

Spring may be evident everywhere across southern Canada, but in the north it is a different situation, as seen in this NOAA 9 satellite photo of May 4, 1988. Snow still covers northern Quebec and Baffin island. The Greenland ice cap is easily discernible.

Ice is showing signs of break-up in northern Hudson Bay and Hudson Strait.

Much needed rain in the southeastern Prairies

Winds play havoc with Maritime lobster

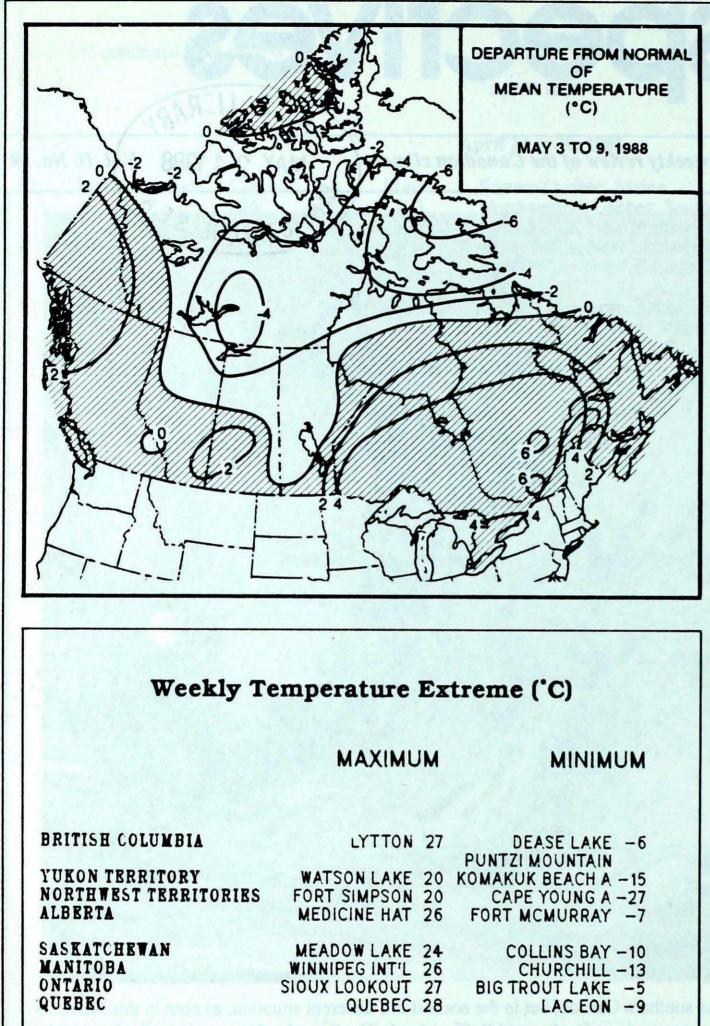
fishermen



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Climatic Perspectives

May 3 to 9, 1988



ACROSS THE COUNTRY...

Yukon and Northwest Territories

Maximum temperatures in the southern and central Yukon were above seasonal values, with readings of 20°C. In the Mackenzie and Great Slave Lake districts, the week was dry. A dusting of snow covered the ground at Yellowknife on the 8th. Wind warnings were issued for the Arctic coastline. New daily record low temperatures were established in the eastern Arctic. with minimums dropping down to the minus twenties. In the high Arctic, maximum readings still remained well below freezing.

British Columbia

An atmospheric disturbance drifted southeastwards across the province, triggering sporadic shower activity and cool temperatures. Some southern interior valleys received much needed moisture in the 10 to 15 millimetre range. Outflow winds produced early clearing along the central and north coast, and by the weekend pretty well the whole province basked in sunny, warm weather, as a offshore flow predominated.

Prairies Provinces

In Alberta the week began unsettled, with light rainfalls in the foothills and parts of southern Alberta. Five to 10 centimetres of snow fell in the mountain valleys near Banff. Sunny, warm weather returned towards the middle of the week, and daytime highs once again climbed into the twenties.

Skies cleared rapidly in Saskatchewan and southwestern Manitoba after the heavy rain that caused extensive flooding and soil erosion in the Swan River Valley moved northeastward into northern Manitoba. By mid-week, temperatures climbed back up into the teens. Widespread shower and thunderstorm activity, associated with a disturbance over the northern plains, moved into southeastern Saskatchewan and southern Manitoba for the weekend, dumping 10 to 25 millimetres of additional rain. On May 7, severe thunderstorms produced hail and spawned a small tornado at Emerson and Winnipeg, respectively.

NEW BRUNSWICK
NOVA SCOTIA
PRINCE EDWARD ISLAND
NEWFOUNDLAND

CHATHAM	26	ST STEPHEN	-3
SYDNEY	22	SYDNEY	-3
SUMMERSIDE	22	SUMMERSIDE	0
GOOSE	20	CHURCHILL FALLS	-7

ACROSS THE NATION

WARMEST MEAN TEMPERATURE COOLEST MEAN TEMPERATURE

ONT 15 OTTAWA INT'L -18 DEWAR LAKES NWT

Ontario

High pressure dominated the weather pattern for the greater portion of the week. The edge of a slow moving disturbance

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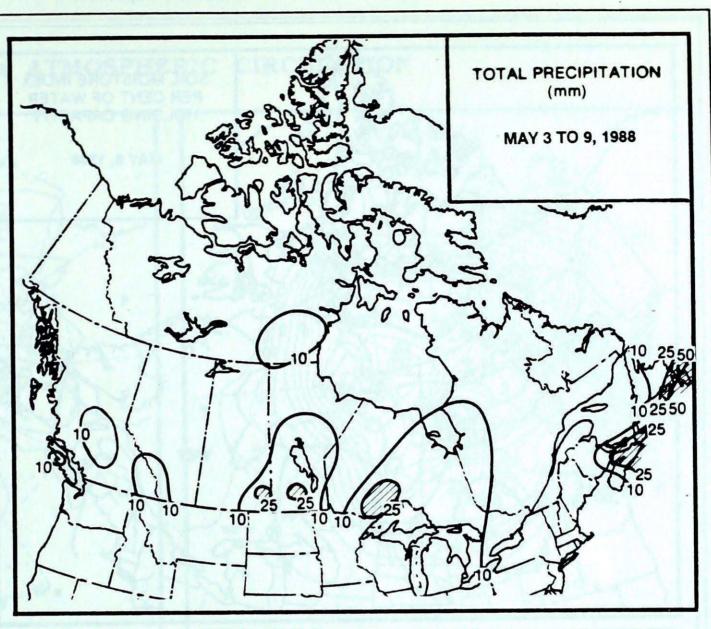
brushed past the southern part of the province on Thursday. Daily high temperature records were broken across the north, but the arrival of rain resulted in cooler conditions over the weekend. In the southern half of the province, it turned out to be a gorgeous Mother's Day weekend, with daytime highs climbing into the mid twenties, accelerating plant growth considerably. Fruit trees are in bloom. Late on the afternoon of May 9, heavy thunderstorms crossed southern and central Ontario. Funnel clouds and a possible tornado were reported in the southwest corner of the province.

Quebec

It was a pleasantly sunny week as an area of high pressure prevailed over the region. More than a dozen daily high temperature records were broken across the province, as daytime highs soared into the twenties during the middle of the period. Precipitation was very light, mostly limited to the northern and eastern sections of the province. The forest fire situation has become critical, and until rain diminishes the forest fire hazard, there is a ban on all outdoor fires. As of May 9, there were more than 60 fires were burning in the province. Since the beginning of the season there have been 212 reported fires.

Atlantic Provinces

A vicious Atlantic storm reached the shores of eastern Canada at the beginning of the week, bringing wet and unseasonably cool weather. Up to 42 mm of rain fell on Nova Scotia, while Sable Island received 100 mm. Winds gusted to 148 km/h along the Cape Breton coastline. Mainland lobster fishermen lost thousands of traps, with the greatest loses reported on Pictou Island, where some lost 60 percent of their catch. The record cool temperatures moderated



Heaviest Weekly Precipitation (mm)

A ESTEVAN POINT	18
TUCHITUA	18
TORIES RANKIN INLET	8
BANFF	19
BROADVIEW	27
PORTAGE LA PRAIRIE	35
ATIKOKAN	30
PORT MENIER	54
MONCTON	20
SABLE ISLAND	101
CHARLOTTETOWN	40
ST LAWRENCE	89
	TUCHITUA TORIES RANKIN INLET BANFF BROADVIEW PORTAGE LA PRAIRIE ATIKOKAN PORT MENIER MONCTON SABLE ISLAND CHARLOTTETOWN

Weekend Rain helps bring "Kenora 14" under control

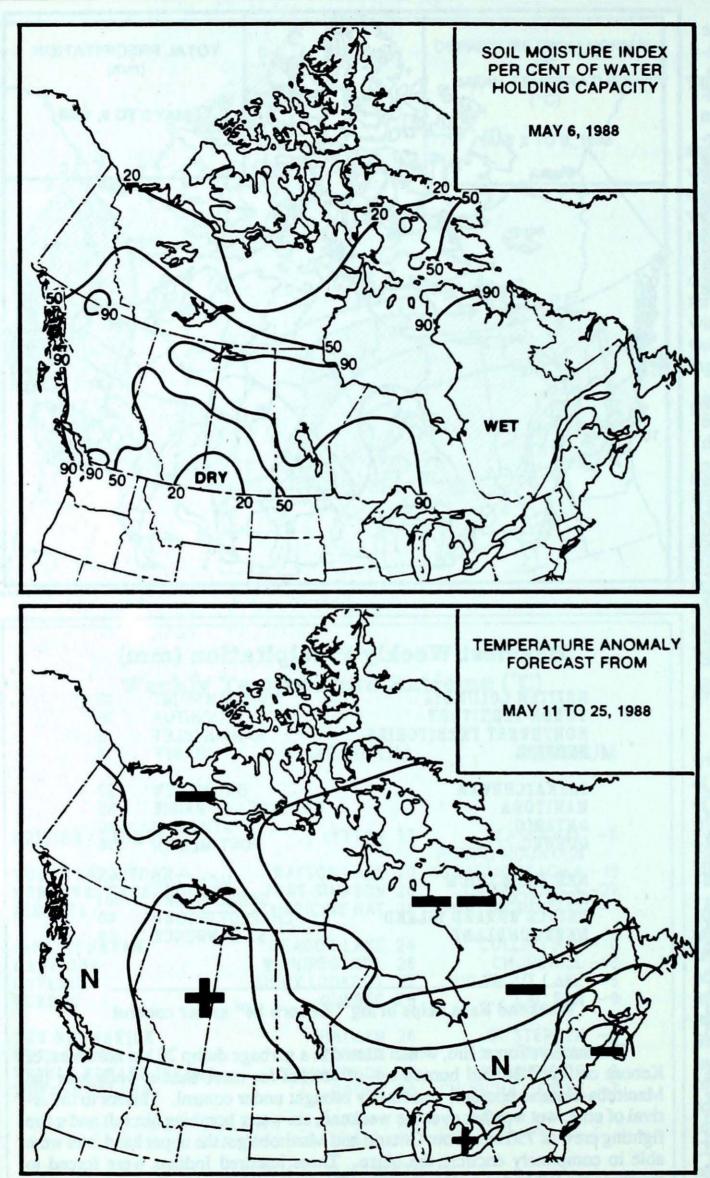
quickly, and by mid-week readings nudged the mid-twenties under sunny skies.

Newfoundland experienced the same type of inclement weather at the beginning of the period, after which it turned fair and mild until the weekend, when light rain and snow fell on eastern sections of the Island. The week ended on a unseasonably cold but sunny note. In Labrador, the week started off warm and sunny, with the mercury at some locations climbing to twenty degrees. Temperatures returned to more seasonal values by mid-week, with a few showers or flurries. The massive forest fire, which started in a garbage dump 20 km northwest of Kenora on April 30 and burned out of control for more than a week near the Manitoba-Ontario boarder, was finally brought under control. Thanks to the arrival of cool, wet weather over the weekend, six water bombing aircraft and a fire fighting crew of 750 men from Ontario and Manitoba got the upper hand, and were able to completely encircle the blaze. Three hundred Indians were forced to evacuate the Whitedog Indian Reserve. Ten cottages were destroyed, but luckily 240 others were saved. The fire destroyed more than 240 square kilometers of timber more than twice the size of the city of Hamilton. There is very little evidence of open flames, but workers are still on the scene snuffing out small fires and identifying hot spots. In fact, there could be fire crews stationed there all summer to keep an eye out for flare-ups.

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CLIMATIC PERSPECTIVES VOLUME 10

Regional Correspondents

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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.

Unsolicited articles are welcome but should be at maximum about 1500 words in length. They will be subject to editorial change without notice due to publishing time constraints. The contents may be reprinted freely with proper credit.

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

Atmospheric Environment Service.

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- ++ much above normal
- + above normal
- N normal

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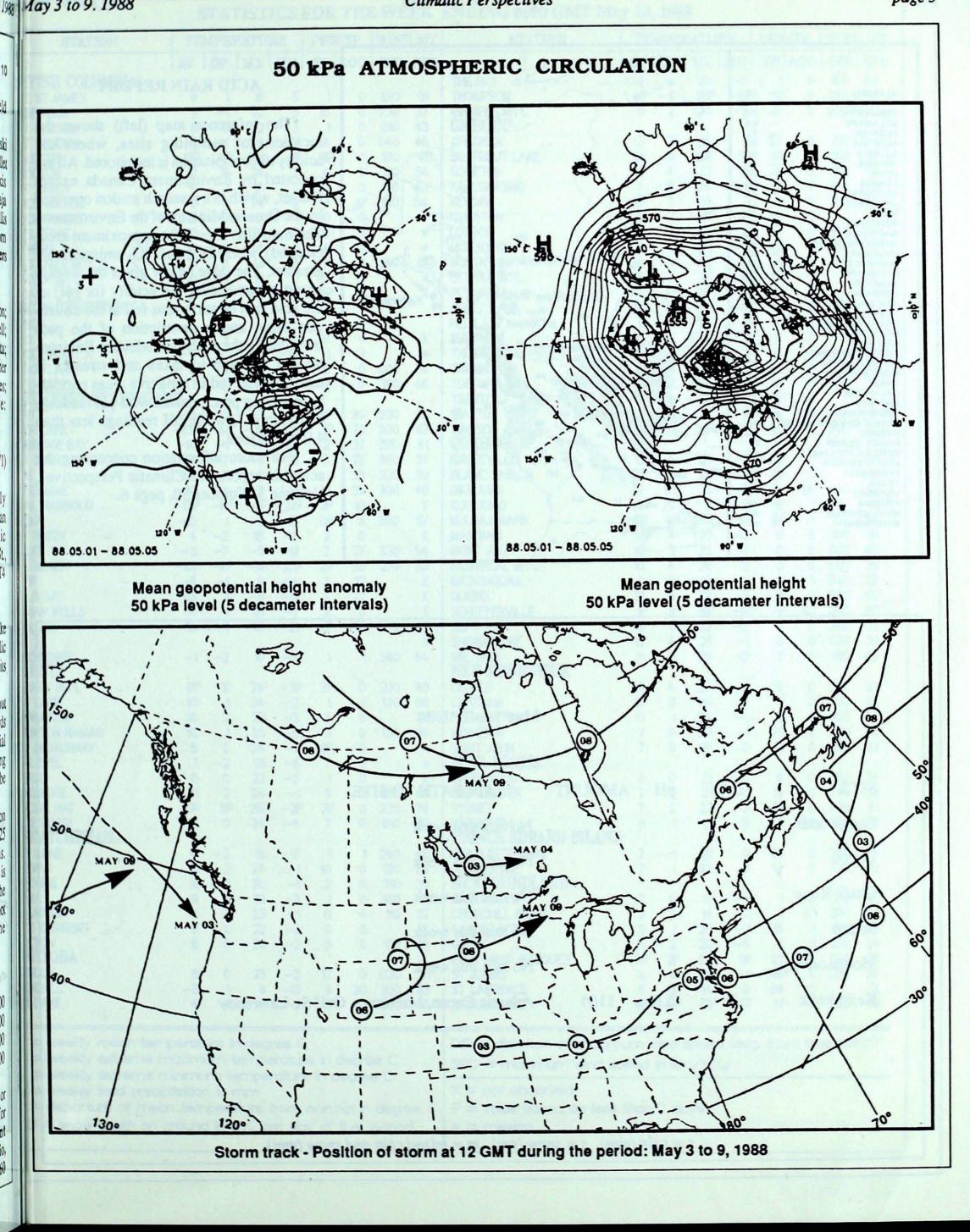
- below normal
- -- much below normal

Temperature Anomaly Forecast

This forecast is prepared by searching historical weather maps to find cases similar to the present. The historical outcome during the 15 days subsequent to the chosen analogues is assumed to be a forecast for the next 15 days from now. Orders must be prepaid by money order or cheque payable to Receiver General for Canada. Canadian Government Publishing Centre, Ottawa, Ontario, Canada K1A 0S9 (819) 997-2560 1ay 3 to 9. 1988

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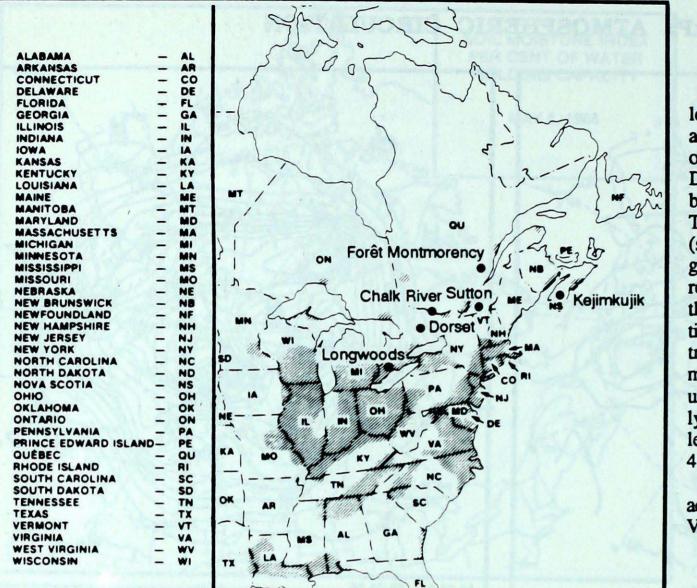
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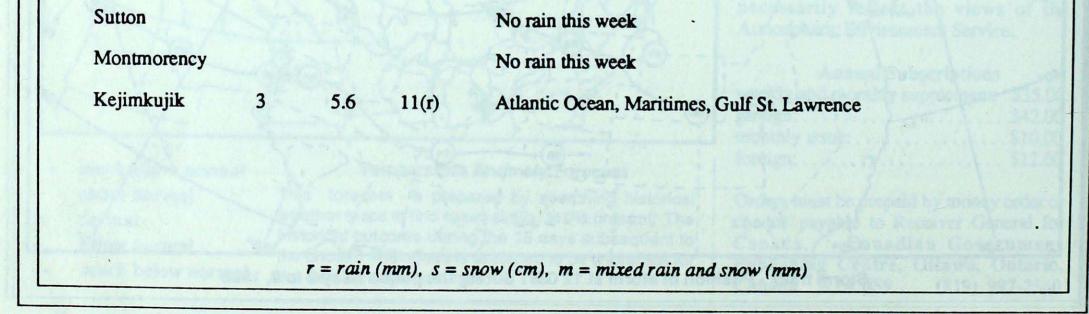
ACID RAIN REPORT

The reference map (left) shows the locations of sampling sites, where the acidity of precipitation is monitored. All are operated by Environment Canada except Dorset, which is a research station operated by the Ontario Ministry of the Environment. The map also shows the approximate areas (shaded), where SO2 and NOx emissions are greatest. The table below gives the weekly report summarizing the acidity (or pH) of the acid rain or snow that fell at the collection sites, and a description of the path travelled by the moisture laden air. Environmental damage to lakes and streams is usually observed in sensitive areas regularly receiving precipitation with pH readings less than 4.7, while pH readings less than 4.0 are serious.

For more information concerning the acid rain report, see Climatic Perspectives, Volume 5, Number 50, page 6.



SITE	DAY	pH	AMOUNT	AIR PATH TO SITE	
Longwoods				No rain this week	
Dorset				No rain this week	
Chalk River				No rain this week	



y 3 to 9, 1988

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1700		S	STAT	LIST	ICS	FOR	THE	EWE	EK	ENDING 0600 GMT Mag	y 10	, 198	8					
	STATION TEMPERATURE			PREC			MX	STATION		1	RATU		PREC		WINI	_		
		AV	DP	MX	MN	TP	SOG	DIR	SPD		AV	DP	MCX.	MN	TP	SOG	DIR	SPD
	BRITISH COLUMBIA									THE PAS	б	*	20	-5	1	*	100	48
	TAPE ST.JAMES	9	1	16	. 5	1	0	130	81	THOMPSON	4P	-1P	18P	-8P	1P	0	350	54
	TRANBROOK	9	-1	22	0	15	0	230	37	WINNIPEG INT'L	11	2	26	-4	16	0	030	65
	TORT NELSON	8	0	22	-3	1	0	010	43	ONTARIO								
	TORT ST.JOHN	9	1	24	-3	4	0	040	46	ATIKOKAN	13	7	26	1	30	0	170	54
ne	CAMLOOPS	13P	OP	26P	4P	11P	0	100	41	BIG TROUT LAKE	3P	*	13P	-5P	6P	0	350	61
N	ENTICTON	2	0	24	2	4	0	180	56	GORE BAY	2	4	23	3	6	0	180	65
n	PORT HARDY	9	1	16	3	0	0	20	43	KAPUSKASING	11	5	24	-4	21	0	200	56
	RINCE GEORGE	9	*	24	-2	3	0	190	54	KENORA	13	5	26	1	4	0	210	65
	RINCE RUPERT	8	0	15	1	0	0		*	KINGSTON	P	3	20	4	0	0		X
	EVELSTOKE	12	0	25	2	3P	0		*	LONDON	13	3	24	2	12	0	250	67
	MITHERS	10	2	24	-1	4	0			MOOSONEE	8	5	20	-4	22	1	220	35
	ANCOUVER INT'L	11	0	18	5	2	0	290	31	NORTH BAY	14	6	25	4	11	0	250	57
A	ACTORIA INT'L	10	-1	19	2	2	0		*	OTTAWA INT'L	15	5	25	4	OP	0		X
01	ALLIAMS LAKE	7P	*	22P	-2P	16P	0		X	PETAWAWA	13P	4 P	27P	-3P	3P	0		X
	UKON TERRITORY									PICKLE LAKE	8P	4P	26P	-4P	3P	0	210	39
	LAWSON		-	-			0			REDLAKE	11	5	25	0	9	0	340	59
	LAYO	9	3	17	0	0	*		X	SUDBURY	13	6	24	3	2	0		X
	HINGLE POINT A	-9	-1	1	-14	1	13	000	*	THUNDER BAY	10	3	26	-2	17	0	170	46
	LATSON LAKE	B	32	20	-1	2	0	090	74	TIMMINS	2	0	26	-2	2	0	200	57
	IORTHWEST TERRITORI	PC	2	19	-5	3	0	190	46	TORONTO INT'L	20	2	24		3	0	200	57
	LERT		•	-7	24	20	25	220	OF	TRENTON	_	2	24 26	1	5	0		X
	AKER LAKE	-15 -13P	-49	-3P	-21 -23P	29 19	35 70	330 30 0	85	WARTON	13 14P	2P	24P	3 5P	15 12P	0	200	72
	AMBRIDGE BAY	-14	-1	-7	-21	2	37	280	61	QUEBEC	m	25	241	JP.	125	0	200	12
	APE DYER	-15	-7	-9	-21	3	T2	360	37	BAGOTVILLE	2	6	28	-2	0	0	310	48
	LYDE	-15	-5	-8	-26	1	35	320	39	BLANC SABLON	3P	*	20 12P	-49	OP	0	510	TOY
	OPPERMINE	-10	*	-3	-18		35	300	48	INUKJUAK	-2	1	2	-8	A	24	040	52
	ORAL HARBOUR	-13P	-40	-7P	-229	29	18	500	X	KUUUUAQ	-2	ò	8	-8	3	1	280	61
	UREKA	-15	1	-8	-21	OP	11	300	57	KUUUUARAPIK	2P	4P	20P	-6P	4P		180	54
	ORT SMITH	4	-2	18	-8	2	Ö		X	MANIWAKI	2	4	25	-2	ö	o	180	41
	DALLUTT	-11	-7	-5	-19	2	27	330	54	MONT JOLI	10	5	25	ō	Ō	Ō	060	48
	ALL BEACH	-16P	-49	-9P	-25P	2P	38	270	52	MONTREAL INT'L	15	4	26	3	0	0	060	39
	NUVIK	-б	-1	9	-14	3	2		X	NATASHQUAN	6	3	18	-4	0	0	040	56
	IOULD BAY	-13	1	-8	-19	2	22		X	QUEBEC	13	5	28	2	0	0	080	50
	ORMAN WELLS	4	1	16	-7	2	0		X	SCHEFFERVILLE	1P	2P	14P	-7P	4P	42	260	80
11	ESOLUTE	-16	-1	-10	-21	3	18	320	43	SEPT-LES	8	4	22	-2	0	0	360	37
									X	SHERBROOKE	2	4	26	-1	0	0	050	39
	ELLOWKNIFE	-1	-2	10	-11	1	1	340	54	VAL D'OR	11	5	25	-2	2	0	180	48
	LBERTA								a Mariana	NEW BRUNSWICK					6			1.5
	ALGARY INT'L	8P	P	21P	-3P	3P	0	270	48	CHARLO	10	4	26	-3	0	0	090	33
	OLD LAKE	10	1	24	-2	1	0	130	59	СНАТНАМ	10	3	26	-2	5	0	050	65
	ORONATION	10	2	22	-3	3	0		*	FREDERICTON	10	1	24	-1	0	0	360	56
	DMONTON NAMAO	10	1	25	-6	1	0	130	59	MONCTON	. 1	0	23	-1	20	0	350	78
	ORT MCMURRAY IGH LEVEL	8	0	24	-7	OP	0		X	SAINT JOHN	1	0	18	0	1	0	360	63
	ASPER	8	-2	21 22	-6 -5	7	0		*	NOVA SCOTIA	•	•	~	and Add	-	•	250	74
	ETHBRIDGE	11	2	24	-5	9	0	180	X 69	GREENWOOD	8	0	21	-1	6	0	350	74 78
	EDICINE HAT	13P	3P	26P	-29	2P		230	74	SYDNEY	4	2	21		19	0	340	
	EACE RIVER	8	0	24	-4	7	0	010	39	YARMOUTH	6	4	22	-3	42 3	0	030	81 78
	ASKATCHEWAN	0	v	6T			•	UN	39	PRINCE EDWARD ISLAND	•			0	3	0	300	10
	REELAKE	4	-2	18	-8	1	1	240	46	CHARLOTTETOWN	7	-	21	0	40	0	360	74
	STEVAN	n	2	24	-1	10	o	120	89	SUMMERSIDE	7	1	22	0	14	0	010	72
	A RONGE	8	1	20	-1	2	õ	310	39	NEWFOUNDLAND				v		•	010	
	EGINA	9	1	22	-3	1	0	360	61	CARTWRIGHT	2	0	17	-6	1	32	210	65
	ASKATOON	n	2	23	-1	o	õ	110	57	CHURCHILL FALLS	2	2	16	-7	i	47	200	48
	WIFT CLIPDENT		2	m	2	•	•		v	CANDED INTE	-			-			-	00

		-			~	•	110	51		6	4	N	-1		-	200	TO	
WIFT CURRENT	11	2	22	-2	0	0		X	GANDER INT'L	5	1	20	-3	15	1	070	93	
ORICTON	8	0	20	-2	5	0	160	46	GOOSE	5	2	20	-б	1	0	220	59	
LANITOBA									PORT-AUX-BASQUES	5P	2P	13P	OP	12P	0	020	78	
RANDON	8	0	23	-2	12	0	030	81	ST JOHNPS	4	0	19	-1	58P		080	87	
HURCHILL	-3	1	6	-13	9	30	350	63	ST LAWRENCE	6	3	14	0	89	0		X	
I'NN LAKE	4	-1	14	-5	3P	1	350	46	WABUSH LAKE	4P	4P	17P	-5P	3P	Ō	220	59	
V = weekly mean temperature in degree C X = weekly extreme maximum temperature in degree C N = weekly extreme minimum temperature in degree C									DIR = direction of maximum wind speed (deg. from true north) SPD = maximum wind speed in km/hour									
P = weekly total precip	oitation	inn	m	Guac		syrci	cc		X = not observed									
P = departure of mean	n tem	perat	une f	from r	norm			ee C	P = value based on les	s than	7 do	ry9						
DG = snow depth on g						he	perio		* = missing									

