

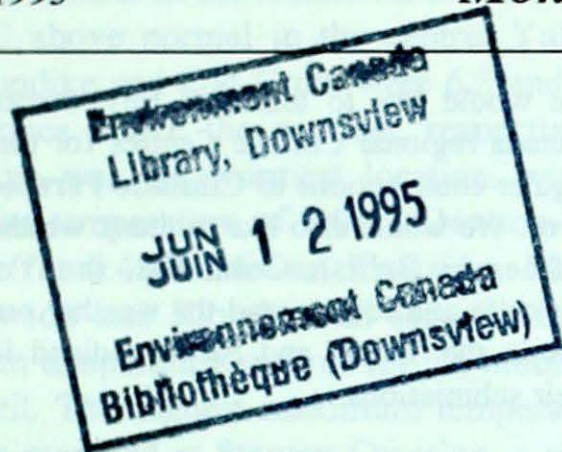


# Climatic Perspectives

April 1995

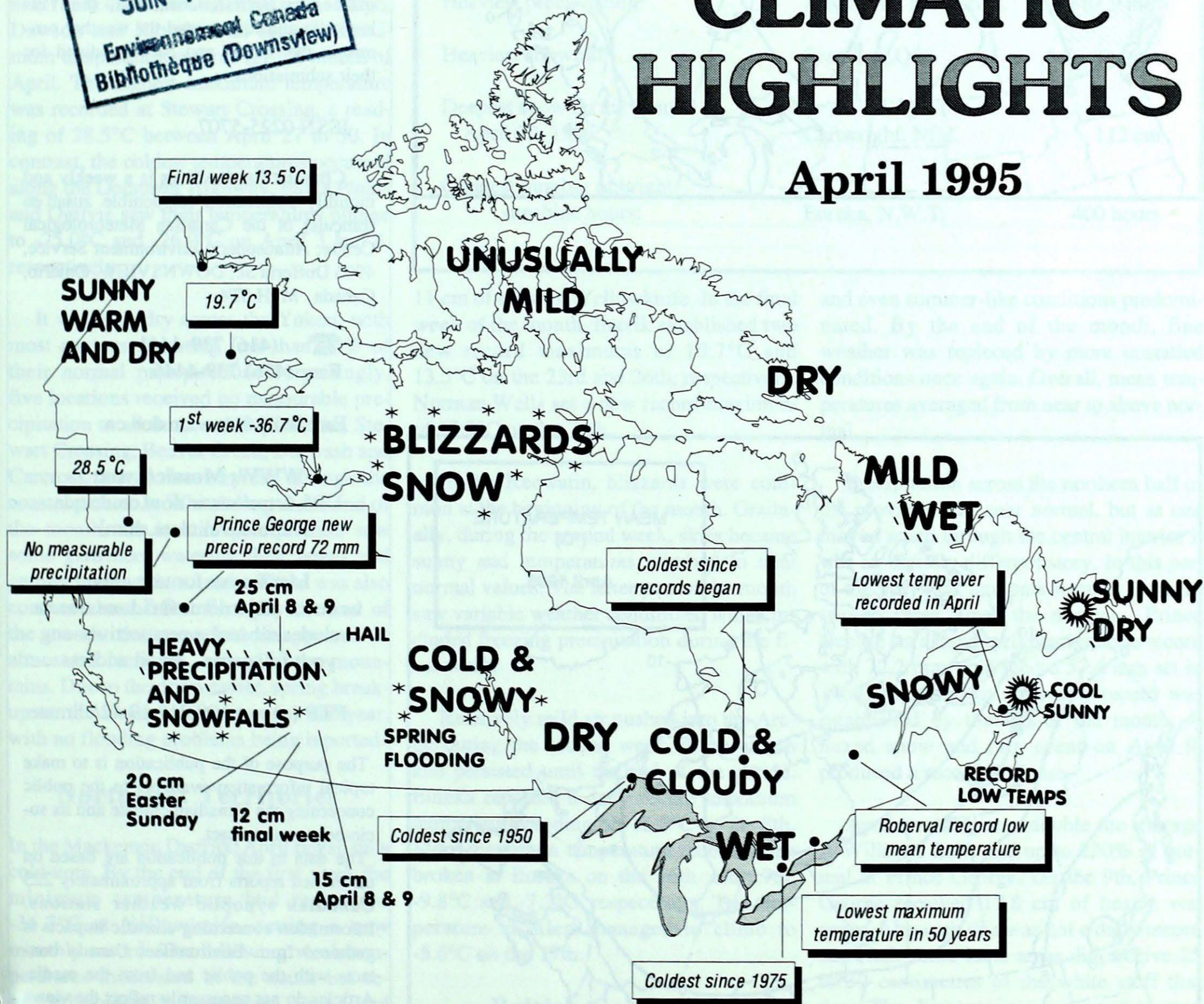
Monthly review of Canadian climate and water

vol. 17

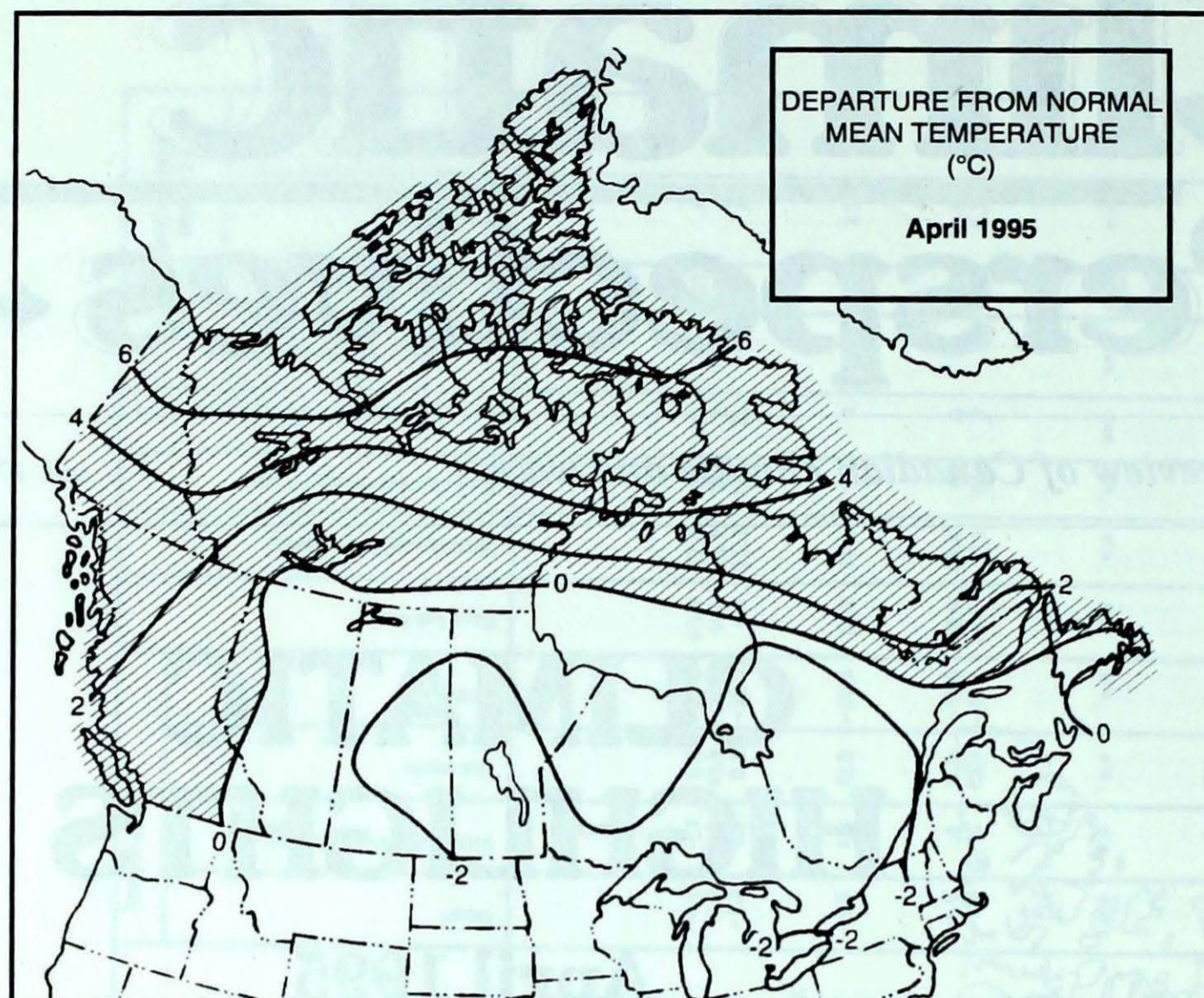


## CLIMATIC HIGHLIGHTS

April 1995



# CLIMATIC PERSPECTIVES VOLUME 17



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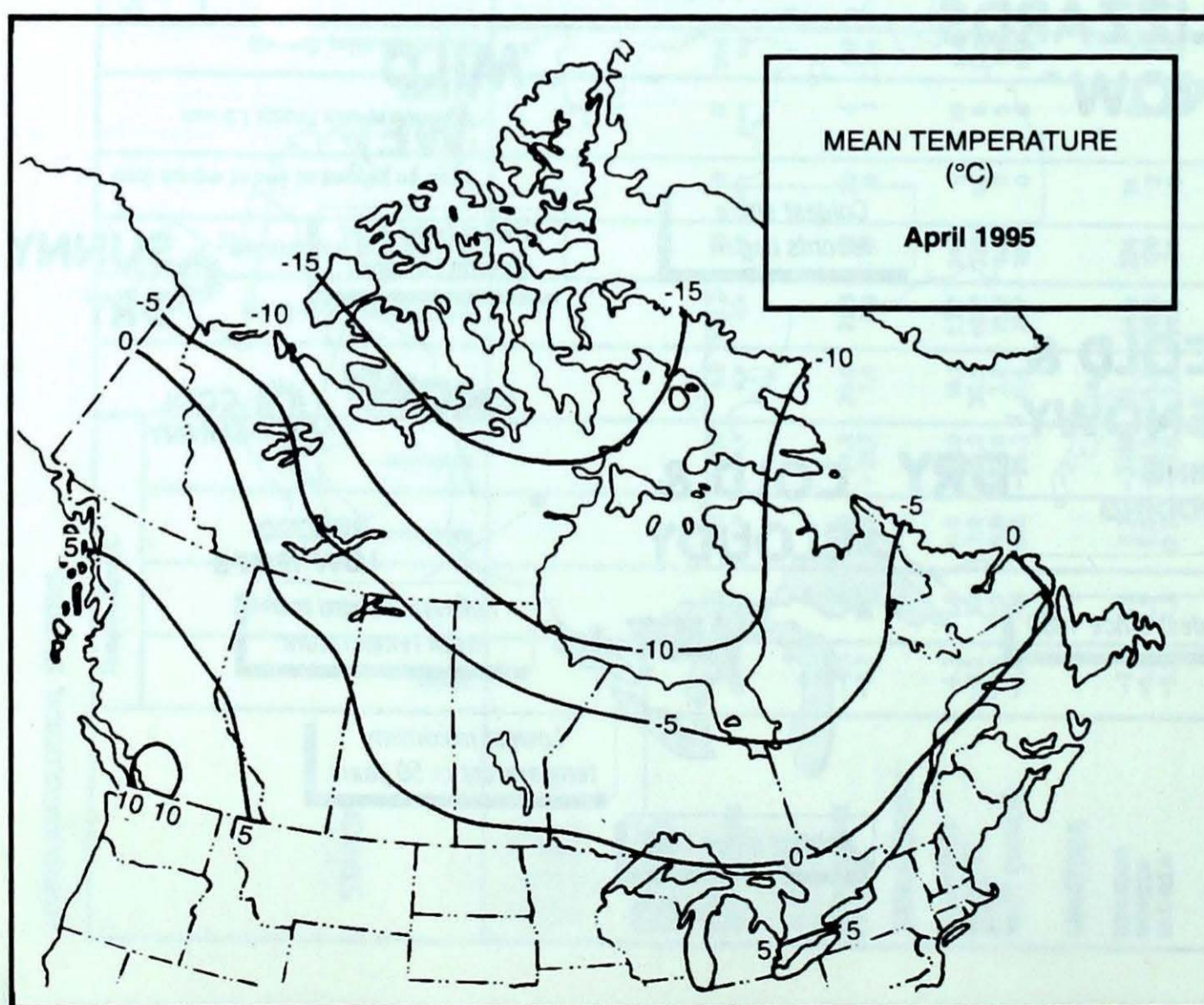
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The purpose of the publication is to make topical information available to the public concerning the Canadian climate and its socio-economic impact.

The data in this publication are based on unverified reports from approximately 225 Canadian synoptic weather stations. Information concerning climatic impacts is gathered from Environment Canada contacts with the public and from the media. Articles do not necessarily reflect the views of the Departement.



## Across the country

### Yukon

April produced pleasant sunny and warm weather throughout the Yukon, as the circulation aloft brought mild and dry air to the Territory. Temperatures ranged from near normal in the southwest to more than 6°C above normal in the central Yukon. Klondike and Old Crow were 6.3 and 5.9 degrees above the average, respectively. Mayo was the warmest location, with a mean temperature of 5.0°C. Dawson was next at 4.4°C. Stewart Crossing, Mayo, Dawson and Klondike all set new maximum temperature records for the month of April. The highest maximum temperature was recorded at Stewart Crossing, a reading of 28.5°C between April 27 to 30. In contrast, the coldest temperatures occurred along the Dempster Highway. Eagle Plains and Ogilvie saw their temperatures plunge to -25.0°C and -26.0°C on April 3 and 4, respectively.

It was very dry across the Yukon, with most stations reporting less than 40% of their normal precipitation. Surprisingly, five locations received no measurable precipitation at all this month: Klondike, Stewart Crossing, Beaver Creek, Burwash and Carcross. It was also very dry through the coastal passes. In Whitehorse, at the end of the month, the lack of precipitation saw some gardeners watering their lawns and getting their gardens ready. There was also concern about forest fires. By the end of the month, the snow had disappeared at almost all locations, except in the mountains. Due to the dry weather, spring break-up on the rivers was uneventful this year, with no flooding problems being reported.

### Northwest Territories

In the Mackenzie District, April began on a cold note. By the end of the first week the minimum temperature had registered -36.7°C at Yellowknife, setting a new monthly record. The following week temperatures moderated in the south but remained cold in the northeast. Fort Liard reached a high of 12°C on April 12. During the third week, a snowstorm affected the southern portions of the district, dumping

CLIMATIC EXTREMES IN CANADA - APRIL 1995			
Mean temperature:			
Highest	Abbotsford, B.C.		10.0°C
Coldest	Eureka, N.W.T.		-19.3°C
Highest temperature:	Abbotsford, B.C.		23.5°C
Lowest temperature:	Eureka, N.W.T.		-37.3°C
Heaviest precipitation:	Amphitrite Point, B.C.		187.9 mm
Heaviest snowfall:	Sept-Îles, Qué.		61.4 cm
Deepest snow on the ground April 30, 1995:	Cartwright, Nfld.		112 cm
Greatest number of bright sunshine hours:	Eureka, N.W.T.		400 hours

11 cm of snow on Yellowknife. In the final week of the month, Inuvik established two new record maximums of 10.7°C and 13.5°C on the 23rd and 26th, respectively. Norman Wells set a new record maximum of 19.7°C on the 27th.

In the Keewatin, blizzards were common at the beginning of the month. Gradually, during the second week, skies became sunny and temperatures climbed to near normal values. The latter part of the month saw variable weather conditions, which included freezing precipitation during the final week.

Relatively mild air pushed into the Arctic during the second week of the month and persisted until the end of the period. Eureka reported a daily record maximum temperature reading of -15.5°C on the 8th. More maximum temperature records were broken at Eureka on the 16th and 17th, -9.8°C and -7.2°C, respectively. The temperature at Alert managed to climb to -5.6°C on the 17th.

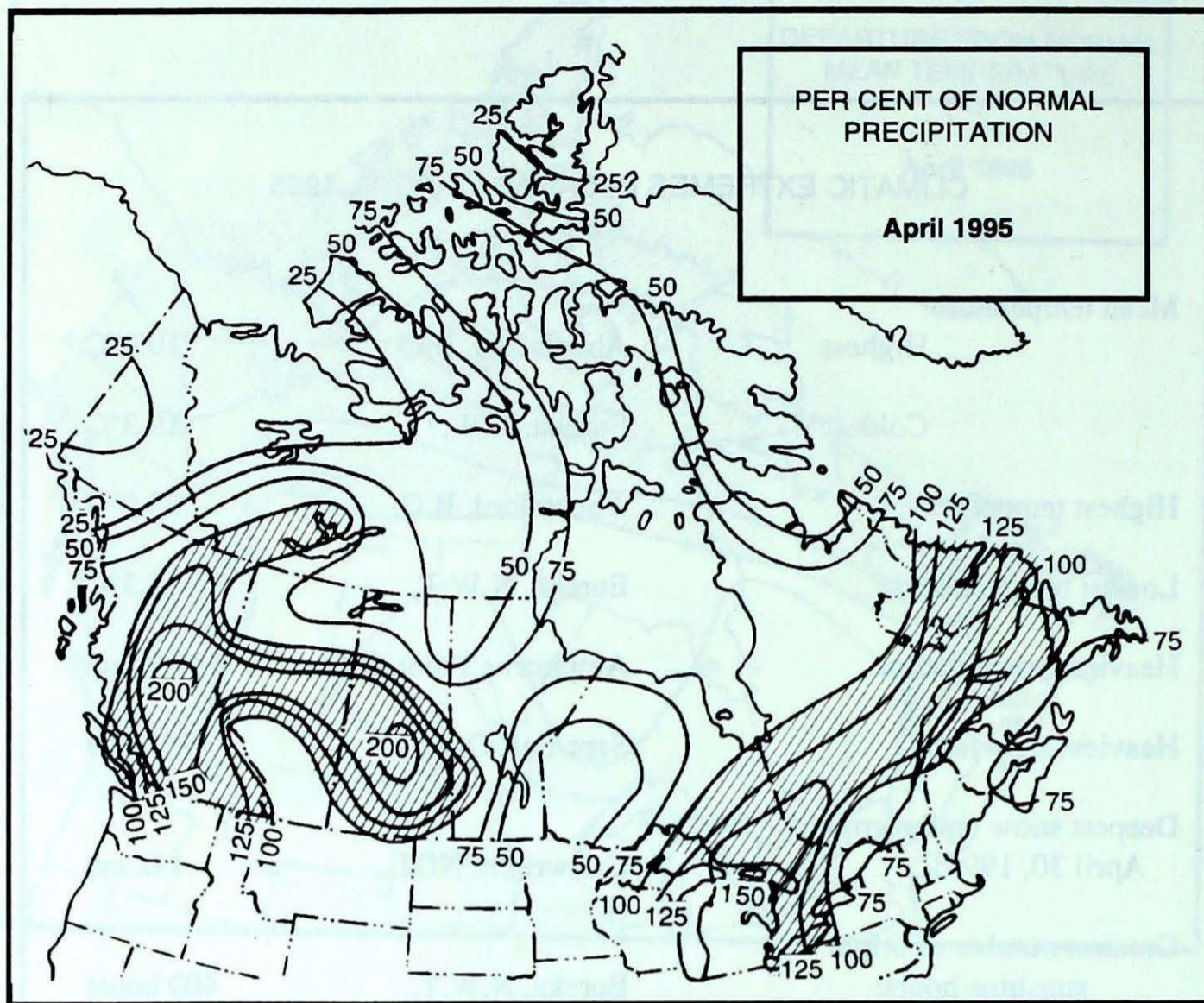
### British Columbia

April began on rather an unsettled note, but towards the third week of the month spring

and even summer-like conditions predominated. By the end of the month, fine weather was replaced by more unsettled conditions once again. Overall, mean temperatures averaged from near to above normal.

Precipitation across the northern half of the province was near normal, but as one moved south through the central interior it was an entirely different story. In this part of the province, amounts were as much as two to three times the normal. Prince George set a new April precipitation record with 72.2 mm. (old record 57.4 mm set in 1966). Surprisingly, this new record was established by the 9th of the month. A mixed snow and rain event on April 9, produced a record 27.8 mm.

April snowfall was double the average at Williams Lake and up to 230% of normal at Prince George. On the 9th, Prince George received 17.8 cm of heavy, wet snow. Although this was not a daily record snowfall, some local areas did receive 25 to 30 centimetres of the white stuff that day. The Kootenays were another area which received significant snowfalls. Cranbrook received 260% its normal, but



in actual amounts this translates to only 6 to 11 centimetres.

Sunshine was more or less plentiful along the coastal areas and in the southern Okanagan. Across the rest of the province, sunshine was slightly below average.

### Alberta

At the beginning of the month, it felt rather summer-like across southern Alberta, as temperatures climbed to 20°C. But this was only a deception and not representative of what was still to come. By the middle of the first week, an Arctic air mass had covered the whole province, dropping temperatures to the minus twenties in the north. On April 3 and 4, 10 to 25 centimetres of snow fell across central Alberta and the foothills. On the weekend of the 8th and 9th, up to 15 cm covered parts of southern Alberta. On April 11 and 13, small hail associated with thunderstorms affected the Edmonton area. Temperatures on the 13th reached 20°C. The Easter weekend saw another disturbance leave behind an additional 15 to 20 centimetres of snow on the southwestern foothills. Sunshine early on Easter Sunday gave way to afternoon clouds and showers, which persisted for the

next few days. Light snowfalls were reported in the northeast. On the 24th, heavy snowfalls were reported in the Rockies. The final weekend of the month in southern Alberta saw Lethbridge receive another 12 cm of snow, making this the 3rd snowy weekend out of the last five. The daytime temperature at Lethbridge hovered near 3°C; surprisingly, daytime readings in northern Alberta at the same time were much warmer, generally in the 10°C to 12°C range.

### Manitoba and Saskatchewan

April was a cool month across the Prairies, with daytime temperatures averaging 2 to 4 degrees below normal. The cool weather has delayed the start of the growing season, with cumulative growing degree-day totals for southern locations being half of what is normal at this time of the year. Four major storms tracked across the southern half of the region, producing large amounts of snow. The hardest hit areas were in eastern Saskatchewan and western Manitoba, where total snowfalls exceeded 40 cm. In these areas, melting snow combined with the already soggy ground from last autumn's precipitation has led to flooding. In the more western portions of the Prai-

ries, there was less precipitation recorded this spring, although storms did pass through. Soil moisture in these areas is low due to the fact that the fall was dry and there was little precipitation received during the winter.

### Ontario

Stubbornly cool and cloudy weather persisted across Ontario, with monthly mean temperatures two degrees below normal across southern Ontario, making this the coldest April in Toronto since 1975. In northern Ontario, Timmins recorded its coldest April since records began there in 1955, while in Thunder Bay it was the coldest April since 1950. Afternoon temperatures failed to reach even the occasional high teens at most locals. Trenton, for example, recorded a high for the month of only 16°C - the lowest extreme daily maximum temperature for any April in the last 50 years.

Precipitation was infrequent during the first half of the month, but a rainy (snowy in the north) final two weeks pushed April totals above average in northeastern Ontario, as well as in southern and central Ontario west of Trenton. Windsor and London's 110 mm of total precipitation (including 10-15 centimetres of snow - greatest since 1982) was 40 percent more than usual, while Sudbury's 108 mm was 65% above normal. Heavy rains on April 21 (45 mm in Muskoka) were the primary reason for the excess. In contrast, eastern Ontario was relatively dry, with only 50 to 80 percent of normal April moisture, and northwestern regions were quite dry with only 15-75 percent of accustomed April amounts. Pickle Lake with a meager 8 mm of precipitation (mostly in the form of snow) was Ontario's driest site.

Sunshine was scarce, adding to the April gloom. Total hours of sun were as much as 70 hours shy of normal. In Thunder Bay for example, the sun shone for only 156 hours whereas 224 hours is the norm.

Over all, April was a disappointment for many, failing to fulfil the promise suggested by the summer-like afternoon tem-

peratures during the March school break. The combination of cold temperatures and cloudy skies has resulted in a late spring. Poor drying conditions in the agricultural areas of southwestern Ontario has kept most farmers off the land and behind schedule. Meanwhile in suburbia, barbecues remain covered and garden centres quiet as all residents wait for a stretch of sunny and warm weather.

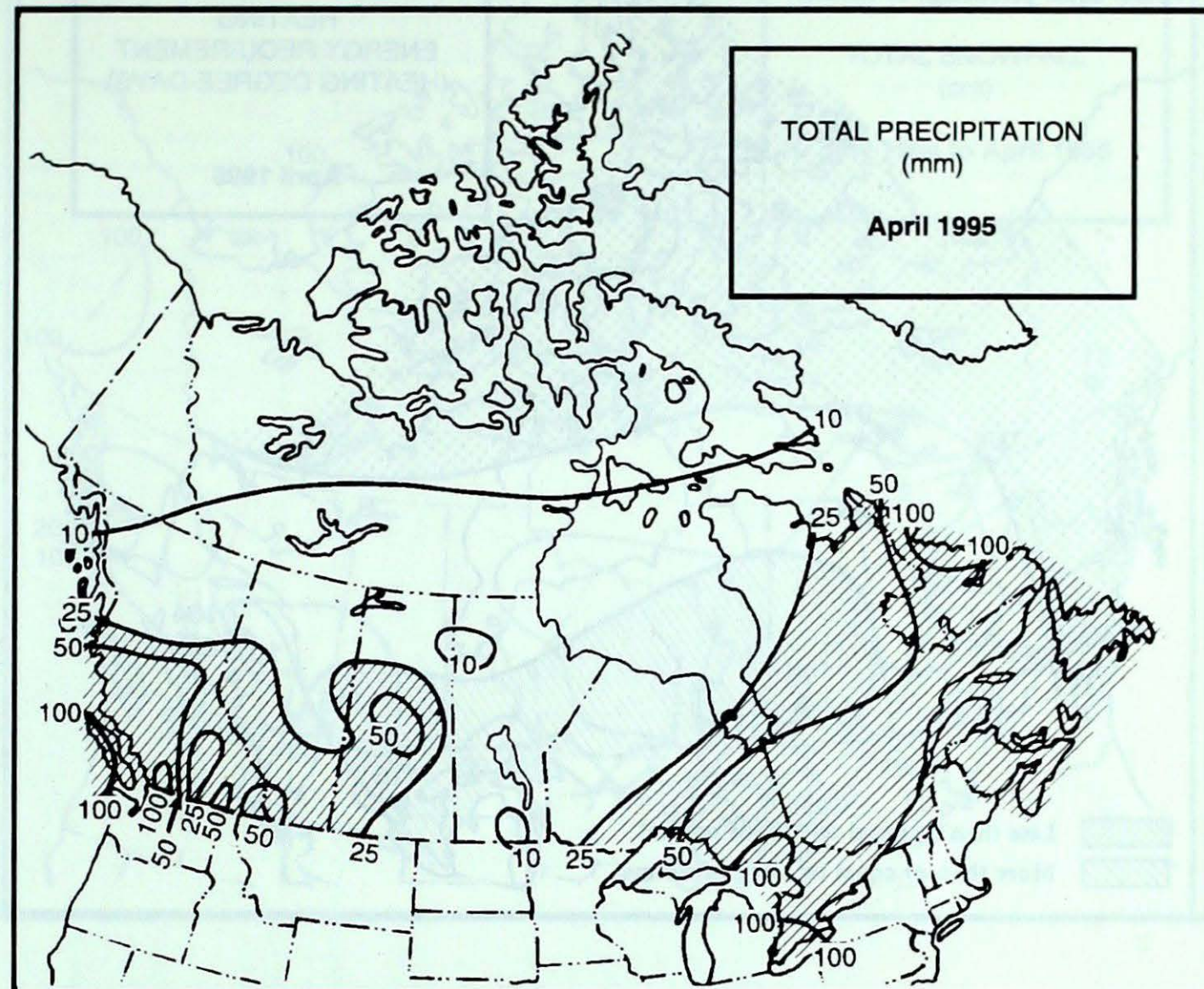
## Quebec

Mean temperatures were well-below normal across western Quebec. In fact, Roberval set a new low mean temperature record for April. Heaviest precipitation was reported in the St. Lawrence Valley, with more than 100 mm in some locations. The Gaspé received the most snow - 61 cm, while Mont-Joli, Sept-Iles and La Grande IV all received more than 50 cm. For the most part, it was a cloudier than normal April throughout most of the province.

## Maritimes

April was generally cool but sunny. Strong westerly winds gusting to more than 100 km/h, brought record-low temperatures on the 5th and 6th. A minimum reading of  $-13.6^{\circ}\text{C}$  at Charlottetown, P.E.I., on the 5th was the lowest temperature ever recorded at that location in April. In Nova Scotia, Greenwood, Halifax and Yarmouth also set record-low minimum temperatures for the month of April.

Precipitation averaged on the low side, in some cases less than half the normal. Charlottetown's 55 mm was 59% of their normal monthly allotment. Total monthly snowfall varied throughout the region. Most locations in southern New Brunswick received below normal amounts. Moncton reported only 13 cm, which is approximately one third of their normal monthly snowfall. Coastal communities in north-eastern New Brunswick recorded up to 50



cm of snow. On P.E.I., Charlottetown recorded 25 cm, 7 cm below the April normal. Snowfall across mainland Nova Scotia ranged from 25 cm at Greenwood to only 3 cm at Yarmouth. Up to 40 cm fell in parts of northern Cape Breton Island.

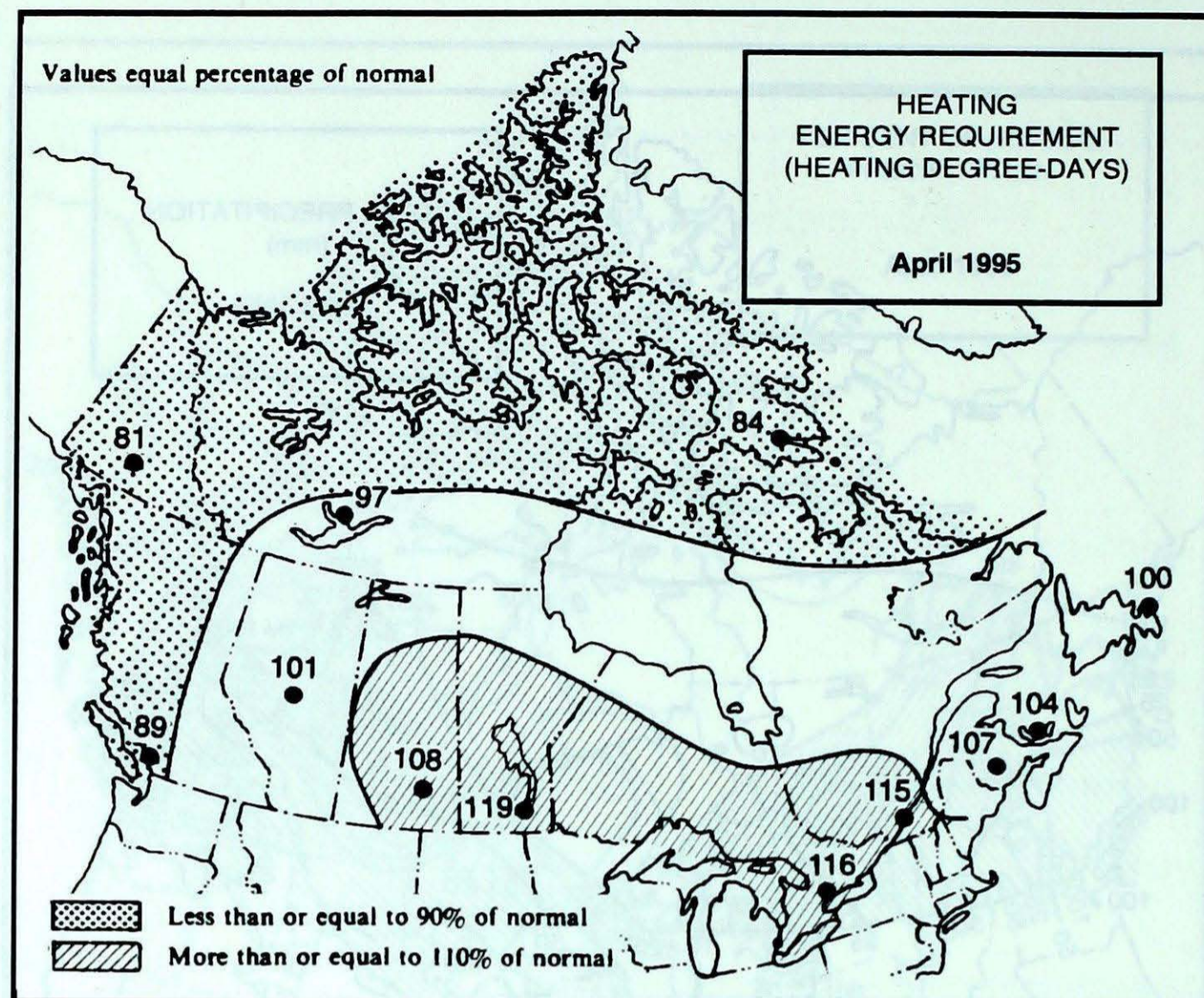
All areas, except northeastern New Brunswick had above normal amounts of sunshine. Moncton, N.B., recorded 174 hours of sunshine, which is 17 hours greater than normal. Shearwater, N.S., recorded 193 hours of bright sunshine, which is 35 hours more than the April normal.

## Newfoundland and Labrador

April was rather an uneventful month on the Island. There were no major storms or disruptions to public transportation. Snowfall ranged from 29 cm at Deer Lake (15 cm above normal) to 41 cm at Comfort Cove (16 cm below normal). The southern

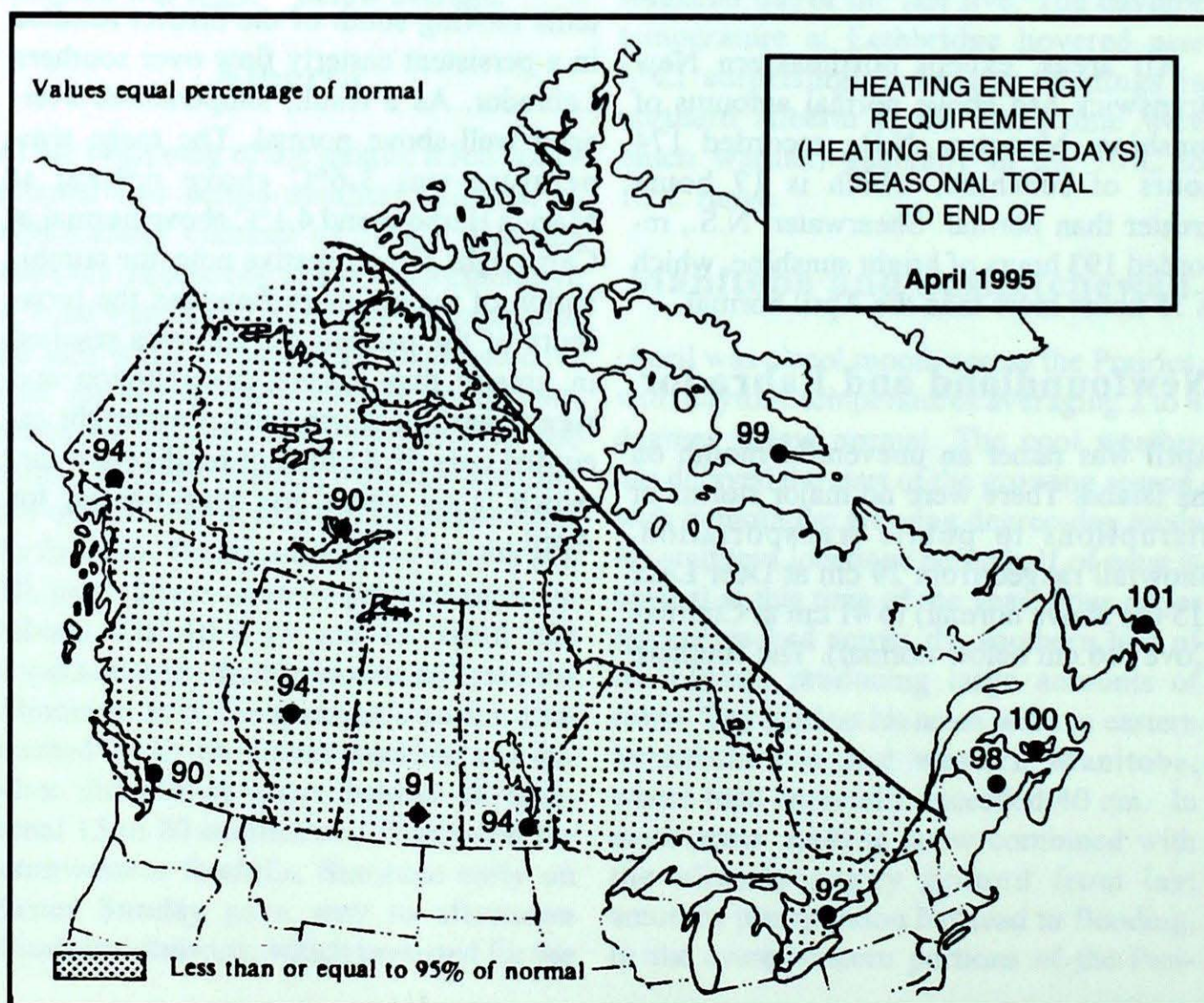
part of the Island received below-normal precipitation amounts. Hours of bright sunshine were approximately 25 hours greater than normal at St. John's and Gander.

In Labrador, a series of low pressure systems moving south of the district resulted in a persistent easterly flow over southern Labrador. As a result, temperatures averaged well-above normal. The mean temperature was  $3.6^{\circ}\text{C}$  above normal at Mary's Harbour and  $4.1^{\circ}\text{C}$  above normal at Cartwright. On a negative note, the combination of the on-shore flow and the proximity of the passing disturbances resulted in greater than normal precipitation and significantly less sunshine. Cartwright recorded only 58.8 hours of bright sunshine, which is 69 hours less than normal for April.



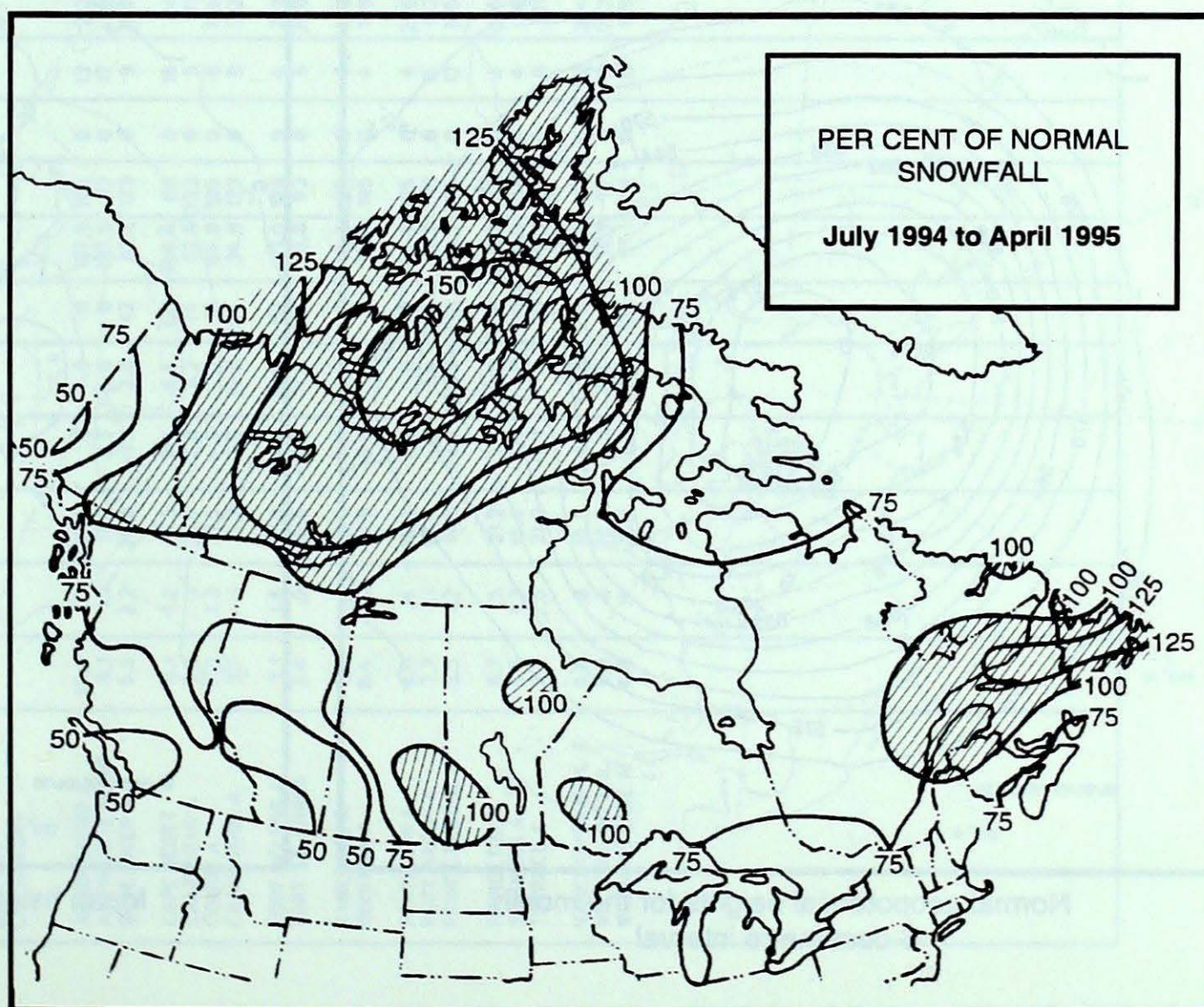
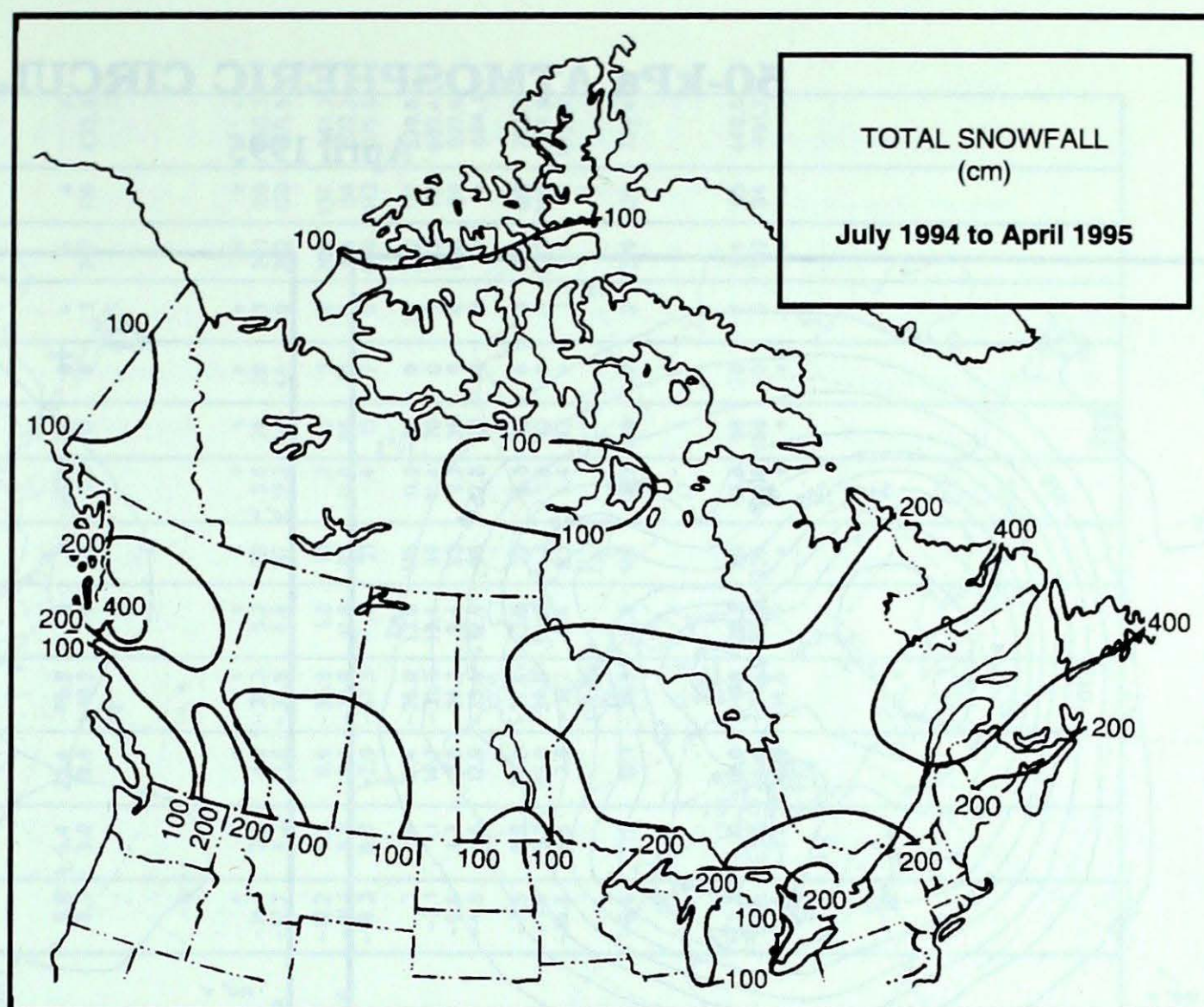
# SEASONAL TOTAL OF HEATING DEGREE-DAYS TO END OF APRIL

	1995	1994	NORMAL
<b>BRITISH COLUMBIA</b>			
Kamloops	3188	3120	3540
Penticton	3061	3014	3267
Port Hardy	2946	2870	3222
Vancouver	2464	2479	2732
Victoria	2480	2528	2789
<b>YUKON TERRITORY</b>			
Whitehorse	6055	5838	6441
<b>NORTHWEST TERRITORIES</b>			
Iqaluit	8731	9198	8821
Inuvik	8473	8645	9274
Yellowknife	7161	7965	7930
<b>ALBERTA</b>			
Calgary	4550	4659	4920
Edmonton Mun.	4791	4888	5117
Grande Prairie	*	5370	5728
<b>SASKATCHEWAN</b>			
Estevan	4978	5585	5146
Regina	4990	5556	5494
Saskatoon	5364	5819	5682
<b>MANITOBA</b>			
Brandon	5490	5998	5732
Churchill	7559	8814	8203
Dauphin	5476	5886	5738
Winnipeg	5218	5721	5555
<b>ONTARIO</b>			
Kapuskasing	5427	6299	5930
London	3568	4065	3834
Ottawa	4034	4723	4411
Sudbury	4673	5481	5049
Thunder Bay	4883	5685	5295
Toronto	3530	4115	3843
Windsor	3129	3609	3412
<b>QUEBEC</b>			
Baie Comeau	5284	5761	5471
Montréal	4022	4609	4276
Québec	4555	5163	4804
Sept-Îles	5565	6040	5576
Sherbrooke	4461	4996	4850
Val-d'Or	5405	6234	5690
<b>NEW BRUNSWICK</b>			
Fredericton	4277	4572	4370
Moncton	4316	4591	4335
<b>NOVA SCOTIA</b>			
Yarmouth	3466	3693	3637
<b>PRINCE EDWARD ISLAND</b>			
Charlottetown	4216	4455	4218
<b>NEWFOUNDLAND AND LABRADOR</b>			
Gander	4590	4881	4475
St. John's	4211	4450	4188



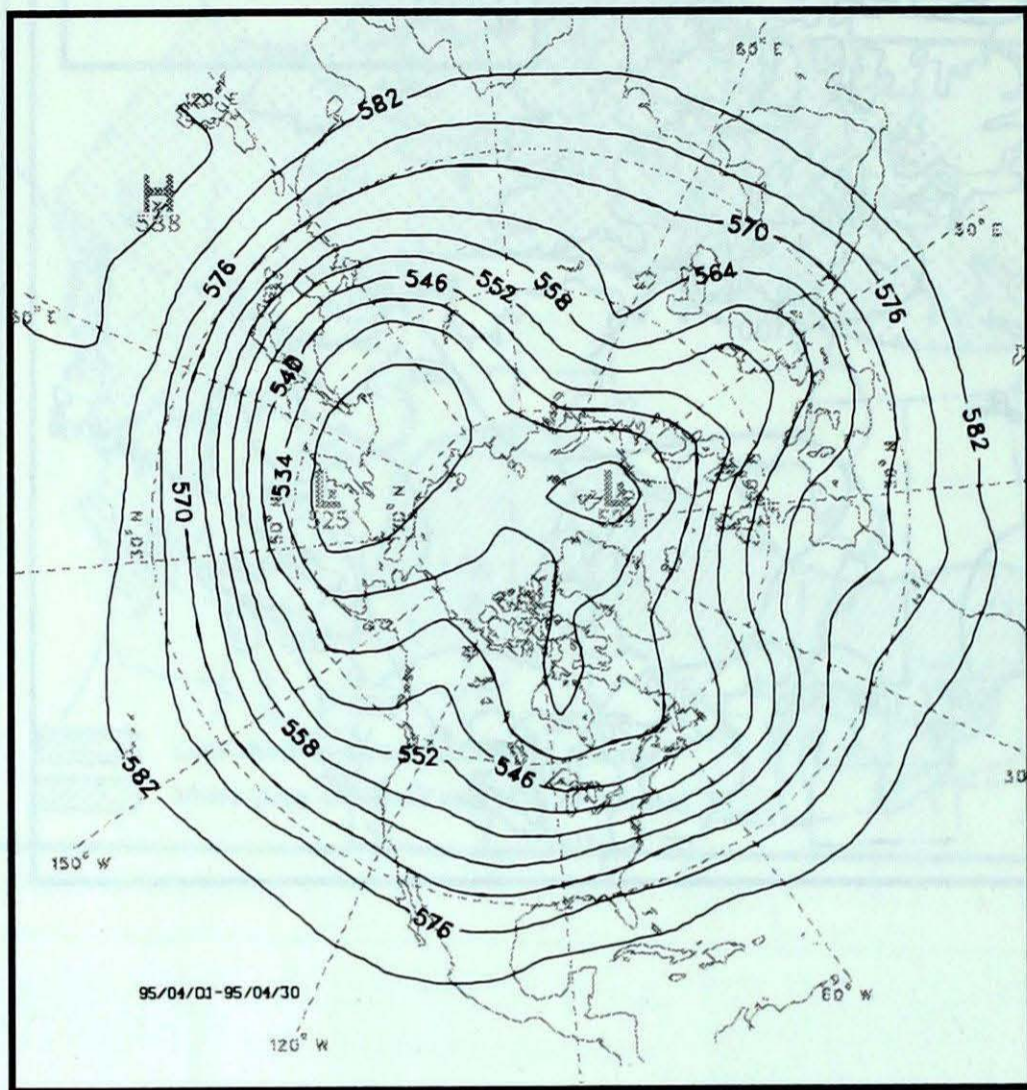
**SEASONAL SNOWFALL TOTALS (cm)  
TO END OF APRIL**

	1995	1994	NORMAL
<b>BRITISH COLUMBIA</b>			
Kamloops	33	43	91
Port Hardy	55	37	72
Prince George	181	240	236
Vancouver	26	14	60
Victoria	6	23	50
<b>YUKON TERRITORY</b>			
Whitehorse	147	169	133
<b>NORTHWEST TERRITORIES</b>			
Iqaluit	123	160	222
Inuvik	156	167	162
Yellowknife	186	148	132
<b>ALBERTA</b>			
Calgary	80	85	142
Edmonton Mun.	65	139	129
Grande Prairie	143	205	176
<b>SASKATCHEWAN</b>			
Estevan	103	167	114
Regina	100	107	119
Saskatoon	95	*	111
<b>MANITOBA</b>			
Brandon	166	74	115
The Pas	153	140	164
Winnipeg	92	82	123
<b>ONTARIO</b>			
Kapuskasing	255	253	310
London	153	117	209
Ottawa	152	284	226
Sudbury	160	224	245
Thunder Bay	199	198	209
Toronto	89	116	131
Windsor	100	140	117
<b>QUEBEC</b>			
Baie Comeau	432	348	368
Montréal	187	281	223
Québec	298	448	343
Sept-Îles	523	422	421
Sherbrooke	252	427	291
Val-d'Or	239	288	307
<b>NEW BRUNSWICK</b>			
Fredericton	255	245	289
Moncton	314	321	339
<b>NOVA SCOTIA</b>			
Sydney	226	317	313
Yarmouth	130	288	207
<b>PRINCE EDWARD ISLAND</b>			
Charlottetown	313	339	329
<b>NEWFOUNDLAND AND LABRADOR</b>			
Gander	530	517	389
St. John's	441	320	347

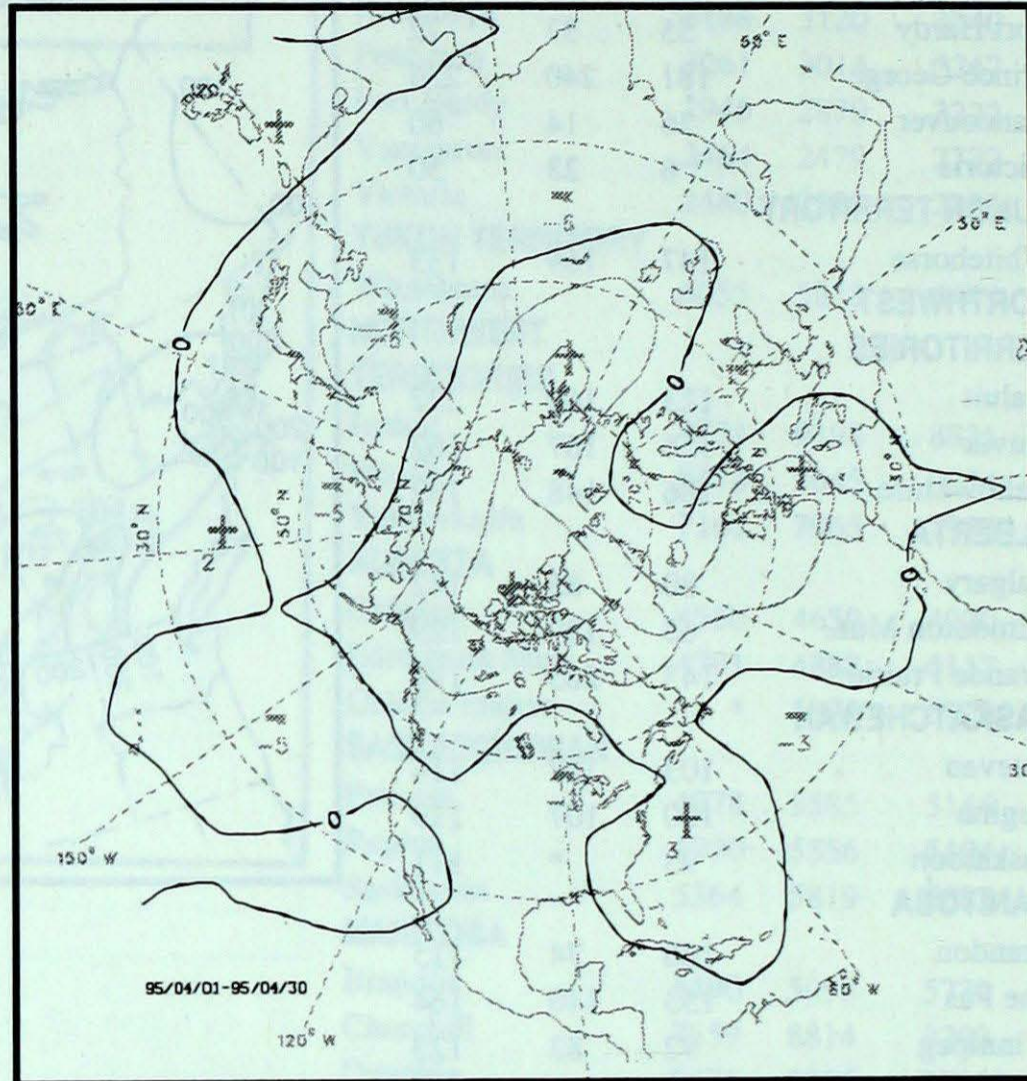


# 50-kPa ATMOSPHERIC CIRCULATION

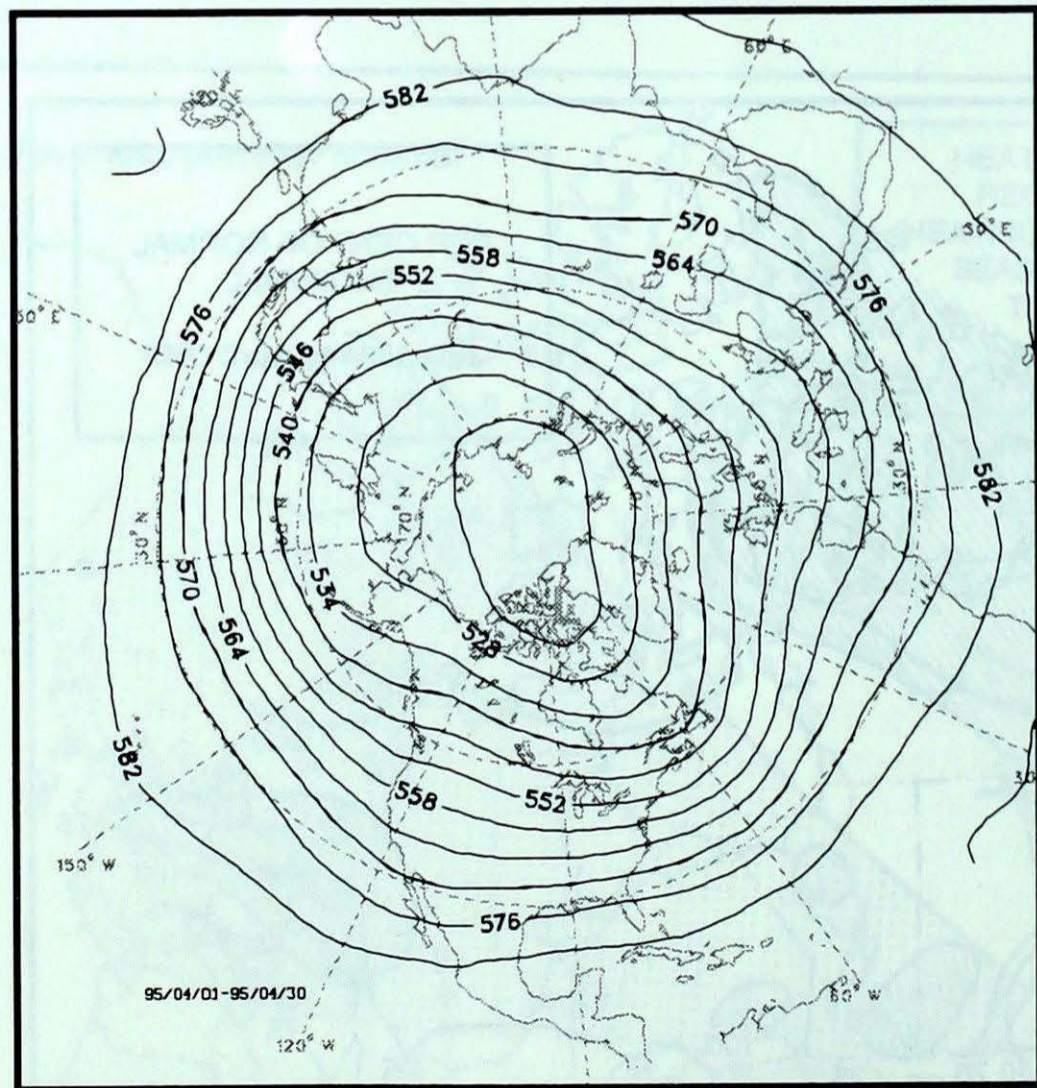
April 1995



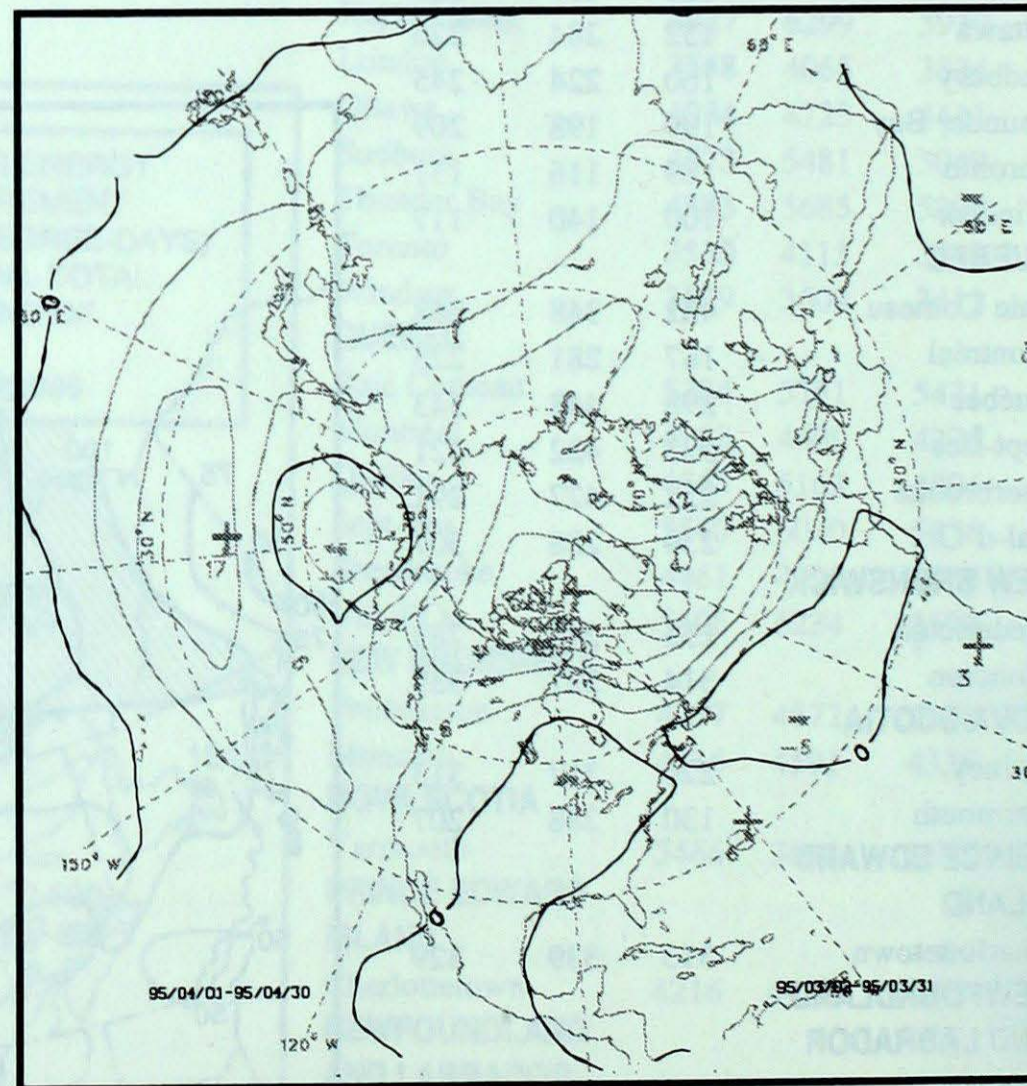
Mean geopotential heights  
6-decametre interval



Mean geopotential height anomaly  
6-decametre interval



Normal geopotential heights for the month  
6-decametre interval



Mean height difference w/r to previous month  
6-decametre interval

APRIL 1995

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APRIL 1995

STATION	Temperature C				Snowfall (cm)	% of Normal Snowfall	Total Precipitation (mm)	% of Normal Precipitation	Snow on ground at end of month (cm)	No. of days with Precip 1.0 mm or more	Bright Sunshine (hours)	% of Normal Bright Sunshine	Degree Days below 18 C
	Mean	Difference from Normal	Maximum	Minimum									
EDMONTON INT'L A	3.1	-.1	16.5	-13.7	10.0	78	22.1	109	0	9	185	80	446.8
EDMONTON MUNICIPAL	3.9	-.3	16.5	-14.5	5.8	*	21.2	98	0	8	169	74	422.5
EDSON A	2.5	-.7	15.8	-11.6	*	*	*	*	*	*	*	*	*
FORT MCMURRAY A	1.4	-.7	15.3	-25.2	16.8	124	24.0	117	0	7	167	72	497.0
GRANDE PRAIRIE A	3.5	.8	17.5	-10.8	9.6	81	28.3	145	0	8	*	*	*
HIGH LEVEL A	.4	-1.8	15.9	-32.0	13.7	94	11.7	72	0	1	217	88	529.5
JASPER	4.5	1.2	16.7	-6.7	1.2	11	12.2	54	0	4	169	*	*
LETHBRIDGE A	4.0	-.9	19.2	-8.9	34.2	124	40.5	95	4	10	200	101	421.7
MEDICINE HAT A	4.7	-.9	19.9	-10.5	19.9	108	28.9	96	0	8	206	103	401.8
PEACE RIVER A	3.1	1.0	16.1	-15.8	8.7	92	10.8	76	0	4	*	*	447.6
RED DEER A	2.6	-.5	15.4	-11.7	1.8	11	26.4	100	0	8	*	*	462.1
ROCKY MTN HOUSE A	2.2	-.8	15.4	-10.5	*	*	*	*	*	*	*	*	*
SLAVE LAKE A	2.2	-.9	16.7	-18.3	*	*	22.4	127	*	*	*	*	*
WHITECOURT A	3.2	.5	17.2	-14.0	35.4	202	42.1	156	0	10	*	*	445.0
SASKATCHEWAN													
BROADVIEW	.5	-2.1	*	*	*	*	40.8	131	*	*	*	*	526.0
ESTEVAN A	2.4	-1.7	14.6	-15.9	12.4	77	35.3	95	0	7	172	82	469.9
KINDERSLEY	1.6	-2.2	14.9	-16.5	1.0	9	13.6	64	0	4	175	*	492.4
LA RONGE A	-2.1	-3.1	*	*	*	*	46.4	236	*	*	*	*	603.8
MEADOW LAKE A	-.4	*	15.3	-23.8	34.0	*	52.4	*	0	7	202	*	548.7
MOOSE JAW A	2.1	-2.1	14.9	-16.1	7.0	53	13.3	44	0	4	166	76	476.3
NIPAWIN A	-2.2	*	10.6	-23.7	15.8	*	22.2	*	0	7	211	*	609.5
NORTH BATTLEFORD A	.8	-2.2	15.0	-20.2	6.0	56	31.3	148	0	4	*	*	516.8
PRINCE ALBERT A	-1.1	-3.0	14.4	-23.1	21.4	191	51.0	232	0	6	207	92	572.9
REGINA A	2.0	-1.3	14.1	-17.0	11.0	101	31.7	134	0	6	181	87	481.4
SASKATOON A	.7	-2.6	14.9	-19.5	17.2	181	34.0	160	0	7	201	*	518.9
SWIFT CURRENT A	1.9	-1.6	*	*	*	*	34.0	120	*	*	*	*	483.2
YORKTON A	-2.2	-4.4	9.4	-22.3	35.6	272	45.2	204	0	10	247	110	605.5
MANITOBA													
BRANDON A	-.9	-3.7	14.7	-20.7	32.8	290	31.5	93	0	6	210	*	565.3
CHURCHILL A	-11.2	-1.1	*	*	*	*	17.6	77	*	*	*	*	877.0
DAUPHIN A	-2.0	-4.3	*	*	*	*	40.1	126	*	*	*	*	600.5
GILLAM A	-4.6	-0.5	8.1	-18.4	25.4	66	22.6	92	26	6	*	*	677.5
GIMLI	-.4	*	*	*	*	*	12.1	*	*	*	*	*	550.9

STATION	Temperature C				Snowfall (cm)	% of Normal Snowfall	Total Precipitation (mm)	% of Normal Precipitation	Snow on ground at end of month (cm)	No. of days with Precip 1.0 mm or more	Bright Sunshine (hours)	% of Normal Bright Sunshine	Degree Days below 18 C
	Mean	Difference from Normal	Maximum	Minimum									
ISLAND LAKE	-3.7	-.5	12.3	-25.3	17.0	61	13.0	49	0	4	*	*	650.5
LYNN LAKE A	-6.1	-2.6	9.9	-29.1	9.0	38	7.4	44	0	2	253	109	721.8
NORWAY HOUSE A	-3.4	*	13.5	-24.9	17.0	*	13.0	*	0	4	*	*	676.2
PORTAGE LA PRAIRIE	.6	-2.6	*	*	*	*	12.0	28	*	*	*	*	520.8
THE PAS A	-2.4	-2.4	10.4	-25.0	20.8	107	17.8	65	0	5	229	101	609.6
THOMPSON A	-5.6	-3.3	12.4	-28.8	23.0	76	19.6	88	0	4	256	111	707.3
WINNIPEG INT'L A	.5	-2.9	16.0	-18.8	9.1	81	9.0	23	0	2	203	92	527.0
ONTARIO													
EARLTON A	-.2	-2.1	10.9	-18.5	33.9	175	82.9	166	0	10	*	*	546.0
GERALDTON A	-2.2	*	12.0	-23.7	22.4	*	28.8	*	*	7	*	*	607.4
HAMILTON RBG	4.6	*	19.0	-9.0	2.8	*	71.2	*	0	9	153	*	*
HAMILTON A	3.9	-2.2	17.9	-10.8	*	*	*	*	*	*	*	*	*
KAPUSKASING A	-2.1	-2.6	11.3	-20.5	36.5	147	60.7	114	0	10	*	*	603.7
KENORA A	.6	-2.1	13.0	-20.7	18.6	92	15.2	36	0	6	*	*	521.7
KINGSTON A	3.5	-1.8	15.3	-12.0	3.0	39	54.2	71	0	8	160	79	435.4
LONDON A	4.5	-1.9	18.5	-10.5	14.6	160	110.0	135	0	16	111	67	404.4
MUSKOKA A	2.2	-2.3	14.5	-13.8	8.5	71	96.7	132	0	14	*	*	474.5
NORTH BAY A	.5	-2.7	12.1	-17.5	15.4	93	96.6	155	0	110	159	81	524.3
OTTAWA INT'L A	3.5	-2.1	17.2	-4.8	3.2	39	40.2	58	0	7	169	95	434.9
PETAWAWA A	1.2	-2.5	13.2	-17.2	6.6	110	47.7	75	0	8	*	*	505.0
PETERBOROUGH A	3.5	-2.1	15.4	-12.5	6.8	105	60.0	86	0	9	*	*	436.7
PICKLE LAKE	-1.9	-1.4	12.1	-24.1	8.2	28	7.6	17	0	2	*	*	597.6
RED LAKE A	-.9	-2.4	13.3	-24.1	13.0	70	11.3	30	0	4	205	*	565.6
ST CATHARINES A	5.2	-1.5	23.1	*	3.2	97	41.4	52	*	10	*	*	*
SARNIA A	4.6	-1.7	19.6	-9.4	8.2	134	105.0	137	0	12	135	70	398.6
SAULT STE MARIE A	1.0	-1.9	11.3	-14.5	24.8	248	97.8	150	0	12	166	85	508.4
SIOUX LOOKOUT A	-.4	-1.8	12.5	-23.2	21.8	85	21.8	48	0	5	*	*	555.2
SUDBURY A	.5	-2.2	10.9	-16.6	11.6	74	108.2	177	0	10	160	77	524.6
THUNDER BAY A	.1	-2.4	13.5	-19.8	24.4	151	36.1	71	*	8	156	73	519.0
TIMMINS A	-2.0	-3.0	10.8	-22.9	33.5	148	69.0	141	0	10	*	*	598.5
TORONTO	5.4	*	17.7	-7.9	3.0	*	78.4	*	0	9	*	*	378.8
TORONTO INT'L A	4.1	-2.1	16.8	-9.2	4.8	65	76.6	109	0	9	*	*	417.6
TORONTO ISLAND A	*	*	*	*	*	*	*	*	*	*	*	*	*
TRENTON A	4.0	-2.4	16.0	-10.3	3.0	48	68.2	90	0	8	*	*	421.5
WATERLOO WELLINGTON	3.5	-1.8	16.3	-10.3	8.8	126	90.4	110	0	10	*	*	434.4
WAWA A	-.8	*	10.6	-21.1	20.0	*	49.6	*	0	9	*	*	563.7
WIARTON A	2.8	-1.9	16.6	-12.0	20.7	192	87.9	128	0	12	157	82	456.0
WINDSOR A	6.4	-1.7	20.6	-8.1	10.2	243	109.8	132	0	14	*	*	346.7

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STATION	Temperature C				Snowfall (cm)	% of Normal Snowfall	Total Precipitation (mm)	% of Normal Precipitation	Snow on ground at end of month (cm)	No. of days with Precip 1.0 mm or more	Bright Sunshine (hours)	% of Normal Bright Sunshine	Degree Days below 18 C
	Mean	Difference from Normal	Maximum	Minimum									
QUEBEC													
BAGOTVILLE A	-7	-2.9	15.1	-20.2	43.1	218	82.4	172	4	13	*	*	561.5
BAIE COMEAU A	-6	-8	8.3	-16.8	38.0	130	104.2	147	4	8	180	103	559.5
BLANC SABLON A	-1.3	.2	4.9	-17.3	36.2	91	53.2	74	0	9	89	*	579.7
CHIBOUGAMAU CHAPAIS	-4.6	*	11.8	-24.3	*	*	91.6	*	*	16	*	*	676.8
GASPE A	1.3	*	11.2	-9.9	61.0	*	79.6	*	4	9	154	*	500.8
KUUJUAQ A	-6.0	3.2	9.1	-26.8	13.8	64	17.2	74	0	6	202	102	719.6
KUUJUAUPIK A	-9.0	-2.2	10.6	-27.8	22.8	103	21.6	80	0	5	171	92	809.5
LA GRANDE IV A	-5.0	*	10.3	-26.5	52.6	*	54.4	*	2	10	168	*	690.1
LA GRANDE RIVIERE A	-6.0	*	11.7	-25.2	26.6	*	26.6	*	9	6	202	*	789.2
MONT JOLI A	.2	-1.4	12.8	-15.6	53.2	189	97.4	174	0	11	166	108	515.6
MONTREAL INT'L A	3.7	-2.0	16.4	-14.5	1.0	10	70.2	95	0	8	187	99	427.7
MONTREAL MIRABEL I/	3.1	*	17.9	-15.4	4.8	*	62.6	*	0	9	*	*	*
NATASHQUAN A	.1	.6	9.7	-15.3	25.0	84	77.2	102	14	10	144	88	538.8
QUEBEC A	1.7	-1.6	13.8	-17.5	3.8	23	67.4	93	0	9	180	105	487.4
ROBERVAL A	-1.4	-3.1	14.9	-19.8	17.0	77	41.8	88	0	12	147	*	581.7
SEPT-ILES A	-2	-2	11.2	-16.0	61.4	186	115.2	147	0	13	177	95	544.2
SHERBROOKE A	1.7	-1.6	16.4	-16.7	21.8	93	72.3	100	0	12	152	*	490.9
ST HUBERT A	3.6	-2.1	17.1	-14.6	2.8	*	56.7	76	0	8	187	*	432.7
VAL D'OR A	-2.3	-3.2	10.8	-20.9	35.4	165	79.0	155	0	11	132	72	607.5
NEW BRUNSWICK													
CHARLO A	.7	-2	14.0	-14.7	36.4	106	79.5	94	9	9	142	87	519.6
FREDERICTON A	2.9	-1.2	16.1	-15.1	18.4	86	73.2	92	0	100	*	*	453.7
MONCTON A	2.5	-5	16.0	-14.4	13.2	46	49.4	55	0	11	174	109	466.1
SAINT JOHN A	2.4	-8	14.4	-14.8	19.3	93	79.4	74	2	11	*	*	468.0

STATION	Temperature C				Snowfall (cm)	% of Normal Snowfall	Total Precipitation (mm)	% of Normal Precipitation	Snow on ground at end of month (cm)	No. of days with Precip 1.0 mm or more	Bright Sunshine (hours)	% of Normal Bright Sunshine	Degree Days below 18 C
	Mean	Difference from Normal	Maximum	Minimum									
NOVA SCOTIA													
GREENWOOD A	3.7	-9	15.8	-13.4	25.2	145	56.1	74	2	11	*	*	428.3
HALIFAX INT'L A	3.1	-2	14.6	-12.8	16.9	70	79.7	69	5	15	*	*	446.4
SABLE ISLAND	3.0	-3	10.7	-8.5	6.6	108	67.0	68	0	10	166	122	449.6
SHEARWATER A	3.7	-3	14.8	-11.6	15.6	120	107.2	107	2	14	193	117	429.7
SYDNEY A	1.6	-4	14.6	-14.6	14.0	55	42.6	42	0	9	157	100	492.0
YARMOUTH A	3.5	-1.2	13.3	-10.8	2.8	43	87.4	91	0	8	184	103	433.8
PRINCE EDWARD ISLAND													
CHARLOTTETOWN A	1.5	-8	14.4	-13.6	24.6	90	53.9	66	0	12	*	*	496.6
NEWFOUNDLAND													
BONAVISTA	.9	.3	13.0	-11.0	18.0	80	58.8	91	0	12	*	*	513.8
BURGED	1.3	.0	10.8	-7	22.8	96	72.8	61	0	*	*	*	482.2
CARTWRIGHT	1.5	4.1	.8	-16.6	49.4	86	98.8	123	112	17	59	46	586.8
COMFORT COVE	.1	-5	12.5	-16.8	25.2	54	55.4	64	18	13	*	*	439.6
DANIELS HARBOUR	.4	.1	14.4	-11.2	35.6	125	79.8	153	5	12	105	79	527.4
DEER LAKE A	.0	-8	11.4	-18.6	44.0	148	99.1	184	13	11	*	*	538.4
GOOSE A	-4	1.3	9.9	-14.9	28.0	58	87.4	143	0	15	104	74	550.4
MARY'S HARBOUR	1.6	3.6	6.9	-16.4	6.6	13	78.0	102	66	9	539	*	*
PORT AUX BASQUES	1.2	.4	10.1	-11.9	28.8	121	76.8	83	0	12	114	*	512.4
ST ANTHONY	-1.5	.4	5.2	-13.8	34.5	80	86.2	91	80	12	*	*	590.0
ST JOHN'S A	1.1	-1	13.4	-11.3	13.2	38	92.0	80	0	14	139	*	508.5
ST LAWRENCE	2.1	1.0	13.5	-9.7	1.0	5	60.8	58	0	13	*	*	428.1
STEPHENVILLE A	1.7	-1	13.4	-11.6	33.4	152	60.2	101	0	14	109	*	487.6
WABUSH LAKE A	-3.4	2.2	10.0	-28.3	35.9	*	46.3	88	10	9	165	*	639.9

AGROCLIMATOLOGICAL STATIONS

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STATION	Temperature C				Snowfall (cm)	Total Precipitation (mm)	% of Normal Precipitation	Snow on ground at end of month (cm)	No. of days with Precip 1.0 mm or more	Bright Sunshine (hours)	Degree days above 5 C	
	Mean	Difference from Normal	Maximum	Minimum							This month	Since Jan. 1st
<b>BRITISH COLUMBIA</b>												
AGASSIZ	10.7	1.2	24.0	.5	.0	78.2	71	0	12	195	171.3	354.4
SIDSEY	0.0	0.0	0.0	0.0	0.0	0.0	00	000	000	00	0.0	0.0
<b>ALBERTA</b>												
BEAVERLODGE	3.4	.8	17.0	-11.5	10.0	23.7	123	0	8	188	13.3	13.3
LACOMBE	2.5	-.6	15.7	-12.5	14.5	24.9	106	0	6	00	8.6	10.5
<b>SASKATCHEWAN</b>												
INDIAN HEAD	.9	-2.2	15.0	-19.0	8.0	39.0	138	0	6	00	7.0	7.0
SCOTT	1.0	-1.7	15.0	-18.0	.0	12.9	54	0	5	171	2.5	3.5
SWIFT CURRENT	1.8	-2.2	15.2	-14.2	6.8	30.9	120	0	9	156	22.4	24.0
<b>MANITOBA</b>												
BRANDON	-.4	-3.7	15.2	-20.2	26.6	30.6	83	0	8	00	4.5	4.5
MORDEN	1.4	-2.0	16.0	-19.0	11.6	14.2	38	0	5	205	13.0	13.0
GLENLEA	1.0	-3.0	16.0	-18.0	4.7	7.1	17	0	5	217	9.0	10.3
<b>ONTARIO</b>												
DELHI	4.8	-1.9	19.0	-10.5	12.0	70.2	75	0	12	00	35.3	85.0
HARROW	6.4	-1.5	19.2	-7.9	.0	87.9	109	0	12	00	74.3	111.8
KAPUSKASING	-1.6	-2.1	11.5	-21.5	21.7	54.7	112	0	7	144	.0	1.2
OTTAWA	4.1	-1.6	18.0	-13.9	2.9	51.0	79	0	8	169	51.3	81.9
SMITHFIELD	4.5	-1.6	15.9	-11.8	.0	75.1	92	0	6	00	44.7	79.7

Courtesy of Agriculture Canada

STATION	Temperature C				Snowfall (cm)	Total Precipitation (mm)	% of Normal Precipitation	Snow on ground at end of month (cm)	No. of days with Precip 1.0 mm or more	Bright Sunshine (hours)	Degree days above 5 C	
	Mean	Difference from Normal	Maximum	Minimum							This month	Since Jan. 1st
<b>QUEBEC</b>												
LA POCAIERE	1.2	-1.6	12.0	-17.0	3.0	40.0	63	0	7	177	3.6	3.6
L'ASSOMPTION	3.4	-1.6	16.7	-21.0	4.4	84.6	118	0	18	182	30.9	31.8
NORMANDIN	-2.6	-3.1	14.1	-20.2	0.0	46.0	94	0	12	138	2.2	2.2
<b>NEW BRUNSWICK</b>												
FREDERICTON	3.2	-.8	16.0	-15.5	10.4	58.7	71	0	9	183	19.5	24.5
<b>NOVA SCOTIA</b>												
KENTVILLE	3.5	-.9	15.0	-13.0	22.4	53.8	65	5	12	172	26.9	61.3
NAPPAN	3.0	-.3	15.0	-14.0	11.3	53.3	71	0	11	164	19.0	29.5
<b>PRINCE EDWARD ISLAND</b>												
CHARLOTTETWN	0.0	0.0	0.0	0.0	0.0	0.0	00	000	000	00	0.0	0.0
<b>NEWFOUNDLAND</b>												
ST. JOHN'S WEST	1.8	.2	13.5	-11.0	.0	103.6	82	0	16	135	7.2	11.5

Courtesy of Agriculture Canada