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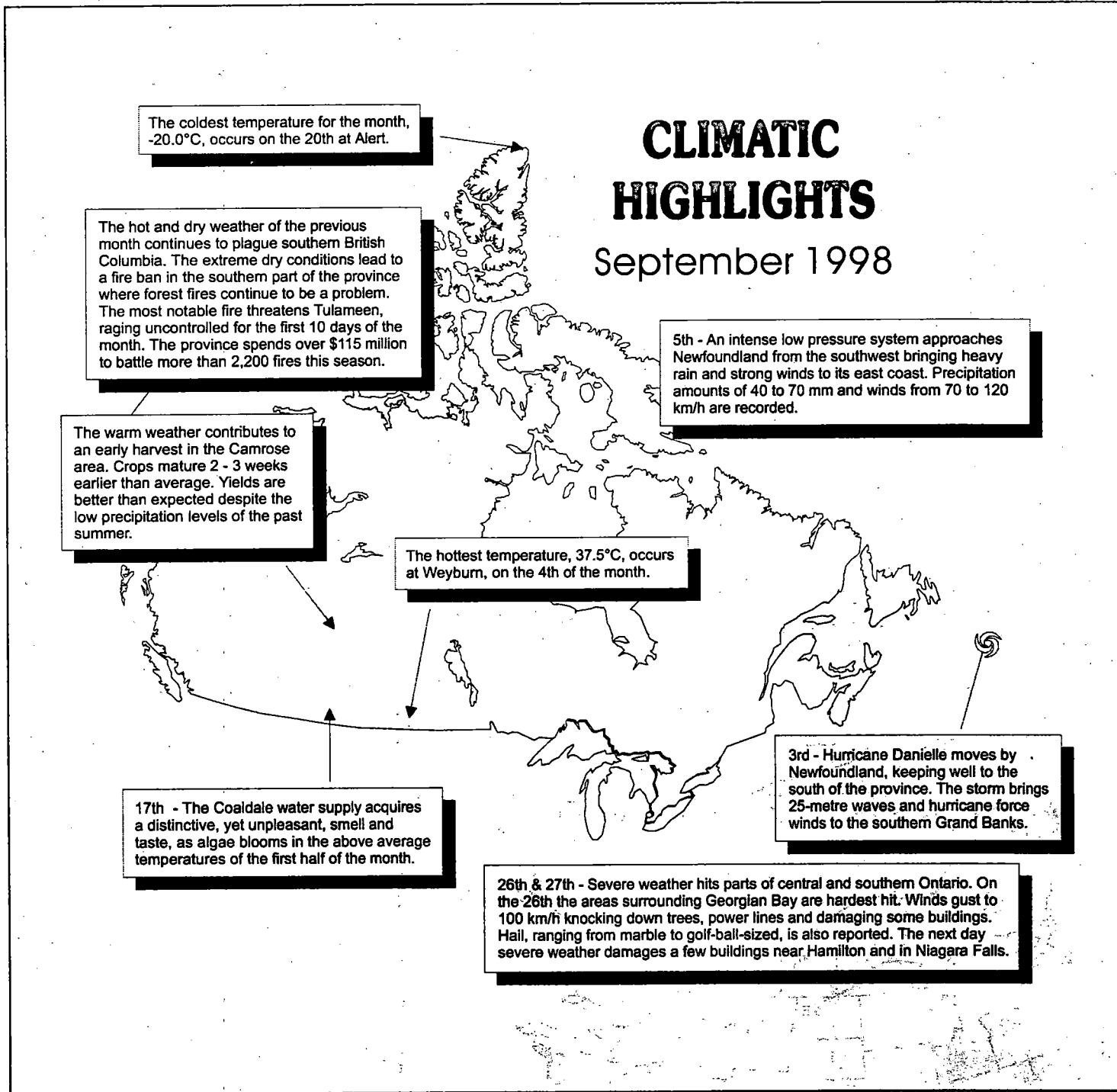


Summary ↻

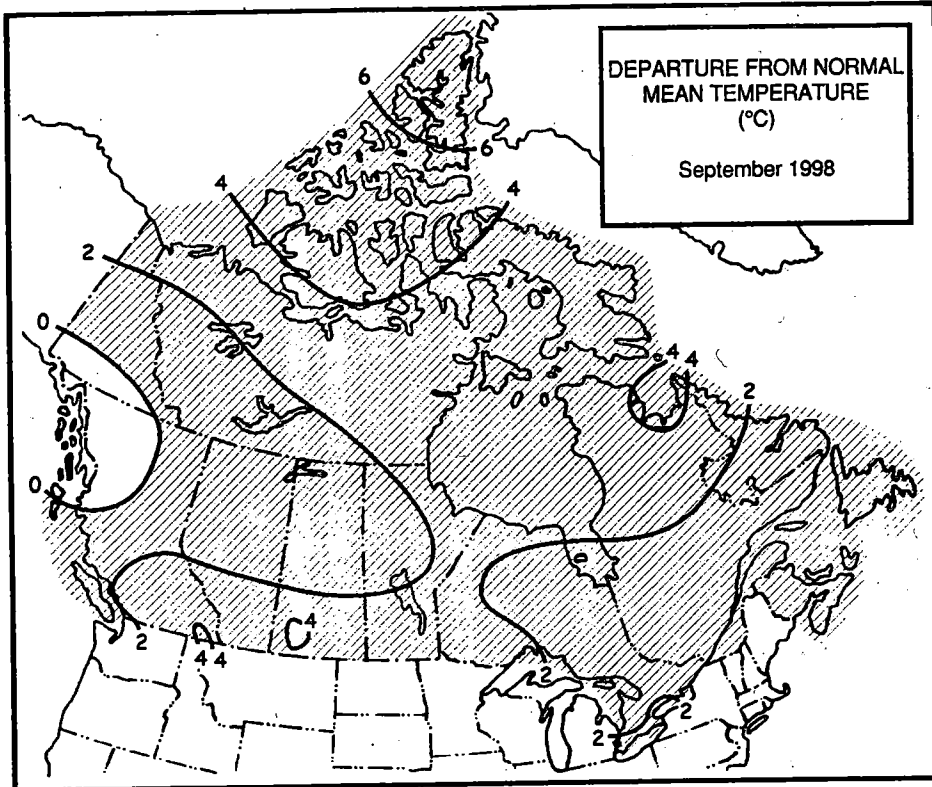
September 1998

Monthly review of Canadian climate and water

vol. 3



**CANADIAN CLIMATE SUMMARY
VOLUME 3**




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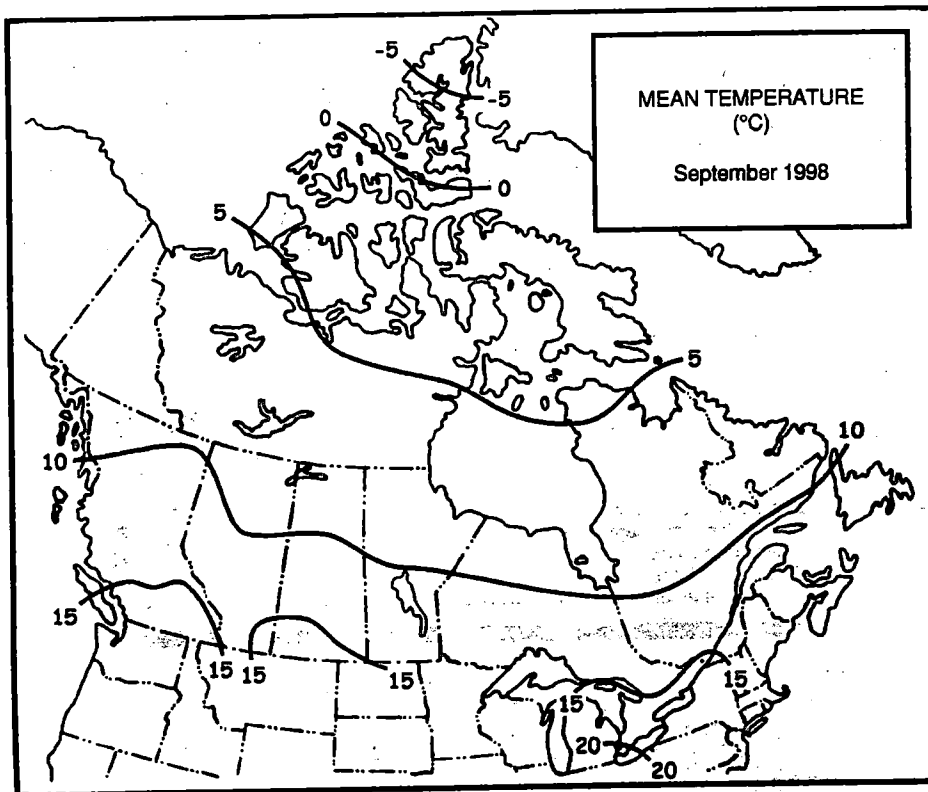
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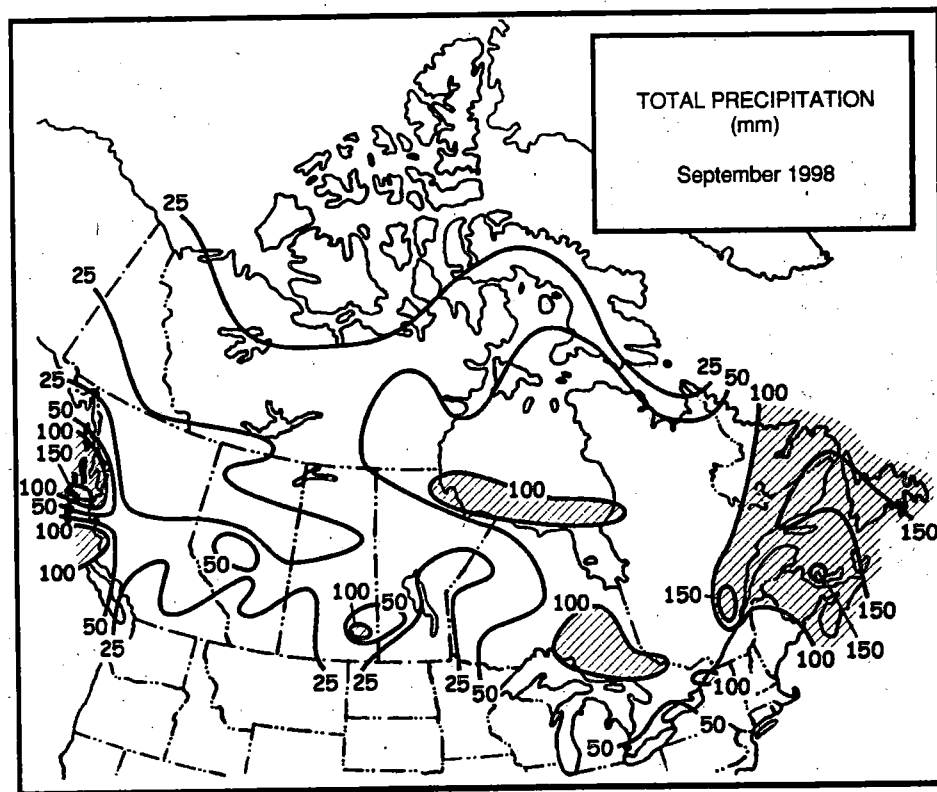
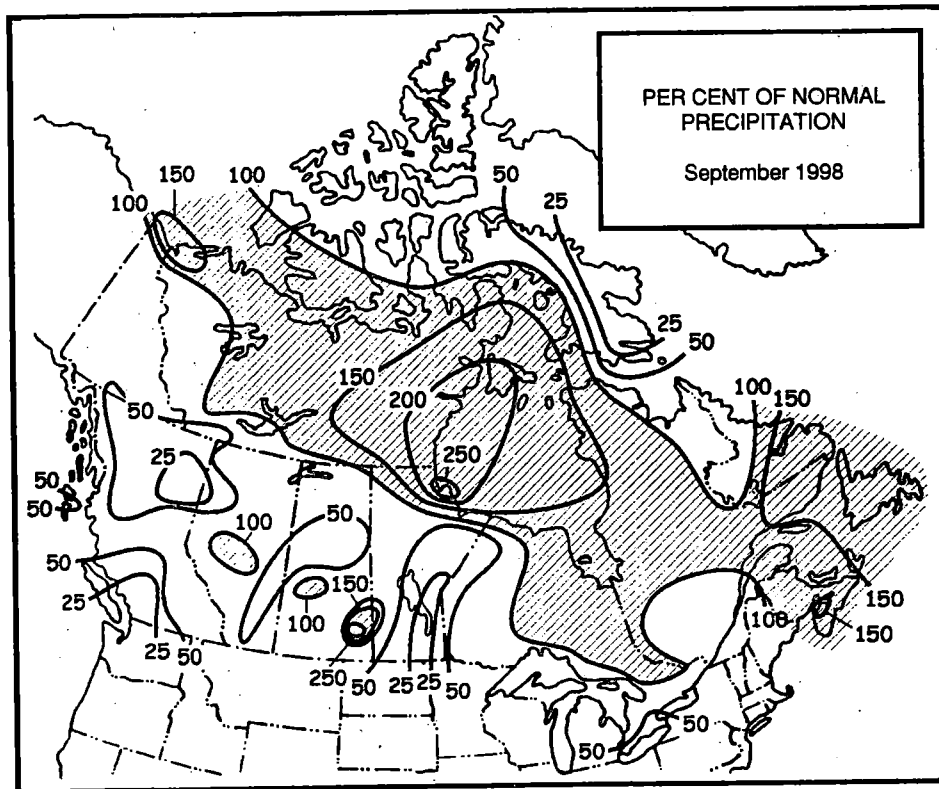


Weather Extremes, September 1998

	Maximum temperature (°C)	Minimum temperature (°C)	Greatest precipitation (mm)
British Columbia	VERNON 35.4	BURNS LAKE -5.8	GREEN ISLAND 209.0
Yukon Territory	WHITEHORSE 18.9	MARGARET LAKE -12.1	IVVAVIK NAT. PARK 48.0
Northwest Territories	FORT SIMPSON A 24.9	ALERT -20.0	CAPE DORSET A 89.5
Alberta	VAUXHALL 36.5	FORT MCMURRAY A -8.9	WHITCOURT A 55.9
Saskatchewan	WEYBURN 37.5	NORTH BATTLEFORD A -6.6	BROADVIEW 129.9
Manitoba	MELITA 35.0	GRAND RAPIDS -5.0	CHURCHILL A 141.0
Ontario	MISSISSAUGA 35.5	ARMSTRONG A -3.7	SUDBURY A 142.0
Quebec	STE CLOTHILDE 29.2	ST JOVITE -3.9	HAVRE ST PIERRE A 162.5
New Brunswick	ST STEPHEN 28.5	CHARLO A -0.9	SAINT JOHN A 117.4
Nova Scotia	GREENWOOD A 26.0	SYDNEY A 1.8	SYDNEY A 164.0
Prince Edward Island	CHARLOTTETOWN A 23.8	CHARLOTTETOWN A 5.5	CHARLOTTETOWN 109.5
Newfoundland	GANDER INT'L A 24.7	CHURCHILL FALLS -2.0	STEPHENVILLE A 190.7

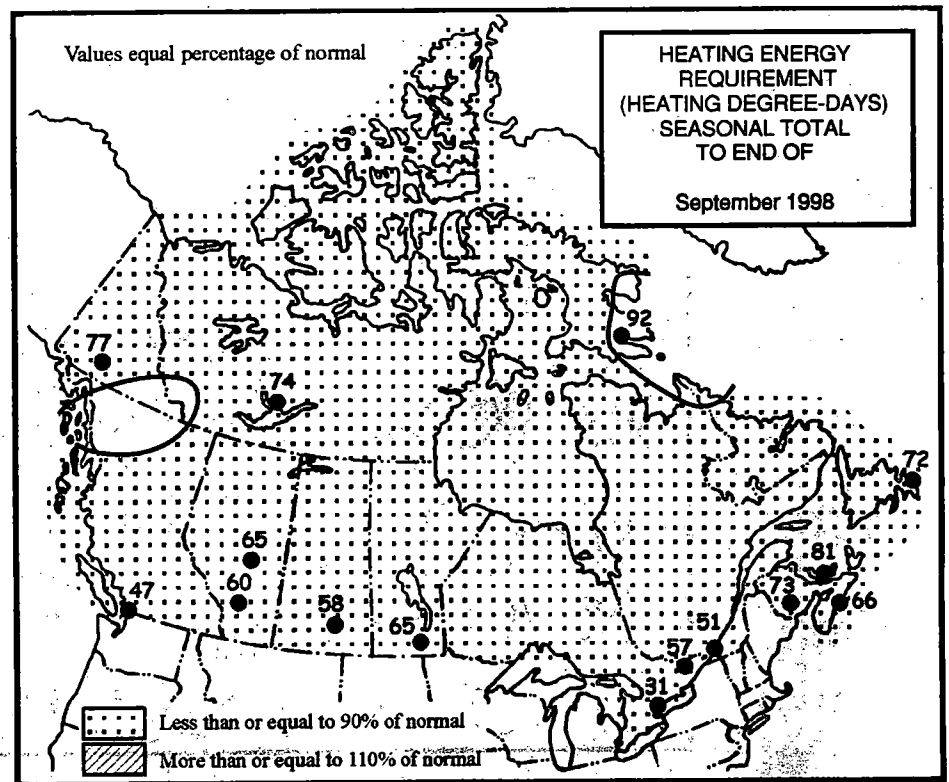
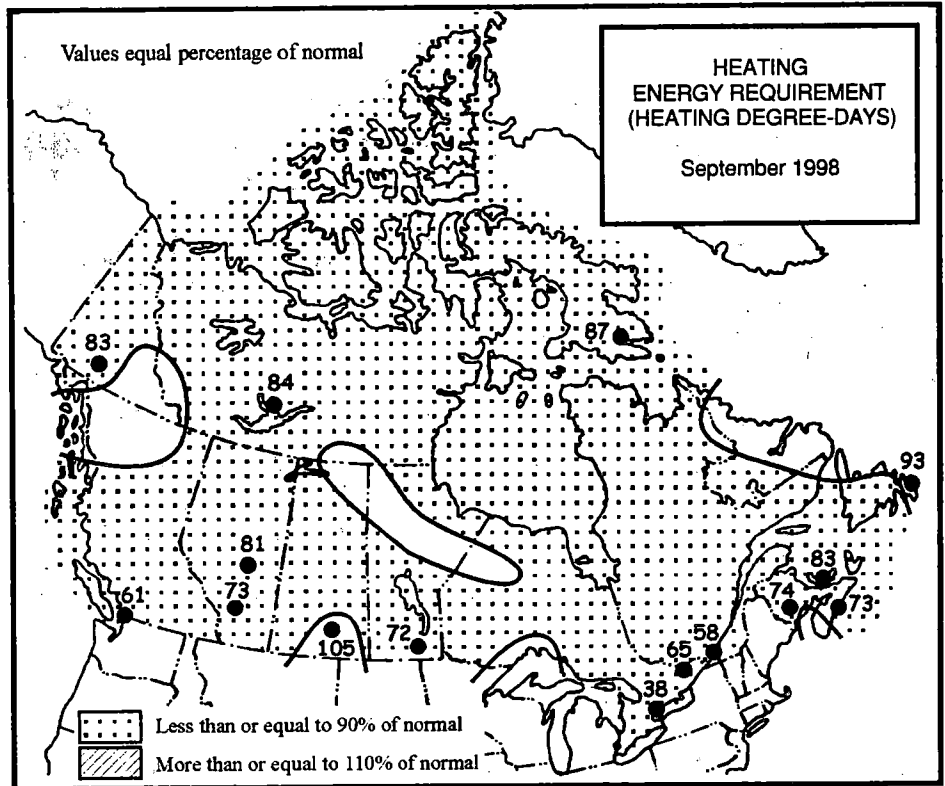
Across The Country...

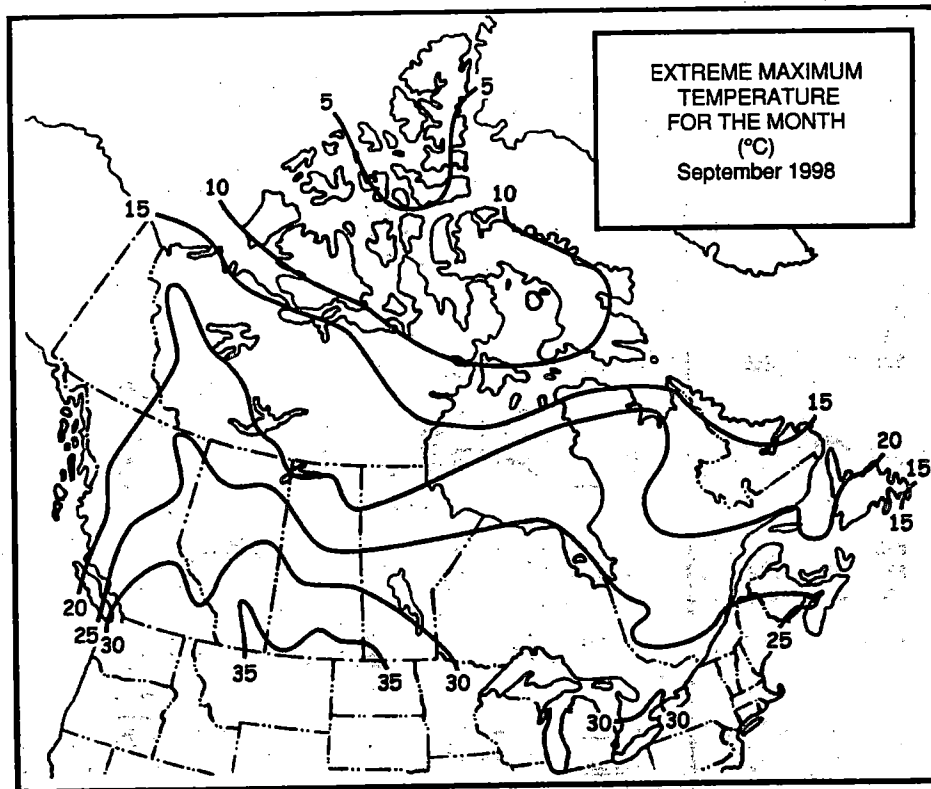
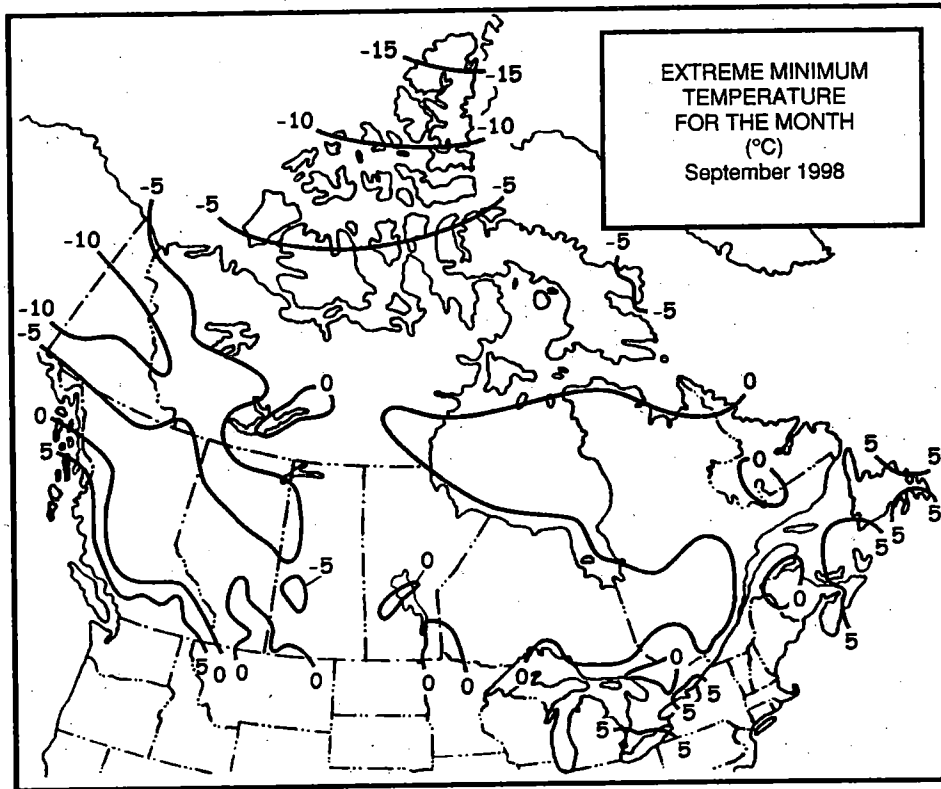
Highest Monthly Mean Temperature	WINDSOR	ONT	20.2	°C
Lowest Monthly Mean Temperature	ALERT	NWT	-8.5	°C
Highest Temperature	WEYBURN	SASK	37.5	°C
Lowest Temperature	ALERT	NWT	-20.0	°C
Heaviest Monthly Precipitation	GREEN ISLAND	BC	209.0	mm
Greatest Number of Bright Sunshine Hours	VICTORIA INT'L A	BC	270.3	hrs



SEASONAL TOTAL OF HEATING
DEGREE-DAYS TO END OF SEPTEMBER

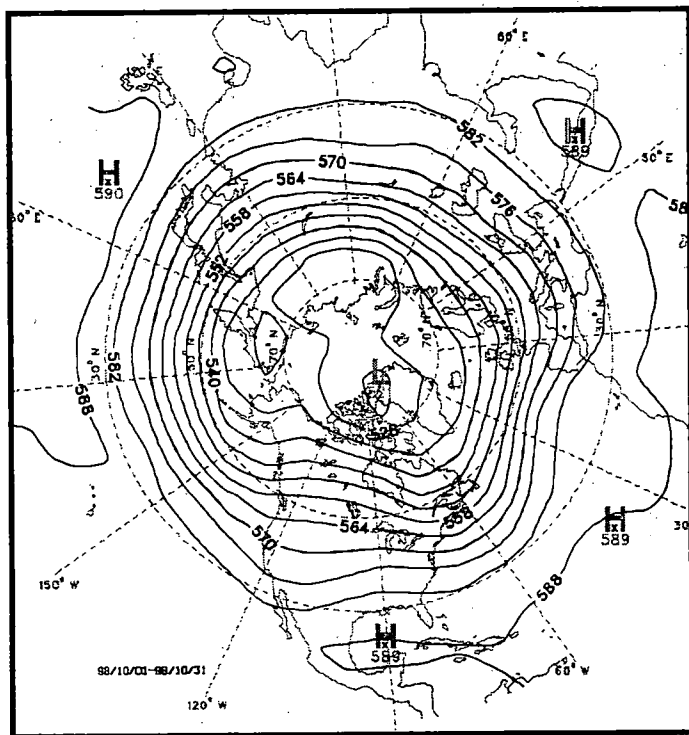
	1998	1997	Normal
British Columbia			
VICTORIA INT'L A	155	149	255
PRINCE GEORGE A	330	*	451
VANCOUVER INT'L A	88	96	188
PENTICTON A	55	103	136
KAMLOOPS A	54	78	131
Yukon Territory			
DAWSON	636	*	*
WATSON LAKE A	542	469	577
North West Territories			
INUVIK A	*	*	816
IQALUIT A	1044	1100	1140
RESOLUTE A	1370	1805	1626
Alberta			
EDMONTON INT'L A	275	247	424
CALGARY INT'L A	229	310	381
MEDICINE HAT A	85	*	216
PEACE RIVER A	306	367	456
Saskatchewan			
MOOSE JAW A	*	151	239
REGINA A	*	204	275
PRINCE ALBERT A	231	249	369
SASKATOON A	*	232	301
Manitoba			
BRANDON A	171	215	288
WINNIPEG INT'L A	*	202	243
CHURCHILL A	*	*	785
LYNN LAKE A	428	430	554
THOMPSON A	437	450	558
Ontario			
KENORA A	132	194	259
THUNDER BAY A	*	*	320
SUDBURY A	177	284	259
KAPUSKASING A	*	*	414
NORTH BAY A	186	280	279
OTTAWA INT'L A	93	145	164
WINDSOR A	*	*	72
LONDON A	49	*	141
TORONTO INT'L A	*	*	140
Quebec			
MONTREAL INT'L A	78	132	154
SHERBROOKE A	*	284	300
SEPT-ILES A	381	505	478
MONT JOLI A	266	317	343
BAGOTVILLE A	259	300	330
VAL D'OR A	320	371	394
New Brunswick			
FREDERICTON A	*	188	218
MONCTON A	161	182	234
SAINT JOHN A	228	264	266
Nova Scotia			
GREENWOOD A	117	142	200
YARMOUTH A	*	210	248
Prince Edward Island			
CHARLOTTETOWN A	167	183	211
Newfoundland			
GANDER INT'L A	293	349	378
ST JOHN'S A	281	357	388
GOOSE A	436	497	499



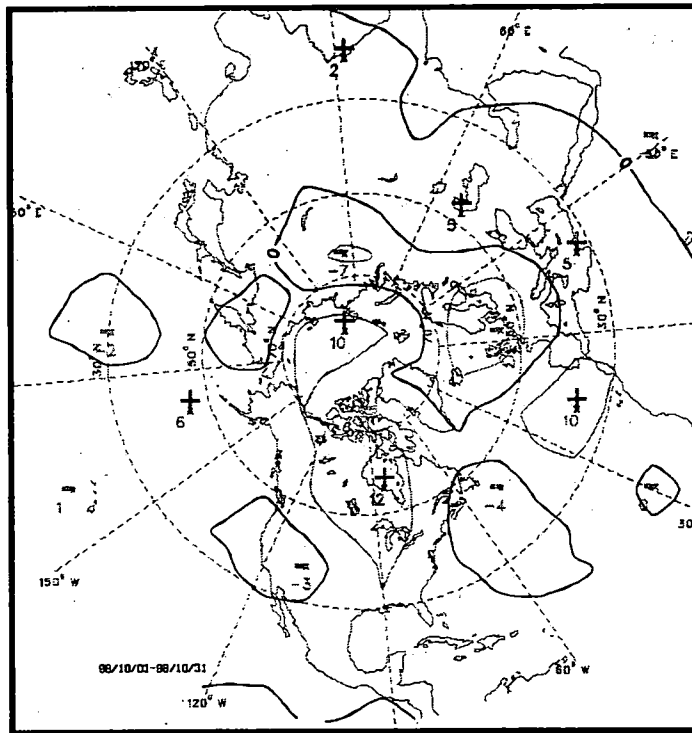


50-kPa ATMOSPHERIC CIRCULATION

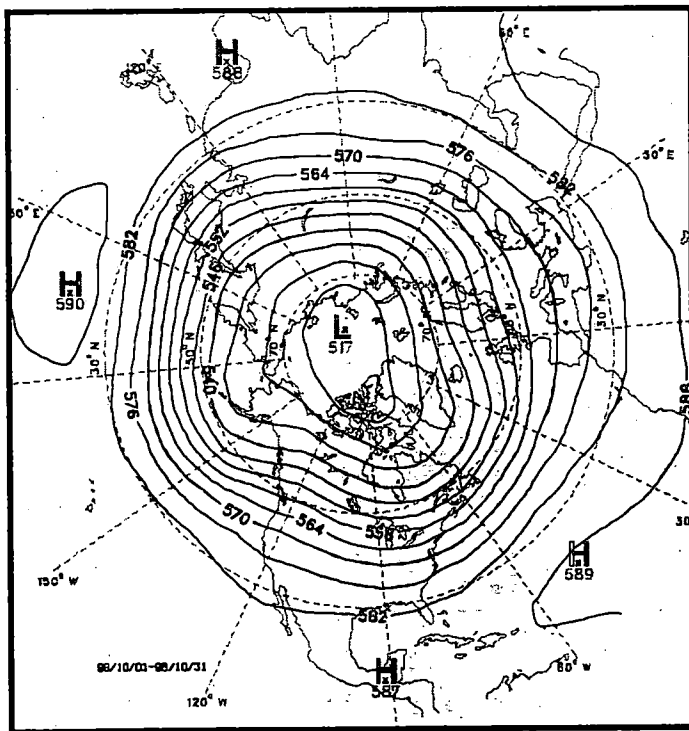
September 1998



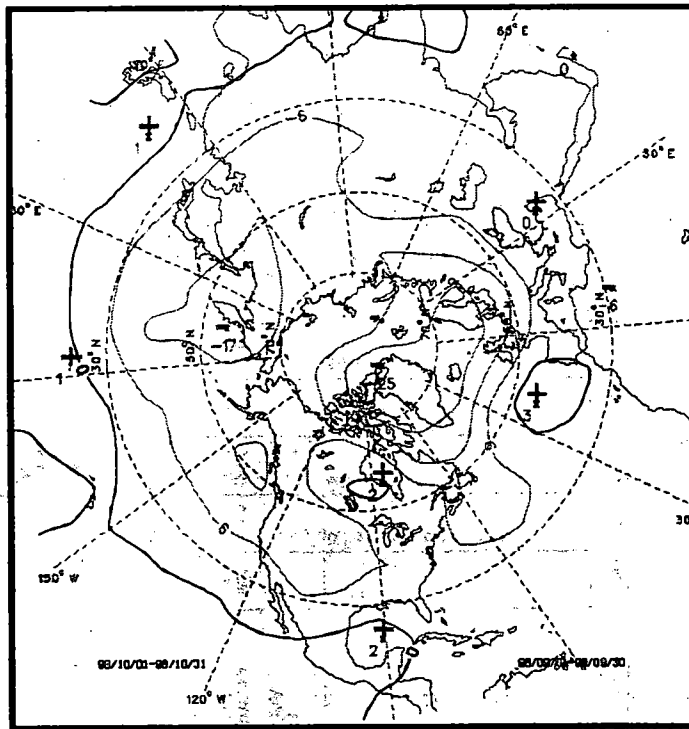
Mean geopotential heights
6-decadetre interval



Mean geopotential height anomaly
6-decadetre interval



Normal geopotential heights for the month
6-decadetre interval



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

September 1998

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	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											Mean	Difference from Normal	Maximum	Minimum											
BRITISH COLUMBIA														YUKON TERRITORY															
ABBOTSFORD A	16.5	2.0	29.6	5.2	0.0	13.5	16	4	250	137	56.2		BURWASH	4.4		18.2	-11.8										407.9		
AGASSIZ CS	17.1		30.5	5.4		32.0		3			42.4		DAWSON	6.2		18.1	-11.7										352.9		
CLINTON	12.8		28.9	-4.7		27.0		9					FARO	6.4		18.2	-7.1										347.1		
COMOX A	15.9	2.1	25.8	7.3	0.0	2.8	6	1			68.9		KOMAKUK BEACH	3.7		14.8	-6.0												
CRANBROOK A	16.3	4.3	33.4	1.3	0.0	31.4	96	6			81.5		TESLIN	6.6		18.1	-4.7										342.8		
DEASE LAKE CAMPBEL	6.9		18.8	-4.4		46.4		12			333.5		WATSON LAKE A	7.3	-0.1	18.8	-6.3		26.0	58		8					321.6		
ESTEVAN POINT CS	14.7		21.4	6.5		93.6		7					NORTHWEST TERRITORIES																
FORT NELSON A	10.1	1.3	25.5	-3.2		11.0	26	3		216			ALERT	-8.5	1.2	4.8	-20.0	4.5	58	77.2	191	14	58				366.9		
FORT ST JOHN A	11.0	1.4	25.2	-2.0	0.0	7.4	17	3			209.5		BAKER LAKE A	5.8	3.4	13.1	-2.0					6					438.7		
HOPE	17.7		30.0	6.7		14.4	52	3			48.1		CAMBRIDGE BAY A	3.4	4.0	11.9	-3.4			21.5	106	14					436.8		
KAMLOOPS A	17.8	2.9	34.6	5.3	0.0	28.5	80	6			78.0		CAPE DORSET A	3.4		9.6	-1.1			89.5									
KELOWNA A	16.0	2.9	34.4	1.5									CAPE DYER	-0.5		8.0	-6.0												
LANGARA	11.7	-0.4	17.5	4.8		127.5	71	19			189.0		CAPE HOOPER	1.0	2.9	8.9	-16.9												
LYTTON	19.8		35.2	5.7									CAPE PARRY A	4.3	3.3	12.0	-0.8												
MACKENZIE A	9.8	0.8	23.9	-2.6		33.4		4			60.9		CLYDE A	2.7	3.0	10.4	-2.9											459.8	
MALAHAT	16.5		28.2	9.6									CORAL HARBOUR A	4.4	3.5	12.2	-2.0	5.1	50	72.5	200	14					408.9		
MCINNIS ISLAND	13.4	0.6	18.6	9.2		143.4	69	12			137.5		ENNADALLAKE	6.5		15.9	-1.3			73.7		12					345.6		
NELSON	18.6		34.7	5.4		14.8		4			38.1		EUREKA	-0.9	7.5	4.0	-6.8			0.0	0	0	166	172			565.5		
PENTICTON A	18.0	3.3	35.0	4.0	0.0	8.2	36	2			48.4		FORT SIMPSON A	9.3	1.8	24.9	-4.9	3.0	65	33.5	111	9					261.3		
PORT ALBERNI	16.7		30.3	4.7							49.5		FORT SMITH A	8.7	1.1	21.4	-4.6	0.0	0	37.0	96	7	130				278.3		
PORT HARDY A	12.8	1.0	24.1	5.4	0.0	61.2	47	8	140	96	157.7		FOX FIVE	0.7	3.0	9.9	-5.1												
PRINCE GEORGE A	10.8	1.0	26.2	-1.9	0.0	45.0	76	7			216.9		HALL BEACH A	2.7	3.2	6.6	-1.3											459.7	
PRINCE RUPERT A	11.8	0.5	18.5	4.5		138.0	56	16			187.4		HAY RIVER A	9.4	1.2	22.9	-1.1	0.0	0	24.8	66	4					258.2		
PRINCETON	15.9		35.0	0.7							82.6		INUVIK A	6.4	3.1	19.1	-1.7												
QUESNEL A	13.1	1.8	26.9	-1.3		26.0		4			63.9		IQALUIT A	4.3	2.0	10.4	-0.4	0.0		20.7		5	104				411.8		
REVELSTOKE	16.8		32.4	4.6		26.5	28	8			151.6		KUGLUKTUK A	5.7		16.8	-5.1											369.5	
SANDSPIT A	12.9	-0.1	18.7	7.9		63.4		7			119.4		LADY FRANKLIN POINT	5.3	3.9	12.0	-1.0												
SHERINGHAM POINT	14.0		20.9	7.7									LONGSTAFF BLUFF	3.0	3.5	9.2	-1.5	0.8	15	26.2	86	8					310.0		
SMITHERS A	9.5	-0.3	22.7	-2.5	0.0	17.2	32	6			254.7		NORMAN WELLS A	7.7	1.4	20.6	-3.0					9						368.7	
SQUAMISH	18.2		29.1	4.3		20.6		4			66.7		PANGNIRTUNG	5.6		12.3	-3.7			44.6		7							
SUMMERLAND CS	18.7		35.3	6.0		10.2		3			40.2		RANKIN INLET A	5.7		12.7	-0.9					9							
TERRACE A	11.9	-0.2	20.8	3.7		69.0	68	12			182.1		RESOLUTE A	0.6	5.7	4.5	-6.9	11.2	60	19.8	87	2	7	29	49		520.5		
VANCOUVER INT'L A	16.1	1.8	28.7	7.7	0.0	11.2	17	3	263	139	69.0		SHEPHERD BAY A	2.7	3.5	9.6	-2.4					8						352.9	
VICTORIA INT'L A	15.0	1.2	24.7	6.3	0.0	5.6	15	3	270	130	90.9		TUKTOYAKTUK	6.2		17.2	0.2			42.2	147							282.9	
WILLIAMS LAKE A	12.4	2.1	26.8	-1.6		17.7	49	6			171.5		YELLOWKNIFE A	8.6	1.9	18.0	-1.1												

September 1998

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									
TIMMINS A	11.2	0.9	27.9	-2.4	0.0	0	107.2	117		17			206.7
TORONTO ISLAND A	18.2	1.9	32.7	7.3									34.4
TORONTO LESTER B. P	18.2	3.0	33.5	3.7	0.0		38.8	52		5	246		39.7
TRENTON A	16.1	1.2	28.1	1.8	0.0		54.3	73		9			73.4
WATERLOO WELLINGTON	16.8	2.5	30.5	2.0	0.0		42.5	47		5			63.0
WAWA A	12.7		25.2	-1.9			120.4	13		13			161.0
WIARTON A	15.5	1.3	28.5	0.7	0.0		82.0	76		11			87.8
WINDSOR A	20.2	2.8	32.3	7.9	0.0		37.2	43		5			17.7
QUEBEC													
BAGOTVILLE A	11.9	0.9	22.9	-0.2	0.0	0	124.2	125		17			184.0
BAIE COMEAU A	10.8	1.2	20.4	0.0			118.5	119		11			214.9
BLANC SABLON A	9.2		16.4	1.3									264.3
CHIBOUGAMAU	9.6		21.6	-1.3									
GASPE A	11.4		22.2	2.3	0.0		79.4			12	144		197.7
ILES DE LA MADELEIN	14.1		21.2	6.9			145.2			13	165		116.5
JONQUIERE	12.2		22.3	0.5			160.0			16			173.8
KULUJUAQ A	9.3	4.0	20.6	0.1	0.0	0	55.2	97		8	82		259.9
KULUJUAPIK A	9.9	2.7	23.8	2.6	0.0	0	133.0	142		20			242.7
L'ASSOMPTION CDA	15.0	1.2	26.9	0.7									98.5
LA GRANDE RIVIERE A	9.4		21.6	0.9	0.0		80.2			15			259.0
LAC FON	7.1		17.3	-0.6									327.3
MATAGAMI	10.0		25.8	-1.2									239.0
MONT JOLI A	12.1	1.0	21.4	2.5	0.0		90.4	110		12			175.8
MONTREAL/DORVAL INT	16.1	1.6	27.1	3.9									69.1
NATASHQUAN A	10.8	1.5	21.6	1.6									215.2
NORMANDIN	11.1		22.5	-1.0									206.9
QUEBEC CS	13.7		25.5	1.2									129.0
ROBERVAL A	12.2	0.9	24.3	0.4	0.0	0	85.4	94		15	157		172.8
SEPT-ILES A	11.2	2.0	23.2	1.1	0.0		125.8	113		13			203.9
SHERBROOKE A	13.7	1.7	27.9	-2.2			70.0	71		12			131.3
ST HUBERT A	15.3	1.1	27.9	-0.2									
VAL D'OR A	11.2	0.8	24.9	0.2			83.5	81		12			204.7

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									
NEW BRUNSWICK													
CHARLO A	12.7	1.4	22.8	-0.9			108.7	126		14			160.2
FREDERICTON A	14.1	1.1	26.5	-0.2	0.0		103.2	112		9			117.5
MONCTON A	13.6	0.8	23.8	1.1	0.0		112.1	139		13	135	81	131.8
SAINT JOHN A	13.1	0.4	23.6	0.2			117.4	105		12			147.3
ST STEPHEN													
	13.9		28.5	0.0									
NOVA SCOTIA													
AMHERST	13.9		23.6	4.4									
GREENWOOD A	14.8	1.2	26.0	4.0	0.0		149.4	175		10			99.8
SHEARWATER A	15.3	0.9	24.0	6.3			126.8	139		14	164	91	83.1
SYDNEY A	14.2	1.0	23.2	1.8	0.0		164.0	159		12			116.9
YARMOUTH A	13.8	0.2	23.3	5.6	0.0		112.1	128		9			126.7
PRINCE EDWARD ISLAND													
CHARLOTTETOWN A	14.0	0.6	23.8	5.5									118.7
EAST POINT	14.8		19.6	9.4									
NEWFOUNDLAND													
ARGENTIA													
BONAVISTA	12.9		21.2	5.3									167.9
CARTWRIGHT	12.4	0.6	23.6	5.8									281.4
CHURCHILL FALLS	8.6	0.5	14.8	2.6	0.0	0	141.2	162		20			301.1
DANIELS HARBOUR	11.8	1.1	18.2	4.5									
DEER LAKE A	11.2	0.5	23.8	-1.8	0.0		157.7	172		13			204.3
GANDER INT'L A	11.9	0.8	24.7	3.4	0.0	0	139.8	156		15	117		183.7
GOOSE A	9.7	0.7	18.9	2.1	0.0	0	145.4	160		19			247.8
MARY'S HARBOUR	9.0		16.7	0.6									
NAIN A	7.6		13.1	2.4									
PORT AUX BASQUES	12.2	0.7	19.1	4.8									
ST JOHN'S A	12.1	0.5	24.4	3.2									180.2
STEPHENVILLE A	13.1	1.1	21.4	3.3	0.0		190.7	171		18	130	97	148.1
WABUSH LAKE A	8.1	1.6	18.4	0.0			94.2	97		21			297.6