

Table 4.6
CANADIAN WATER SUPPLIES AND DEMANDS
millions of cubic metres per year

River Basin Region	Current Reliable Annual Flows ^a	1981 Withdrawals ^b	1981 Consumption	2011 Withdrawals Low Estimate	2011 Withdrawals High Estimate
Pacific Coastal	396,400	2,134	69	2,025	4,398
Fraser-Lower Mainland	96,000 ^c	975	219	974	2,047
Okanagan- Similkameen	971 ^d	312	146	300	681
Columbia	51,850 ^d	305	33	292	654
Yukon	56,950 ^d	16	1	33	50
Peace-Athabasca	58,720	251	155	304	585
Lower Mackenzie	192,800 ^e	26	2	46	68
Arctic Coast-Islands	186,670	—	—	—	—
Missouri	105 ^d	156	38	215	365
North Saskatchewan	5,046	1,405	154	2,041	3,267
South Saskatchewan	4,636 ^{cd}	2,578	1,680	2,601	6,058
Assiniboine-Red	497 ^d	1,012	207	1,354	2,284
Winnipeg	12,040 ^{cd}	143	3	152	312
Lower Sask.-Nelson	34,937 ^{de}	122	25	132	310
Churchill	10,190 ^c	1	—	—	—
Keewatin	92,870	1	1	—	—
Northern Ontario	117,700 ^c	128	2	120	269
Northern Quebec	404,300 ^c	121	9	143	268
Great Lakes	75,780 ^d	20,850	567	28,471	46,655
Ottawa	43,840	638	77	626	1,304
St. Lawrence	47,430 ^{de}	3,320	343	3,317	6,774
North Shore-Gaspé	203,000	443	39	394	876
St. John-St. Croix	15,990 ^d	892	54	1,164	1,786
Maritime Coastal	65,564	1,736	68	2,238	3,565
Newfoundland- Labrador	217,900	299	14	344	542
CANADA	2,392,186	37,864	3,906	47,738	84,039

Note:

^a Flow equalled or exceeded, on average, in 19 out of 20 years.

^b For municipal, rural residential, industrial, mining, agricultural, thermoelectric power uses.

Rural residential uses are excluded from 2011 forecasts.

^c Excludes flow transferred into neighboring basin region.

^d Excludes inflow from United States portion of basin region.

^e Excludes inflow from upper basin region.

Source: Flow data from Inland Waters Directorate, Environment Canada. Data on demands from Tate, Donald M. 1985. "Alternative Forecasts of Canadian Water Uses, 1981-2011". *Research Paper No. 17, Inquiry on Federal Water Policy*.