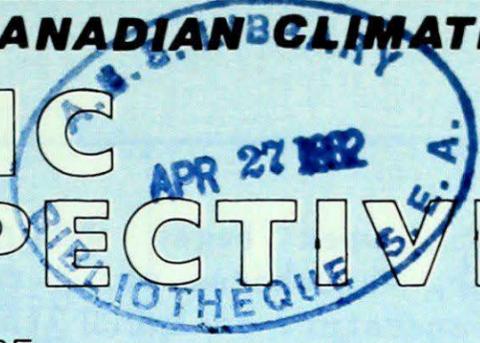
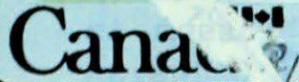


# CLIMATIC PERSPECTIVES



Environment Canada / Environnement Canada

Atmospheric Environment / Environnement atmosphérique

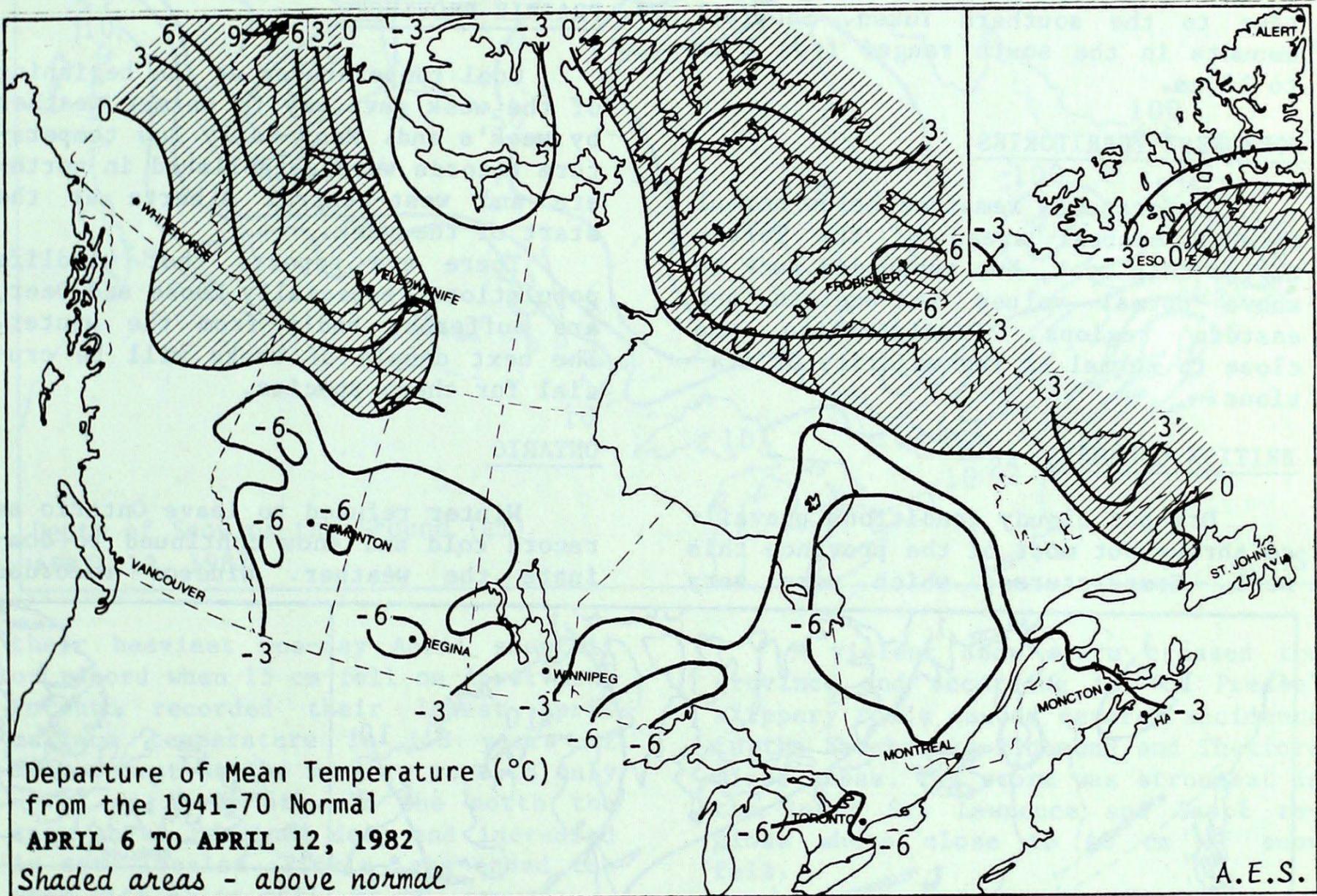


THE CANADIAN CLIMATE CENTRE,  
ATMOSPHERIC ENVIRONMENT SERVICE,  
4905 DUFFERIN ST., DOWNSVIEW, ONTARIO M3H 5T4

APRIL 16, 1982

(Aussi disponible en français)

VOL.4 NO.14



## WEATHER HIGHLIGHTS FOR THE PERIOD - APRIL 6 TO 12, 1982

### Canada comes out from under the deep-freeze

The unseasonably cold weather which covered most of the country at the beginning of the week gave way to milder weather by the end of the week. Only in the Yukon and northern Mackenzie District was this trend reversed.

This unseasonable weather has allowed ski resorts in both British Columbia and Ontario to operate beyond the normal end of the ski season.

Both the Maritimes and Québec were struck by snowstorms this week. Snowfall amounts ranged from 10 cm to 20 cm in the Maritimes and up to 40 cm in eastern Québec.

Temperatures varied from 17.7° at Penticton, B.C. to -42.7° at Eureka, N.W.T. Cape Scott, B.C. recorded the greatest weekly precipitation total, 53.1 mm.

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

YUKON

The week began with very mild weather. Whitehorse set a record maximum temperature on April 7th with 11.6° exceeding the previous record of 8.5° set in 1944. By week's end temperatures were below normal once again.

The latter part of the week also brought extensive cloud and precipitation to the southern Yukon. Snowfall amounts in the south ranged from 2 cm to 10 cm.

NORTHWEST TERRITORIES

Temperatures remained below normal through central areas of the Territories this week, but rebounded back to above normal values in western and eastern regions. Precipitation was close to normal at the majority of stations.

BRITISH COLUMBIA

Dry but cloudy conditions prevailed throughout most of the province this week. Temperatures, which were very

cool at the beginning of the week, were close to seasonal normals by the end of the week.

Ski-resorts in southern areas were still open this week and will probably be open for a few more weeks. Soft fruit trees have started to blossom in the southern end of the Okanagan valley.

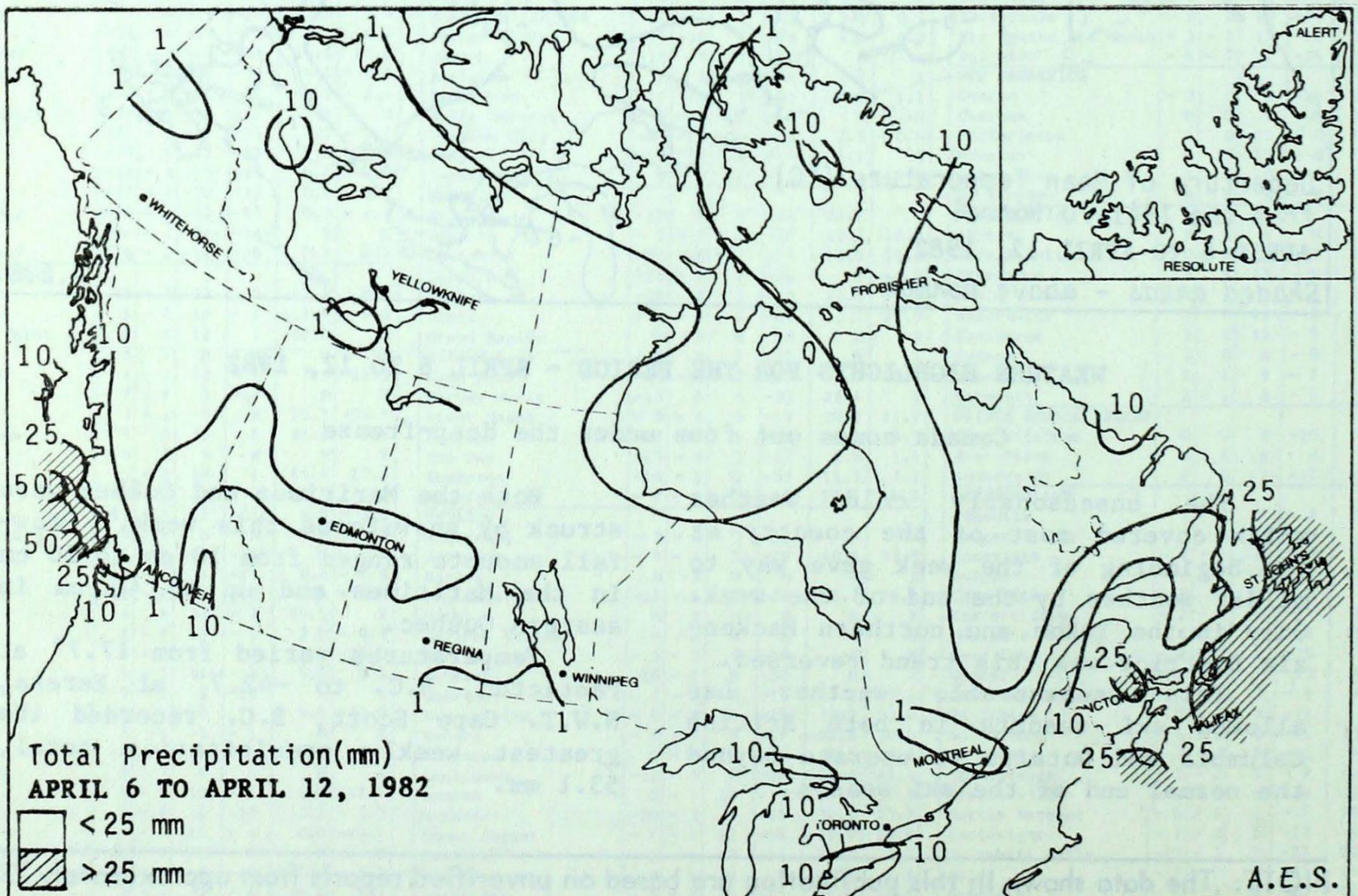
PRAIRIE PROVINCES

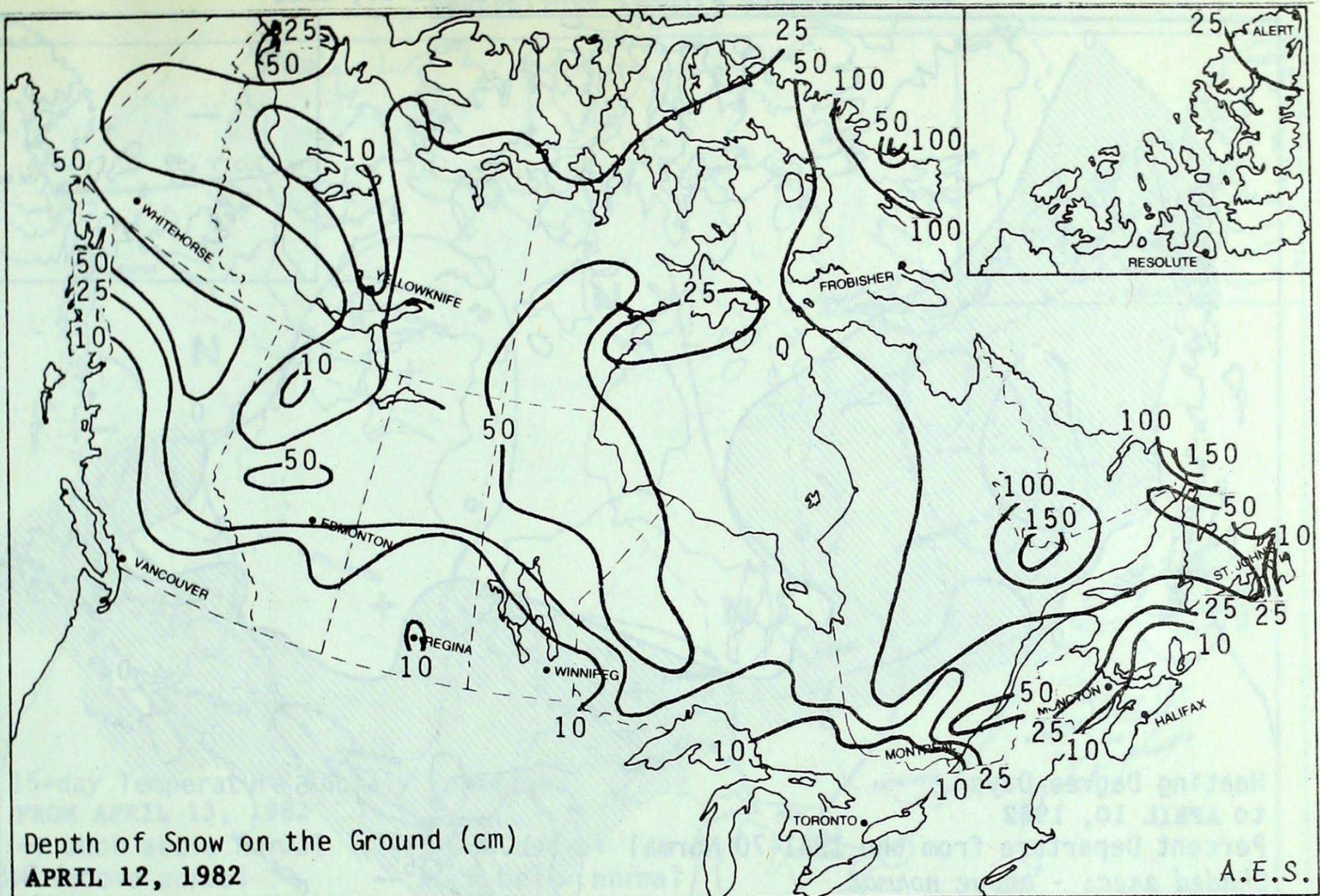
Cool temperatures at the beginning of the week gave way to warmer weather by week's end. Many daily low temperature records were established in northern and west-central Alberta at the start of the week.

There are reports that wildlife populations, especially Moose and Deer, are suffering badly from the winter. The next couple of weeks will be crucial for these species.

ONTARIO

Winter refused to leave Ontario as record cold and snow continued to dominate the weather. Windsor recorded





their heaviest one-day April snowfall on record when 15 cm fell on April 6th. Toronto recorded their lowest April maximum temperature in 143 years of measurement as the mercury rose to only  $-5.5^{\circ}$  on April 6th. In the north the snow cover remained deep and increased in some locales. Pickle Lake ended the week with 95 cm still on the ground.

The combined snow and cold kept many ski areas open resulting in rare April skiing in south-central Ontario.

#### QUEBEC

Winter-like cold marked the beginning of the week. This cold weather set 27 daily low temperature records between the 6th and 8th and, as well, set 2 monthly low maximum records ( $-8^{\circ}$  at Roberval and  $-7^{\circ}$  at Sainte-Agathe) and 2 monthly low minimum records ( $-27^{\circ}$  at Roberval and  $-14^{\circ}\text{C}$  at Chibougamau).

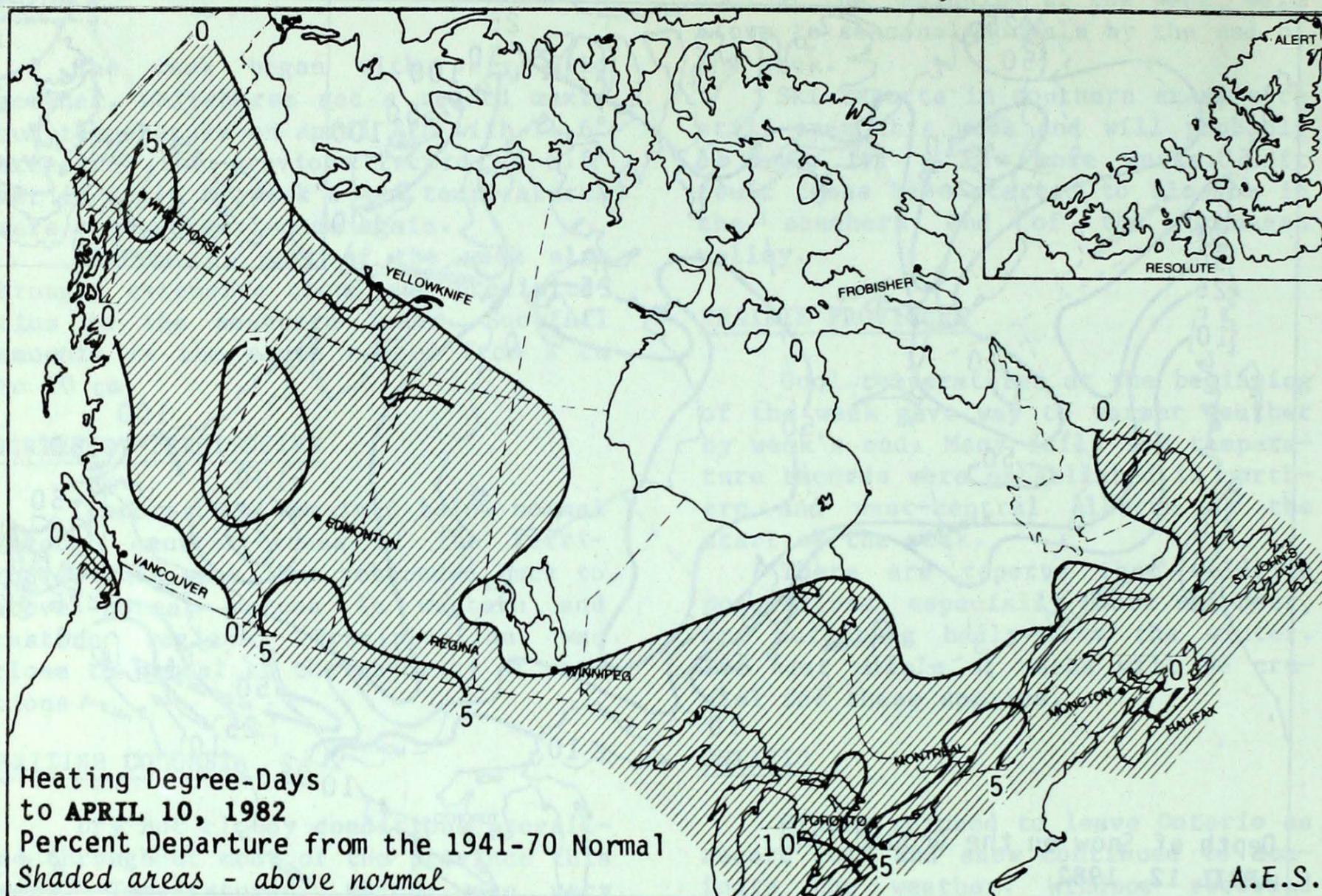
A violent snow storm crossed the province and according to "La Presse" slippery roads caused several accidents in the Sherbrooke-Richmond and Thetford Mines areas. The storm was strongest in the lower St. Lawrence and Gaspé regions where close to 40 cm of snow fell.

#### ATLANTIC PROVINCES

A snowstorm skirted the coast of Nova Scotia on April 7th and brought 10 cm to 20 cm of snow to many areas of the Maritimes. Fredericton measured 23 cm of snowfall on the 7th. Some roads were closed and airline flights cancelled as a result of the storm.

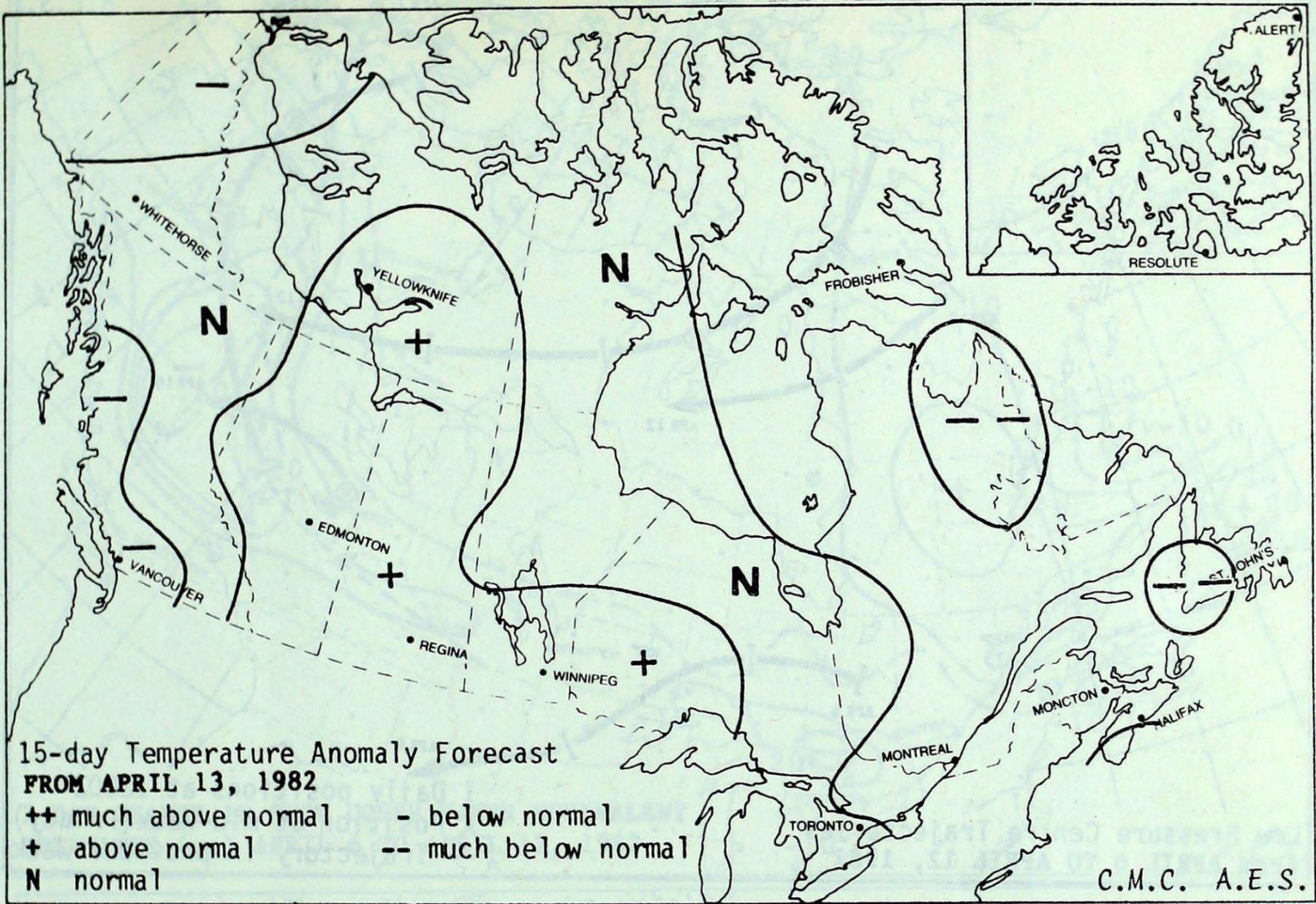
The Zapata Scotian drilling platform is still in harbour waiting for good weather in order to take up station just off Sable Island.

## HEATING DEGREE-DAY SUMMARY TO APRIL 10, 1982

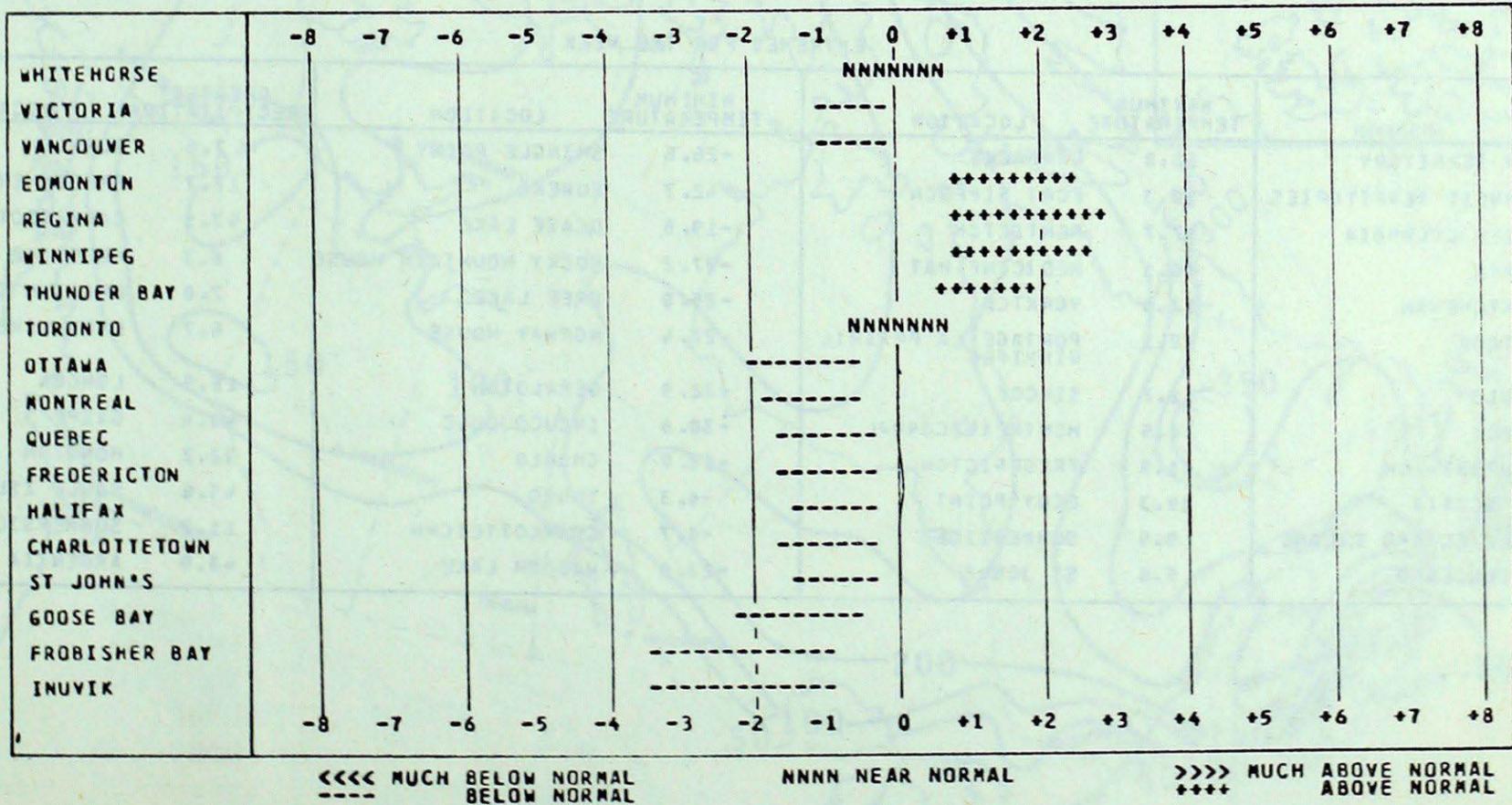


STATION	MONTHLY CUMULATIVE TOTAL	MONTHLY DIFF. FROM 1941-70 NORMAL	SEASONAL TOTAL	SEASONAL DIFF. FROM 1941-70 NORMAL	SEASONAL PERCENT OF NORMAL
Resolute	461.0	19.0	10017.0	-304.0	97
Inuvik	311.5	-51.5	8465.0	-278.0	97
Whitehorse	244.0	38.0	6491.0	458.0	108
Vancouver	112.0	12.0	2558.0	-18.0	99
Edmonton Mun	260.0	91.0	5090.0	84.0	102
Calgary	264.0	94.0	4922.0	265.0	106
Regina	276.5	94.5	5555.5	225.5	104
Winnipeg	246.5	65.5	5340.0	23.0	100
Thunder Bay	235.0	52.0	5214.0	186.0	104
Windsor	184.0	60.0	3601.5	352.5	111
Toronto	194.5	53.5	3998.0	358.0	110
Ottawa	217.5	67.5	4442.5	215.5	105
Montreal	211.5	60.5	4373.5	326.5	108
Quebec	235.5	60.5	4773.0	267.0	106
Saint John, N.B.	199.0	33.0	4221.5	152.5	104
Halifax	178.5	23.5	3569.0	121.0	104
Charlottetown	192.5	18.5	3991.0	82.0	102
St. John's, Nfld.	183.5	-0.5	3923.5	58.5	102

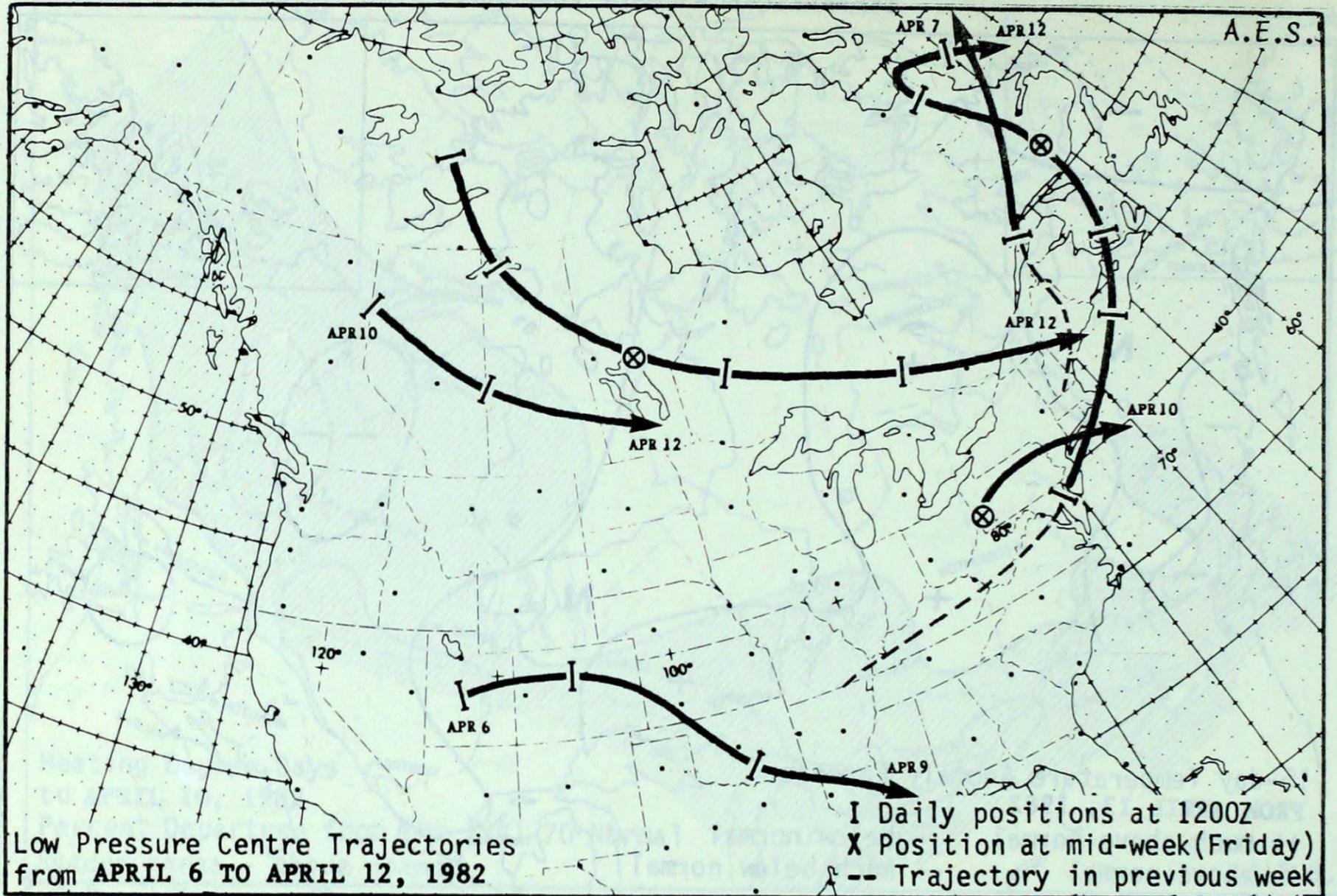
TEMPERATURE ANOMALY FORECAST



TEMPERATURE ANOMALY FORECAST FOR APR 13 1982 TO APR 27 1982



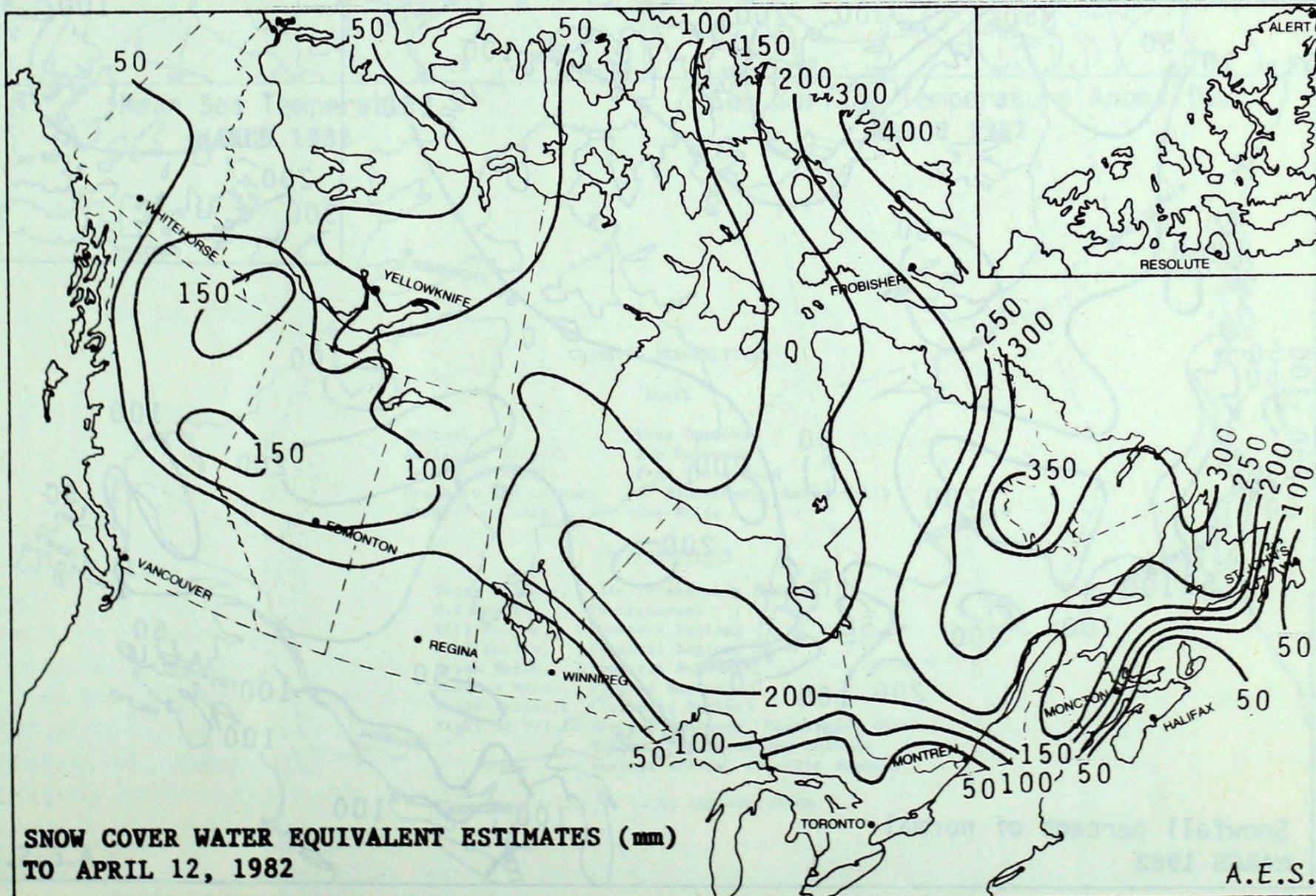
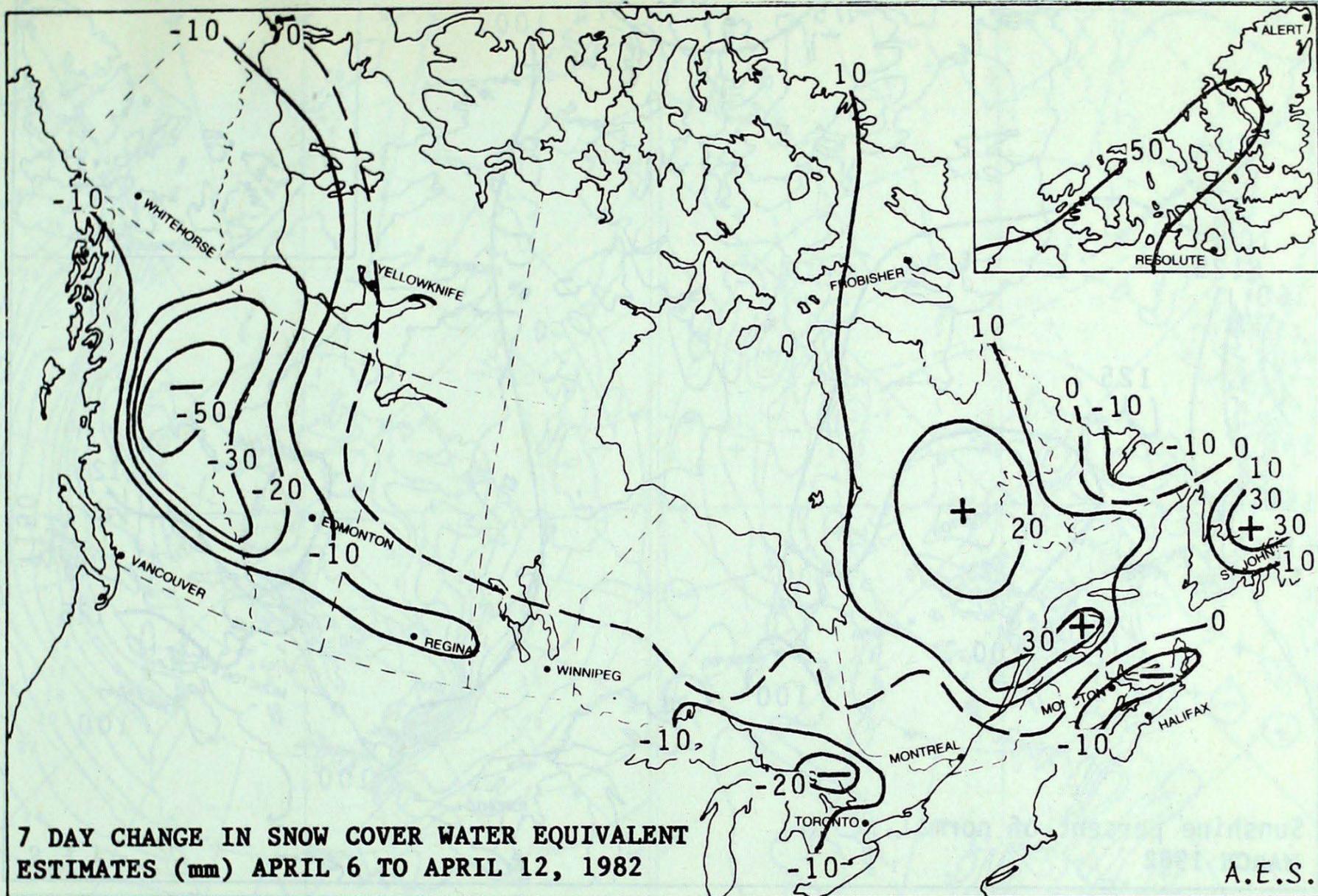
## LOW PRESSURE CENTRE TRAJECTORIES



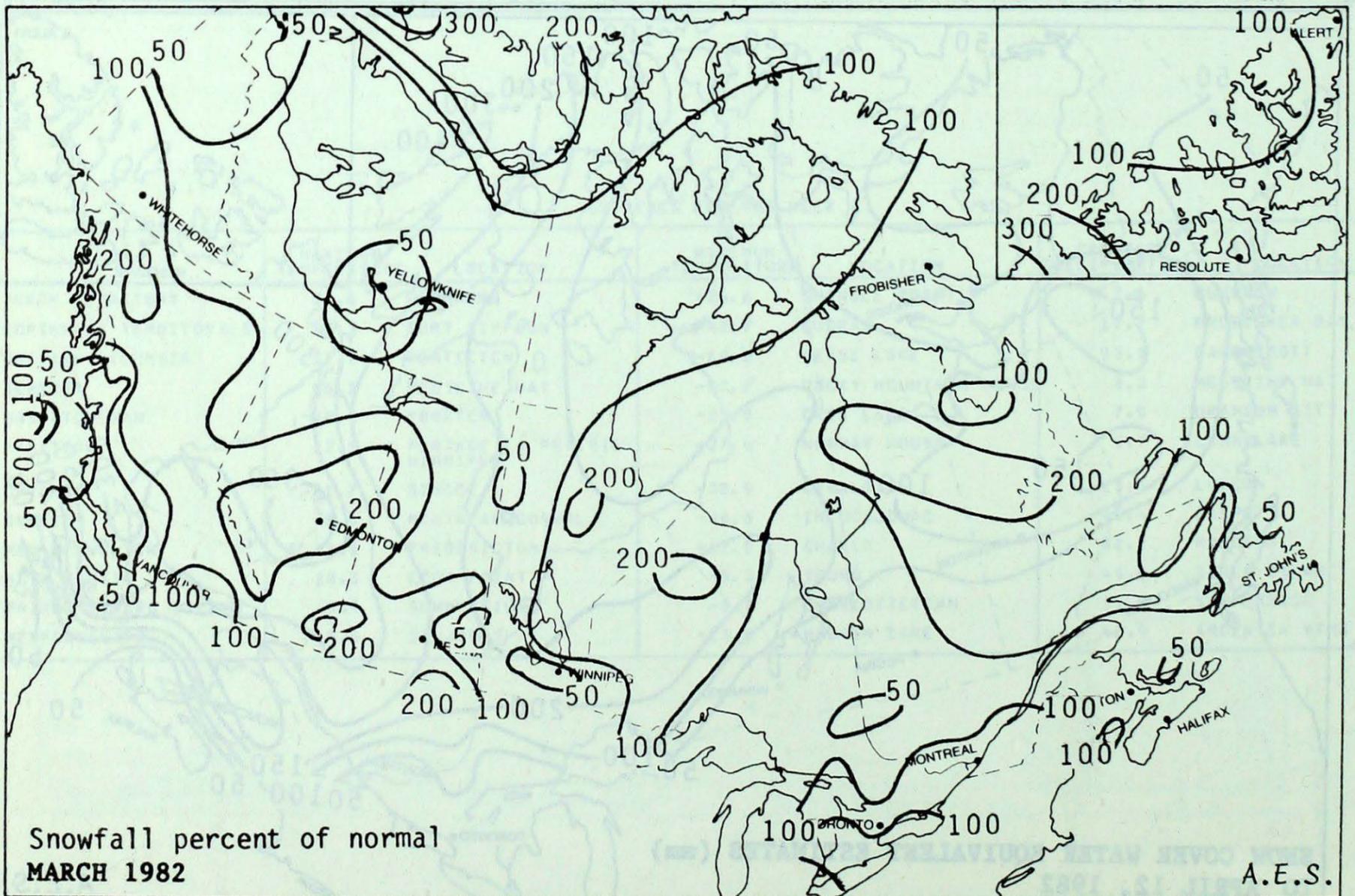
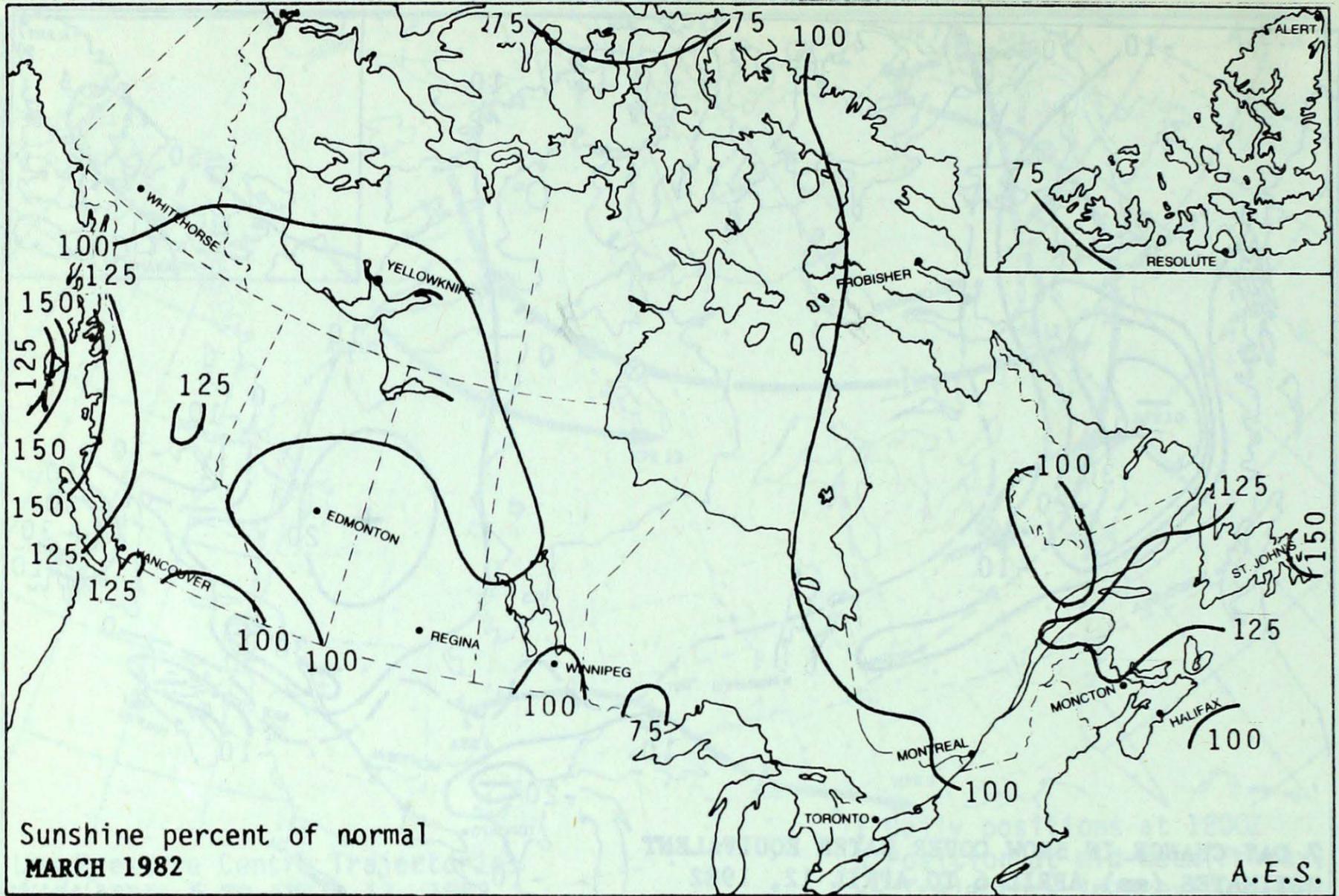
## EXTREMES FOR THE WEEK

	MAXIMUM TEMPERATURE	LOCATION	MINIMUM TEMPERATURE	LOCATION	GREATEST PRECIPITATION	LOCATION
YUKON TERRITORY	13.0	CARMACKS	-26.6	SHINGLE POINT	7.6	BURWASH
NORTHWEST TERRITORIES	10.3	FORT SIMPSON	-42.7	EUREKA	17.7	FROBISHER BAY
BRITISH COLUMBIA	17.7	PENTICTON	-19.6	DEASE LAKE	53.1	CAPE SCOTT
ALBERTA	16.1	MEDICINE HAT	-27.2	ROCKY MOUNTAIN HOUSE	6.3	MEDICINE HAT
SASKATCHEWAN	12.8	YORKTON	-25.0	CREE LAKE	7.0	URANIUM CITY
MANITCBA	12.1	PORTAGE LA PRAIRIE WINNIFEG	-27.4	NORWAY HOUSE	6.7	LYNN LAKE
ONTARIO	11.7	SIMCOE	-32.9	GERALDTON	15.5	LONDON
QUEBEC	8.5	MONTREAL/CORVAL	-30.8	INCUCOJOUAC	40.4	GASPE
NEW BRUNSWICK	11.0	FREDERICTON	-12.0	CHARLO	32.2	MONCTON
NOVA SCOTIA	10.3	ECOY POINT	-8.3	TRURO	49.6	SABLE ISLAND
PRINCE EDWARD ISLAND	9.5	SUMMERSIDE	-8.7	CHARLOTTETOWN	11.2	SUMMERSIDE
NEWFOUNDLAND	5.6	ST JOHN'S	-23.0	WABUSH LAKE	43.9	ARGENTIA VTMS

### SNOW COVER WATER EQUIVALENT

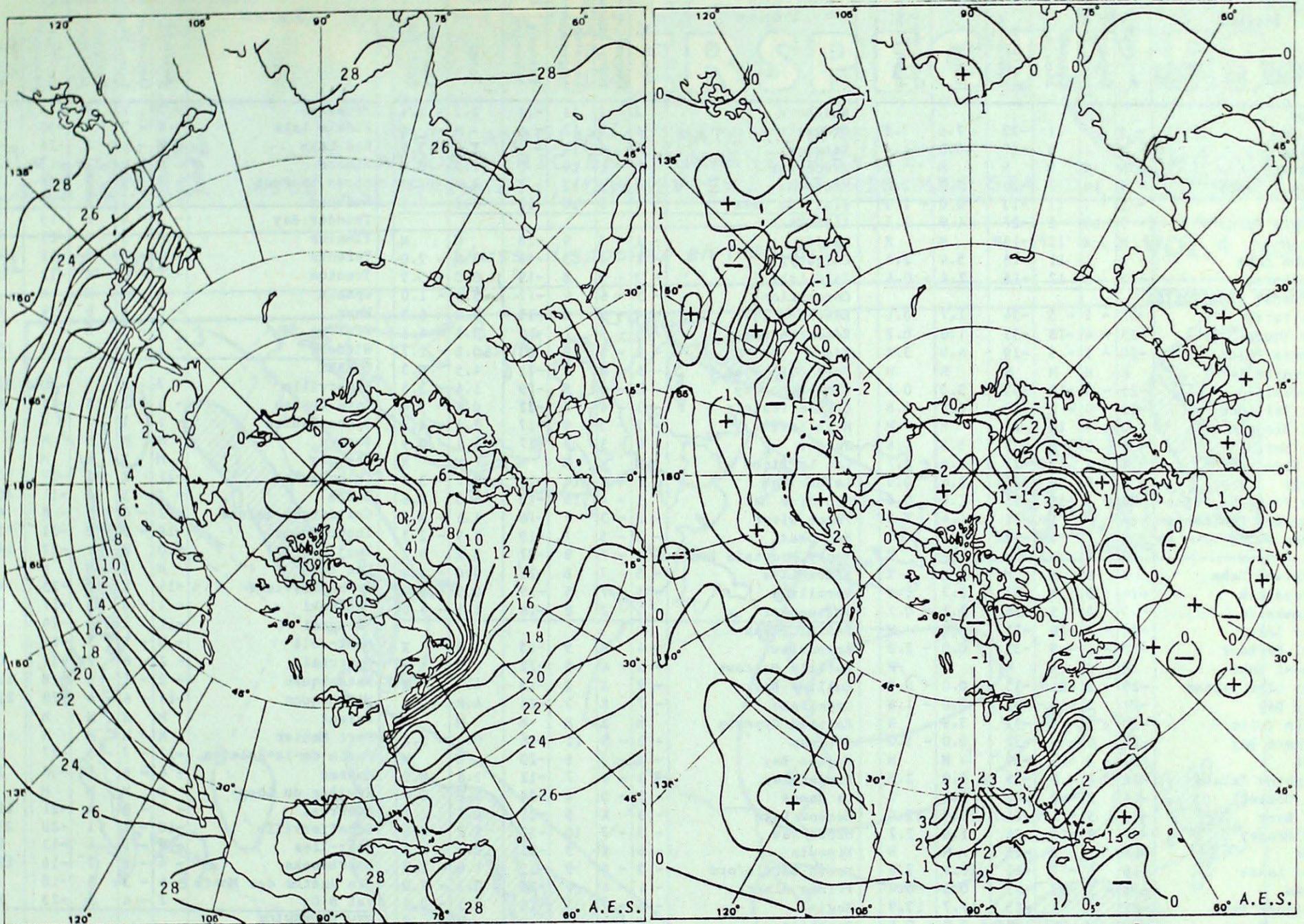


SEASONAL MAPS





## SEA SURFACE TEMPERATURE



Mean Sea Temperature  
MARCH 1982

Sea Surface Temperature Anomalies  
MARCH 1982

## CLIMATIC PERSPECTIVES

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TEMPERATURE AND PRECIPITATION DATA FOR THE WEEK ENDING 0600 G.M.T., APRIL 13, 1982

Station	Temperature (°C)				Precip. (mm)	
	Average	Departure from Normal	Extreme Maximum	Extreme Minimum	Total	Departure from Normal
<b>YUKON</b>						
Burwash	-5	-1	11	-23	7.6	3.8
Dawson	-3	1	9	-17	0.0	-1.9
Faro	M	X	M	M	M	X
Komakuk Beach	-9	10	7	-26	3.0	2.8
Mayo A	-2	1	11	-13	0.0	-1.0
Shingle Point	-9	10	6	-27	1.9	-1.5
Teslin	M	X	12P	-16P	M	X
Watson Lake	-1	1	11	-18	5.4	2.4
Whitehorse	-2	0	12	-16	2.4	-0.4
<b>NORTHWEST TERRITORIES</b>						
Cape Parry	-23	-2	-5	-34	1.7	0.1
Cape Young	-26	-4	-18	-35	1.0	0.2
Clinton Point	-20	-1	-6	-29	4.0	3.4
Contwoyto Lake	M	M	M	M	M	M
Coppermine	-25	-4	-12	-35	3.0	0.4
Fort Reliance	-13	0	-2	-28	6.8	4.6
Fort Simpson	0	4	10	-15	M	M
Fort Smith	-4	2	6	-23	5.5	1.6
Hay River	-4	4	8	-21	0.4	-2.7
Inuvik	-9	8	8	-28	2.4	0.3
Lady Franklin Point	-26	-3	-19	-35	1.0	0.6
Nicholson Peninsula	-18	2	-1	-31	1.4	1.3
Norman Wells	-2	7	5	-12	13.1	10.1
Port Radium	M	X	M	M	M	X
Robertson Lake	M	X	M	M	M	X
Tuktoyaktuk	-14	5	4	-33	2.7	1.6
Yellowknife	-7	4	5	-26	2.6	-0.1
Baker Lake	-24	-3	-16	-31	M	M
Coral Harbour	-20	-1	-9	-35	0.0	-2.5
Ennadai Lake	M	M	M	M	M	M
Jenny Lind Island	-29	-3	-21	-35	0.0	-0.8
Pelly Bay	-22	3	-13	-31	0.0	-1.6
Rankin Inlet	-20	X	-8	-32	3.9	X
Shepherd Bay	-26	0	-15	-32	0.0	-1.0
Alert	-31	-3	-23	-39	M	M
Broughton Island	-16	2	-8	-25	5.0	2.8
Cape Dorset	-14	X	-2	-22	3.4	X
Cape Dyer	-12	5	-1	-21	16.9	12.0
Cape Hooper	-17	2	-10	-24	2.6	-2.2
Clyde	-18	2	-9	-26	M	M
Dewar Lakes	-16	5	-9	-23	10.4	7.8
Eureka	-36	-5	-23	-43	0.0	-0.4
Probiasher Bay	-11	7	1	-25	17.7	13.9
Gladman Point	M	M	-19	-33P	0.0	-0.4
Hall Beach	-20	4	-5	-33	5.8	4.0
Longstaff Bluff	-16	5	-7	-28	13.6	12.1
Mackay Inlet	-20	4	-10	-30	2.0	0.7
Pond Inlet	-23	X	-11	-34	5.8	X
Resolute	-23	3	-13	-35	M	M
Byron Bay	-29	-5	-23	-35	0.0	-0.6
Cambridge Bay	-29	-5	-24	-34	0.0	-1.8
Mould Bay	-31	-5	-26	-37	M	M
Sachs Harbour	M	M	-24P	-30P	M	M
<b>BRITISH COLUMBIA</b>						
Abbotsford	7	-1	15	-2	18.2	-7.1
Alert Bay	5	-2	12	-1	24.8	6.7
Amphitrite Point	7	X	13	1	51.5	X
Blue River	M	X	M	M	M	X
Bull Harbour	M	M	13	-5P	27.9	2.4
Burns Lake	-1	X	12	-17	M	X
Cape Scott	6	-1	13	2	53.1	4.3
Cape St James	7	1	14	1	23.7	1.8
Clinton	M	X	M	M	M	X
Comox	6	-1	14	-1	36.3	24.8
Cranbrook	4	-2	14	-9	7.5	3.4
Dense Lake	-1	0	9	-20	6.6	3.5
Estevan Point	M	M	M	M	M	M
Ethelda Bay	5	X	13	-3	M	X
Fort Nelson	1	1	11	-17	3.0	-2.1
Fort St John	-1	-2	8	-16	0.2	-4.3
Hope	7	X	15	-2	29.9	X
Kamloops	6	-2	18	-4	0.0	-1.5
Langara	5	0	10	1	17.0	-10.7
Lytton	7	-2	16	-2	4.3	-0.5
Mackenzie	-1	X	10	-18	2.2	X
McInnes Island	7	0	13	2	20.8	-18.7
Nanaimo A	6	X	14	-2	M	X
Penticton	7	-1	18	-5	0.0	-4.5
Port Alberni	M	X	M	M	M	X
Port Hardy	5	-1	13	-2	27.8	5.1
Prince George	1	-2	10	-10	1.0	-6.5
Prince Rupert	4	0	12	-5	17.2	-30.8
Puntzi Mountain	M	X	M	M	M	X
Queanel	2	-2	11	-8	0.0	-6.2
Revelstoke	3	-2	11	-6	23.6	12.5
Sandspit	5	0	10	-2	8.3	-7.9

Station	Temperature (°C)				Precip. (mm)	
	Average	Departure from Normal	Extreme Maximum	Extreme Minimum	Total	Departure from Normal
Smithers	2	-1	11	-11	2.2	-2.4
Stewart	4	X	12	-6	M	X
Terrace	4	0	14	-2	2.4	-13.9
Vancouver	7	-1	14	0	14.5	0.8
Victoria	7	-1	13	-1	4.8	-4.2
Williams Lake	1	-3	10	-12	0.2	-7.6
<b>ALBERTA</b>						
Banff	-1	-3	9	-18	M	M
Calgary	-2	-4	13	-19	3.8	-2.0
Cold Lake	-3	-5	8	-19	0.0	-5.9
Coronation	-5	-6	6	-17	3.5	-1.0
Edmonton Intl	-4	-5	6	-18	0.0	-6.5
Edmonton Namao	-3	-5	7	-15	0.3	-4.1
Edson	-2	-5	9	-23	0.8	-2.7
Fort Chipewyan	-6	M	4	-21	4.5	0.3
Fort McMurray	-3	-3	5	-19	1.4	-3.5
Grande Prairie	-3	-4	7	-22	0.8	-3.8
High Level	-2	-3	9	-17	2.4	-4.9
Jasper	0	-3	9	-17	4.4	-0.9
Lac La Biche	M	X	M	M	M	X
Lethbridge	1	-4	14	-10	2.7	-3.7
Medicine Hat	1	-4	16	-13	6.3	2.6
Peace River	-3	-3	7	-16	1.6	-3.6
Red Deer	-3	-5	7	-19	1.9	-2.3
Rocky Mountain House	-5	-7	9	-27	6.2	0.2
Slave Lake	-5	-7	8	-22	4.0	-3.0
Vermilion	-5	-7	5	-19	0.5	-3.2
Whitecourt	-1	-2	8	-18	1.1	-5.0
<b>SASKATCHEWAN</b>						
Broadview	-4	X	9	-15	1.9	X
Buffalo Narrows	-3	-4	5	-22	M	M
Collins Bay	-7	X	2	-19	4.4	X
Cree Lake	-7	X	3	-25	4.8	X
Eastend Cypress	M	X	M	M	M	X
Estevan	-3	-5	11	-16	0.0	-5.8
Hudson Bay	-4	-3	6	-20	M	M
Kindersley	-3	-6	7	-12	2.8	0.2
La Ronge	-5	-5	4	-24	5.0	0.4
Meadow Lake	-5	X	5	-21	0.7	X
Moose Jaw	-3	-7	10	-13	2.1	-0.6
Nipawin	-6	X	3	-21	0.6	X
North Battleford	-3	-4	9	-15	1.6	-2.3
Prince Albert	-4	-4	7	-20	0.3	-7.0
Regina	-5	-7	7	-16	3.1	-0.9
Rockglen	M	X	M	M	M	X
Saskatoon	-2	-4	10	-11	0.6	-3.5
Swift Current	-1	-3	11	-9	M	M
Uranium City	-7	-1	3	-22	7.0	2.8
Wynyard	-3	X	11	-10	2.4	X
Yorkton	-2	-2	13	-13	3.3	-0.5
<b>MANITOBA</b>						
Bissett	-4	X	9	-24	5.4	X
Brandon	-2	-3	11	-17	3.8	-0.2
Churchill	-14	0	-3	-25	0.8	-4.4
Dauphin	-5	-5	8	-21	1.8	-3.9
Gillam	-9	X	2	-22	3.2	X
Gimli	-2	-3	8	-17	2.2	-3.3
Grand Rapids	M	X	M	M	M	X
Island Lake	-6	X	3	-26	M	X
Lynn Lake	-7	-3	4	-21	6.7	1.5
Norway House	-7	X	6	-27	5.6	X
Pilot Mound	-1	-3	11	-13	0.4	-5.7
Portage	-1	-3	12	-16	0.0	-5.2
The Pas	-6	-4	3	-24	4.9	-1.1
Thompson	-7	-2	4	-27	6.0	0.7
Winnipeg	-1	-3	12	-14	1.8	-4.5
<b>ONTARIO</b>						
Armstrong	-6	-4	6	-31	M	M
Atikokan	-5	-6	6	-29	4.8	-3.6
Barrie	M	X	M	M	M	X
Big Trout Lake	-9	-2	5	-28	3.1	-2.9
Britt	M	X	M	M	M	X
Caribou Island	M	X	M	M	M	X
Earlton	-5	-5	7	-20	M	M
Geraldton	-11	-7	5	-33	M	M
Gore Bay	-3	-5	5	-14	10.3	-3.9
Kapuskasing	-6	-4	7	-25	2.5	-6.7
Kenora	-3	-4	9	-17	5.7	-3.8
Kingston	-2	-4	7	-13	5.1	-3.2
Lansdowne	-7	-2	5	-26	5.4	-2.7
London	-3	-8	6	-12	15.5	2.2
Moosonee	-12	-7	6	-30	M	M
Mount Forest	-4	-7	5	-13	2.7	-10.1
Muskoka	-3	-6	7	-15	1.8	-9.9
Nagagami	M	X	M	M	M	X
North Bay	-5	-6	6	-19	5.9	-6.6
Ottawa	-2	-6	10	-15	2.0	-8.2

Station	Temperature (°C)				Precip. (mm)	
	Average	Departure from Normal	Extreme Maximum	Extreme Minimum	Total	Departure from Normal
Petawawa	-3	X	9	-15	1.6	X
Pickle Lake	-6	-3	4	-30	9.2	0.1
Red Lake	-6	-6	8	-28	5.1	-2.1
Simcoe	M	M	12P	-13P	17.2	3.0
Sioux Lookout	-4	-4	7	-26	1.3	-8.9
Sudbury	-4	-5	6	-19	5.4	-2.6
Thunder Bay	-3	-4	6	-19	3.8	-7.8
Timmins	-6	-5	7	-23	5.8	-1.7
Toronto	-1	-5	9	-11	4.7	-8.9
Trenton	-1	-6	8	-12	2.5	-10.7
Upsala	M	X	M	M	M	X
Wawa	-6	X	6	-24	6.6	X
Warton	-3	-5	8	-12	2.2	-11.6
Windsor	-1	-7	11	-10	10.2	-1.0
<b>QUÉBEC</b>						
Bagotville	-7	-8	5	-20	32.4	23.4
Baie Comeau	-4	-2	5	-15	8.6	-2.4
Blanc Sablon	-1	1	2	-6	M	M
Border	M	M	M	M	M	M
Chevery	M	X	M	M	M	X
Chibougamau	-11	X	3	-27	10.0	X
Gaspé	-2	X	6	-11	40.4	X
Grindstone Island	-2	-2	5	-8	4.8	-11.9
Inoucdjouac	-19	-5	-8	-31	1.0	-0.9
Kuujuuaq	-10	2	2	-22	14.0	10.0
Lac Eon	M	X	M	M	M	X
Grande Riviere	-14	X	-4	-25	4.8	X
Maniwaki	-4	-6	8	-17	0.6	-9.1
Matagami	-11	X	4	-26	M	X
Mont-Joli	-5	-5	5	-14	M	X
Montréal	-2	-6	9	-12	0.4	-14.0
Natashquan	-2	-1	5	-8	13.8	-3.0
Nitchequon	-14	-6	-4	-28	21.5	14.2
Parent	M	X	M	M	M	X
Port Menier	M	M	M	M	M	M
Poste-de-la-Baleine	-17	-7	-5	-27	2.0	-5.1
Québec	-4	-6	7	-18	3.3	-10.4
Rivière du Loup	M	M	M	M	M	M
Roberval	-7	-8	4	-21	11.3	3.3
Schefferville	-10	-1	1	-26	23.9	14.8
Sept-Iles	-2	-1	4	-13	9.4	-4.7
Sherbrooke	-4	-6	7	-16	19.1	5.3
Ste Agathe des Monts	-5	-3	5	-18	M	M
Val D'Or	-7	-6	5	-23	1.0	-8.4
<b>NEW BRUNSWICK</b>						
Charlo	-3	-2	7	-12	20.4	8.1
Chatham	-2	-4	9	-12	28.9	6.2
Fredericton	-2	-5	11	-10	21.5	7.5
Moncton	-2	-3	10	-10	32.2	7.2
Saint John	-2	-4	8	-10	20.7	-1.1
St Stephen	M	X	M	M	M	X
<b>NOVA SCOTIA</b>						
Amherst	M	X	M	M	M	X
Eddy Point	0	X	10	-5	32.3	X
Greenwood	3	-3	10	-7	19.9	1.0
Sable Island	1	-2	6	-3	49.6	28.7
Shearwater	0	-3	9	-6	13	