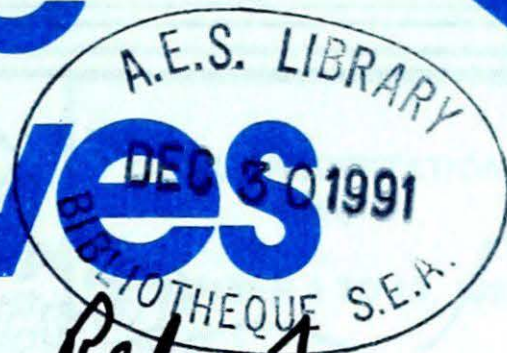


# Climatic Perspectives

MONTHLY SUPPLEMENT INCLUDED



December 9 to 15, 1991 A weekly review of Canadian climate and water Vol. 13 No 50

## Fierce winds lashed the West Coast.

Although the British Columbia coast recorded the strongest winds this week, other parts of the country were also affected by blustery winter weather.

For most of the week the British Columbia coast was under the influence of a strong westerly flow, which was associated with a series of Pacific frontal systems. Sustained wind speeds of 75-85 km/h, with gusts to 100 km/h, were common. The highest gust, 115 km/h, was reported on December 11 at McInnes Island, which is situated along B.C.'s north coast. At Vancouver Airport, a gust of 100 km/h tied the record maximum gust for December, set in 1957. The highest gust ever, 129 km/h, was set in November 1957. The wind storm over southern B.C. on the December 12, ripped off roof shingles, pushed over heavy machinery and left thousands of homes without power. Also, ferry schedules were disrupted for a 5 hour period.

Although these winds have been reported in the past, this fall/winter season has seen a higher number of events than normal, and considerably more than last 10-15 year average.

In Ontario, after a week of balmy, dry weather, a cold front barrelled through on the December 14, producing storm-force winds, as well as now squalls and blowing

snow. Winds along the Lake Ontario and Erie shorelines hit 100-110 km/h, producing 5 to 6 metre high waves. Several highways were closed in the Lake Huron-Georgian Bay snowbelt, as 10-30 cm of snow were blown about by the wind. A return to the colder, more seasonal weather regime, will allow ski resorts operators to make much needed snow for the upcoming Christmas holidays.

In Nova Scotia and Newfoundland, colder temperatures and storm-force winds were also reported. For example, Grand Etang, N.S., had gusts up to 100 km/h, while Sagona Island, Nfld., recorded speeds as high as 107 km/h.

The weather across the Arctic was just as severe, as numerous weather advisories

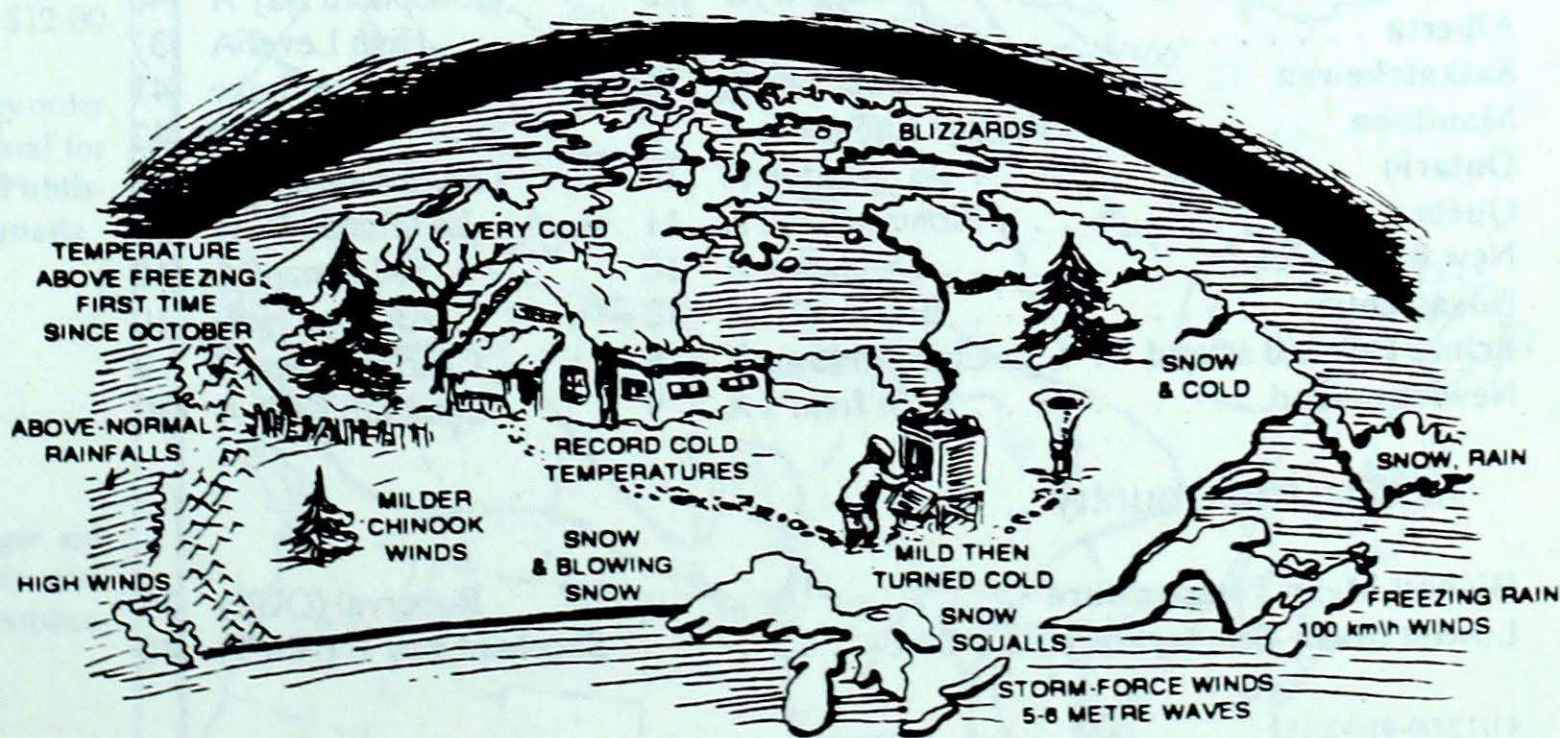
and warning were issued, mainly due to the cold, winds and blizzard conditions.

### A look ahead ...

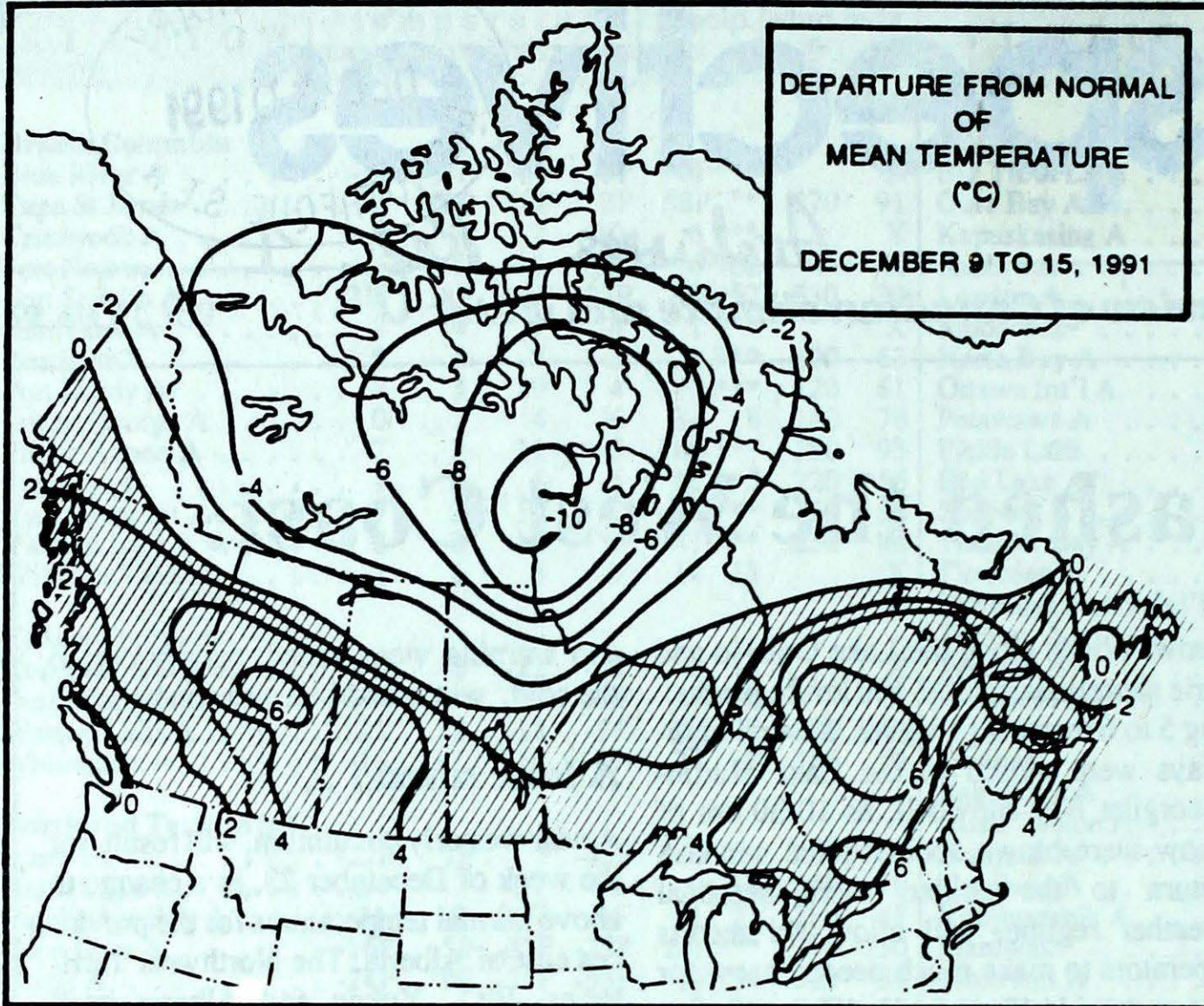
A near westerly circulation, will result, for the week of December 23, in a change to above normal temperatures for the provinces east of Alberta. The Northwest Territories, B.C., Yukon and Alberta itself should endure below normal readings.

The staff of Climatic Perspectives would like to wish all our readers the very best for the holiday period. As usual Climatic Perspectives will not be published during the holiday, but all maps and tables will be included in the New Year edition.

## SEASON'S GREETINGS FROM CCC







**Weekly normal temperatures (°C)**

|                           | max.  | min.  |
|---------------------------|-------|-------|
| Whitehorse A              | -12.2 | -20.3 |
| Iqaluit A                 | -18.7 | -26.4 |
| Yellowknife A             | -19.6 | -27.4 |
| Vancouver Int'l A         | 7.0   | 1.4   |
| Victoria Int'l A          | 7.5   | 1.4   |
| Calgary Int'l A           | -0.9  | -13.5 |
| Edmonton Int'l A          | -7.3  | -18.8 |
| Regina A                  | -7.5  | -18.2 |
| Saskatoon A               | -9.0  | -19.2 |
| Winnipeg Int'l A          | -9.9  | -19.1 |
| Ottawa Int'l A            | -2.9  | -11.0 |
| Toronto (Pearson Int'l A) | 0.7   | -6.4  |
| Montréal Int'l A          | -2.1  | -9.8  |
| Québec A                  | -4.4  | -12.5 |
| Fredericton A             | -1.2  | -10.3 |
| Saint John A              | 0.7   | -8.3  |
| Halifax (Shearwater)      | 2.8   | -4.9  |
| Charlottetown A           | 0.4   | -6.9  |
| Goose A                   | -10.2 | -18.0 |
| St John's A               | 1.8   | -4.6  |

**Weekly temperature and precipitation extremes**

|                       | Maximum temperature (°C) | Minimum temperature (°C) | Heaviest precipitation (mm) |
|-----------------------|--------------------------|--------------------------|-----------------------------|
| British Columbia      | Abbotsford A 10          | Fort Nelson A -33        | Prince Rupert A 120         |
|                       | Penticton A 10           |                          |                             |
|                       | Victoria Int'l A 10      |                          |                             |
| Yukon Territory       | Whitehorse A 1           | Shingle Point A -39      | Watson Lake A 4             |
| Northwest Territories | Cape Dyer -10            | Shepherd Bay A -46       | Cape Dyer A 46              |
| Alberta               | Whitecourt A 10          | High Level A -37         | High Level A 15             |
| Saskatchewan          | Moose Jaw A 5            | Cree Lake -41            | Regina A 10                 |
| Manitoba              | Portage La Prairie A 2   | Gillam A -42             | Portage La Prairie A 15     |
| Ontario               | Warton A 14              | Lansdowne House -38      | Gore Bay A 37               |
| Québec                | Montréal Int'l A 11      | La Grande IV A -36       | Québec A 40                 |
| New Brunswick         | Moncton A 10             | St-Léonard A -18         | Saint John A 27             |
| Nova Scotia           | Greenwood A 12           | Amherst (aut) -10        | Yarmouth A 43               |
| Prince Edward Island  | Charlottetown A 8        | Charlottetown A -9       | Charlottetown A 16          |
| Newfoundland          | St John's A 9            | Churchill Falls A -30    | St Anthony 49               |

**Across The Country...**

|                          |                      |     |
|--------------------------|----------------------|-----|
| Highest Mean Temperature | Roberval (QUÉ)       | 15  |
| Lowest Mean Temperature  | Shepherd Bay A (NWT) | -40 |



CLIMATIC PERSPECTIVES  
VOLUME 13

Managing Editor . . . . . **Bruce Findlay**  
Editor-in-charge  
- weekly/monthly . . . . . **Andy Radomski**  
French version . . . . . **Alain Caillet**  
Data Manager . . . . . **M. Skarpathiotakis**  
Computer support . . . . . **Robert Eals**  
Art Set-up . . . . . **K. Czaja**  
Translation . . . . . **D. Pokorn**

ISBN 0225-5707 UDC 551.506.1(71)

Climatic Perspectives is a weekly publication (disponible aussi en français) of the Canadian Climate Centre, Atmospheric Environment Service, 4905 Dufferin St., Downsview, Ontario, Canada M3H 5T4

☎ (416) 739-4438/4330

The purpose of the publication is to make topical information available to the public concerning the Canadian Climate and its socio-economic impact.

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.

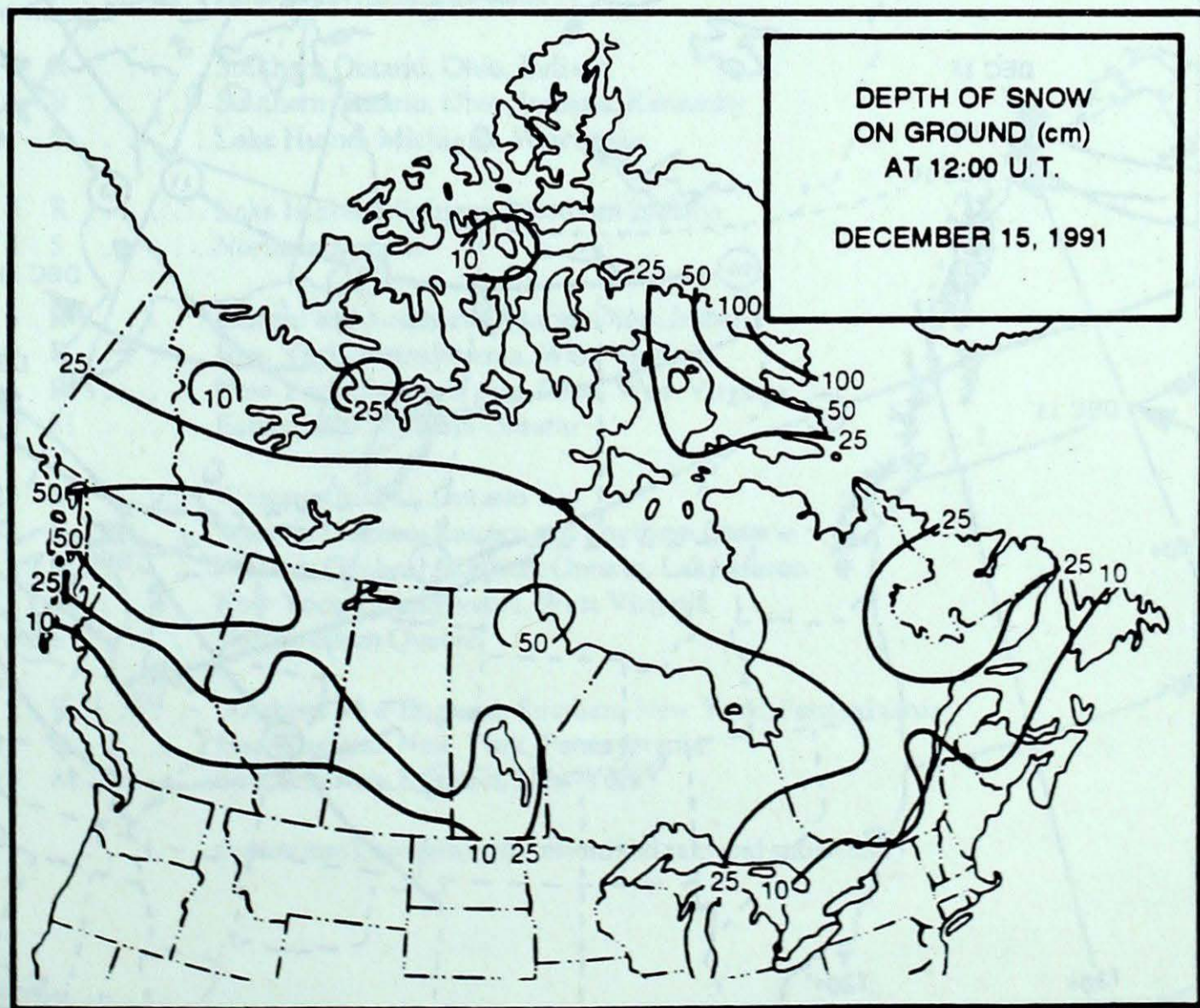
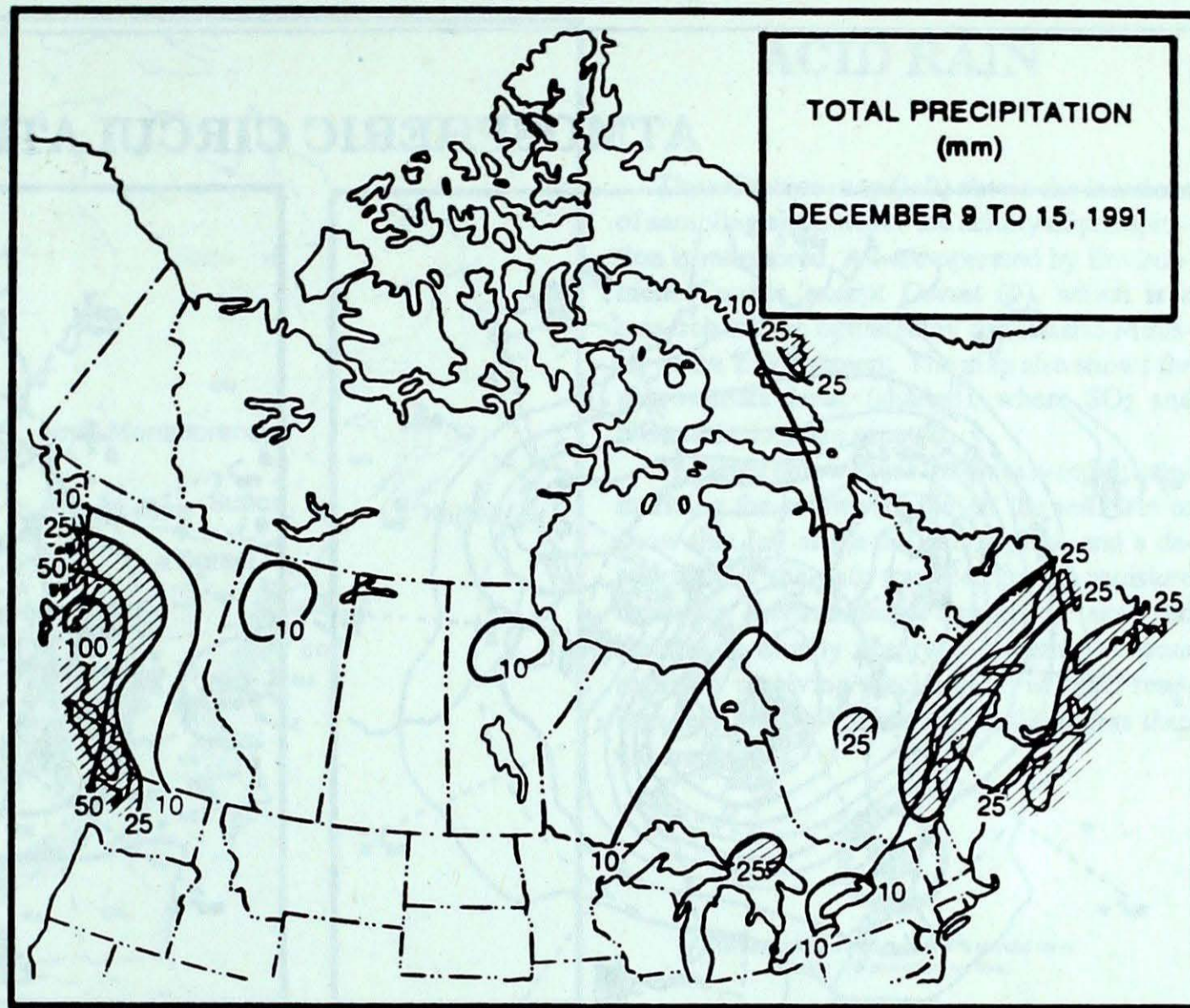
Annual Subscriptions

weekly and monthly : . . . . . \$35.00  
foreign: . . . . . \$42.00  
monthly issue: . . . . . \$10.00  
foreign: . . . . . \$12.00

Orders must be prepaid by money order or cheque payable to Receiver General for Canada. Canadian Government Publishing Centre, Ottawa, Ontario, Canada K1A 0S9

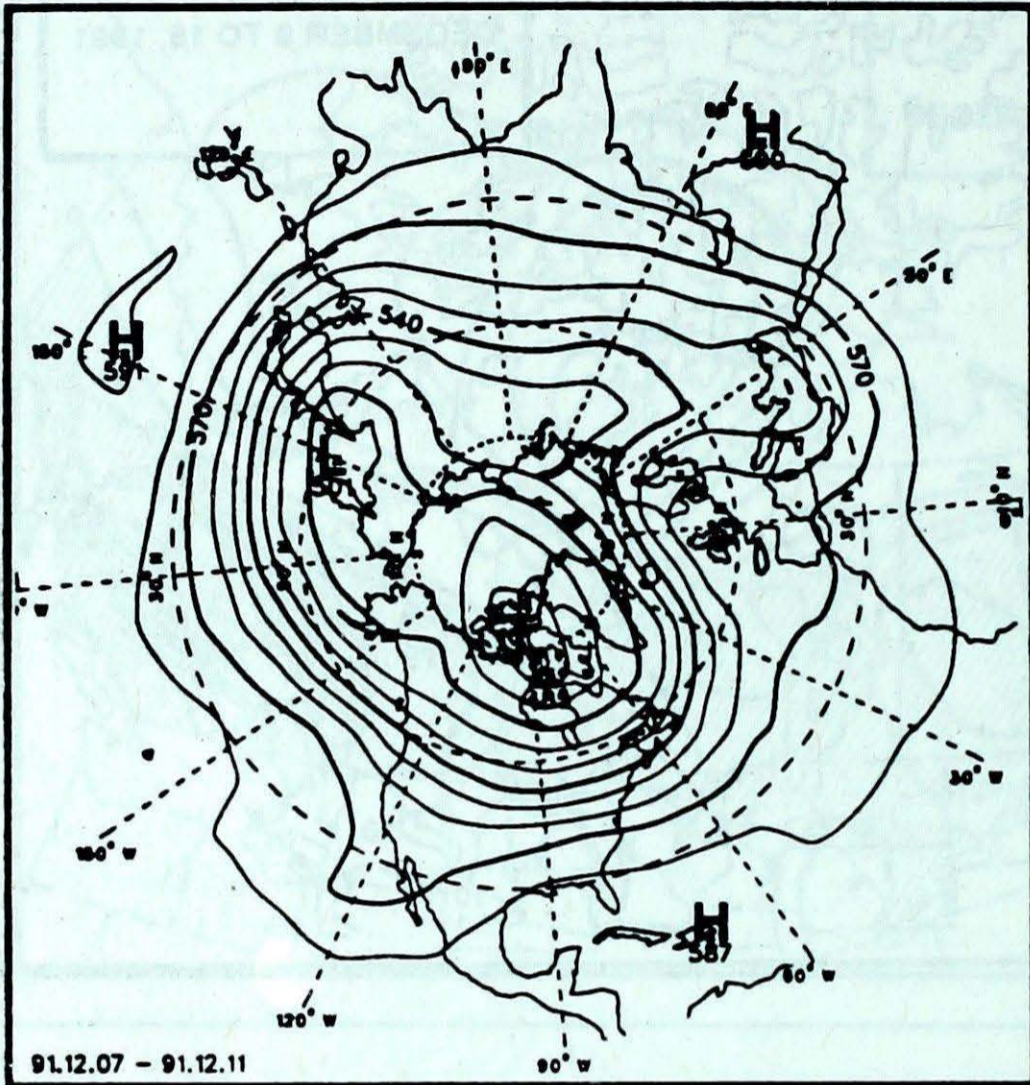
☎ (819) 997-2560

We would like to thank Joan Badger and Krystyna Czaja for their cartographic assistance in ensuring that this week's publication went to press on time.

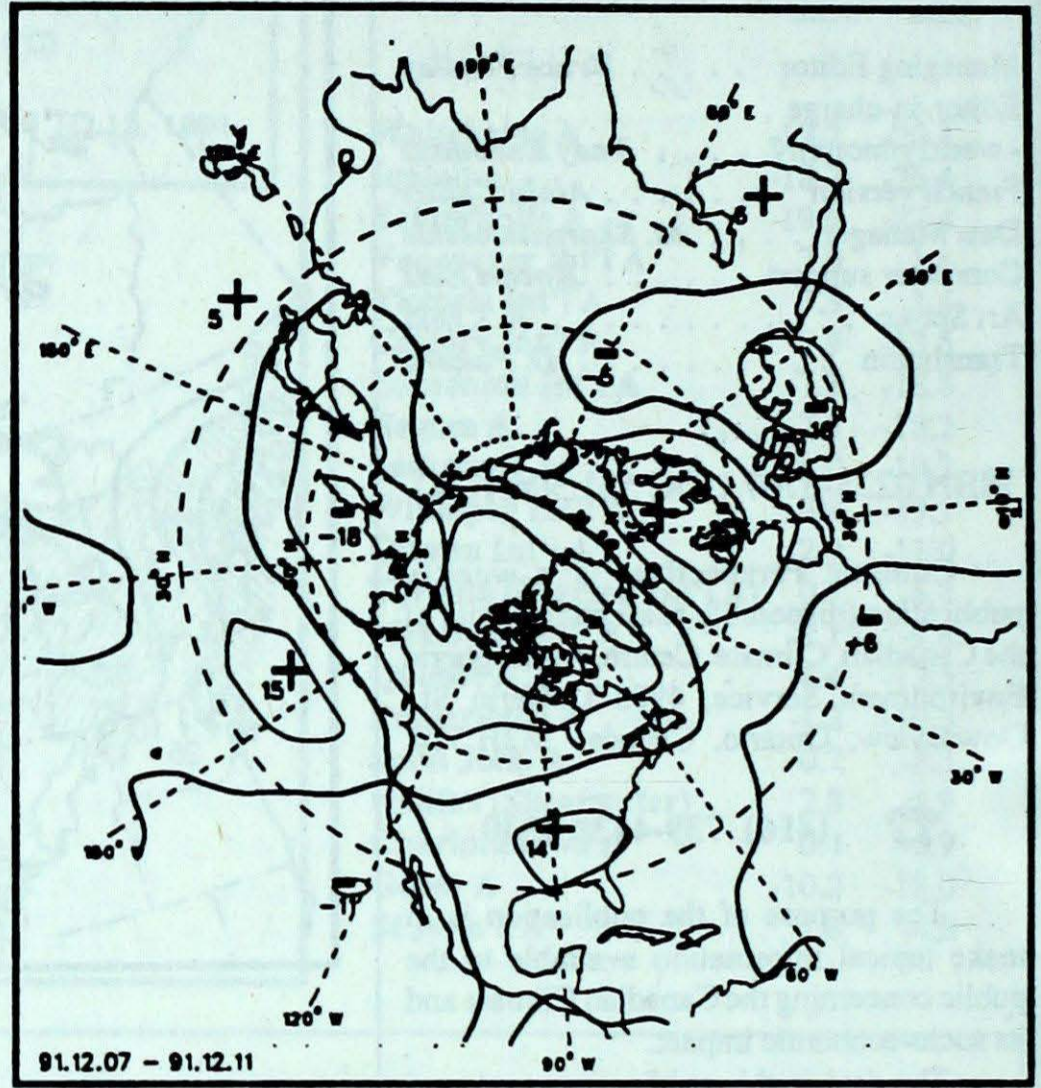




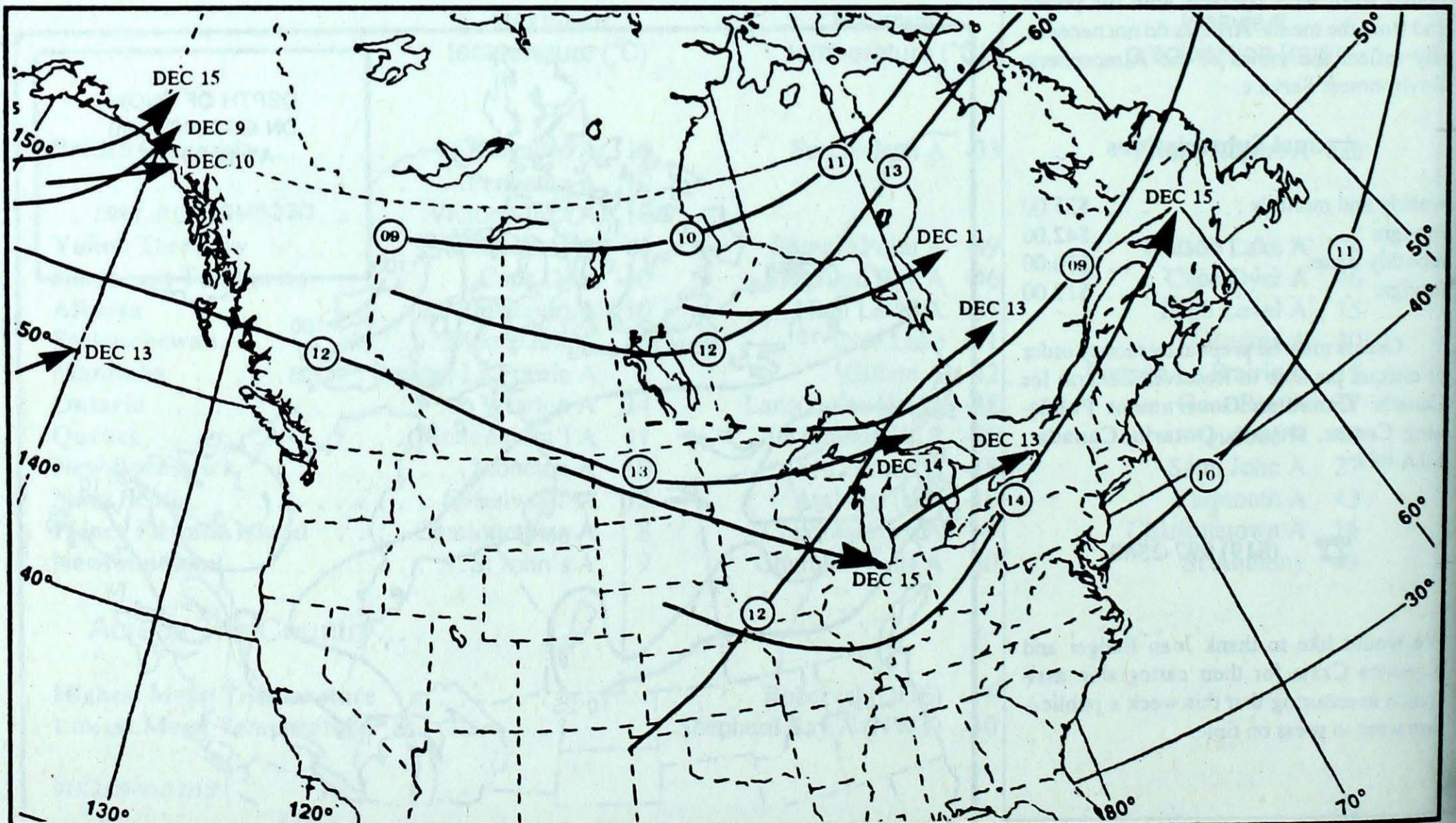
### ATMOSPHERIC CIRCULATION



Mean geopotential height  
50-kPa level (10-decametre intervals)



Mean geopotential height anomaly  
50-kPa level (10-decametre intervals)



Tracks of low pressure centres at 12:00 U.T. each day during the period.



## ACID RAIN

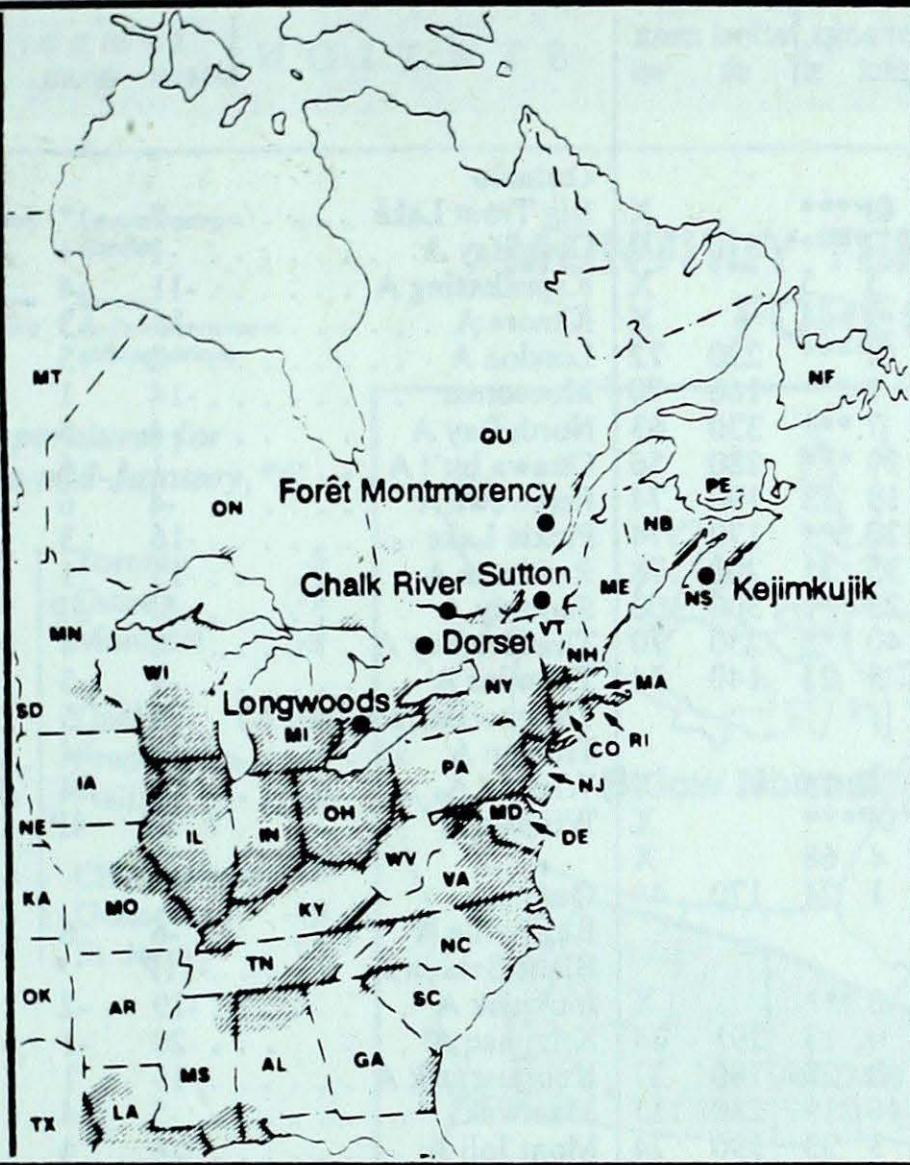
The reference map (left) shows the locations of sampling sites, where the acidity of precipitation is monitored. All are operated by Environment Canada except Dorset (\*), which is a research station operated by the Ontario Ministry of the Environment. The map also shows the approximate areas (shaded), where SO<sub>2</sub> and NO<sub>x</sub> 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.



This paper contains a minimum of 50% recycled fibres including 10% post-consumer fibres.

- ALABAMA -- AL
- ARKANSAS -- AR
- CONNECTICUT -- CO
- DELAWARE -- DE
- FLORIDA -- FL
- GEORGIA -- GA
- ILLINOIS -- IL
- INDIANA -- IN
- IOWA -- IA
- KANSAS -- KA
- KENTUCKY -- KY
- LOUISIANA -- LA
- MAINE -- ME
- MANITOBA -- MT
- MARYLAND -- MD
- MASSACHUSETTS -- MA
- MICHIGAN -- MI
- MINNESOTA -- MN
- MISSISSIPPI -- MS
- MISSOURI -- MO
- NEBRASKA -- NE
- NEW BRUNSWICK -- NB
- NEWFOUNDLAND -- NF
- NEW HAMPSHIRE -- NH
- NEW JERSEY -- NJ
- NEW YORK -- NY
- NORTH CAROLINA -- NC
- NORTH DAKOTA -- ND
- NOVA SCOTIA -- NS
- OHIO -- OH
- OKLAHOMA -- OK
- ONTARIO -- ON
- PENNSYLVANIA -- PA
- PRINCE EDWARD ISLAND -- PE
- QUÉBEC -- QU
- RHODE ISLAND -- RI
- SOUTH CAROLINA -- SC
- SOUTH DAKOTA -- SD
- TENNESSEE -- TN
- TEXAS -- TX
- VERMONT -- VT
- VIRGINIA -- VA
- WEST VIRGINIA -- WV
- WISCONSIN -- WI



| Site | day | pH | amount | air path to site |
|------|-----|----|--------|------------------|
|------|-----|----|--------|------------------|

December 8 to 14, 1991

|             |    |     |      |   |
|-------------|----|-----|------|---|
| Longwoods   |    |     |      | ..... Data not available this week                          |
| Dorset*     | 08 | 4.2 | 8 R  | ..... Southern Ontario, Ohio, Indiana                       |
|             | 12 | 4.1 | 16 R | ..... Southern Ontario, Ohio, Indiana, Kentucky             |
|             | 12 | 4.5 | 11 S | ..... Lake Huron, Michigan, Wisconsin                       |
| Chalk River | 08 | 3.9 | 4 R  | ..... Lake Huron, Michigan, Northern Indiana                |
|             | 14 | 4.4 | 4 S  | ..... Northern Ontario                                      |
| Sutton      | 08 | 4.0 | 6 R  | ..... Eastern and Southern Ontario, Ohio, Indiana           |
|             | 12 | 4.1 | 9 R  | ..... New York, Pennsylvania, West Virginia                 |
|             | 13 | 4.1 | 3 R  | ..... New York, Pennsylvania, Ohio, West Virginia           |
|             | 14 | 4.2 | 10 M | ..... Eastern and Southern Ontario                          |
| Montmorency | 08 | 4.4 | 24 M | ..... Western Quebec, Ontario                               |
|             | 10 | 4.2 | 4 S  | ..... Western Quebec, Eastern and Southern Ontario          |
|             | 11 | 4.3 | 2 S  | ..... Western Quebec, Northern Ontario, Lake Huron          |
|             | 12 | 4.3 | 13 M | ..... New York, Pennsylvania, West Virginia                 |
|             | 14 | 5.0 | 9 S  | ..... Northwestern Quebec                                   |
| Kejimikujik | 09 | 3.7 | 2 R  | ..... Southern New England, Southern New York, Pennsylvania |
|             | 13 | 4.2 | 11 R | ..... New England, New York, Pennsylvania                   |
|             | 14 | 4.3 | 19 M | ..... Southern New England, New York                        |

..... r=rain(mm), s=snow(cm), m=mixed rain and snow(mm)



| STATION                      | temperature |      |      |      | precip. |     | wind max |     | STATION                          | temperature |      |     |       | precip. |     | wind max |     |
|------------------------------|-------------|------|------|------|---------|-----|----------|-----|----------------------------------|-------------|------|-----|-------|---------|-----|----------|-----|
|                              | mean        | anom | max  | min  | ptot    | st  | dir      | vel |                                  | mean        | anom | max | min   | ptot    | st  | dir      | vel |
| <b>British Columbia</b>      |             |      |      |      |         |     |          |     | <b>Ontario</b>                   |             |      |     |       |         |     |          |     |
| Blue River A                 | -4P         | 4P   | 5P   | -11P | 0P***   |     |          | X   | Big Trout Lake                   | *           | *    | -1  | *     | *       | 24  | 300      | 52  |
| Cape St James                | 7P          | 1P   | 9P   | 4P   | 21P***  | 310 | 109      |     | Gore Bay A                       | -1          | 4    | 9   | -17   | 37      | 11  | 180      | 89  |
| Cranbrook A                  | -5          | 1    | 5    | -17  | 5       | 5   |          | X   | Kapuskasing A                    | -11         | 4    | 2   | -30   | 17      | 57  | 270      | 46  |
| Fort Nelson A                | -21         | 0    | 1    | -33  | 1       | 64  |          | X   | Kenora A                         | -11         | 3    | 1   | -30   | 7       | 31  | 300      | 44  |
| Fort St John A               | -4P         | 9P   | 5P   | -16P | 0P***   | 220 | 72       |     | London A                         | 2           | 5    | 13  | -8    | 16      | 1   | 270      | 93  |
| Kamloops A                   | 0           | 3    | 10   | -8   | 2       | *** | 160      | 70  | Moosonee                         | -14         | 1    | 2   | -34   | 10      | 40  | 270      | 56  |
| Penticton A                  | 1           | 1    | 10   | -9   | 7       | *** | 330      | 63  | North Bay A                      | -4          | 5    | 8   | -21   | 21      | 11  | 140      | 44  |
| Port Hardy A                 | 4           | 0    | 8    | -1   | 99      | *** | 280      | 56  | Ottawa Int'l A                   | -1          | 6    | 10  | -15   | 17      | 14  | 200      | 56  |
| Prince George A              | -3          | 4    | 3    | -14  | 13      | 13  | 190      | 74  | Petawawa A                       | -4          | 6    | 9   | -18   | 10      | 7   | 310      | 46  |
| Prince Rupert A              | 4           | 2    | 10   | 0    | 120     | *** | 170      | 74  | Pickle Lake                      | -16         | 3    | 0   | -30   | 4       | 28  | 210      | 33  |
| Smithers A                   | -4          | 3    | 9    | -12  | 35      | 31  | 200      | 78  | Red Lake A                       | -15         | 1    | 0   | -32   | 8       | 29  | 290      | 41  |
| Vancouver Int'l A            | 4           | -1   | 9    | -5   | 22      | *** | 300      | 100 | Sudbury A                        | -5P         | 5P   | 6P  | -22P  | 18P     | 8   | 180      | 52  |
| Victoria Int'l A             | 4           | -1   | 10   | -3   | 40      | *** | 250      | 70  | Thunder Bay A                    | -8          | 4    | 6   | -25   | 11      | 35  | 080      | 44  |
| Williams Lake A              | -6          | 0    | 2    | -18  | 5       | 21  | 140      | 54  | Timmings A                       | -9          | 5    | 2   | -27   | 14      | 21  | 191      | 44  |
| <b>Yukon Territory</b>       |             |      |      |      |         |     |          |     | <b>Toronto (Pearson Int'l A)</b> |             |      |     |       |         |     |          |     |
| Komakuk Beach A              | -27P        | -4P  | -11P | -38P | 0P      | 14  |          | X   | Trenton A                        | 0           | 4    | 12  | -11   | 9       | 3   | 240      | 93  |
| Teslin (aut)                 | -15P        | *    | -1P  | -29P | 0P***   |     |          | X   | Warton A                         | 0           | 4    | 14  | -12   | 16      | 3   | 250      | 74  |
| Watson Lake A                | -24         | -1   | -15  | -37  | 4       | 68  |          | X   | Windsor A                        | 2P          | 4P   | 13P | -10P  | 4P      | 1   | 270      | 72  |
| Whitehorse A                 | -15         | 1    | 1    | -33  | 1       | 24  | 170      | 44  | <b>Québec</b>                    |             |      |     |       |         |     |          |     |
| <b>Northwest Territories</b> |             |      |      |      |         |     |          |     | Bagotville A                     |             |      |     |       |         |     |          |     |
| Alert                        | -34         | -3   | -29  | -38  | 0       | *** |          | X   | Blanc Sablon A                   | -11P        | *    | 2P  | -25P  | 38P     | 11  | 340      | 87  |
| Baker Lake A                 | -38         | -11  | -33  | -44  | 0       | 13  | 291      | 44  | Inukjuak A                       | -19         | -2   | -9  | -28   | 4       | 8   | 020      | 59  |
| Cambridge Bay A              | -35         | -7   | -22  | -41  | 0       | 20  | 180      | 37  | Kuujuuaq A                       | -20         | -1   | -6  | -29   | 11      | 15  | 280      | 63  |
| Cape Dyer A                  | -21         | 0    | -10  | -35  | 46      | 219 | 280      | 115 | Kuujuarapik A                    | -15         | 1    | -1  | -26   | 11      | 16  | 250      | 78  |
| Clyde A                      | -28         | -4   | -20  | -35  | 3       | 33  | 190      | 74  | Maniwaki                         | -5          | 4    | 9   | -20   | 11      | 10  | 180      | 41  |
| Coppermine A                 | -31         | -2   | -17  | -40  | 0       | 21  | 210      | 70  | Mont Joli A                      | -4          | 4    | 8   | -16   | 22      | 10  | 170      | 78  |
| Coral Harbour A              | -35         | -9   | -27  | -41  | 0       | 19  | 330      | 52  | Montréal Int'l A                 | -1          | 5    | 11  | -16   | 18      | 5   | 230      | 69  |
| Eureka                       | -38         | -2   | -28  | -43  | 0       | 16  |          | X   | Natashquan A                     | -10         | 0    | 2   | -25   | 31      | 10  | 170      | 65  |
| Fort Smith A                 | -25         | -4   | -8   | -36  | 4       | 46  | 160      | 44  | Québec A                         | -4          | 5    | 5   | -14   | 40      | 14  | 270      | 41  |
| Hall Beach A                 | -36         | -8   | -29  | -41  | 0       | 16  | 320      | 44  | Schefferville A                  | -19         | 1    | 0   | -30   | 14      | 41  | 280      | 78  |
| Inuvik A                     | -31         | -4   | -11  | -41  | 0       | 23  | 180      | 46  | Sept-Îles A                      | -9          | 2    | 2   | -21   | 38      | 33  | 350      | 46  |
| Iqaluit A                    | -25         | -2   | -13  | -41  | 7       | 15  | 321      | 89  | Sherbrooke A                     | -2          | 5    | 9   | -15   | 23      | 6   | 250      | 67  |
| Mould Bay A                  | -33         | -2   | -22  | -45  | 1       | 15  |          | X   | Val-d'Or A                       | -8          | 5    | 5   | -22   | 19      | 15  | 200      | 48  |
| Norman Wells A               | -30         | -4   | -18  | -42  | 2       | 6   | 290      | 52  | <b>New Brunswick</b>             |             |      |     |       |         |     |          |     |
| Resolute A                   | -32         | -3   | -23  | -39  | 0       | 6   | 190      | 56  | Chatham A                        | *           | *    | *   | *     | *       | *** |          | X   |
| Yellowknife A                | -28         | -5   | -14  | -35  | 5       | 31  | 320      | 59  | Fredericton A                    | -2          | 4    | 9   | -14   | 16      | 1   | 190      | 54  |
| <b>Alberta</b>               |             |      |      |      |         |     |          |     | Miscou Island (aut)              |             |      |     |       |         |     |          |     |
| Calgary Int'l A              | -2          | 5    | 9    | -15  | 1       | 1   | 270      | 93  | Moncton A                        | -1          | 4    | 10  | -12   | 16      | *** | 270      | 65  |
| Cold Lake A                  | -11         | 3    | 5    | -27  | 5       | 16  | 340      | 46  | Saint John A                     | 0           | 4    | 9   | -11   | 27      | *** | 200      | 61  |
| Edmonton Namao A             | -5          | 7    | 6    | -15  | 2       | 15  | 310      | 52  | <b>Nova Scotia</b>               |             |      |     |       |         |     |          |     |
| Fort McMurray A              | -16         | 1    | 2    | -33  | 6       | 31  | 270      | 50  | Greenwood A                      | 2           | 3    | 12  | -6    | 29      | *** | 280      | 70  |
| High Level A                 | -23         | 0    | 1    | -37  | 15      | 45  | 270      | 46  | Shearwater A                     | 3           | 4    | 10  | -6    | 35      | *** | 200      | 61  |
| Jasper                       | -4          | 4    | 4    | -15  | 7       | 22  |          | X   | Sydney A                         | 1           | 3    | 9   | -5    | 35      | *** | 190      | 91  |
| Lethbridge A                 | -1          | 4    | 8    | -11  | 1       | 1   | 250      | 63  | Yarmouth A                       | 4           | 3    | 11  | -7    | 43      | *** | 280      | 61  |
| Medicine Hat A               | -2          | 5    | 9    | -10  | 2       | 1   | 240      | 65  | <b>Prince Edward Island</b>      |             |      |     |       |         |     |          |     |
| Peace River A                | -11         | 4    | 5    | -26  | 4       | 53  | 270      | 76  | Charlottetown A                  | 0           | 3    | 8   | -9    | 16      | 1   | 280      | 61  |
| <b>Saskatchewan</b>          |             |      |      |      |         |     |          |     | East Point (auto)                |             |      |     |       |         |     |          |     |
| Cree Lake                    | -24         | 0    | -6   | -41  | 6       | 31  | 320      | 32  | 1P                               | *           | 8P   | -6P | 0P*** |         |     |          |     |
| Estevan A                    | -7          | 4    | 4    | -25  | 8       | 5   | 300      | 87  | <b>Newfoundland</b>              |             |      |     |       |         |     |          |     |
| La Ronge A                   | -18         | 1    | -1   | -34  | 6       | 40  | 260      | 50  | Cartwright                       | -11         | -1   | 0   | -22   | 15      | 44  | 320      | 82  |
| Regina A                     | -9          | 4    | 3    | -24  | 10      | 14  | 290      | 70  | Churchill Falls A                | -17         | 4    | 0   | -30   | 22      | 55  | 270      | 61  |
| Saskatoon A                  | -10         | 4    | -1   | -23  | 5       | 25  | 300      | 52  | Gander Int'l A                   | -3P         | 1P   | 6P  | -17P  | 6P      | 1   | 230      | 85  |
| Swift Current A              | -6          | 4    | 4    | -15  | 2       | 5   | 180      | 52  | Goose A                          | -14         | 0    | 1   | -29   | 13      | 38  | 280      | 69  |
| Yorkton A                    | -12         | 3    | -1   | -32  | 9       | 46  | 310      | 46  | Port Aux Basques                 | *           | *    | 6   | *     | *       | 1   | 290      | 91  |
| <b>Manitoba</b>              |             |      |      |      |         |     |          |     | St John's A                      |             |      |     |       |         |     |          |     |
| Brandon A                    | -12         | 3    | 1    | -34  | 12      | 21  | 040      | 65  | St Lawrence                      | 0           | 1    | 7   | -14   | 48      | *** |          | X   |
| Churchill A                  | -30         | -8   | -18  | -41  | 4       | 59  | 350      | 39  | Wabush Lake A                    | -16P        | 5P   | 1P  | -29P  | 16P     | 39  | 180      | 56  |
| Lynn Lake A                  | -27P        | -2P  | -12P | -41P | 6P      | 40  | 320      | 37  | 91/12/09-91/12/15                |             |      |     |       |         |     |          |     |
| The Pas A                    | -19         | -1   | -2   | -34  | 2       | 25  | 280      | 54  |                                  |             |      |     |       |         |     |          |     |
| Thompson A                   | -27         | -4   | -12  | -41  | 14      | 32  | 310      | 39  |                                  |             |      |     |       |         |     |          |     |
| Winnipeg Int'l A             | -11         | 3    | 1    | -31  | 10      | 24  | 030      | 78  |                                  |             |      |     |       |         |     |          |     |

mean = mean weekly temperature, °C  
 max = maximum weekly temperature, °C  
 min = minimum weekly temperature, °C  
 anom = mean temperature anomaly, °C

ptot = weekly precipitation total in mm  
 st = snow thickness on the ground in cm  
 dir = direction of max wind, deg. from north.  
 vel = wind speed in km/h

— Annotations —  
 X = no observation  
 P = less than 7 days of data  
 \* = missing data when going to printing.





Environnement  
Canada

Environnement  
Canada

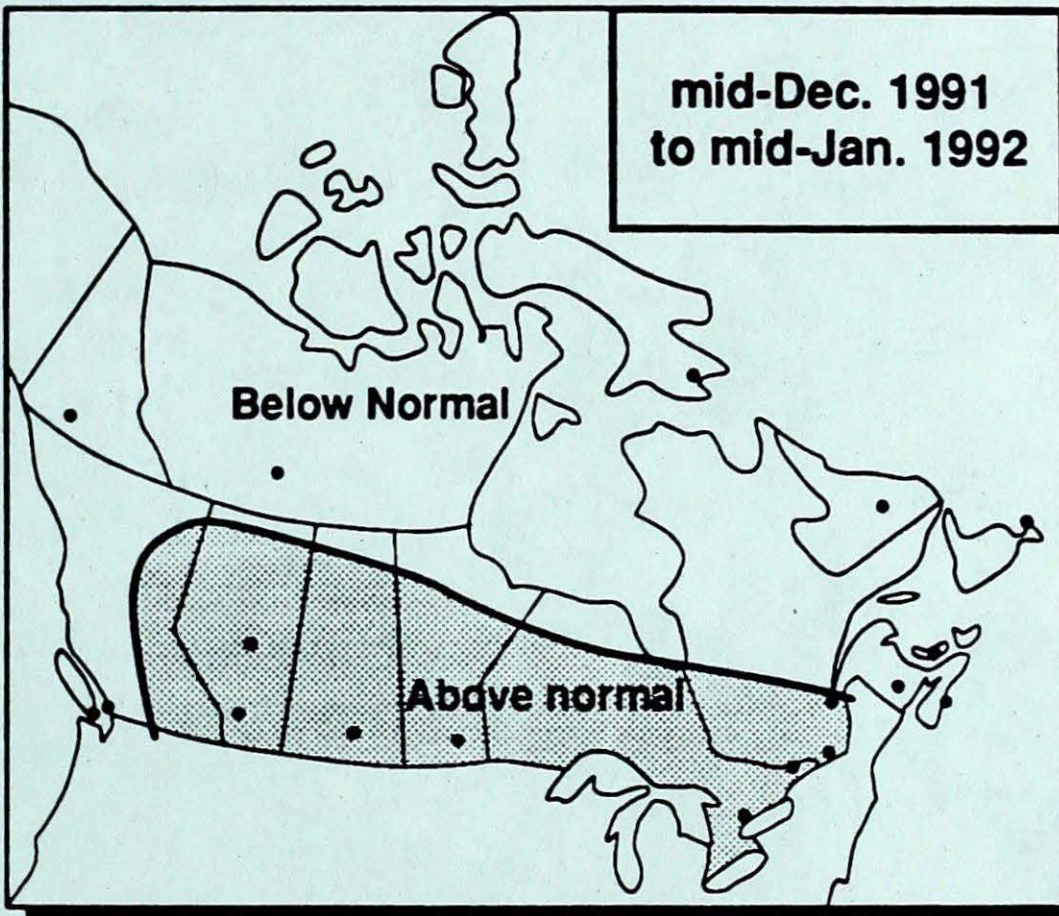
Atmospheric  
Environment  
Service

Service  
de l'environnement  
atmosphérique

# MONTHLY TEMPERATURE FORECAST

*Normal temperatures for  
mid-December to mid-January, °C*

|             |     |               |     |
|-------------|-----|---------------|-----|
| Whitehorse  | -19 | Toronto       | -5  |
| Yellowknife | -26 | Ottawa        | -9  |
| Iqaluit     | -24 | Montréal      | -9  |
| Vancouver   | 3   | Québec        | -11 |
| Victoria    | 4   | Fredericton   | -8  |
| Calgary     | -10 | Halifax       | -3  |
| Edmonton    | -14 | Charlottetown | -6  |
| Regina      | -15 | Goose Bay     | -15 |
| Winnipeg    | -17 | St. John's    | -3  |



# Canada





ENV. CAN. LIBR. BIB. DOWNSVIEW  
  
2000034681

**ACCO** TM/INC

|           |       |           |
|-----------|-------|-----------|
| YELLOW    | 25970 | JAUNE     |
| BLACK     | 25971 | NOIR      |
| BLUE      | 25972 | BLEU      |
| RL BLUE   | 25973 | BLEU RL   |
| GREY      | 25974 | GRIS      |
| GREEN     | 25975 | VERT      |
| TANGERINE | 25977 | TANGERINE |
| RED       | 25978 | ROUGE     |
| EX RED    | 25979 | ROUGE EX  |

MADE IN CANADA BY/FABRIQUE AU CANADA PAR  
ACCO CANADIAN COMPANY LIMITED  
COMPAGNIE CANADIENNE ACCO LIMITEE  
TORONTO CANADA