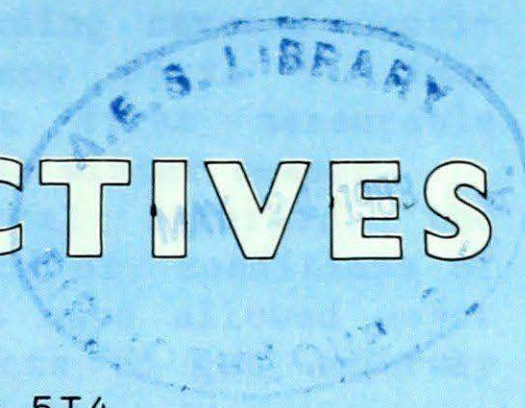


CLIMATIC PERSPECTIVES



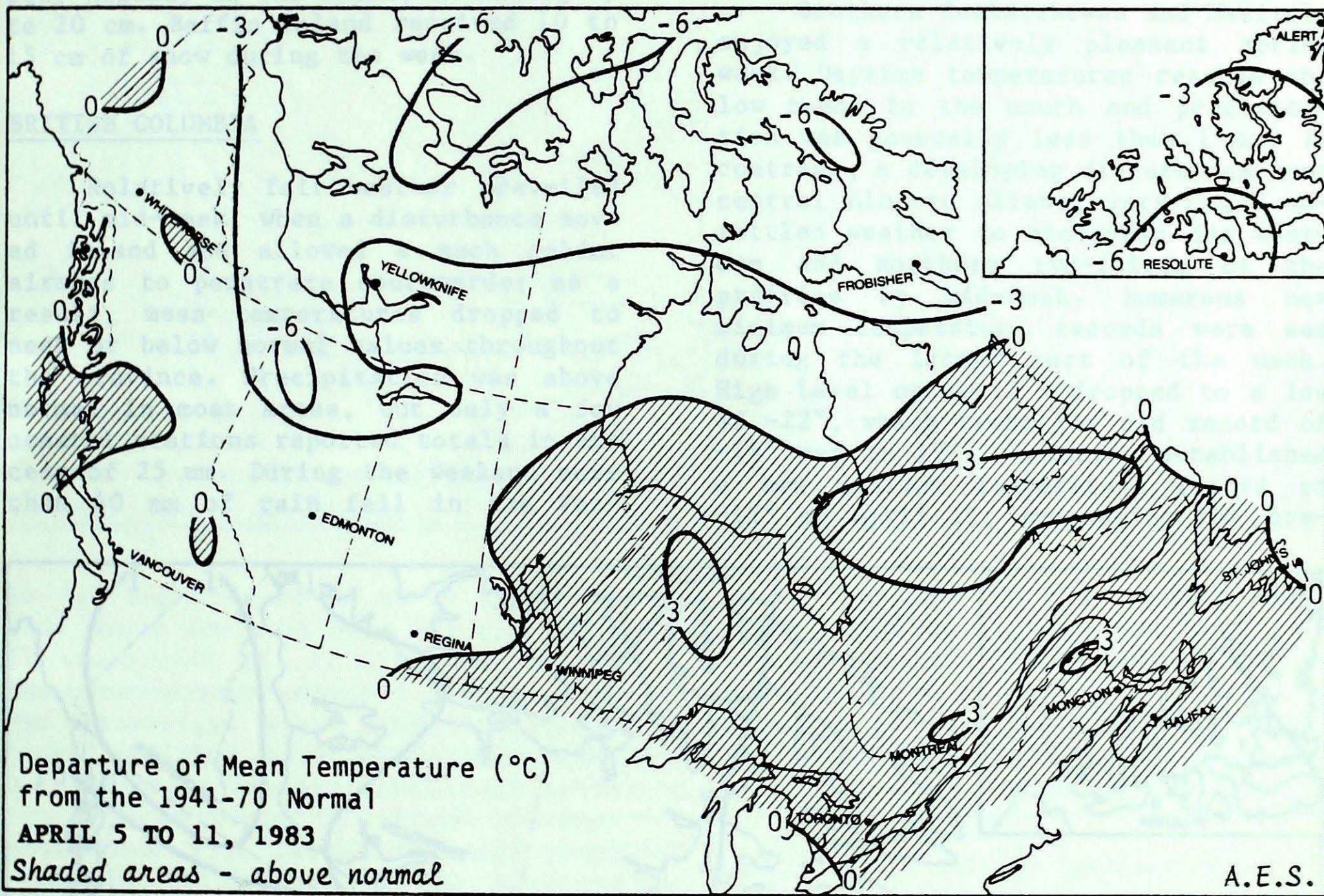
Canada

THE CANADIAN CLIMATE CENTRE,
ATMOSPHERIC ENVIRONMENT SERVICE,
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RIL 15, 1983

(Aussi disponible en français)

VOL.5 NO. 15



WEATHER HIGHLIGHTS FOR THE PERIOD - APRIL 5-11, 1983

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* Mild temperatures continued across southern Canada during March...	7
* Heavy rain delays field work in southern Ontario...	2
* Significant snowfall in eastern Québec...	3
* Persistent mild and dry weather advances the construction schedule several weeks in central British Columbia...	2
* Cold temperatures averaged 3 to 7 degrees below normal across the Territories...	2

NOTE: The data shown in this publication are based on unverified reports from approximately 225 Canadian and 115 northern United States Synoptic stations.

YUKON AND THE NORTHWEST TERRITORIES

Cold temperatures averaged 3 to 7 degrees below normal. Numerous record low temperatures were set; for example, -39° at Coppermine on April 8 broke the old record of -36° for the date set in 1960. In the Yukon, strong winds along with the cold weather produced high wind chill values.

Significant snow fell on the Dempster highway in the Yukon, amounting up to 20 cm. Baffin Island received 10 to 15 cm of snow during the week.

BRITISH COLUMBIA

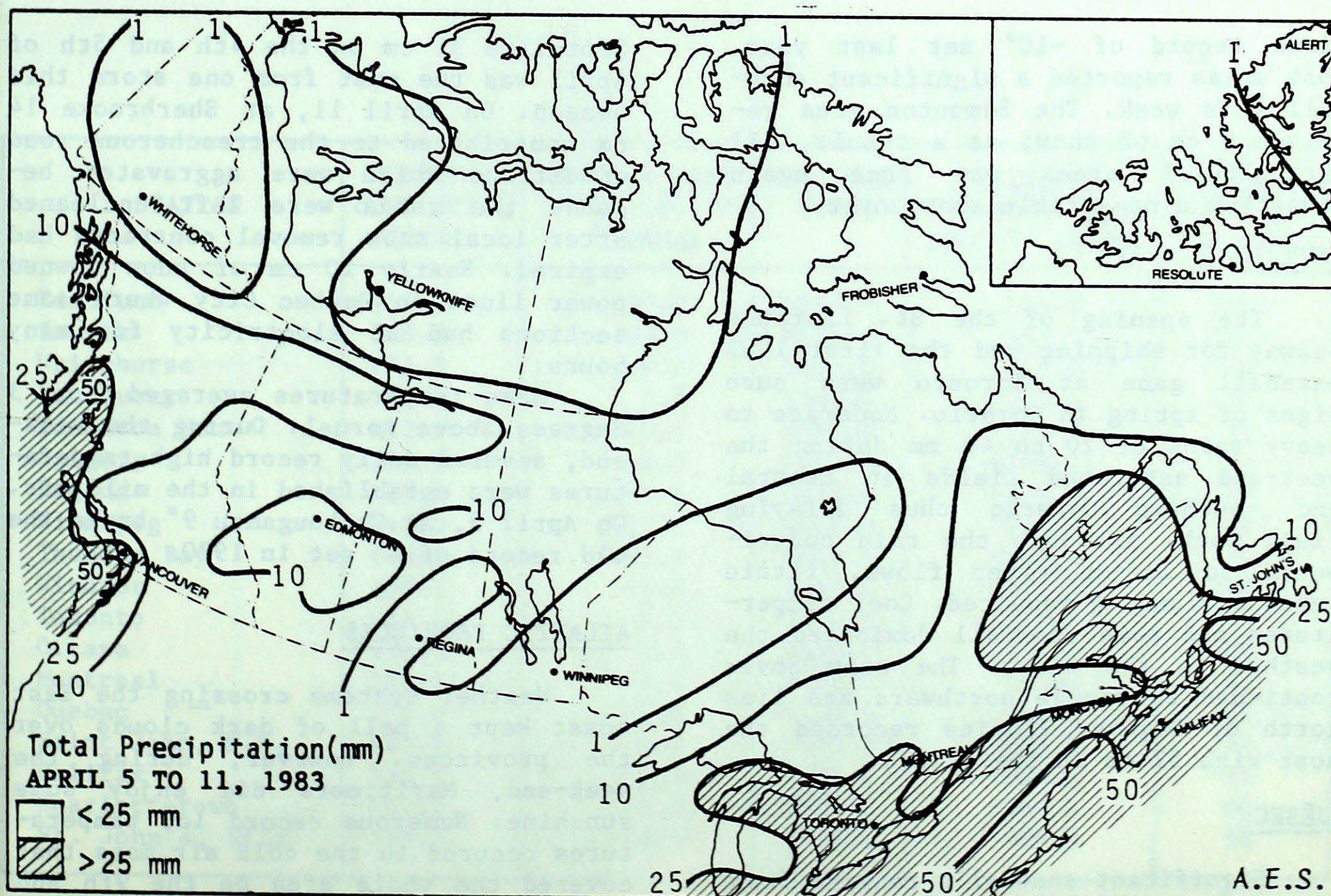
Relatively fair weather prevailed until mid-week, when a disturbance moved inland and allowed a much colder airmass to penetrate southwards; as a result, mean temperatures dropped to near or below normal values throughout the province. Precipitation was above normal in most areas, but only a few coastal stations reported totals in excess of 25 mm. During the weekend more than 40 mm of rain fell in the Van-

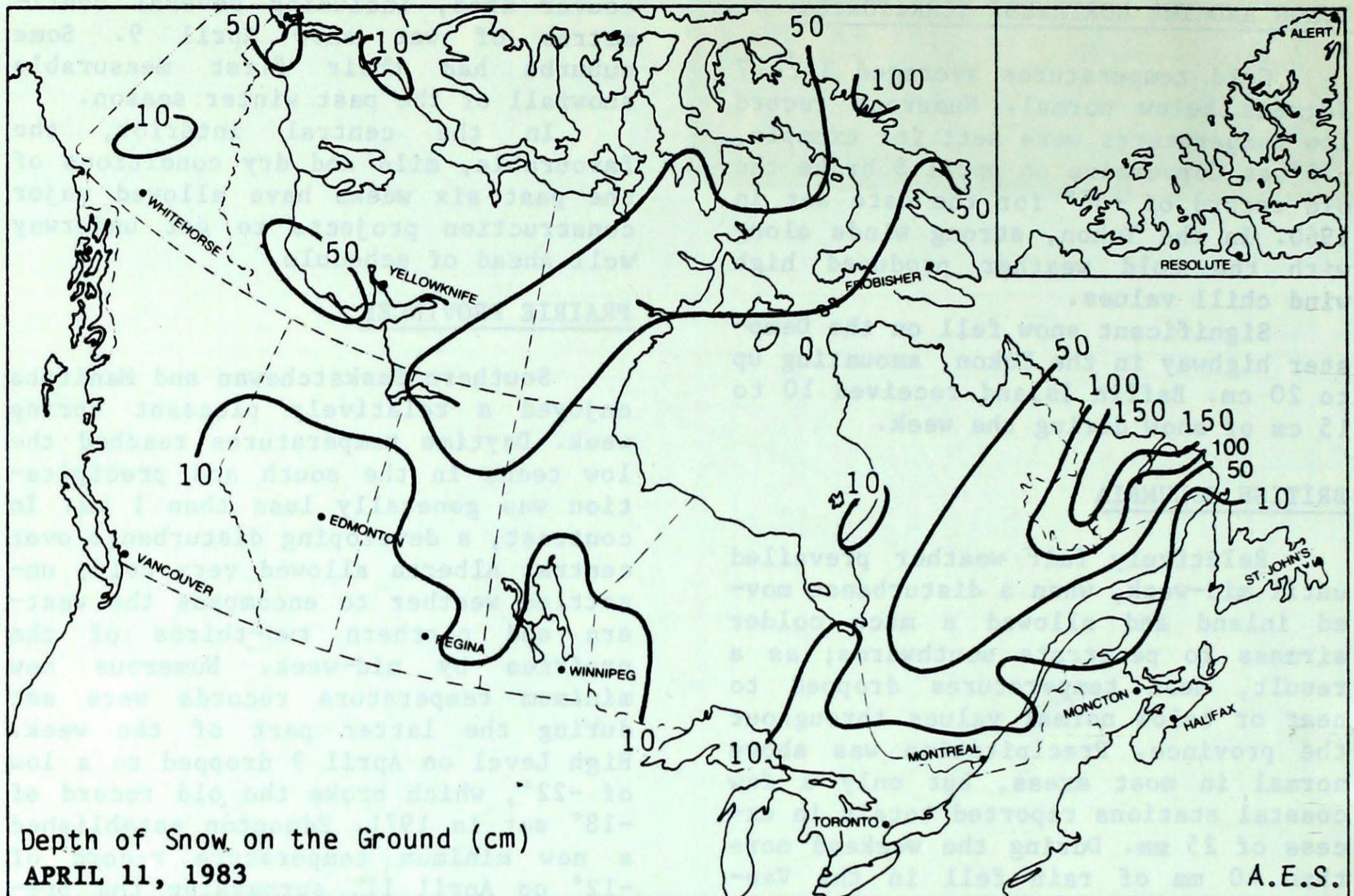
couver area, including several centimetres of wet snow April 9. Some suburbs had their first measurable snowfall of the past winter season.

In the central interior, the favourable, mild and dry conditions of the past six weeks have allowed major construction projects to get underway well ahead of schedule.

PRAIRIE PROVINCES

Southern Saskatchewan and Manitoba enjoyed a relatively pleasant spring week. Daytime temperatures reached the low teens in the south and precipitation was generally less than 1 mm. In contrast, a developing disturbance over central Alberta allowed very cold, unsettled weather to encompass the western and northern two-thirds of the prairies by mid-week. Numerous new minimum temperature records were set during the latter part of the week. High Level on April 9 dropped to a low of -22° , which broke the old record of -18° set in 1971. Edmonton established a new minimum temperature record of -12° on April 11, surpassing the pre-





vious record of -10° set last year. Most areas reported a significant snowfall this week. The Edmonton area received 8 cm of snow; as a result, all agricultural areas are once again reporting a measurable snow cover.

ONTARIO

The opening of the St. Lawrence Seaway for shipping and the first 1983 baseball game at Toronto were sure signs of spring in Ontario. Moderate to heavy rains of 20 to 40 mm during the week-end saturated fields in central and southern Ontario thus delaying field work. Although the rain contributed to larger river flows, little serious flooding resulted. Cool temperatures and some snowfall dominated the weather in the north. The snow cover continued to recede northward and lies north of Gogama. Timmins recorded the most with 52 cm on the ground.

QUÉBEC

Significant snowfalls ranging from 30 to 40 mm fell in eastern Québec; at

Sept-Îles 31 cm on the 4th and 5th of April was the most from one storm this season. On April 11, at Sherbrooke 14 cm contributed to the treacherous road conditions which were aggravated because the roads were left uncleaned after local snow removal contracts had expired. Nearly 20 cm of snow downed power lines in Québec City where some sections had no electricity for many hours.

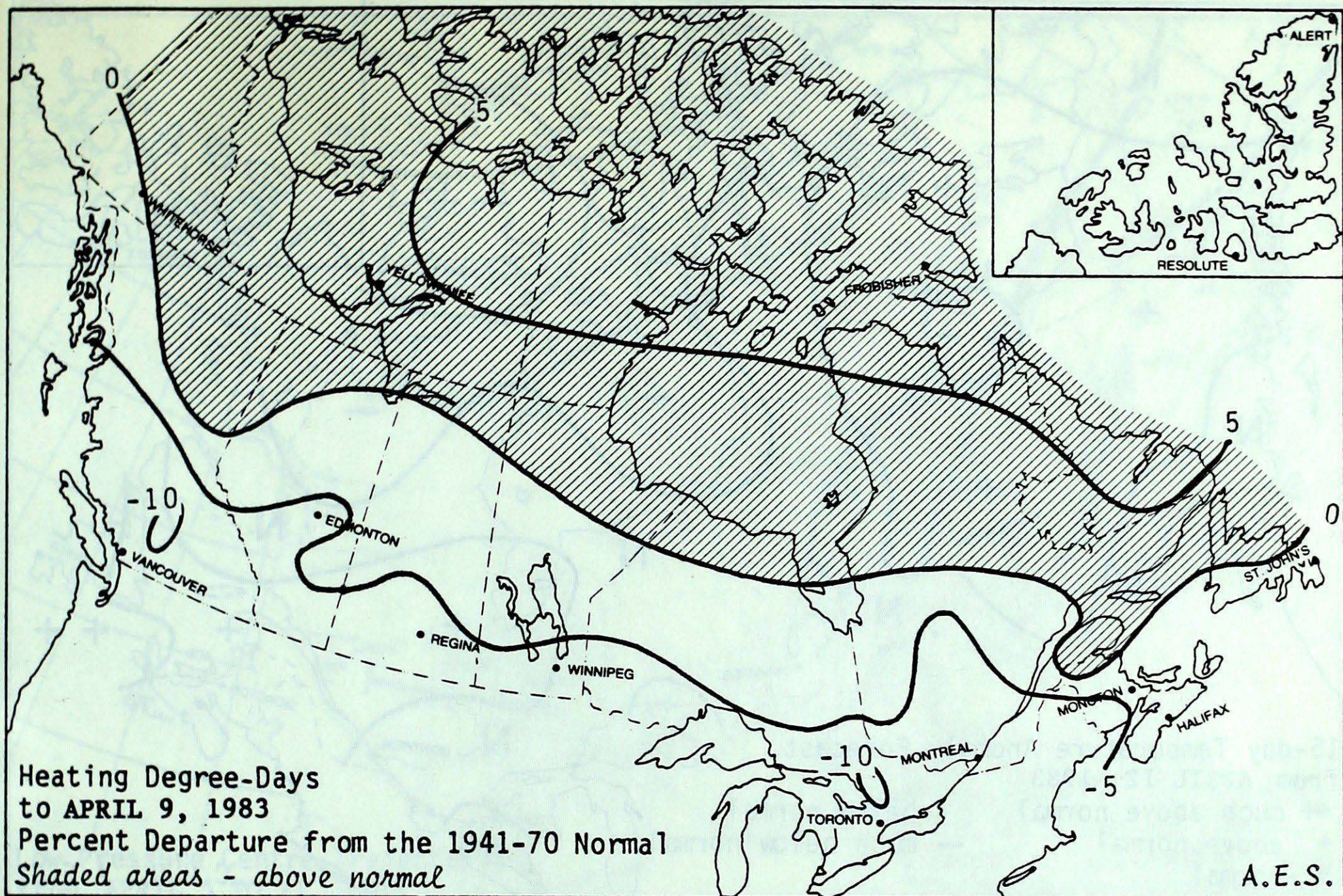
Mean temperatures averaged 2 to 3 degrees above normal. During the week-end, several daily record high temperatures were established in the mild air. On April 9, at Chibougamau 9° broke the old record of 4° set in 1980.

ATLANTIC PROVINCES

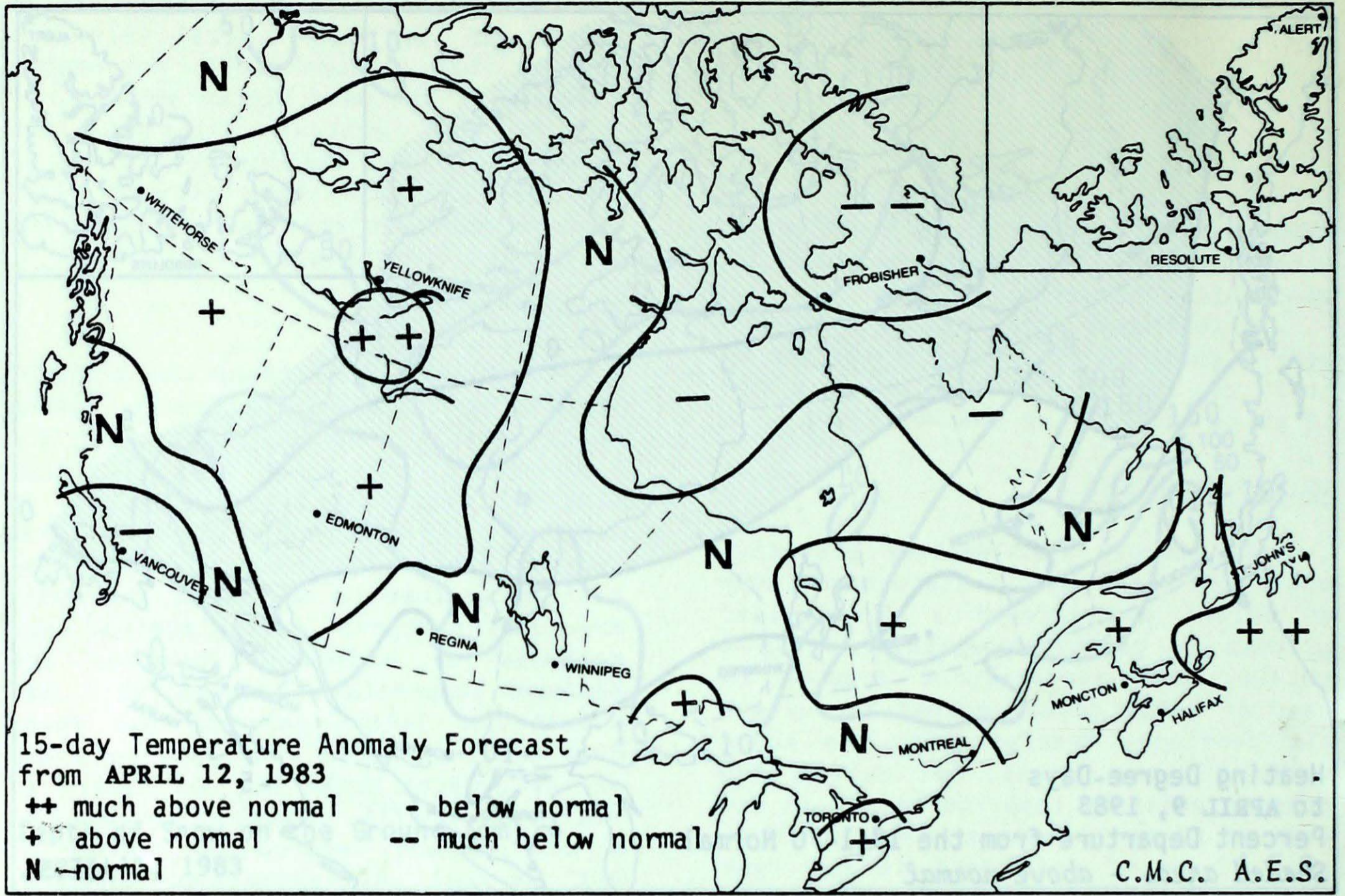
Weather systems crossing the East coast kept a pall of dark clouds over the provinces. However, during the week-end, Maritimers did enjoy some sunshine. Numerous record low temperatures occurred in the cold air mass that covered the whole area on the 9th and 10th of April; for example, -10° at St.

(continued on page 9)

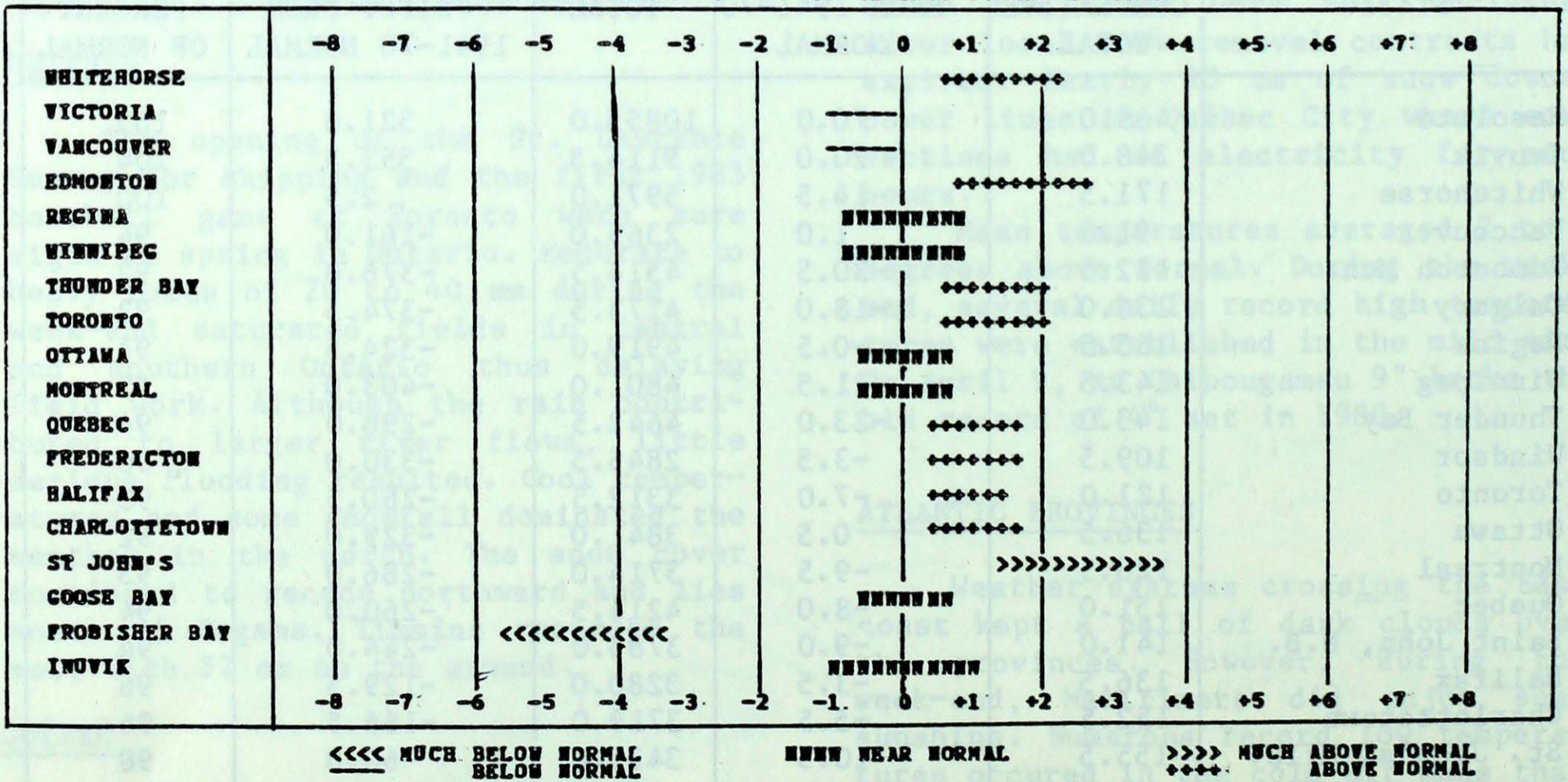
HEATING DEGREE-DAY SUMMARY TO APRIL 9, 1983



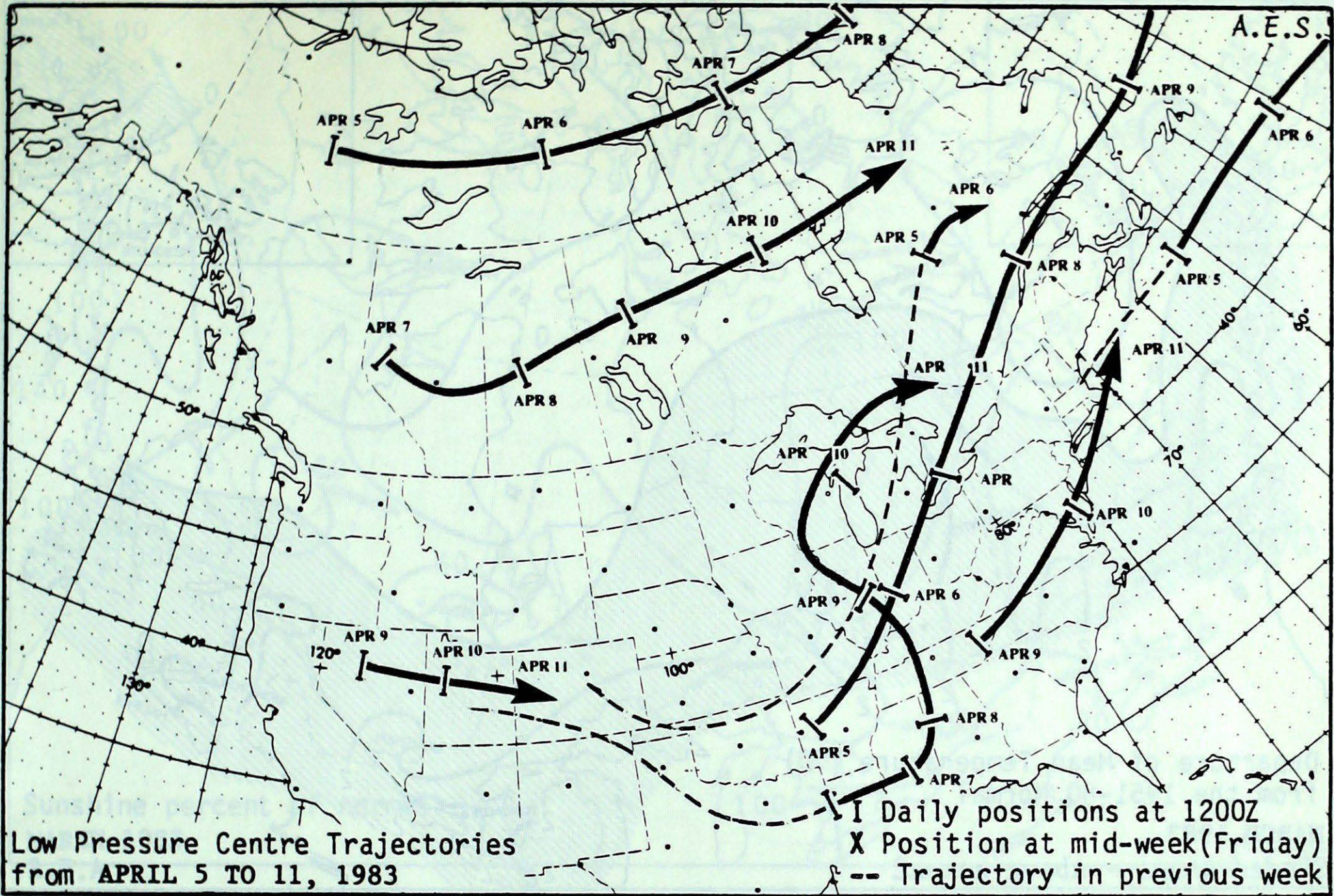
STATION	MONTHLY CUMULATIVE TOTAL	MONTHLY DIFF. FROM 1941-70 NORMAL	SEASONAL TOTAL	SEASONAL DIFF. FROM 1941-70 NORMAL	SEASONAL PERCENT OF NORMAL
Resolute	469.0	70.0	10855.0	521.0	105
Inuvik	348.0	20.0	9114.5	353.5	104
Whitehorse	171.5	-14.5	5971.0	2.5	100
Vancouver	91.0	1.0	2365.0	-161.0	94
Edmonton Mun	122.5	-30.5	4514.5	-376.0	92
Calgary	136.0	-18.0	4173.5	-374.5	92
Regina	165.5	-0.5	4919.0	-324.5	94
Winnipeg	143.5	-21.5	4801.0	-403.0	92
Thunder Bay	143.0	-23.0	4642.5	-298.0	94
Windsor	109.5	-3.5	2845.5	-330.0	90
Toronto	121.0	-7.0	3312.5	-260.5	93
Ottawa	136.5	0.5	3841.0	-329.0	92
Montreal	128.5	-9.5	3714.0	-286.0	93
Quebec	151.0	-8.0	4214.5	-260.0	94
Saint John, N.B.	141.0	-9.0	3785.0	-244.0	94
Halifax	136.5	-3.5	3280.0	-129.5	96
Charlottetown	152.5	-5.5	3719.0	-166.5	96
St. John's, Nfld.	155.5	-10.5	3436.0	-60.0	98



TEMPERATURE ANOMALY FORECAST FOR APR 12 1983 TO APR 26 1983

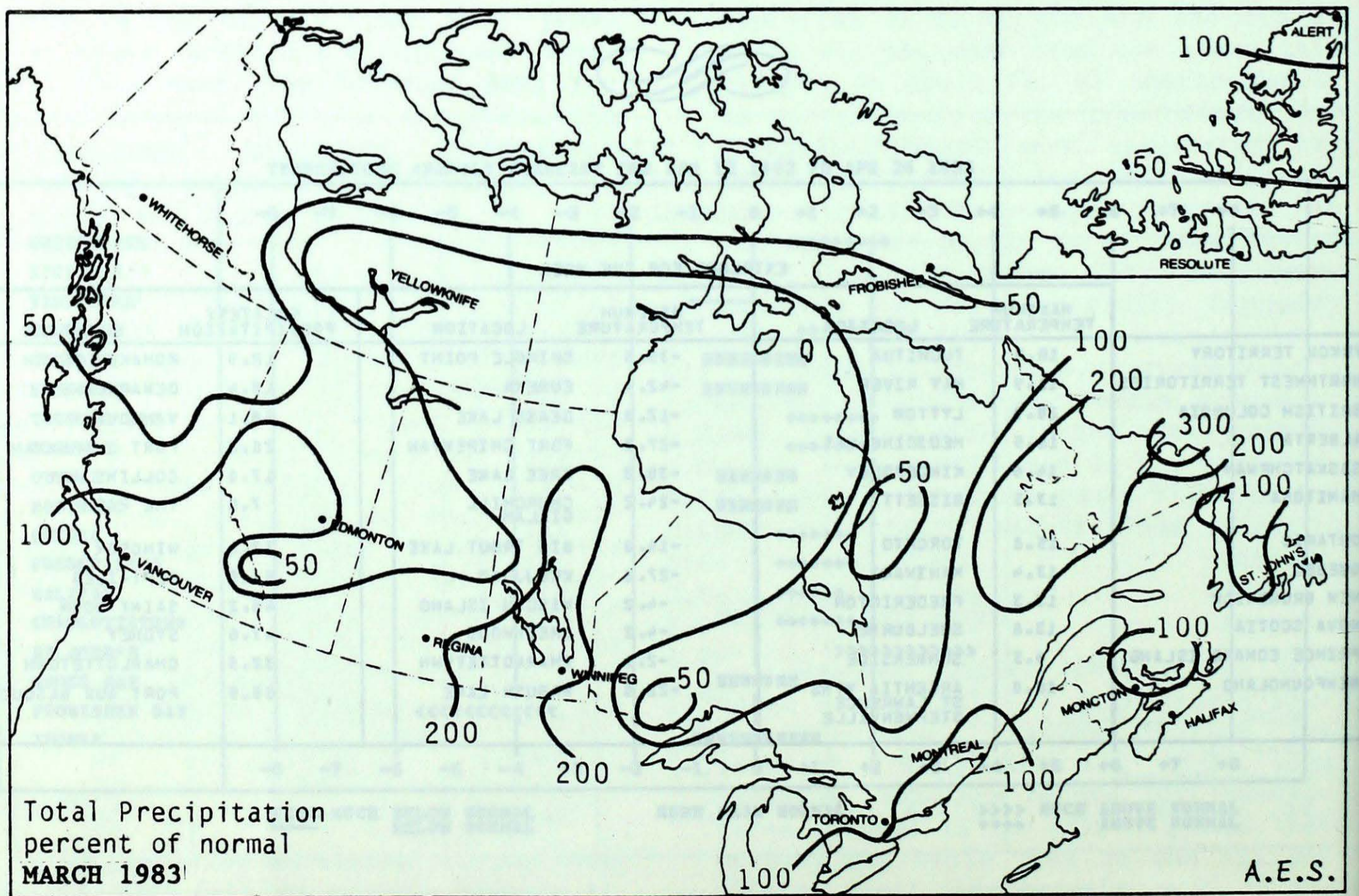
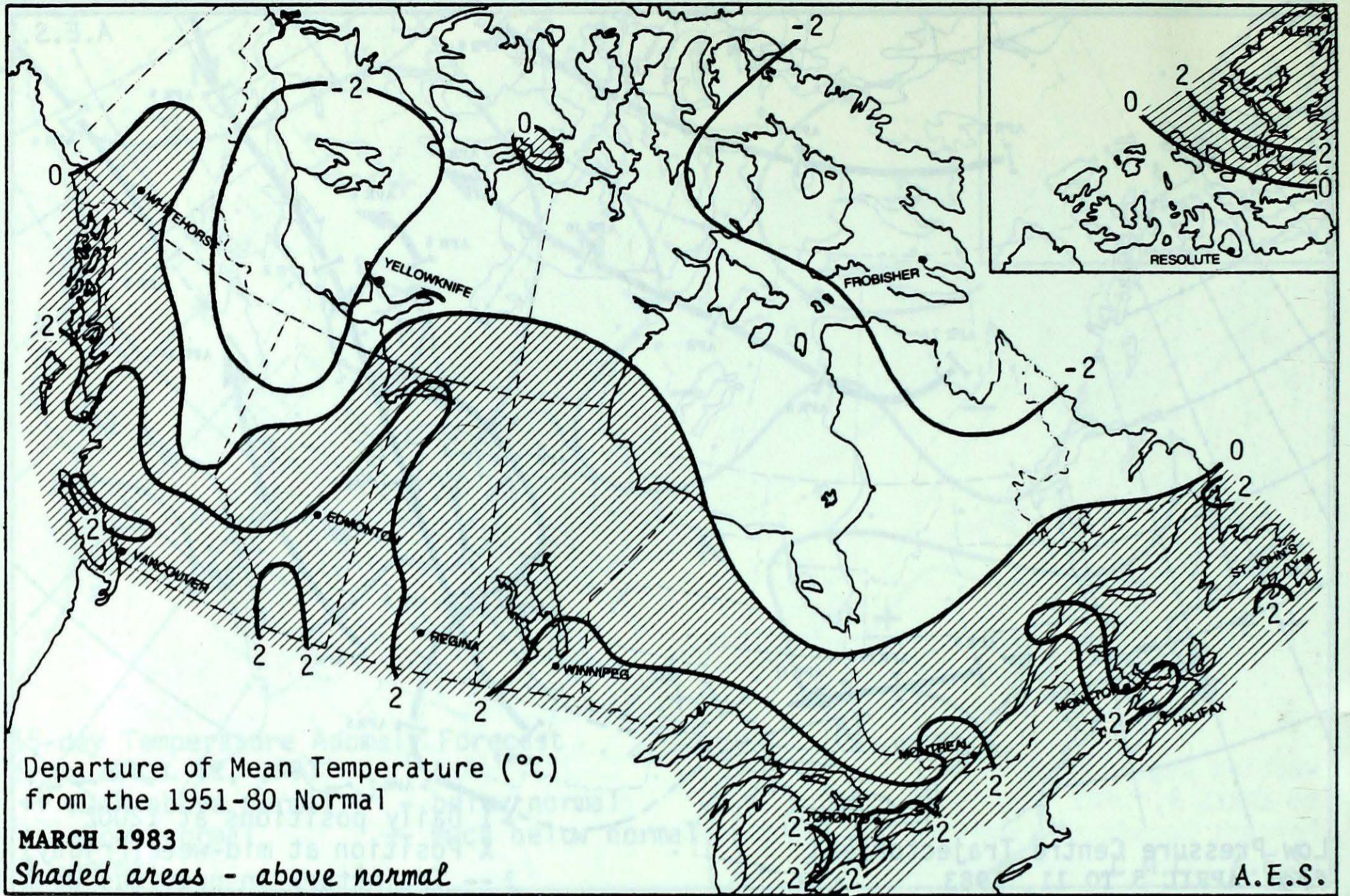


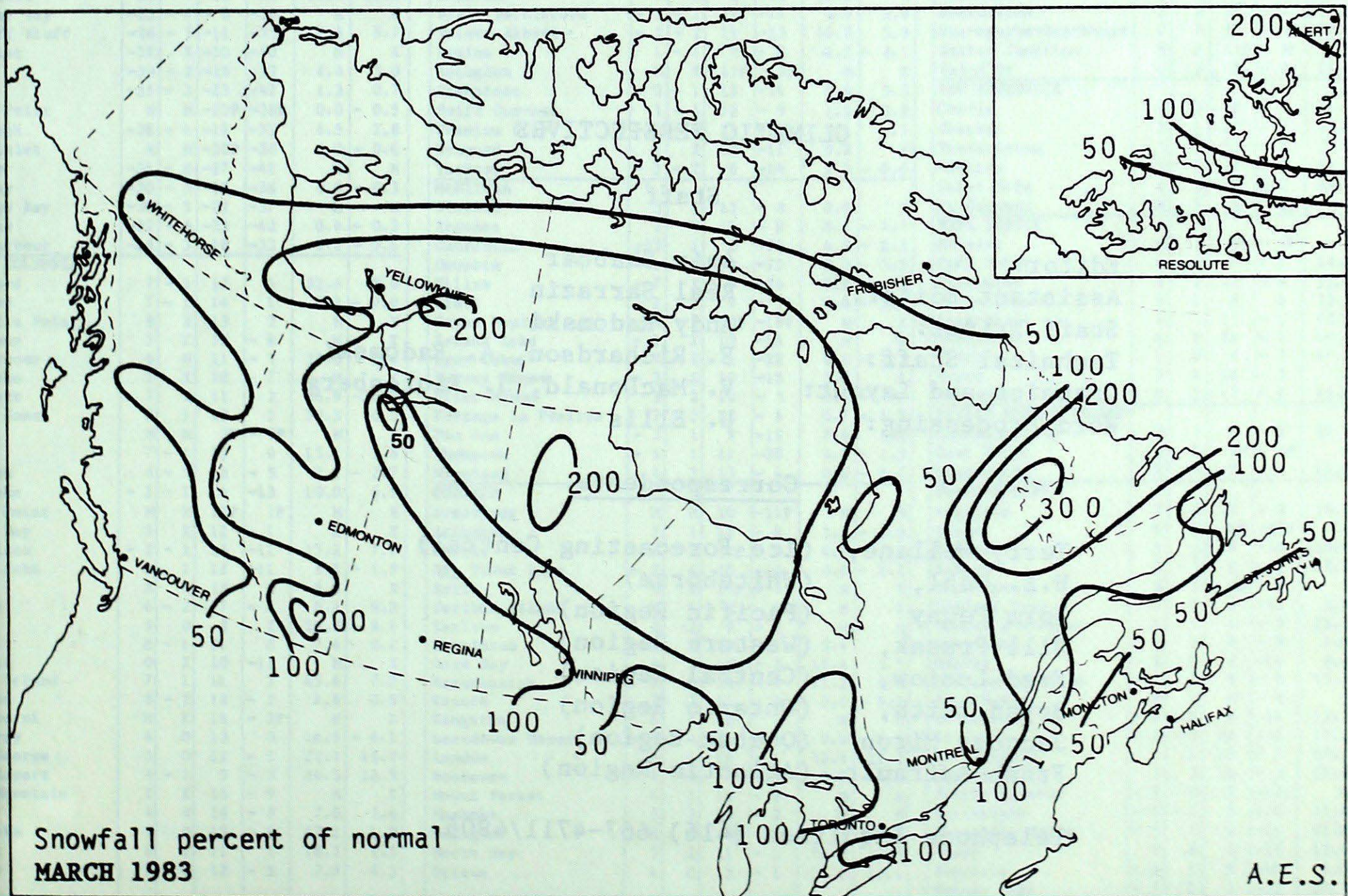
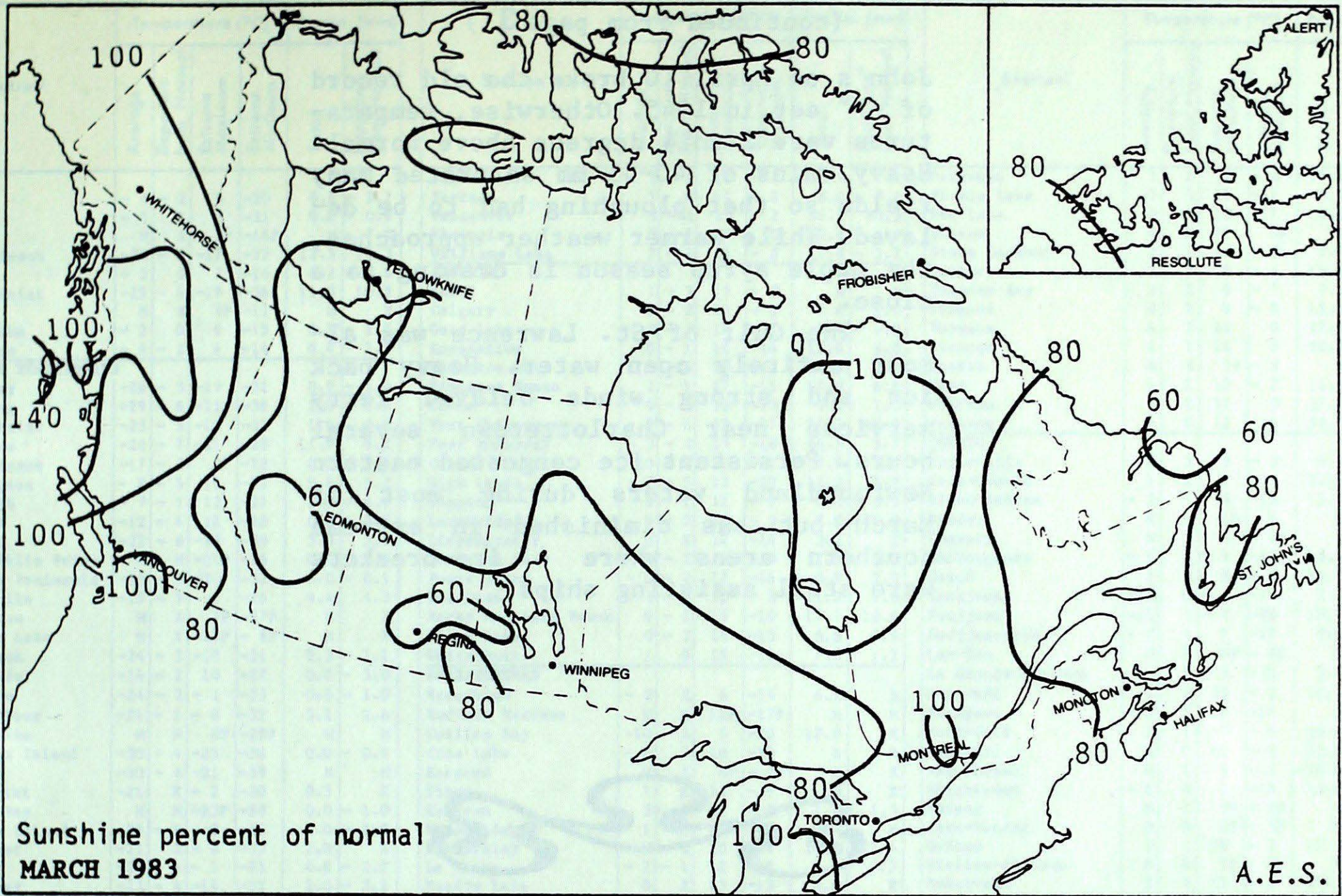
LOW PRESSURE CENTRE TRAJECTORIES



EXTREMES FOR THE WEEK

	MAXIMUM TEMPERATURE	LOCATION	MINIMUM TEMPERATURE	LOCATION	GREATEST PRECIPITATION	LOCATION
YUKON TERRITORY	18.8	TUCHITUA	-35.5	SHINGLE POINT	12.5	KOMAKUK BEACH
NORTHWEST TERRITORIES	11.9	MAY RIVER	-42.4	EUREKA	15.4	DEWAR LAKES
BRITISH COLUMBIA	28.9	LYTTON	-12.8	DEASE LAKE	56.1	VANCOUVER
ALBERTA	18.5	MEDICINE HAT	-27.0	FORT CHIPEWYAN	20.2	FORT CHIPEWYAN
SASKATCHEWAN	14.6	KINDERSLEY	-38.3	CREE LAKE	17.0	COLLINS BAY
MANITOBA	13.3	BISSETT	-24.2	CHURCHILL GILLAM	7.6	THE PAS
ONTARIO	15.8	TORONTO	-16.0	BIG TROUT LAKE	37.4	WINDSOR
QUEBEC	13.4	MANIWAKI	-27.8	KUUJJUAQ	57.5	SEPT-ILES
NEW BRUNSWICK	13.3	FREDERICTON	-4.2	MISCOU ISLAND	48.2	SAINT JOHN
NOVA SCOTIA	13.8	SHELburne	-4.2	GREENWOOD	47.6	SYDNEY
PRINCE EDWARD ISLAND	8.5	SUMMERSIDE	-2.1	CHARLOTTETOWN	32.5	CHARLOTTETOWN
NEWFOUNDLAND	10.0	ARGENTIA VTMS ST LAWRENCE STEPHENVILLE	-22.0	WABUSH LAKE	55.5	PORT AUX BASQUES

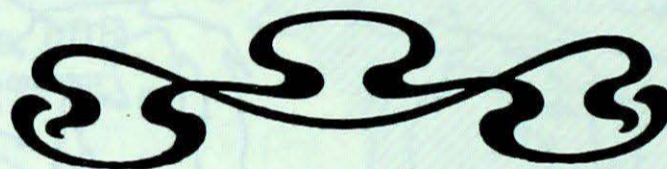




(continued from page 3)

John's on April 10 broke the old record of -7° set in 1945. Otherwise, temperatures were 2 to 4 degrees above normal. Heavy rains of 40-55 mm saturated many fields so that ploughing had to be delayed. While warmer weather approaches, the maple syrup season is drawing to a close.

The Gulf of St. Lawrence was almost entirely open water. Heavy pack ice and strong winds delayed ferry services near Charlottetown several hours. Persistent ice congested eastern Newfoundland waters during most of March but has diminished in extreme southern areas where 4 ice-breakers were still assisting ships.



CLIMATIC PERSPECTIVES

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TEMPERATURE AND PRECIPITATION DATA FOR THE WEEK ENDING 0600 G.M.T. APRIL 12, 1983

Station	Temperature (°C)				Precip. (mm)	
	Average	Departure from Normal	Extreme Maximum	Extreme Minimum	Total	Departure from Normal
North	-6	-2	6	-20	0.6	-2.2
Northon	-3	1	8	-21	0.8	-0.9
Kuk Beach	-25	-6	-17	-33	12.5	12.3
ngle Point	-3	0	7	-16	0.2	-0.6
in Lake	-25	-6	-19	-36	11.3	10.9
horse	-3	0	6	-15	0.7	-2.1
horse	-4	-2	4	-14	0.4	-2.3
WEST TERRITORIES						
Parry	-26	-5	-19	-31	0.9	-1.4
Young	-29	-6	-21	-38	2.0	1.3
ton Point	-25	-5	-19	-32	1.0	0.0
ermine	-28	-7	-21	-39	11.9	9.2
Reliance	-17	-3	8	-28	0.0	-2.4
Simpson	-9	-5	11	-23	9.4	5.3
Smith	-7	-1	12	-21	0.0	-4.5
River	-12	-4	12	-28	0.0	-3.8
ik	-22	-6	-12	-35	5.3	3.1
Franklin Point	M	M	-21P	-36	0.0	-0.6
olson Peninsula	-25	-5	-20	-32	0.0	-0.1
an Wells	-16	-5	1	-26	4.4	1.3
Radium	M	X	1P	-27P	M	X
rtson Lake	M	X	-25P	-8P	M	X
oyaktuk	-24	-5	-18	-31	0.3	-1.1
owknife	-14	-2	10	-27	0.0	-3.0
r Lake	-24	-2	-1	-35	0.6	-1.0
Harbour	-21	-2	-8	-32	5.1	2.6
dai Lake	M	M	OP	-28P	M	M
y Lind Island	-30	-4	-23	-36	0.0	-0.6
y Bay	-30	-6	-21	-39	M	M
n Inlet	-21	X	-2	-30	0.3	X
herd Bay	M	M	-23P	-38	0.0	-1.0
ghton Island	-24	-6	-9	-36	0.0	-2.9
Dorset	-21	X	-8	-33	2.0	X
Dyer	-21	-5	-5	-35	4.8	-2.2
Hooper	-23	-4	-14	-32	2.0	-3.1
Lakes	-25	-4	-13	-32	12.4	9.5
Laker Bay	-28	-7	-13	-40	15.4	12.8
stiff Bluff	-23	-6	-8	-34	M	M
Inlet	-26	-5	-11	-35	8.4	6.7
Inlet	-32	X	-20	-40	M	X
Inlet	-30	-2	-24	-37	4.4	3.0
Inlet	-35	-3	-25	-42	1.3	0.7
nan Point	M	M	-23P	-38P	0.0	-0.5
Beach	-28	-4	-19	-35	4.5	2.8
ar Inlet	M	M	-20P	-38	0.0	-0.6
ute	-34	-8	-27	-42	M	M
Bay	-30	-5	-22	-36	0.0	-0.3
idge Bay	-30	-5	-22	-37	M	M
Bay	-32	-6	-23	-42	0.4	-0.3
Harbour	-26	-3	-18	-33	0.0	-0.6
BRITISH COLUMBIA						
esford	7	-1	17	1	32.6	9.6
Bay	7	-1	14	1	9.3	-9.0
trite Point	8	X	13	2	M	X
River	3	X	13	-6	M	X
Harbour	6	0	11	-1	27.0	1.4
Lake	2	X	10	-7	M	X
Scott	7	0	11	2	26.9	-24.8
St James	7	1	13	2	30.5	8.5
on	M	X	5P	-9P	M	X
ook	7	-1	13	0	15.1	3.6
Lake	4	-2	16	-5	2.2	-2.7
Lake	-2	-1	4	-13	10.0	6.9
an Point	M	M	12P	1P	M	M
da Bay	5	X	12	-1	M	X
Nelson	-2	-1	16	-11	13.2	7.7
St John	0	1	12	-11	2.8	-1.9
ops	8	X	18	0	8.6	X
ra	6	-2	17	-3	8.4	6.8
n	5	0	8	2	18.5	-8.1
nzie	8	-1	21	0	7.4	0.2
es Island	0	X	10	-11	M	X
cton	7	1	11	3	43.6	7.2
Alberni	6	-2	18	-2	4.8	0.8
Hardy	M	X	18	-2P	M	X
e George	6	0	13	0	16.9	-6.1
e Rupert	3	0	12	-5	22.1	15.9
i Mountain	4	-1	9	-3	54.5	12.9
el	2	X	16	-9	M	X
el	4	0	16	-8	7.0	1.6
stoke	5	0	15	-2	17.2	1.9
pit	6	1	11	1	18.2	1.5
ers	3	0	12	-5	7.8	4.3

Station	Temperature (°C)				Precip. (mm)	
	Average	Departure from Normal	Extreme Maximum	Extreme Minimum	Total	Departure from Normal
Stewart	5	X	11	-3	M	X
Terrace	5	0	11	-2	8.0	-7.0
Vancouver	8	-1	15	2	56.1	43.3
Victoria	7	-1	15	0	12.8	4.0
Williams Lake	2	-1	14	-8	1.8	-5.2
ALBERTA						
Banff	1	-1	15	-8	M	M
Calgary	1	-2	15	-8	7.4	1.2
Cold Lake	0	-1	14	-11	0.4	-4.8
Coronation	0	-1	16	-16	10.6	6.0
Edmonton Intl	0	-1	16	-13	11.5	5.9
Edmonton Nmaso	1	-1	17	-11	10.0	6.8
Edson	0	-2	16	-10	3.4	1.0
Fort Chipewyan	-8	-6	12	-27	20.2	15.8
Fort McMurray	-3	-2	15	-18	14.5	9.7
Grande Prairie	0	-1	11	-11	7.9	2.8
High Level	-7	-8	13	-22	12.2	3.8
Jasper	1	-1	12	-9	0.0	-5.5
Lethbridge	2	-2	16	-9	6.0	-0.3
Lloydminster	0	X	12	-14	3.2	X
Medicine Hat	2	-2	19	-9	12.9	9.3
Peace River	-2	-2	12	-16	5.9	2.0
Red Deer	1	-1	15	-8	11.8	7.6
Rocky Mountain House	0	-2	15	-10	17.1	10.6
Slave Lake	0	-3	14	-13	6.8	0.9
Whitecourt	1	0	15	-11	7.8	1.3
SASKATCHEWAN						
Broadview	-2	X	6	-14	6.2	X
Buffalo Narrows	M	M	12P	-17P	M	M
Collins Bay	-10	X	9	-28	17.0	X
Cree Lake	-8	X	10	-30	M	X
Eastend	M	X	6P	-7P	M	X
Elbow	1	X	12	-9	M	X
Estevan	3	1	14	-7	7.4	1.5
Hudson Bay	-1	-1	10	-13	M	M
Kindersley	0	-2	15	-14	14.7	12.4
La Ronge	-2	-1	12	-15	5.0	0.3
Meadow Lake	0	X	15	-13	4.6	X
Moose Jaw	3	-1	12	-7	0.0	-2.7
Nipawin	-4	X	6	-15	11.2	X
North Battleford	-1	-1	12	-19	6.9	2.9
Prince Albert	-2	-2	11	-15	12.8	5.9
Regina	1	-1	9	-8	-1.2	-3.1
Rockglen	M	X	11P	-8P	M	X
Saskatoon	0	-1	13	-14	9.4	5.3
Swift Current	1	-1	12	-9	1.6	-0.8
Uranium City	-10	-4	11	-26	8.6	4.5
Wynyard	1	X	10	-11	0.2	X
Yorkton	-3	-2	6	-14	3.3	-0.6
MANITOBA						
Bissett	3	X	13	-8	0.0	X
Brandon	1	1	11	-8	0.4	-4.7
Churchill	-13	1	6	-24	4.6	-0.3
Dauphin	-1	-1	10	-13	2.3	-3.5
Gillam	-7	X	8	-24	2.8	X
Gimli	2	2	9	-5	0.0	-5.1
Grand Rapids	M	X	10P	-18P	M	X
Island Lake	-1	X	10	-18	M	X
Lynn Lake	-7	-2	11	-22	2.6	-2.5
Norway House	-3	X	10	-15	3.0	X
Pilot Mound	3	2	12	-5	0.4	-4.7
Portage la Prairie	3	2	12	-5	0.7	-4.8
The Pas	-2	1	9	-19	7.6	1.6
Thompson	-5	1	11	-20	4.3	-1.5
Winnipeg	4	3	13	-4	0.0	-5.7
ONTARIO						
Armstrong	M	M	10	-11P	M	M
Atikokan	2	1	12	-8	1.2	-5.5
Barrie	M	X	11P	0	0.0	X
Big Trout Lake	-3	4	10	-16	0.0	-6.2
Britt	M	X	13P	-4	M	X
Caribou Island	M	X	M	M	M	X
Earlton	2	2	9	-8	M	M
Geraldton	-1	X	10	-11	5.4	X
Gore Bay	4	2	10	-2	16.4	1.5
Kapuskasing	0	2	10	-9	11.2	0.8
Kenora	3	2	11	-6	0.0	-8.9
Kingston	6	4	12	1	M	M
Lansdowne House	-1	4	11	-1	0.0	-8.1
London	6	1	15	-1	32.9	18.3
Moosonee	-4	1	7	-13	8.0	-1.0
Mount Forest	4	1	10	-1	M	M
Muskoka	5	3	14	-2	M	M
Nagagami	M	X	9P	-12P	M	X
North Bay	3	2	11	-2	30.5	17.3
Ottawa	4	0	12	-1	24.1	13.1

Station	Temperature (°C)				Precip. (mm)	
	Average	Departure from Normal	Extreme Maximum	Extreme Minimum	Total	Departure from Normal
Petawawa	3	X	12	-4	34.0	X
Pickle Lake	0	3	11	-12	0.0	-8.6
Red Lake	0	0	10	-11	0.0	-7.4
Simcoe	M	M	15	OP	M	M
Sioux Lookout	2	2	10	-8	0.0	-10.0
Sudbury	2	2	9	-4	16.2	9.0
Thunder Bay	2	2	9	-7	7.3	-4.9
Timmins	0	2	9	-8	13.6	5.1
Toronto	6	2	16	0	27.2	14.0
Trenton	6	2	12	0	20.3	6.0
Uppsala	M	X	5P	-9	M	X
Wawa	1	X	10	-7	11.1	X
Warton	4	2	12	0	27.7	15.0
Windsor	6	0	12	2	37.4	24.4
QUEBEC						
Bagotville	3	2	9	-3	8.8	-1.5
Baie-Comeau	1	2	7	-2	32.8	22.2
Blanc-Sablon	-2	1	4	-12	13.6	-15.2
Border	M	M	1P	M	M	M
Chevery	M	X	4	-8P	M	X
Chibougamau	-1	X	9	-12	16.6	X
Gaspé	1	X	8	-6	46.8	X
Inukjuak	-15	0	-4	-24	2.2	0.5
Kuujuaq	-11	1	-1	-28	10.1	6.4
Kuujuarapik	-7	4	7	-17	0.0	-7.9
Lac-Eon	M	X	OP	-8P	M	X
La Grande-Riviere	-5	X	3	-13	3.6	X
Maniwaki	4	2	13	-3	19.0	8.7
Matagami	-2	X	9	-12	M	X
Mont-Joli	1	1	7	-6	18.6	4.0
Montréal	5	1	12	-2	35.5	20.2
Natashquan	0	1	6	-7	38.0	20.2
Nitchequon	-5	4	2	-18	10.8	2.7
Parent	M	X	9P	-9P	M	X
Port-Menier	M	M	5P	-5P	M	M
Québec	3	1	10	-2	41.0	25.4
Rivière-du-Loup	M	M	6P	-2P	M	M
Roberval	2	2	13	-6	20.0	11.8
Schefferville	-6	3	1	-23	17.5	7.1
Sept-Îles	-1	1	6	-7	57.5	42.2
Sherbrooke	3	2	12	-4	34.2	19.7
Ste-Agathe-des-Monts	2	4	11	-3	29.4	17.3
Sutton Junction	M	X	11P	-4P	M	X
Val-d'Or	0	2	9	-9	21.6	12.7
NEW BRUNSWICK						
Charlo	1	3	8	-4	25.0	8.2
Chatham	3	1	12	-4	21.6	-2.4
Fredericton	5	2	13	-3	33.3	16.6
Moncton	3	1	10	-3	25.7	-0.6
Saint John	4	2	13	-2	48.2	22.3
St Stephen	M	X	13P	OP	M	X
NOVA SCOTIA						
Amherst	M	X	9P	-3P	M	X
Eddy Point	2	X	6	-1	34.8	X
Greenwood	5	1	12	-4	18.2	-4.0
Sable Island	4	1	8	1	33.9	9.2
Shearwater	4	1	11	-1	47.5	18.6
Shelburne	6	X	14	-1	40.3	X
Sydney	1	0	6	-3	47.6	23.2
Truro	3	2	10	-3	M	M
Yarmouth	5	2	12	-1	45.6	19.5
PRINCE EDWARD ISLAND						
Charlottetown	2	1	8	-2	32.5	8.0</