# Environment Canada Imaging Cover Page

Report N.: 


SKP Box Number: 672572447

# AVERAGE SOIL TEMPERATURE

The first installations in a Meteorological Branch soil temperature network were made in 1958. Twice daily values of the observations at all sites for all levels have been published, since January, 1961, in the Monthly Record of Meteorological Observations in Canada. Similar data for 1959-60 have been published jointly by the Research Branch of the Canada Department of Agriculture and the Meteorological Branch of the Department of Transport under the title "Soil Temperature Records at Eight Localities in Canada 1959-60".

A general description of the network is available from the Meteorological Branch in publication DS #7-64, "Soil Temperature Network". A description of the instruments and their installation will be found in Meteorological Branch Circular 3545, INS-102, 17 Oct. 1961.

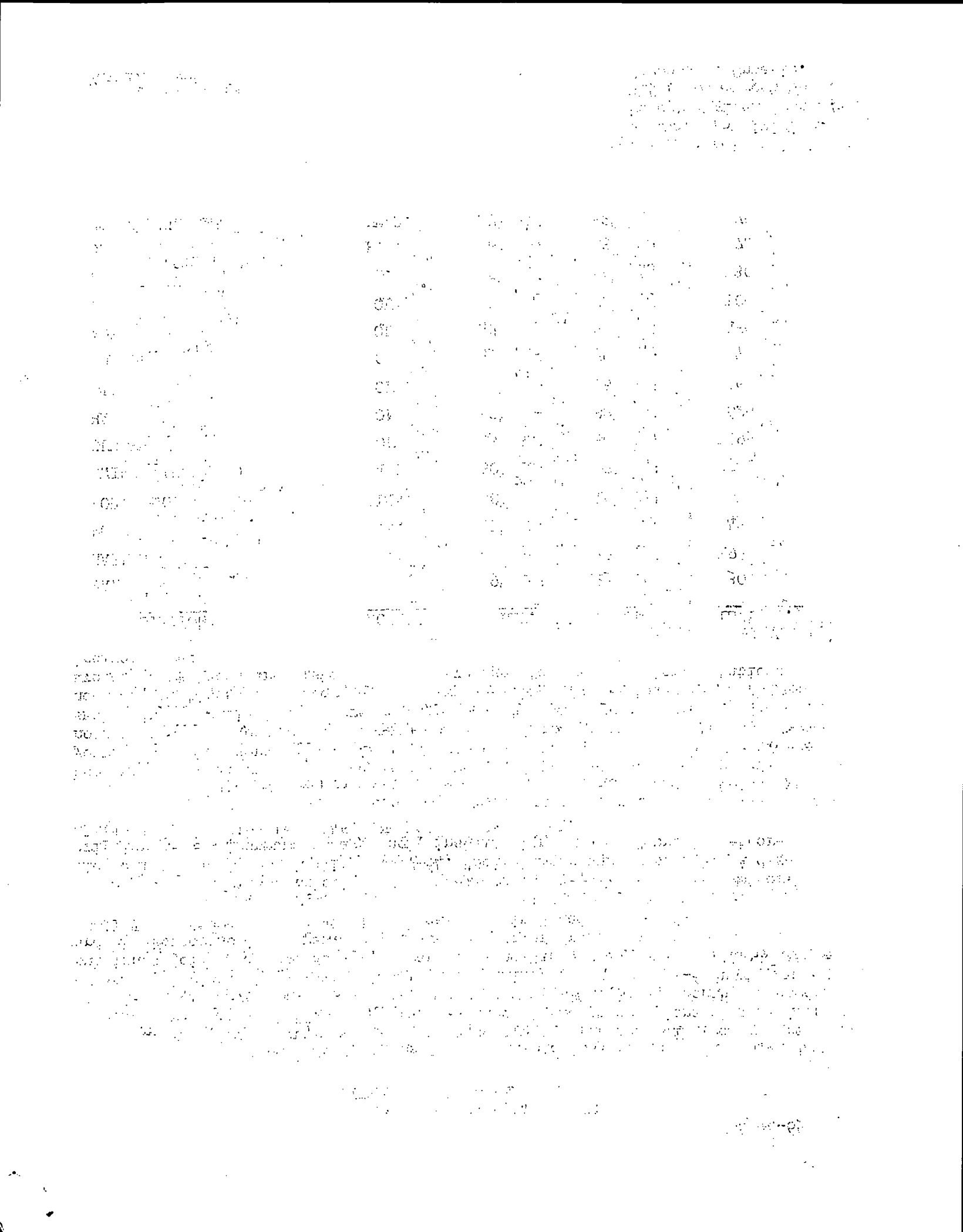
In the average values which follow data for the period 1960-64 have been used. No averages are included where the data were for less than two years. Monthly averages are listed for both the early morning and late afternoon readings of temperature at the 1 cm. and 10 cm. levels but, due to the small diurnal variations at greater depths, only the averages for the afternoon observations are listed for the lower levels. The periods on which the averages are based are listed with the averages for each station. Stations included are:

| STATION | PROVINCE | LAT. | LONG. | ELEV.(ft.) |
|---|---|---|---|---|
| VANCOUVER UBC | B.C. | 49° 16' | 123° 15' | 305 |
| HAINES JUNCTION | Y.T. | 60° 46' | 137° 35' | 1960 |
| FORT SIMPSON CDA | N.W.T. | 61° 52' | 121° 21' | 430 |
| FORT VERMILION CDA | ALTA. | 58° 23' | 116° 03' | 915 |
| SWIFT CURRENT CDA | SASK. | 50° 16' | 107° 44' | 2707 |
| GUELPH OAC | ONT. | 43° 32' | 80° 15' | 1095 |
| HARROW CDA | ONT. | 42° 02' | 82° 53' | 626 |
| OTTAWA CDA | ONT. | 45° 24' | 75° 43' | 260 |
| TORONTO | ONT. | 43° 40' | 79° 24' | 379 |
| NORMANDIN CDA | QUE. | 48° 51' | 72° 32' | 450 |
| LA POCATIERE CDA | QUE. | 47° 21' | 70° 02' | 100 |
| FREDERICTON CDA | N.B. | 45° 55' | 66° 37' | 130 |
| CHARLOTTETOWN CDA | P.E.I. | 46° 15' | 63° 08' | 74 |
| ST. JOHN'S WEST CDA | NFLD. | 47° 31' | 52° 47' | 375 |



May 12, 1965.

Climatology Division,
Meteorological Branch,
315 Bloor Street West,
Toronto 5, Ontario.



# AVERAGE SOIL TEMPERATURE (°F)

## VANCOUVER UBC

PERIOD OCTOBER 1960 - DECEMBER 1964

| DEPTH | | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 cm. | a.m. | 37.8 | 40.4 | 41.6 | 48.8 | 55.5 | 62.7 | 65.2 | 64.8 | 59.4 | 52.1 | 42.7 | 38.5 |
| 1 cm. | p.m. | 39.6 | 44.4 | 47.2 | 56.9 | 65.2 | 73.8 | 76.8 | 74.8 | 66.4 | 56.2 | 45.4 | 40.0 |
| 10 cm. | a.m. | 39.5 | 42.0 | 42.9 | 50.3 | 56.8 | 64.1 | 66.9 | 67.1 | 61.8 | 54.1 | 44.8 | 40.1 |
| 10 cm. | p.m. | 39.8 | 42.9 | 45.3 | 52.6 | 58.9 | 66.4 | 69.1 | 68.6 | 63.1 | 55.1 | 45.6 | 40.5 |
| 20 cm. | p.m. | 40.3 | 42.6 | 44.2 | 50.7 | 56.7 | 63.9 | 66.7 | 67.1 | 62.4 | 55.1 | 46.3 | 41.2 |
| 50 cm. | p.m. | 42.7 | 43.6 | 45.8 | 49.9 | 55.0 | 61.4 | 64.5 | 65.8 | 62.7 | 56.6 | 49.3 | 44.1 |
| *100 cm. | p.m. | 46.2 | 45.4 | 45.6 | 48.9 | 52.8 | 57.8 | 61.3 | 63.6 | 63.0 | 58.0 | 52.3 | 47.4 |
| 150 cm. | p.m. | 47.6 | 46.5 | 46.3 | 48.5 | 51.5 | 55.6 | 58.9 | 61.3 | 61.4 | 58.7 | 54.3 | 49.9 |

* data for 100 cm. level missing for the period October to December, 1963.

## HAINES JUNCTION

PERIOD SEPTEMBER 1962 - DECEMBER 1964

| DEPTH | | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 cm. | a.m. | 22.9 | 24.3 | 24.5 | 29.8 | 38.8 | 51.4 | 55.3 | 51.9 | 42.7 | 34.3 | 26.1 | 22.4 |
| 1 cm. | p.m. | 22.9 | 24.3 | 24.5 | 30.2 | 44.4 | 57.6 | 61.7 | 59.2 | 48.3 | 36.1 | 26.1 | 22.5 |
| 10 cm. | a.m. | 23.5 | 24.7 | 24.7 | 29.6 | 36.7 | 48.6 | 53.3 | 51.5 | 43.2 | 35.2 | 27.0 | 23.1 |
| 10 cm. | p.m. | 23.4 | 24.7 | 24.7 | 29.8 | 39.5 | 52.6 | 57.5 | 55.4 | 46.0 | 35.8 | 26.8 | 23.1 |
| 20 cm. | p.m. | 24.8 | 25.5 | 25.9 | 29.6 | 36.0 | 47.5 | 52.8 | 52.3 | 44.8 | 36.6 | 29.4 | 24.9 |
| 50 cm. | p.m. | 28.5 | 28.0 | 28.1 | 30.0 | 32.5 | 41.7 | 48.2 | 49.3 | 44.2 | 38.2 | 32.8 | 29.3 |
| 100 cm. | p.m. | 31.9 | 31.5 | 31.2 | 31.2 | 31.9 | 34.7 | 42.1 | 44.7 | 42.4 | 39.4 | 35.8 | 33.0 |
| 150 cm. | p.m. | 33.5 | 32.8 | 32.4 | 32.0 | 32.2 | 33.4 | 38.3 | 41.2 | 40.8 | 39.3 | 37.1 | 34.8 |

## FORT SIMPSON CDA

PERIOD JANUARY 1960 - DECEMBER 1964

| DEPTH | | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| * 1 cm. | a.m. | 20.0 | 20.4 | 20.5 | 27.7 | 40.6 | 56.8 | 61.4 | 57.9 | 42.3 | 33.1 | 25.2 | 19.9 |
| * 1 cm. | p.m. | 20.0 | 20.3 | 20.5 | 28.4 | 46.8 | 62.8 | 67.9 | 64.1 | 48.1 | 34.9 | 25.2 | 19.9 |
| * 10 cm. | a.m. | 20.9 | 20.9 | 21.0 | 27.4 | 38.7 | 53.9 | 58.9 | 57.6 | 44.4 | 26.9 | 27.1 | 21.5 |
| * 10 cm. | p.m. | 20.9 | 20.8 | 21.0 | 27.4 | 41.6 | 57.6 | 63.3 | 61.1 | 46.7 | 37.0 | 27.1 | 21.4 |
| * 20 cm. | p.m. | 21.5 | 21.2 | 21.1 | 26.7 | 36.8 | 51.8 | 58.1 | 57.3 | 45.0 | 35.3 | 28.1 | 22.6 |
| * 50 cm. | p.m. | 27.2 | 26.0 | 25.1 | 27.4 | 31.8 | 41.4 | 49.6 | 52.3 | 45.1 | 37.7 | 32.6 | 29.7 |
| *100 cm. | p.m. | 31.4 | 30.7 | 29.8 | 29.5 | 30.8 | 31.9 | 37.1 | 43.4 | 42.3 | 38.1 | 33.9 | 32.2 |
| *150 cm. | p.m. | 32.0 | 32.0 | 31.9 | 31.7 | 31.6 | 31.8 | 32.3 | 36.7 | 38.8 | 37.3 | 34.3 | 32.6 |

* data missing for October and November, 1960.

## FORT VERMILION CDA

PERIOD JANUARY 1960 - DECEMBER 1964.

| DEPTH | | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 cm. | a.m. | 19.6 | 22.0 | 24.0 | 32.5 | 46.3 | 60.7 | 64.1 | 59.7 | 45.9 | 35.9 | 27.9 | 21.3 |
| 1 cm. | p.m. | 19.8 | 22.2 | 24.2 | 36.7 | 57.1 | 74.8 | 76.3 | 71.3 | 54.1 | 40.1 | 28.1 | 21.5 |
| 10 cm. | a.m. | 20.8 | 22.7 | 24.5 | 32.3 | 44.2 | 57.2 | 61.9 | 59.7 | 45.6 | 37.8 | 29.4 | 22.5 |
| 10 cm. | p.m. | 20.8 | 22.8 | 24.6 | 34.3 | 51.5 | 65.8 | 70.2 | 66.8 | 52.3 | 39.9 | 29.4 | 22.7 |
| 20 cm. | p.m. | 22.8 | 24.0 | 25.3 | 32.7 | 46.3 | 59.5 | 64.6 | 63.2 | 50.8 | 39.9 | 31.1 | 24.7 |
| 50 cm. | p.m. | 26.0 | 26.2 | 26.9 | 31.3 | 40.1 | 53.2 | 59.7 | 60.2 | 51.0 | 41.6 | 33.9 | 28.2 |
| 100 cm. | p.m. | 31.0 | 30.1 | 29.9 | 31.1 | 33.3 | 45.0 | 53.7 | 56.4 | 51.4 | 44.5 | 37.7 | 33.6 |
| 150 cm. | p.m. | 33.9 | 32.8 | 32.2 | 32.2 | 32.4 | 39.3 | 48.3 | 52.4 | 48.6 | 45.8 | 40.3 | 36.3 |

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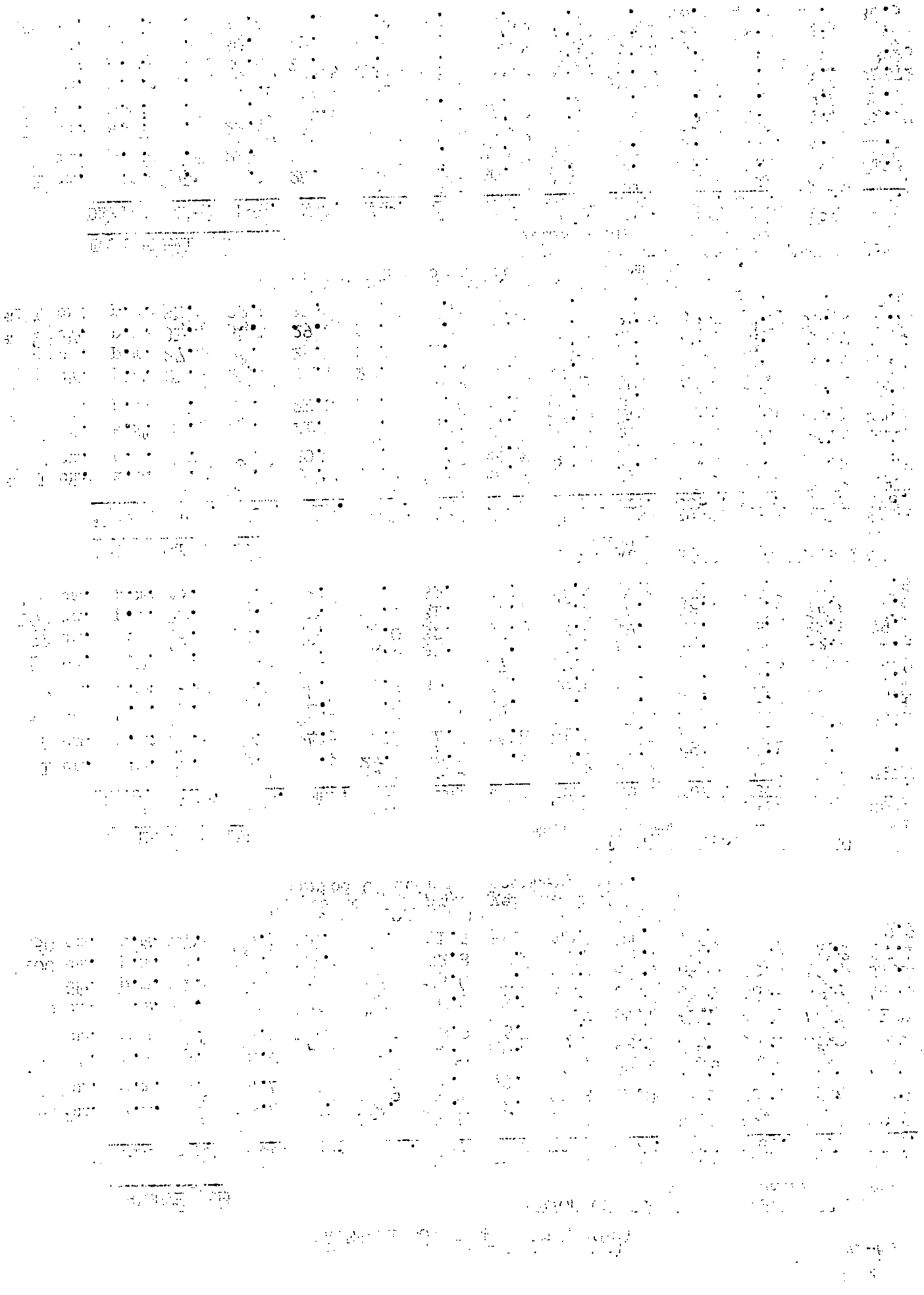

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CDS #4-65

AVERAGE SOIL TEMPERATURE (°F)

SWIFT CURRENT CDA — PERIOD JUNE 1962 - DECEMBER 1964

| DEPTH | | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 cm. | a.m. | 17.3 | 22.9 | 27.1 | 39.6 | 49.5 | 58.7 | 65.5 | 63.5 | 52.9 | 44.5 | 32.1 | 21.4 |
| 10 cm. | p.m. | 17.9 | 24.0 | 28.6 | 45.1 | 57.1 | 67.4 | 74.9 | 71.9 | 59.5 | 49.2 | 33.9 | 21.8 |
| 20 cm. | p.m. | 18.5 | 23.8 | 27.6 | 40.9 | 51.8 | 61.6 | 68.7 | 66.8 | 56.2 | 47.7 | 34.5 | 22.8 |
| 50 cm. | p.m. | 24.7 | 26.2 | 28.9 | 37.9 | 47.6 | 56.8 | 64.0 | 64.4 | 56.7 | 50.1 | 39.5 | 29.0 |
| 100 cm. | p.m. | 31.8 | 30.0 | 30.6 | 34.5 | 42.2 | 49.8 | 56.7 | 59.9 | 56.7 | 52.4 | 45.3 | 36.6 |
| 150 cm. | p.m. | 35.2 | 32.4 | 31.8 | 33.7 | 40.1 | 46.5 | 53.1 | 57.0 | 55.9 | 52.7 | 47.4 | 40.0 |

GUELPH OAC — PERIOD AUGUST 1962 - DECEMBER 1964

| | DEPTH | | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 cm. | a.m. | 28.5 | 26.2 | 31.2 | 39.4 | 52.8 | 61.5 | 66.5 | 62.6 | 55.5 | 47.3 | 40.0 | 32.4 |
| * | 1 cm. | p.m. | 29.3 | 28.3 | 32.4 | 45.0 | 63.5 | 72.4 | 78.3 | 72.6 | 66.9 | 55.0 | 42.6 | 33.5 |
| | 10 cm. | a.m. | 30.0 | 27.6 | 31.2 | 38.7 | 51.7 | 60.6 | 65.9 | 62.6 | 57.0 | 49.2 | 41.4 | 33.8 |
| * | 10 cm. | p.m. | 30.2 | 28.5 | 31.6 | 42.4 | 58.6 | 67.5 | 73.5 | 68.9 | 63.8 | 53.3 | 43.2 | 34.5 |
| * | 20 cm. | p.m. | 31.8 | 29.6 | 31.4 | 39.8 | 53.4 | 61.7 | 67.3 | 64.7 | 60.2 | 51.8 | 43.6 | 35.8 |
| * | 50 cm. | p.m. | 35.0 | 32.4 | 32.6 | 38.2 | 49.9 | 57.5 | 62.8 | 62.2 | 59.8 | 52.8 | 46.0 | 38.5 |
| * | 150 cm. | p.m. | 40.5 | 38.0 | 36.3 | 37.9 | 45.1 | 51.5 | 56.3 | 58.0 | 57.6 | 54.1 | 49.6 | 44.6 |

* data for December, 1963 missing.

HARROW CDA — PERIOD AUGUST 1960 - DECEMBER 1964

| DEPTH | | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 cm. | a.m. | 28.2 | 28.7 | 33.3 | 41.1 | 53.9 | 63.4 | 68.6 | 67.1 | 63.1 | 52.1 | 42.6 | 33.2 |
| 1 cm. | p.m. | 29.5 | 30.4 | 36.3 | 48.4 | 61.8 | 72.0 | 79.1 | 76.0 | 70.1 | 58.8 | 46.0 | 34.1 |
| 10 cm. | a.m. | 30.1 | 29.9 | 34.0 | 42.0 | 54.6 | 64.1 | 69.9 | 69.1 | 65.2 | 55.0 | 45.0 | 35.2 |
| 10 cm. | p.m. | 30.6 | 30.5 | 35.1 | 45.5 | 58.3 | 68.1 | 74.9 | 73.1 | 68.5 | 58.0 | 46.4 | 35.2 |
| 20 cm. | p.m. | 31.4 | 30.6 | 34.0 | 42.8 | 55.1 | 64.6 | 70.8 | 70.3 | 66.7 | 57.1 | 46.7 | 36.6 |
| 50 cm. | p.m. | 34.7 | 32.8 | 34.2 | 41.0 | 52.3 | 61.3 | 67.3 | 68.4 | 66.3 | 58.7 | 49.8 | 40.3 |
| 100 cm. | p.m. | 38.8 | 36.2 | 35.7 | 39.8 | 49.0 | 57.2 | 63.0 | 65.6 | 65.0 | 59.9 | 52.9 | 44.8 |
| 150 cm. | p.m. | 42.2 | 39.2 | 37.6 | 40.0 | 47.1 | 54.2 | 59.8 | 62.9 | 63.3 | 60.0 | 54.7 | 48.0 |

OTTAWA CDA — PERIOD JANUARY 1960 - DECEMBER 1964

| DEPTH | | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 cm. | a.m. | 31.1 | 30.8 | 31.4 | 39.0 | 53.9 | 63.5 | 67.7 | 64.6 | 57.1 | 46.4 | 37.3 | 31.0 |
| 1 cm. | p.m. | 31.1 | 31.4 | 31.8 | 45.7 | 63.2 | 75.2 | 79.3 | 75.8 | 66.4 | 53.6 | 39.8 | 31.6 |
| 10 cm. | a.m. | 32.1 | 31.5 | 31.9 | 39.1 | 53.3 | 62.0 | 66.3 | 64.0 | 58.2 | 48.2 | 39.5 | 32.9 |
| 10 cm. | p.m. | 32.0 | 31.5 | 31.9 | 42.4 | 57.8 | 68.0 | 72.3 | 69.8 | 62.7 | 51.4 | 40.6 | 33.1 |
| 20 cm. | p.m. | 32.6 | 31.9 | 32.1 | 41.1 | 55.3 | 64.7 | 69.1 | 67.2 | 61.0 | 50.9 | 41.3 | 34.0 |
| 50 cm. | p.m. | 35.4 | 34.2 | 33.8 | 39.5 | 51.0 | 59.2 | 63.9 | 63.7 | 60.2 | 52.3 | 43.8 | 37.4 |
| 100 cm. | p.m. | 38.5 | 36.6 | 35.8 | 39.2 | 46.9 | 54.0 | 59.0 | 60.5 | 49.0 | 47.5 | 47.1 | 40.9 |
| 150 cm. | p.m. | 41.0 | 38.9 | 37.5 | 39.8 | 44.7 | 51.1 | 56.0 | 58.5 | 58.0 | 54.1 | 49.2 | 43.7 |

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TORONTO — AVERAGE SOIL TEMPERATURE (°F) PERIOD DECEMBER 1960-DEC.1964

| DEPTH | | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 cm. | a.m. | 27.7 | 27.5 | 33.3 | 41.8 | 54.8 | 64.1 | 69.6 | 66.0 | 60.5 | 51.7 | 42.1 | 33.3 |
| 5 cm. | p.m. | 28.6 | 29.0 | 35.3 | 48.0 | 62.8 | 72.9 | 77.7 | 72.2 | 65.9 | 56.2 | 44.3 | 33.7 |
| 10 cm. | a.m. | 30.4 | 29.6 | 34.1 | 43.1 | 55.9 | 65.0 | 70.7 | 67.5 | 62.6 | 54.1 | 44.5 | 35.6 |
| 10 cm. | p.m. | 30.5 | 29.9 | 34.7 | 45.5 | 57.5 | 66.7 | 72.0 | 68.8 | 63.8 | 54.9 | 45.0 | 35.6 |
| 50 cm. | p.m. | 34.6 | 33.4 | 34.7 | 42.9 | 53.9 | 62.1 | 67.7 | 66.7 | 63.2 | 55.9 | 47.5 | 39.1 |
| 100 cm. | p.m. | 41.5 | 38.6 | 38.4 | 42.5 | 50.0 | 56.7 | 62.1 | 64.0 | 62.8 | 58.2 | 52.7 | 45.9 |
| 150 cm. | p.m. | 44.2 | 41.1 | 40.1 | 42.5 | 48.4 | 54.4 | 59.4 | 62.1 | 61.8 | 58.6 | 54.2 | 48.5 |

NORMANDIN CDA — PERIOD JANUARY 1960 - DECEMBER 1964

| DEPTH | | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 cm. | a.m. | 29.9 | 30.0 | 31.1 | 32.1 | 45.8 | 56.7 | 62.1 | 59.5 | 52.6 | 42.2 | 33.9 | 29.5 |
| 1 cm. | p.m. | 30.0 | 30.0 | 31.0 | 33.1 | 52.1 | 63.7 | 69.0 | 66.0 | 57.6 | 46.0 | 34.5 | 29.8 |
| 10 cm. | a.m. | 31.1 | 30.8 | 31.4 | 32.2 | 41.7 | 54.3 | 60.6 | 59.6 | 54.4 | 45.2 | 36.3 | 31.6 |
| 10 cm. | p.m. | 31.1 | 30.8 | 31.3 | 32.3 | 44.1 | 56.9 | 63.2 | 61.8 | 55.8 | 46.0 | 36.4 | 31.7 |
| * 20 cm. | p.m. | 32.0 | 31.3 | 32.0 | 32.2 | 40.2 | 54.3 | 59.6 | 60.2 | 57.1 | 46.8 | 37.4 | 33.4 |
| 50 cm. | p.m. | 33.2 | 32.6 | 32.4 | 32.7 | 40.1 | 52.0 | 58.5 | 59.0 | 55.3 | 45.6 | 39.1 | 34.4 |
| 100 cm. | p.m. | 35.9 | 34.8 | 34.3 | 33.9 | 37.5 | 46.7 | 53.1 | 55.7 | 54.4 | 49.5 | 42.9 | 38.0 |
| 150 cm. | p.m. | 38.8 | 37.2 | 36.4 | 35.8 | 36.9 | 43.1 | 48.8 | 52.4 | 52.9 | 50.4 | 45.9 | 41.5 |

*data missing for June, 1963 and for the period September, 1963 to December, 1964.

LA POCATIERE CDA — PERIOD JUNE 1962 - DECEMBER 1963

| DEPTH | | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 cm. | a.m. | 27.4 | 26.5 | 28.1 | 33.8 | 46.7 | 58.6 | 62.7 | 60.3 | 53.1 | 44.3 | 34.9 | 28.2 |
| 1 cm. | p.m. | 27.6 | 26.7 | 29.3 | 38.9 | 55.1 | 68.0 | 70.5 | 67.8 | 59.0 | 48.4 | 35.9 | 28.6 |
| 10 cm. | a.m. | 28.2 | 27.5 | 28.6 | 33.0 | 46.0 | 57.6 | 62.7 | 60.9 | 54.6 | 46.0 | 36.3 | 29.9 |
| 10 cm. | p.m. | 28.3 | 27.5 | 29.0 | 35.7 | 50.8 | 63.8 | 67.5 | 65.1 | 57.7 | 48.1 | 38.9 | 30.0 |
| 20 cm. | p.m. | 29.4 | 28.7 | 29.3 | 32.7 | 46.2 | 58.6 | 63.6 | 62.3 | 56.4 | 47.8 | 37.9 | 31.9 |
| 50 cm. | p.m. | 31.9 | 31.3 | 30.8 | 31.8 | 42.3 | 53.9 | 59.9 | 60.2 | 56.4 | 49.1 | 40.6 | 35.0 |
| 100 cm. | p.m. | 35.5 | 34.1 | 33.2 | 33.0 | 38.5 | 48.1 | 54.8 | 56.9 | 55.6 | 50.7 | 44.4 | 39.0 |
| 150 cm. | p.m. | 38.4 | 36.7 | 35.5 | 35.0 | 37.5 | 44.4 | 50.6 | 53.8 | 53.8 | 51.1 | 46.7 | 41.9 |

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AVERAGE SOIL TEMPERATURE (°F)

FREDERICTON CDA — PERIOD JANUARY 1960 - DECEMBER 1964

| DEPTH | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 cm. a.m. | 27.5 | 28.4 | 31.4 | 34.2 | 50.2 | 61.1 | 65.5 | 63.0 | 55.8 | 45.6 | 36.7 | 29.9 |
| 1 cm. p.m. | 28.5 | 28.9 | 31.9 | 39.9 | 62.5 | 74.5 | 77.3 | 75.8 | 65.5 | 52.3 | 39.1 | 30.5 |
| 10 cm. a.m. | 28.5 | 28.9 | 31.7 | 34.1 | 50.4 | 61.3 | 65.7 | 64.4 | 57.7 | 47.6 | 38.3 | 31.4 |
| 10 cm. p.m. | 28.9 | 29.2 | 31.7 | 36.7 | 56.4 | 67.8 | 71.6 | 70.0 | 62.0 | 50.6 | 39.4 | 31.5 |
| 20 cm. p.m. | 29.7 | 29.5 | 31.7 | 34.7 | 52.2 | 63.1 | 67.5 | 66.4 | 59.8 | 49.7 | 39.7 | 32.6 |
| 50 cm. p.m. | 32.9 | 31.6 | 32.4 | 33.4 | 48.0 | 58.5 | 63.6 | 63.7 | 59.3 | 50.9 | 42.1 | 35.8 |
| 100 cm. p.m. | 37.1 | 35.1 | 34.9 | 34.6 | 43.4 | 52.8 | 58.2 | 60.0 | 58.0 | 52.4 | 45.7 | 40.1 |
| 150 cm. p.m. | 40.1 | 38.0 | 37.3 | 36.3 | 41.3 | 50.0 | 54.2 | 56.8 | 56.4 | 52.8 | 47.8 | 42.9 |

CHARLOTTETOWN CDA — PERIOD JANUARY 1961 - DECEMBER 1964

| DEPTH | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 cm. a.m. | 32.4 | 30.4 | 32.0 | 33.0 | 44.8 | 55.4 | 61.8 | 61.6 | 57.6 | 50.6 | 42.2 | 35.4 |
| 10 cm. p.m. | 32.3 | 30.7 | 32.0 | 33.6 | 48.8 | 58.7 | 64.7 | 64.8 | 59.6 | 51.9 | 42.9 | 35.6 |
| 20 cm. p.m. | 33.2 | 31.4 | 32.1 | 33.1 | 45.6 | 55.8 | 61.7 | 62.2 | 58.4 | 51.6 | 43.4 | 36.4 |
| 50 cm. p.m. | 35.5 | 33.6 | 33.3 | 33.6 | 42.5 | 51.9 | 57.9 | 59.6 | 57.4 | 52.4 | 45.6 | 39.0 |
| 100 cm. p.m. | 37.9 | 36.2 | 35.3 | 35.0 | 40.2 | 48.8 | 54.3 | 56.8 | 56.3 | 52.9 | 47.5 | 41.8 |
| 150 cm. p.m. | 39.7 | 37.7 | 36.6 | 35.8 | 39.0 | 45.8 | 51.4 | 54.7 | 54.8 | 52.6 | 48.5 | 43.4 |

ST. JOHN'S WEST CDA — PERIOD JANUARY 1962 - DECEMBER 1964

| DEPTH | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 cm. a.m. | 31.9 | 31.5 | 30.7 | 34.5 | 42.5 | 49.6 | 57.4 | 57.3 | 53.4 | 46.4 | 40.1 | 33.6 |
| 1 cm. p.m. | 32.2 | 31.7 | 31.1 | 37.2 | 50.9 | 57.1 | 63.8 | 63.5 | 58.4 | 50.3 | 41.4 | 33.9 |
| 10 cm. a.m. | 32.4 | 32.2 | 31.6 | 34.2 | 41.8 | 49.4 | 56.5 | 57.6 | 54.3 | 48.0 | 41.4 | 35.2 |
| 10 cm. p.m. | 32.4 | 32.3 | 31.6 | 36.1 | 46.3 | 53.7 | 59.8 | 60.8 | 56.7 | 49.6 | 42.2 | 35.2 |
| 20 cm. p.m. | 33.2 | 32.7 | 32.0 | 35.1 | 43.2 | 50.4 | 56.7 | 58.5 | 55.4 | 49.0 | 42.7 | 36.5 |
| 50 cm. p.m. | 34.8 | 34.1 | 33.1 | 35.1 | 41.2 | 48.5 | 54.1 | 56.7 | 54.9 | 49.8 | 44.5 | 38.7 |
| *100 cm. p.m. | 36.4 | 35.2 | 35.0 | 36.4 | 40.6 | 46.8 | 51.9 | 54.9 | 54.4 | 50.4 | 45.7 | 40.8 |
| 150 cm. p.m. | 38.5 | 37.0 | 36.5 | 36.1 | 39.0 | 44.3 | 48.8 | 52.0 | 52.8 | 49.9 | 46.7 | 42.3 |

* data missing for 100 cm. level for the period October, 1962 - October, 1963 inclusive.