

CLIMATIC PERSPECTIVES

Canada

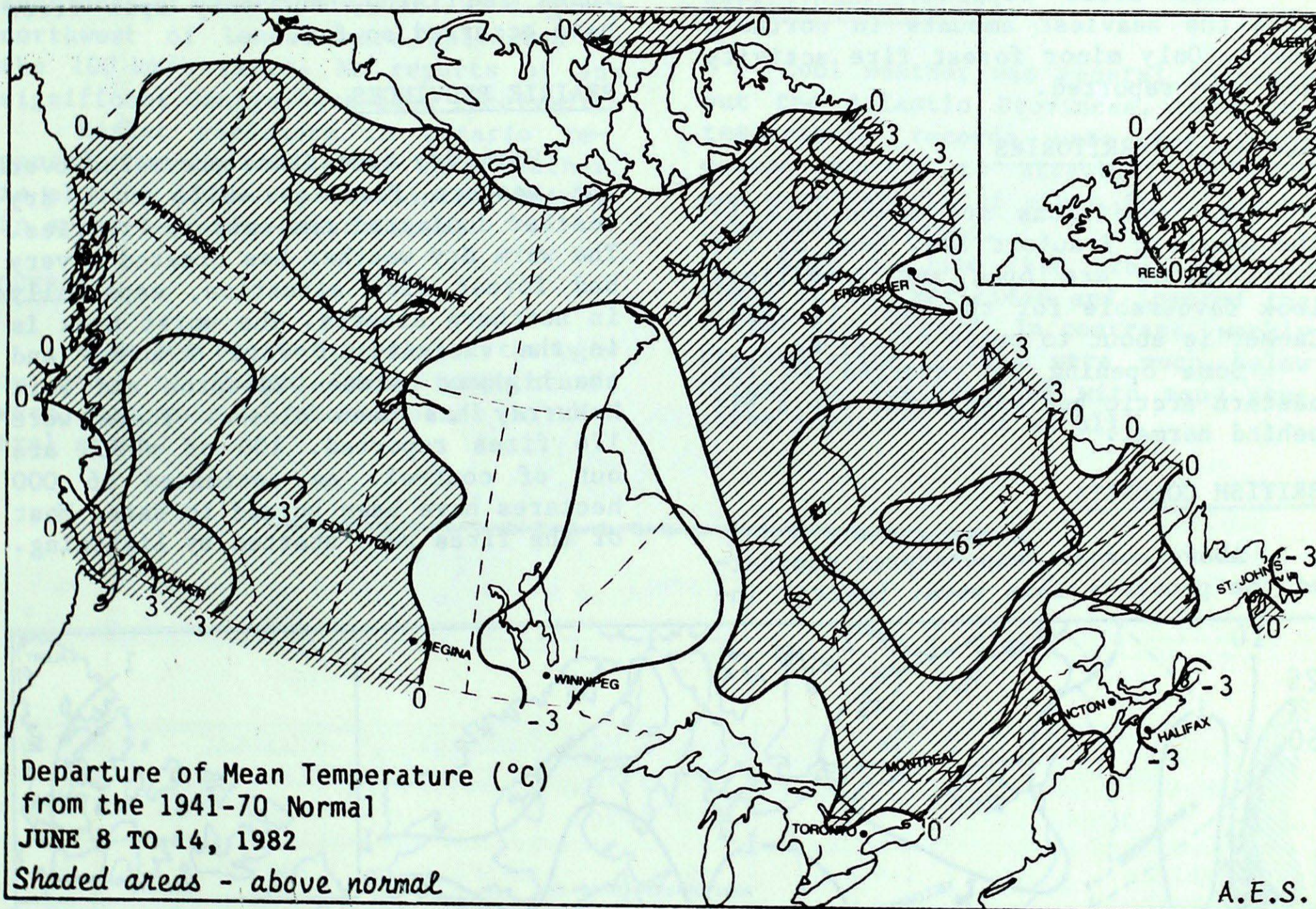
THE CANADIAN CLIMATE CENTRE,
ATMOSPHERIC ENVIRONMENT SERVICE,
4905 DUFFERIN ST., DOWNSVIEW, ONTARIO M3H 5T4



JUNE 18, 1982

(Aussi disponible en français)

VOL.4 NO.23



WEATHER HIGHLIGHTS FOR THE PERIOD - JUNE 8 TO 14, 1982

Forest Fires in Alberta

Warm dry weather in northern Alberta has created a very bad forest fire situation. Of 176 fires burning, 100 were out of control and more than 16 000 hectares have been burned over. The highway between Edmonton and Fort McMurray was closed. Most of the fires were started by lightning.

Severe weather struck southern Ontario. Hail measuring 1 cm to 2 cm fell in various cities and winds of up to 100 km/h were measured. No serious damage was reported.

The mercury varied from 36° at Lytton, British Columbia to -11° at Baker Lake, Northwest Territories.

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

YUKON

Warm weather began the week as temperatures reached the mid-twenties, some 3° to 5° above normal. By late in the week the mercury fell below 20°. As a result mean weekly temperatures were close to normal.

Most areas reported light rain with the heaviest amounts in northern Yukon. Only minor forest fire activity has been reported.

NORTHWEST TERRITORIES

Ice conditions are favourable in the southern Beaufort Sea. Most of the drill sites are open and conditions look favourable for the next 15 days. Canmar is about to begin drilling.

Some opening is reported in the eastern Arctic but conditions are a bit behind normal.

BRITISH COLUMBIA

Above normal temperatures dominated the province this week. Several in-

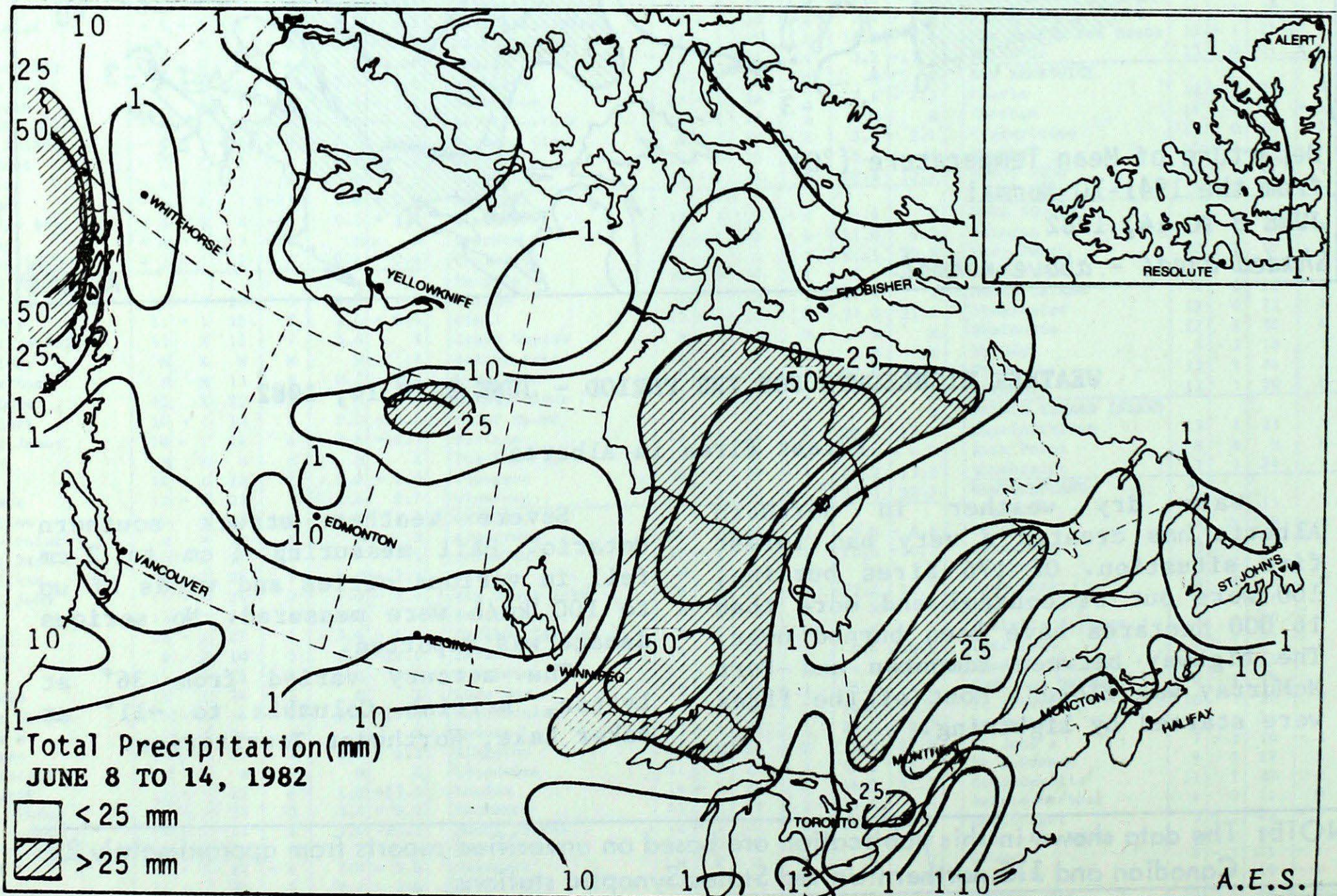
terior stations set maximum temperature records.

Many stations recorded much below normal precipitation amounts. So far Vancouver has measured only 10% of the normal June precipitation.

The spring runoff flood threat is over for this year. The forest fire index is rising, but only spot fires have occurred so far.

PRAIRIE PROVINCES

Warm dry conditions prevailed over the western Prairies while cool dry weather dominated the eastern Prairies. The warm dry weather has created a very bad forest fire situation, especially in northern Alberta. The worst area is in the vicinity of Fort McMurray and the highway between Edmonton and Fort McMurray has been closed. There were 176 fires reported, 100 of which are out of control. An estimated 16 000 hectares have been burned to date. Most of the fires were started by lightning.



ONTARIO

Severe weather hit southern Ontario June 13 as hail, gusting winds and heavy rains fell in various towns in the western Lake Ontario and Lake Simcoe regions. Hail measuring 1 cm to 2 cm in diameter fell in Kitchener, Barrie, London, Orangeville as well as sections of Metro Toronto. Wind gusts northwest of London were estimated in the 100 km/h range. No reports of any significant damage have been received.

Market gardeners in Ontario reported that the cool damp June weather is slowing down crop development mainly in areas near the Great Lakes.

QUEBEC

Warm dry weather prevailed throughout most of Québec. Mean temperatures were more than 6° above normal in central areas.

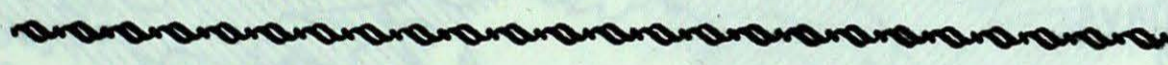
Weekly precipitation totals were below normal with the exception of the extreme northern areas. Inoucdjouac recorded 53.8 mm.

There was a rapid increase in forest fire acreage this week bringing the season total to 8015 hectares. The five year normal is 5884 hectares.

ATLANTIC PROVINCES

Cool weather was general throughout the Atlantic Provinces. Some low temperature records were set. This caused concern to strawberry growers and some reports of minor frost damage have been received.

Rain on June 14th broke the dry spell in the Maritimes and lowered the forest fire hazard. In contrast, weekly precipitation totals were much below normal in Newfoundland with many stations reporting none at all.



CLIMATIC PERSPECTIVES

Staff

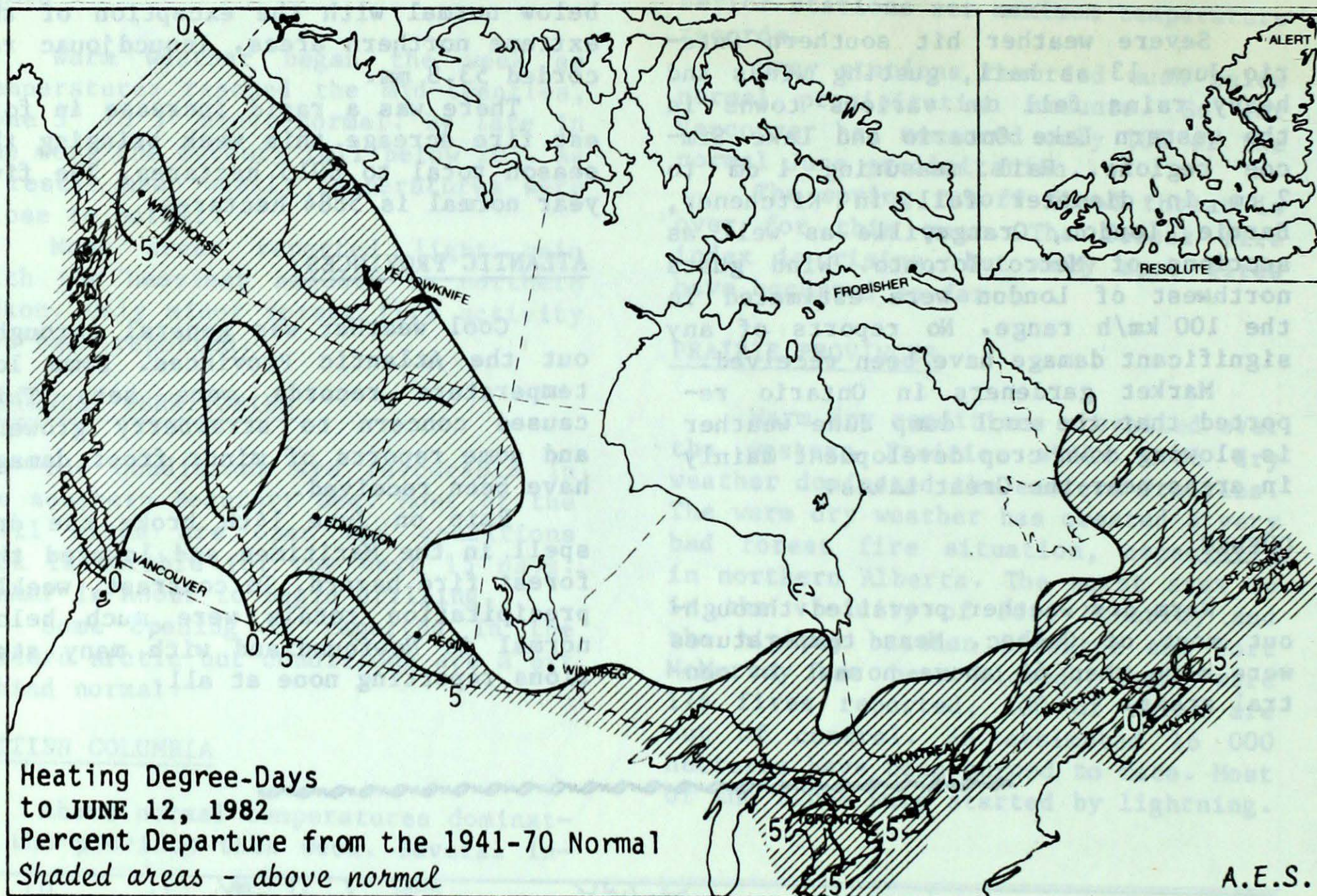
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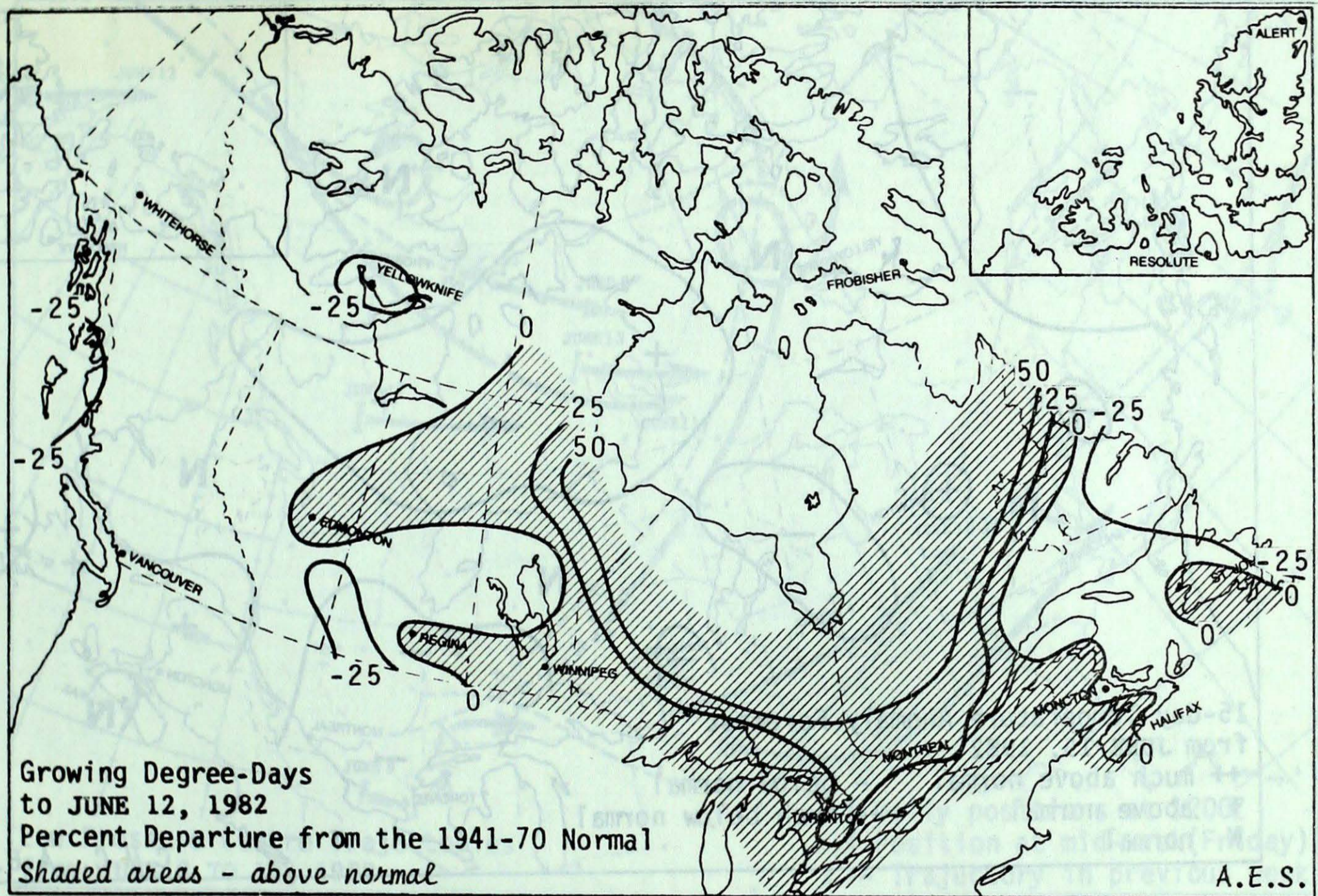
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HEATING DEGREE-DAY SUMMARY TO JUNE 12, 1982



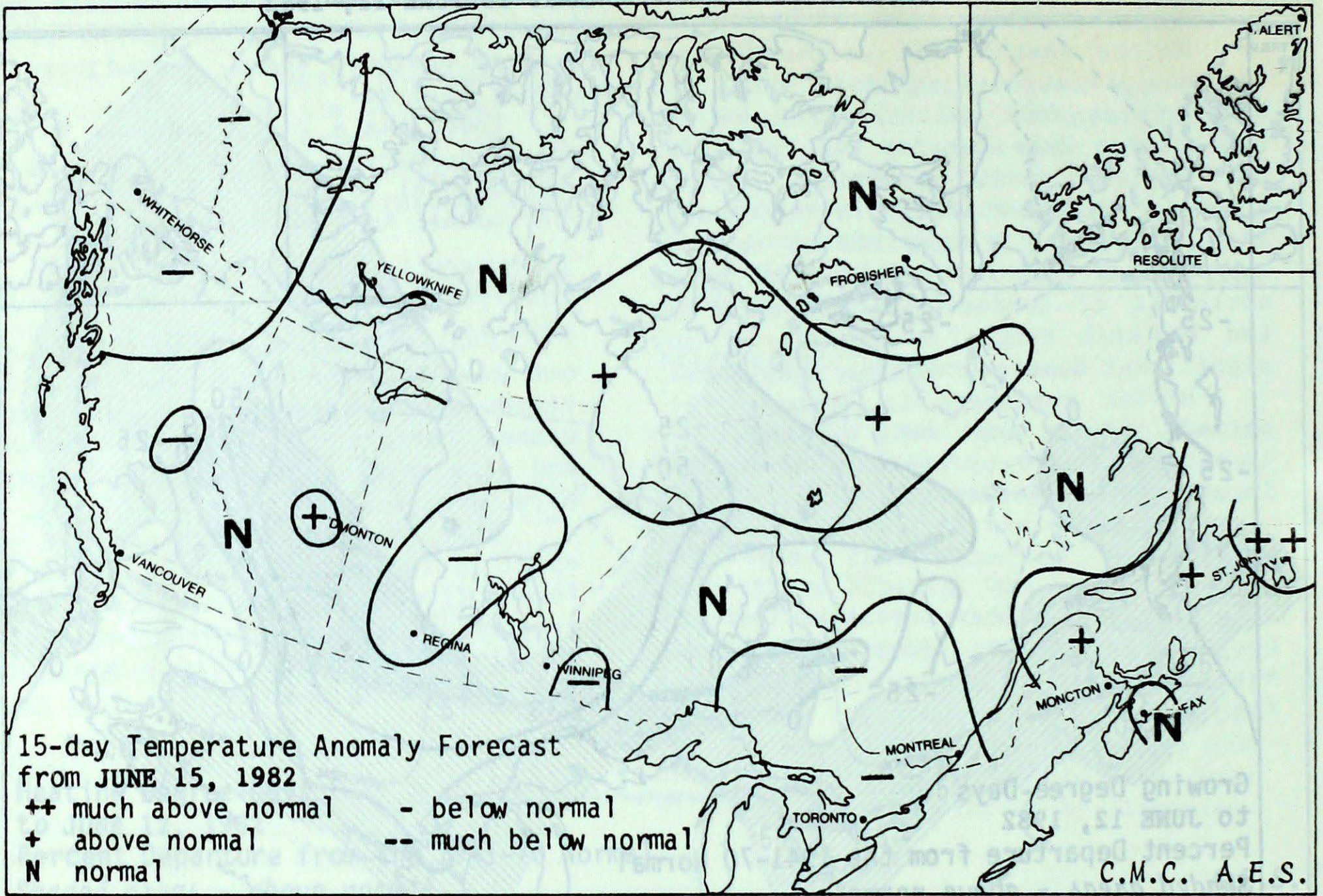
STATION	MONTHLY CUMULATIVE TOTAL	MONTHLY DIFF. FROM 1941-70 NORMAL	SEASONAL TOTAL	SEASONAL DIFF. FROM 1941-70 NORMAL	SEASONAL PERCENT OF NORMAL
Resolute	244.0	-6.0	11981.0	-269.0	98
Inuvik	128.0	6.0	9883.0	-169.0	98
Whitehorse	71.5	-12.5	7314.5	522.5	108
Vancouver	41.5	-0.5	2977.0	13.0	100
Edmonton Mun	44.0	-10.0	5574.5	40.5	101
Calgary	83.0	13.0	5542.0	277.0	105
Regina	53.5	5.5	6088.5	217.5	104
Winnipeg	69.0	31.0	5777.5	-73.5	99
Thunder Bay	75.5	0.5	5806.5	116.5	102
Windsor	17.0	-5.0	3832.0	249.0	107
Toronto	40.5	16.5	4362.0	304.0	107
Ottawa	24.0	-2.0	4768.5	113.5	102
Montreal	17.0	-5.0	4714.5	259.5	106
Quebec	26.5	-25.5	5260.5	204.5	104
Saint John, N.B.	51.5	-18.5	4832.5	126.5	103
Halifax	82.5	18.5	4197.5	143.5	104
Charlottetown	65.0	-2.0	4627.0	63.0	101
St. John's, Nfld.	140.5	27.5	4746.5	58.5	101

GROWING DEGREE-DAY SUMMARY TO JUNE 12, 1982

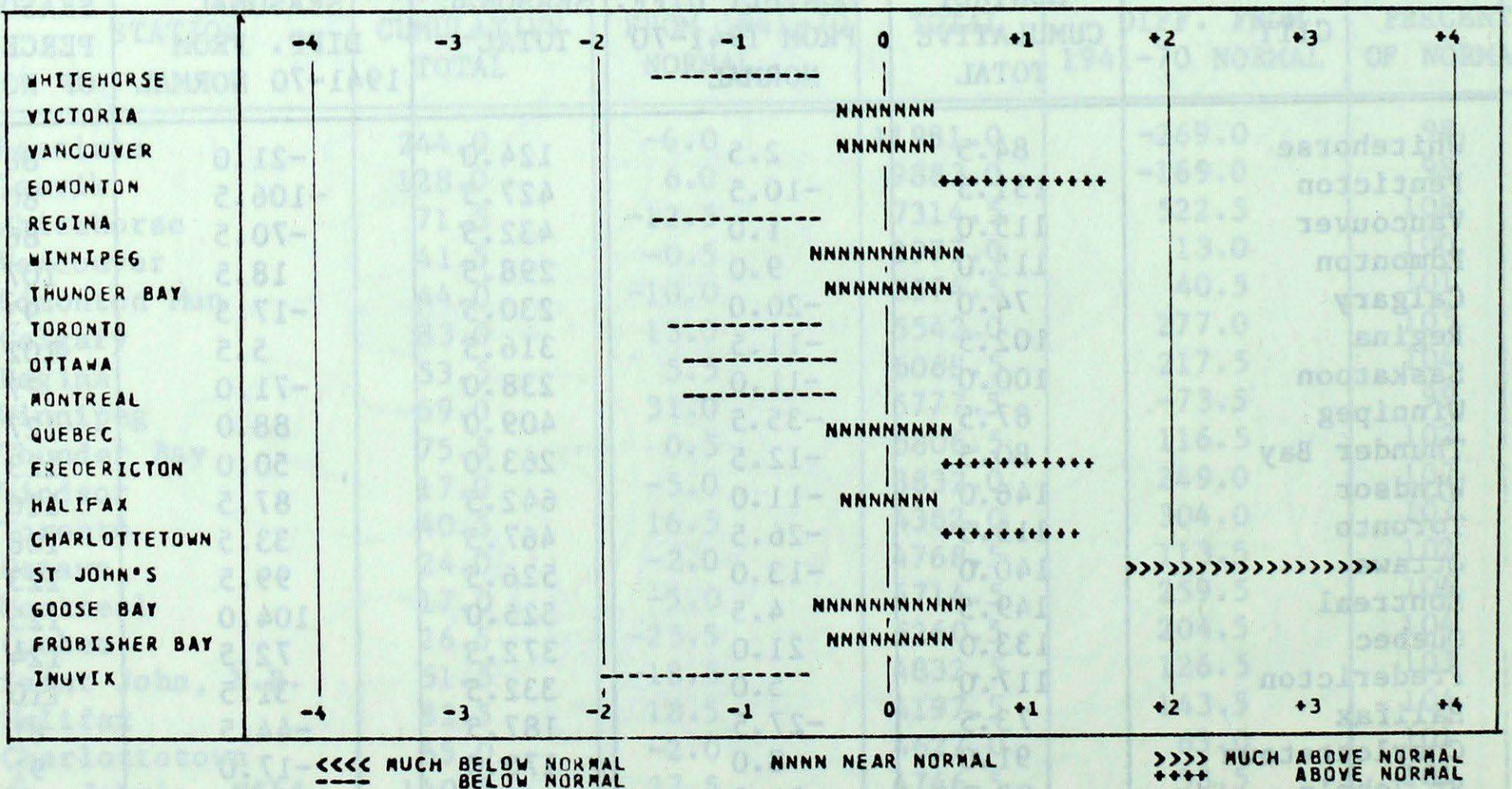


CITY	MONTHLY CUMULATIVE TOTAL	MONTHLY DIFF. FROM 1941-70 NORMAL	SEASONAL TOTAL	SEASONAL DIFF. FROM 1941-70 NORMAL	SEASONAL PERCENT OF NORMAL
Whitehorse	84.5	2.5	124.0	-21.0	86
Penticton	131.5	-10.5	427.5	-106.5	80
Vancouver	115.0	1.0	432.5	-70.5	86
Edmonton	115.0	9.0	298.5	18.5	107
Calgary	74.0	-20.0	230.5	-17.5	93
Regina	102.5	-11.5	316.5	5.5	102
Saskatoon	100.0	-11.0	238.0	-71.0	77
Winnipeg	87.5	-35.5	409.0	88.0	127
Thunder Bay	80.5	-12.5	263.0	50.0	123
Windsor	146.0	-11.0	642.5	87.5	116
Toronto	115.5	-26.5	467.5	33.5	108
Ottawa	140.0	-13.0	526.5	99.5	123
Montreal	149.5	4.5	525.0	104.0	125
Quebec	133.0	21.0	372.5	72.5	124
Fredericton	117.0	5.0	332.5	31.5	110
Halifax	73.5	-27.5	187.5	-44.5	81
Charlottetown	91.0	8.0	170.0	-17.0	91
St John's	23.5	-21.5	41.5	-30.5	58

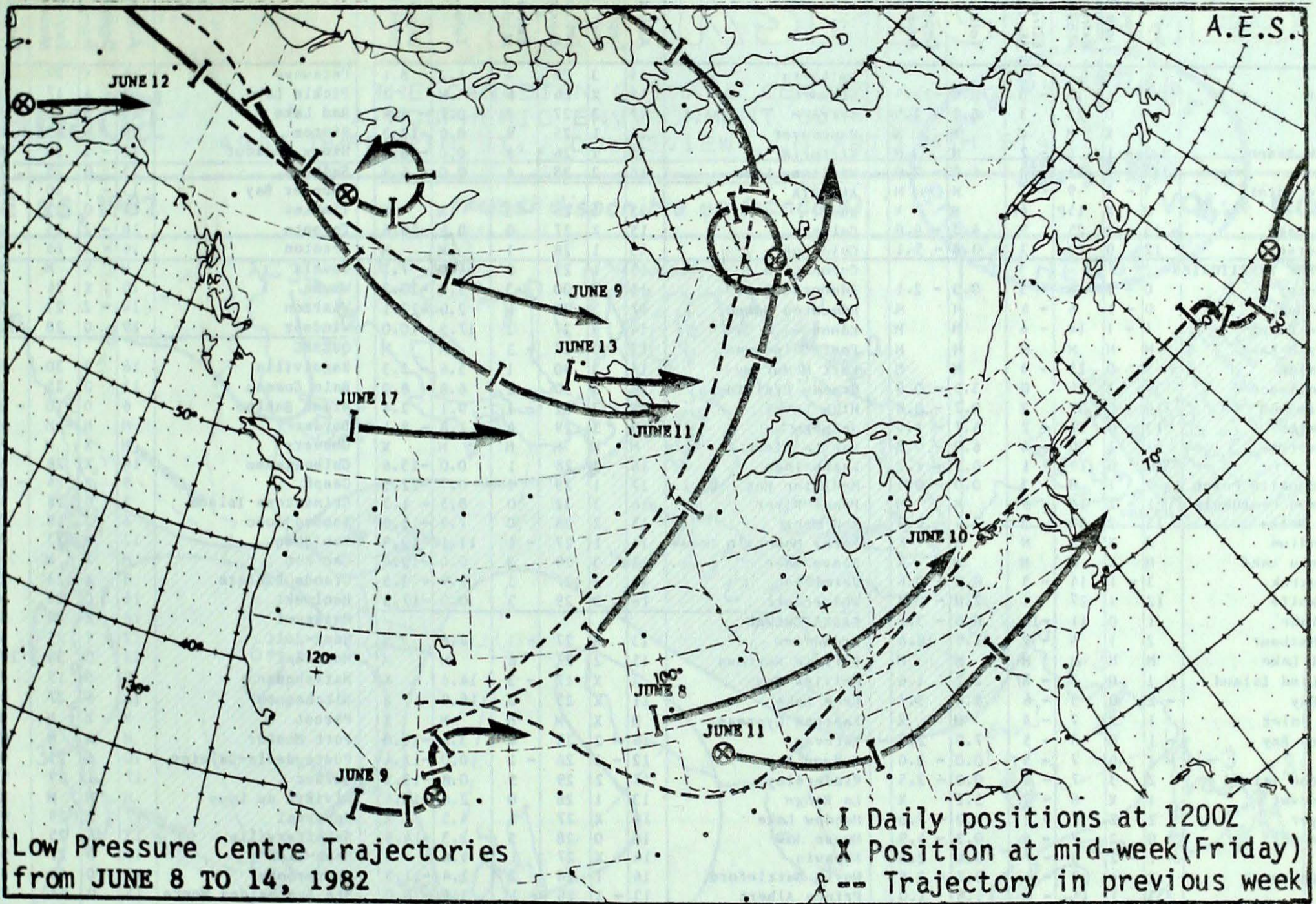
TEMPERATURE ANOMALY FORECAST



TEMPERATURE ANOMALY FORECAST FOR JUN 15 1982 TO JUN 29 1982



LOW PRESSURE CENTRE TRAJECTORIES



EXTREMES FOR THE WEEK

	MAXIMUM TEMPERATURE	LOCATION	MINIMUM TEMPERATURE	LOCATION	GREATEST PRECIPITATION	LOCATION
YUKON TERRITORY	25.0	WATSON LAKE	-2.5	BURWASH	6.5	DAWSON
NORTHWEST TERRITORIES	31.9	FORT SIMPSON	-11.2	BAKER LAKE	22.9	CORAL HARBOUR
BRITISH COLUMBIA	36.0	LYTTON	-0.2	CRANBROOK	16.2	FORT NELSON
ALBERTA	31.7	PEACE RIVER	-3.0	FORT CHIPEWYAN	17.9	EDSON
SASKATCHEWAN	28.6	KINDERSLEY	-2.6	COLLINS BAY	26.6	URANIUM CITY
MANITOBA	26.8	DAUPHIN	-2.4	CHURCHILL	23.6	CHURCHILL
ONTARIO	28.0	WINDSOR	-0.0	ARMSTRONG	62.7	BIG TROUT LAKE
QUEBEC	30.4	BAGOTVILLE	-3.4	KOARTAK	53.8	INOUCDJOUAC
NEW BRUNSWICK	29.6	CHARLO	3.4	MONCTON	16.4	FREDERICTON
NOVA SCOTIA	26.2	GREENWOOD	1.0	GREENWOOD	47.8	SHEARWATER
PRINCE EDWARD ISLAND	24.0	SUMMERSIDE	5.1	CHARLOTTETOWN	21.6	CHARLOTTETOWN
NEWFOUNDLAND	26.4	WABUSH LAKE	-3.4	HOPEDALE	30.8	WABUSH LAKE

TEMPERATURE AND PRECIPITATION DATA FOR THE WEEK ENDING 0600 G.M.T. JUNE 15, 1982

Station	Temperature (°C)				Precip. (mm)		Station	Temperature (°C)				Precip. (mm)		Station	Temperature (°C)				Precip. (mm)	
	Average	Departure from Normal	Extreme Maximum	Extreme Minimum	Total	Departure from Normal		Average	Departure from Normal	Extreme Maximum	Extreme Minimum	Total	Departure from Normal		Average	Departure from Normal	Extreme Maximum	Extreme Minimum	Total	Departure from Normal
YUKON							Smithers	15	3	27	4	1.2	- 8.1	Petawawa	16	X	27	6	7.0	
Burwash	9	1	19	- 3	0.0	-11.9	Stewart	15	X	26	6	M	X	Pickle Lake	9	- 4	17	3	26.2	6
Dawson	14	0	25	3	6.5	- 1.5	Terrace	17	3	27	7	0.7	- 6.4	Red Lake	11	- 3	18	3	12.8	-15
Faro	M	X	M	M	M	X	Vancouver	16	1	25	9	0.0	-12.3	Simcoe	M	M	25P	8P	0.0	-15
Komakuk Beach	2	- 1	6	- 2	M	M	Victoria	15	1	26	8	0.0	- 8.8	Sioux Lookout	12	- 2	20	6	54.6	31
Mayo A	14	1	25	2	4.0	- 2.0	Williams Lake	16	2	28	4	0.0	- 6.8	Sudbury	15	0	25	7	5.8	-14
Shingle Point	3	- 2	9	- 1	M	M	ALBERTA							Thunder Bay	13	- 1	20	6	42.8	22
Tealga	M	X	15P	4P	M	X	Banff	12	1	26	- 1	M	M	Timmins	14	0	23	4	12.2	- 9
Watson Lake	13	0	25	5	4.0	- 4.8	Calgary	15	2	27	0	0.8	-18.6	Toronto	16	- 2	25	8	1.8	-12
Whitehorse	12	0	23	3	0.8	- 5.1	Cold Lake	15	1	28	1	M	M	Trenton	16	- 2	25	8	26.9	11
NORTHWEST TERRITORIES							Coronation	15	1	29	0	4.0	- 7.7	Upsala	M	X	M	M	M	
Cape Parry	0	- 1	6	- 5	0.0	- 2.1	Edmonton Intl	15	2	30	3	3.0	-10.2	Wawa	10	X	24	2	21.9	
Cape Young	0	- 1	6	- 4	M	M	Edmonton Nmao	17	3	30	4	2.0	-13.1	Warton	14	- 2	23	5	3.2	- 8
Clinton Point	1	- 1	14	- 4	M	M	Edson	14	3	27	1	17.9	-10.0	Windsor	19	0	28	12	0.6	-19
Contwoyo Lake	M	M	M	M	M	M	Fort Chipewyan	13	0	27	- 3	M	M	QUÉBEC						
Coppermine	3	0	22	- 4	M	M	Fort McMurray	15	2	30	1	5.6	- 5.3	Bagotville	16	2	30	6	18.4	- 4
Fort Reliance	9	2	24	0	3.0	- 0.9	Grande Prairie	16	3	30	2	6.8	- 8.0	Baie Comeau	12	0	25	3	8.4	-12
Fort Simpson	16	2	32	2	0.7	- 8.8	High Level	15	3	32	- 1	9.1	2.4	Blanc Sablon	6	0	10	- 1	0.0	-23
Fort Smith	13	0	27	- 2	6.7	- 1.5	Jasper	15	3	29	4	1.8	- 9.1	Border	M	M	M	M	M	
Hay River	11	1	30	- 4	6.0	- 0.7	Lac La Biche	M	X	M	M	M	X	Chevery	M	X	M	M	M	
Inuvik	10	0	19	1	0.3	- 1.2	Lethbridge	16	2	28	1	0.0	-15.6	Chibougamau	16	X	28	6	39.1	
Lady Franklin Point	2	1	8	- 3	0.0	- 0.5	Medicine Hat	17	1	29	1	0.7	-12.5	Gaspé	9	X	24	- 1	5.0	
Nicholson Peninsula	1	- 2	14	- 5	M	M	Peace River	16	3	32	0	8.5	- 1.3	Grindstone Island	9	0	18	6	11.1	- 4
Norman Wells	15	2	30	3	7.4	- 0.3	Red Deer	15	2	28	0	7.2	-11.6	Inoucdjouac	6	3	19	0	53.8	45
Port Radium	M	X	M	M	M	X	Rocky Mountain House	14	1	27	- 1	11.1	-10.9	Kuujuuaq	12	6	23	0	28.4	18
Robertson Lake	M	X	M	M	M	X	Slave Lake	15	3	29	3	0.0	-15.4	Lac Eon	M	X	M	M	M	
Tuktoyaktuk	3	- 1	14	- 3	0.0	- 0.6	Vermilion	16	2	27	3	9.9	- 3.3	Grande Riviere	8	X	28	1P	M	
Yellowknife	12	1	27	1	2.0	- 0.8	Whitecourt	16	3	29	3	0.0	-17.3	Maniwaki	16	0	28	5	2.4	-15
Baker Lake	1	0	11	-11	0.0	- 3.4	SASKATCHEWAN							Matagami	16	X	30	8	M	
Coral Harbour	2	1	5	- 2	22.9	16.6	Broadview	13	X	27	- 1	8.8	X	Mont-Joli	12	- 1	23	6	4.0	- 9
Ennadai Lake	M	M	M	M	M	M	Buffalo Narrows	15	2	27	6	M	M	Montréal	18	0	30	10	5.0	-15
Jenny Lind Island	- 1	0	3	- 8	2.2	1.6	Collins Bay	7	X	17	- 3	14.6	X	Natashquan	9	0	19	2	11.6	- 8
Pelly Bay	- 2	0	3	- 6	8.4	5.7	Cree Lake	11	X	23	0	16.8	X	Nitchequon	15	6	27	6	29.6	10
Rankin Inlet	- 1	X	7	- 4	M	X	Eastend Cypress	M	X	M	M	M	X	Parent	M	X	M	M	M	
Shepherd Bay	- 1	0	3	- 5	7.0	2.3	Estevan	14	- 2	28	4	3.8	-11.8	Port Menier	M	M	M	M	M	
Alert	- 1	0	7	- 9	0.0	- 2.0	Hudson Bay	12	- 1	26	- 1	0.0	-11.4	Poste-de-la-Baleine	10	5	25	0	M	
Broughton Island	2	3	7	- 6	0.0	- 2.5	Kindersley	17	2	29	5	0.8	-13.1	Québec	17	1	29	9	5.6	-16
Cape Dorset	1	X	6	- 2	5.2	X	La Ronge	13	1	26	0	2.6	-16.4	Rivière du Loup	M	M	M	M	M	
Cape Dyer	2	2	7	- 2	0.0	- 7.5	Mendow Lake	14	X	27	1	4.3	X	Roberval	17	2	29	9	8.6	- 7
Cape Hooper	0	2	7	- 6	0.2	- 4.9	Moose Jaw	16	0	28	5	2.3	-14.9	Schefferville	13	6	25	5	8.8	-10
Clyde	- 1	- 2	5	- 7	0.4	- 2.5	Nipawin	14	X	27	1	1.6	X	Sept-Îles	10	0	21	5	1.0	-20
Dewar Lakes	2	4	9	- 4	0.2	- 3.6	North Battleford	16	1	28	2	2.4	-11.9	Sherbrooke	15	0	28	6	11.4	-10
Eureka	3	1	11	- 4	1.8	1.0	Prince Albert	13	- 1	26	- 1	3.4	- 8.0	Ste Agathe des Monts	15	0	27	5	13.4	- 9
Profisher Bay	2	0	7	- 3	13.6	7.0	Regina	15	0	28	5	0.8	-17.9	Val D'Or	16	1	25	8	25.3	8
Gladman Point	- 2	0	5	-10	7.9	6.4	Rocky Mtn	M	X	M	M	M	X	NEW BRUNSWICK						
Hall Beach	- 1	0	2	- 4	9.3	7.0	Saskatoon	15	0	27	4	1.2	-11.5	Charlo	13	0	30	6	4.2	-18
Longstaff Bluff	2	3	7	- 3	M	M	Swift Current	15	0	26	4	M	M	Chatham	13	- 1	27	4	11.6	- 5
Mackay Inlet	0	2	7	- 7	11.2	8.4	Uranium City	11	- 1	25	0	26.6	18.6	Fredericton	14	- 1	27	6	16.4	2
Pond Inlet	2	X	6	- 3	0.4	X	Wynyard	14	X	25	2	0.7	X	Moncton	12	- 2	24	3	10.3	- 9
Resolute	1	2	3	- 2	3.8	0.2	Yorkton	13	- 1	25	2	0.8	-10.0	Saint John	13	0	26	5	11.7	-10
Byron Bay	0	- 1	12	- 8	0.8	- 0.5	MANITOBA							St Stephen	M	X	M	M	M	
Cambridge Bay	- 1	- 1	7	-10	1.5	- 1.8	Blissett	11	X	21	2	8.7	X	NOVA SCOTIA						
Mould Bay	- 2	0	3	- 8	2.2	0.1	Brandon	13	- 2	25	1	1.2	-13.2	Amherst	M	X	M	M	M	
Sachs Harbour	0	0	5	- 4	3.1	1.5	Churchill	1	- 4	11	- 2	23.6	15.1	Eddy Point	8	X	15	4	24.0	
BRITISH COLUMBIA							Dauphin	11	- 4	27	- 2	0.9	-14.8	Greenwood	12	- 2	26	1	11.0	- 4
Abbotsford	17	2	30	6	0.0	-17.1	Gillam	6	X	17	0	M	X	Sable Island	7	- 3	11	4	10.0	- 7
Alert Bay	12	- 1	20	6	0.4	-12.8	Gimli	11	- 4	24	2	2.2	-11.1	Shearwater	9	- 4	21	2	47.8	27
Amphitrite Point	12	X	16	8	0.4	X	Grand Rapids	M	X	M	M	M	X	Shelburne	10	X	19	5	33.9	
Blue River	M	X	M	M	M	X	Island Lake	8	X	15	1	M	X	Sydney	8	- 3	16	3	3.6	-14
Bull Harbour	M	M	15	M	0.4	-12.5	Lynn Lake	8	- 2	19	- 1	3.1	-14.0	Truro	11	- 2	24	2	8.6	-11
Burna Lake	14	X	25	4	M	X	Norway House	9	X	20	1	0.3	X	Yarmouth	12	0	23	6	12.6	-10
Cape Scott	10	- 1	15	7	0.7	-28.1	Pilot Mound	14	- 1	25	5	M	M	PRINCE EDWARD ISLAND						
Cape St James	10	- 1	14	6	3.1	-11.1	Portage	13	- 3	25	0	6.8	- 9.9	Charlottetown	11	- 1	22	5	21.6	1
Clinton	M	X	M	M	M	X	The Pas	11	- 2	24	- 2	3.6	- 6.7	East Point	M	X	M	M	M	
Comox	18	3	28	9	0.0	- 7.4	Thompson	9	- 2	18	- 1	6.0	17.0	Summerside	12	- 1	24	6	4.2	-12
Cranbrook	17	3	30	0	1.0	- 8.4	Winnipeg	13	- 3	24	- 1	M	M	NEWFOUNDLAND						
Dease Lake	12	1	23	2	1.0	- 6.6	ONTARIO							Argentina	7	X	15	2	0.0	
Estevan Point	M	M	M	M	M	M	Armstrong	10	- 2	22	- 1	27.7	- 5.0	Badger	M	X	M	M	M	
Ethelda Bay	10	X	19	3	M	X	Atikokan	13	- 1	22	3	34.6	5.5	Bonavista	5	- 3	14	0	0.8	-16
Fort Nelson	17	2	30	6	16.2	2.3	Barrie	M	X	M	M	M	X	Burgeo	8	0	13	4	0.0	-35
Fort St John	16	3	29	5	8.1	- 9.0	Big Trout Lake	5	- 5	13	1	62.7	47.5	Cape Race	M	X	M	M	M	
Hope	17	X	29	7	0.2	X	Britt	M	X	M	M	M	X	Comfort Cove	8	- 3	22	0	3.2	-14
Kamloops	21	3	34	9	0.0	- 7.5	Caribou Island	M	X	M	M	M	X	Daniel's Harbour	8	0	15	1	0.0	-13
Langara	10	- 1	13																	