

Table 2. Environment Canada meteorological stations. The last column indicates the percentage of missing values over the reference period (1980–2010)

ID	Name	Latitude	Longitude	Altitude (m)	Start date	End date	Missing (%)
7050140	AMQUI	48.5167	-67.45	182.9	1957-03-01	1997-10-31	44
7051200	CAUSAPSCAL	48.3667	-67.2333	168	1913-11-06	2012-05-31	6.2
7053649	LAC HUMQUI	48.2833	-67.5667	235.9	1972-12-01	2012-05-31	0.8
7053935	L'ALVERNE	48.1333	-66.7	290	1977-05-05	1999-05-07	38.9
7055422	NEW CARLISLE 1	48.0119	-65.3317	46.4	1994-01-27	2012-07-17	45
7055675	NOTRE DAME DU LAC	47.6	-68.8	320	1963-01-01	2004-04-30	34.2
7055705	NOUVELLE	48.1	-66.3	7	1969-07-01	2004-04-30	34.4
7056600	RIVIERE BLEUE	47.4333	-69.0333	213	1950-11-01	2004-04-30	44.5
7056814	ST ALEXIS DE MATAPEDIA	47.9833	-67.0667	274	1964-07-07	2004-04-30	38.7
7057024	ST CLEMENT	47.9167	-69.1	259.1	1964-07-06	2004-04-30	34.3
7057304	ST GUY	48.05	-68.8167	320	1963-01-01	2004-04-30	34.4
7057720	STE ROSE DU DEGELIS	47.5667	-68.6333	150.9	1932-11-01	2004-04-30	34.2
7058520	TRINITE DES MONTS	48.1333	-68.4833	262	1951-07-01	2004-04-30	36.6
8100100	ACADIA FOREST EXP ST	45.9903	-66.3633	54	1955-01-01	2006-02-28	16.3
8100200	ALMA	45.6	-64.95	42.7	1950-02-01	2006-02-28	16.5
8100300	AROOSTOOK	46.7122	-67.7156	80	1929-06-01	2005-02-28	28.2
8100430	BALTIMORE	45.8833	-64.8167	182.9	1982-02-01	1997-12-31	47.7
8100467	BAS CARAQUET	47.8022	-64.8333	5	1993-09-01	2012-07-17	43.1
8100503	BATHURST A	47.6292	-65.7483	58.8	1992-07-01	2012-07-17	42.2
8100512	BEECHWOOD	46.5333	-67.6667	91.4	1966-04-01	1997-04-30	47.2
8100518	BERTRAND	47.75	-65.0667	22.9	1964-02-01	2006-02-28	44
8100566	BON ACCORD	46.6508	-67.5845	450.3	1966-07-07	2005-05-31	22.3
8100590	BUCTOUCHE	46.5167	-64.7167	10.7	1965-10-15	1999-07-31	38.9
8100593	BUCTOUCHE CDA CS	46.4303	-64.7681	35.9	1991-08-01	2012-07-17	38.3
8100880	CHARLO A	47.9833	-66.3333	40.2	1966-12-01	2003-03-19	26
8101000	MIRAMICHI A	47.0095	-65.4678	32.9	1943-01-01	2005-08-31	18.2
8101151	COLESON COVE	45.15	-66.2	30.5	1972-11-01	2001-05-31	33.1
8101200	DOAKTOWN	46.5525	-66.1403	57	1952-08-01	2006-02-28	16.5
8101500	FREDERICTON A	45.8721	-66.5279	20.7	1951-04-08	2012-01-12	0
8101600	FREDERICTON CDA	45.9167	-66.6167	39.6	1913-08-01	2000-09-30	34.2
8101746	FUNDY PARK (ALMA) CS	45.6	-64.95	42.7	1993-07-01	2012-07-17	43.9
8101800	GAGETOWN 2	45.7833	-66.15	33.5	1897-04-01	2006-02-28	17.8
8102151	HARCOURT	46.5	-65.2667	39.6	1981-07-01	2004-05-31	23.7
8102206	HAUT SHIPPAGAN	47.75	-64.7667	6	1986-10-01	2006-02-28	35.3
8102234	HOYT BLISSVILLE	45.6	-66.5667	15.2	1981-06-01	2001-04-30	33.6
8102275	JUNIPER	46.55	-67.1667	259.1	1969-07-01	2004-03-31	23.2
8102536	MACTAQUAC PROV PARK	45.9544	-66.8986	110	1973-12-01	2006-01-31	18.4

8102566	MAPLETON	46.1833	-67.2333	167.6	1972-02-01	2005-05-31	21.2
8103050	MISCOU ISLAND (AUT)	48.0089	-64.4942	4	1957-11-16	2012-07-17	46.3
8103100	MONCTON	46.1014	-64.7903	12.2	1881-07-22	2006-02-28	18.4
8103200	MONCTON A	46.1039	-64.6877	70.7	1939-12-01	2012-06-10	0
8103256	MOUNT CARLETON	47.4167	-66.9333	265.1	1973-03-01	2001-08-31	31.2
8103500	NEPISIGUIT FALLS	47.4	-65.7833	106.1	1922-07-01	2006-02-28	22.4
8103700	NICTAU	47.2333	-67.15	169.7	1978-10-18	2001-05-31	32.1
8103828	PARKINDALE	45.8667	-65.0667	152.7	1983-07-03	2006-02-28	29.2
8103845	PENNFIELD	45.1	-66.7333	22.9	1976-05-04	2003-01-31	26.4
8104201	POINT LEPREAU CS	45.0731	-66.4492	6	1992-03-01	2012-07-17	38.6
8104400	REXTON	46.6667	-64.8667	4.6	1924-09-18	2006-02-28	16.9
8104501	SACKVILLE	45.85	-64.3833	45.7	1980-12-01	2002-03-31	29.2
8104900	SAINT JOHN A	45.3181	-65.8856	108.8	1946-11-09	2012-06-10	0
8104928	ST LEONARD A	47.1578	-67.8319	241.7	1985-04-01	2012-07-16	14.2
8105058	SOUTH TETAGOUCHE	47.5833	-65.9	182.9	1983-06-01	2000-10-31	42.5
8105200	SUSSEX	45.7167	-65.5333	21.3	1897-10-01	2006-02-28	16.1
8105520	TURTLE CREEK	46	-64.9	45.7	1980-02-01	1999-07-31	21.3
8105551	UPSALQUITCH LAKE	47.4556	-66.4153	624.8	1967-10-12	2006-02-28	20.8
8105600	WOODSTOCK	46.1703	-67.5536	153	1886-11-01	2006-02-28	19
810AL00	EDMUNDSTON	47.3464	-68.1878	163	1983-08-10	2006-02-28	27.1
810JAE0	COLES ISLAND	45.9167	-65.8167	15.2	1987-11-01	2006-01-31	42.2
8203700	NAPPAN CDA	45.7667	-64.25	19.8	1890-05-01	2005-07-31	18.9
8204525	PUGWASH	45.8433	-63.6553	4.6	1974-11-12	2006-02-28	20
8300080	ALBERTON	46.85	-64.0167	3	1969-08-16	2006-02-28	16.4
8300500	LONG RIVER	46.5	-63.55	18.004	1970-08-05	2003-06-25	25.1
8300525	O'LEARY	46.7003	-64.2617	38.1	1960-11-19	2004-03-31	22.6
8300700	SUMMERSIDE A	46.4389	-63.8317	19.5	1942-05-01	2002-06-28	47.8

Table 3: Quality flag description. If a climate station has less than 15 years of data, the climatological value is not calculated.

Quality flag	Number of years with complete time series required in the 1981-2010 period
A	At least 25 years
B	At least 20 years
C	At least 15 years
D	Less than 15 years

A quality flag is defined based on the number of available years (see Table 2.2) and follows Environment Canada guidelines. This quality flag is a qualitative assessment of the uncertainty associated with the estimated climatological value for a given station. Note that this quality flag varies for each climate index because each index has different data requirements.