482	3.2	440	2.8
Total, whole economy	1981	36 717	...	14 169	...	50 886	...	33 087	...	3 630	...
	1986	42 083	14.6	14 248	0.6	56 330	10.7	38 109	15.2	3 973	9.4
	1991	44 979	6.9	12 012	-15.7	56 991	1.2	40 659	6.7	4 320	8.7
	1996	44 873	-0.2	20 807	73.2	65 682	15.2	40 132	-1.3	4 740	9.7

Notes:

Figures may not add up to totals due to rounding.

1. The quantity of water withdrawn from a water source.

2. The amount of water used more than once in an industrial application.

3. Gross water use equals total water intake plus recirculation.

4. The quantity of water returned to the water source.

5. Consumption is that part of water intake that is evaporated, incorporated into products or crops, consumed by humans or livestock, or otherwise removed from the local hydrologic environment.

Source:

Statistics Canada, Environment Accounts and Statistics Division.