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SOIL TEMPERATURE DATA 1958-1972

BY

D. ASTON

CLI-2-73

DOWNSVIEW 1973

Atmospheric Environment Service

Amendment Number One

To

"Soil Temperature Data
1958-1972" - CLI-2-73

Please make the following change on page 15, Ottawa CDA:

005 CM AM - December value should be 34.5°F not 39.9°F

January 2, 1974



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A detailed study of soil temperature trends at the 1000-foot elevation in the Blue Ridge mountains was made by the Soil Survey Division, the Meteorological Bureau of the Department of Commerce, the Climatic Division of the Service of the State, the Bureau of the Census, the Department of the Interior, the Bureau of Entomology and Plant Pathology of the Department of Agriculture, and the Division of Marketing Research of the Bureau of Agricultural Economics of the Department of Agriculture, during 1937 and 1938. The Meteorological Bureau maintained a weather station at the peak and maintained the experimental station and performed the research and statistical work. The Climatic Division of Agriculture provided climate records for the period 1930-35 and 1937-38; the Bureau of Entomology and Plant Pathology provided information on the development of the insect pests; the Bureau of the Census provided data on the population and economic development of the mountain areas; and the Bureau of Agricultural Economics provided data on rural economy.

SOIL TEMPERATURE DATA 1958-1972

BY *John M. McMurtry*

D. ASTON

CLI-2-73

DOWNSVIEW 1973

SOIL TEMPERATURE DATA

1958-1972

by D. ASTON

A national study of soil temperatures began in 1958. Before establishing a network of recording stations, the Meteorological Branch of the Department of Transport, now the Atmospheric Environment Service of the Department of the Environment; the Experimental Farms Service of the Canada Department of Agriculture and the Division of Building Research of the National Research Council held planning discussions in 1957 and 1958. The Meteorological Branch undertook to (a) design, calibrate, and supply suitable equipment; (b) inspect and maintain the equipment; and (c) process and publish the records. The Canada Department of Agriculture provided sites at research establishments for most of the recording stations, and staff to take observations twice daily and forward records to the Meteorological Branch. Sites at agricultural research establishments were preferred because of the importance of soil temperatures in agricultural research, and the desirability of installing the equipment where interference was unlikely in the foreseeable future.

The equipment was specially designed by the Instrument Division of the Meteorological Branch. Thermistors are used as the sensing elements, and their resistance is determined by means of a special Wheatstone bridge with a 10-turn helipot as a slide wire. The dial is calibrated in degrees Fahrenheit and can be easily read to the nearest tenth of a degree. The thermistors are individually calibrated and each is provided with a built-in compensating resistor. Variations in helipot and circuit resistances are corrected with individual correction tables for each instrument. For checking the zero point of the bridge, a standard resistance element corresponding to 32.0°F. is readily switched into the circuit. A simple switch is used for selecting elements at various depths. As protection against moisture the sensing elements and wire leads were encased in lead-sheathed cable. At certain depths, duplicate thermistors were installed for checking purposes. For all data in this report, these pairs of thermistors did not differ by more than 0.3 degrees.

Depending upon the station the temperature - sensing elements are placed at the standard depths recommended by the World Meteorological Organization: 10, 20, 50 and 100 cm., and also at depths of 1, 5, 150 and 300 cm. The values in these tables of soil temperature data are based on the period 1958-1972 and are the early morning and late afternoon readings of Fahrenheit temperature at the above levels.

Soil temperature data have previously been published by the Research Branch of the Canadian Department of Agriculture in co-operation with the Meteorological Branch in a publication called "Soil Temperature Records at Eight Localities in Canada 1959 to 1960" and "Average Soil Temperature Based on the Period 1960 to 1968". Data from January 1960 to the present time have been published in the Monthly Record of Meteorological Observations in Canada.

| STATION | PROVINCE | LAT. | LONG. | ELEV. (ft.) | FIRST RECORD |
|-------------------------|----------|---------|----------|-------------|----------------|
| PRINCE GEORGE A | B.C. | 53° 53' | 122° 40' | 2218' | August 1963 |
| SAANICHTON CDA | B.C. | 48° 37' | 123° 25' | 200' | January 1966 |
| SUMMERLAND CDA | B.C. | 49° 34' | 119° 39' | 1491' | January 1964 |
| VANCOUVER UBC | B.C. | 49° 15' | 123° 15' | 285' | October 1960 |
| HAINES JUNCTION | Y.T. | 60° 45' | 137° 35' | 1965' | September 1962 |
| BAKER LAKE | N.W.T. | 64° 18' | 96° 00' | 41' | October 1964 |
| FORT SIMPSON CDA | N.W.T. | 61° 52' | 121° 21' | 430' | July 1958 |
| RESOLUTE A | N.W.T. | 74° 43' | 94° 59' | 209' | October 1964 |
| BEAVERLODGE CDA | ALTA. | 55° 11' | 119° 22' | 2500' | January 1964 |
| ELLERSLIE | ALTA. | 53° 25' | 113° 33' | 2276' | January 1965 |
| FORT VERMILION CDA | ALTA. | 58° 23' | 116° 03' | 915' | July 1958 |
| LETHBRIDGE CDA | ALTA. | 49° 42' | 112° 47' | 2950' | June 1966 |
| PEACE RIVER A | ALTA. | 56° 14' | 117° 26' | 1866' | November 1964 |
| UNIVERSITY OF CALGARY | ALTA. | 51° 05' | 114° 08' | 3649' | November 1966 |
| VAUXHALL CDA | ALTA. | 50° 03' | 112° 08' | 2555' | October 1958 |
| VEGREVILLE CDA | ALTA. | 53° 29' | 112° 02' | 2086' | November 1964 |
| WAGNER | ALTA. | 55° 21' | 114° 59' | 1915' | June 1968 |
| BROADVIEW | SASK. | 50° 23' | 102° 35' | 1972' | July 1965 |
| ESTEVAN A | SASK. | 49° 04' | 103° 00' | 1884' | July 1964 |
| HUDSON BAY | SASK. | 52° 52' | 102° 24' | 1219' | December 1965 |
| LA RONGE A | SASK. | 55° 06' | 105° 18' | 1211' | July 1966 |
| OUTLOOK PFRA | SASK. | 51° 29' | 107° 03' | 1774' | May 1964 |
| REGINA CDA | SASK. | 50° 24' | 104° 34' | 1880' | August 1965 |
| SASKATOON SRC | SASK. | 52° 09' | 106° 36' | 1630' | November 1965 |
| SWIFT CURRENT CDA SOUTH | SASK. | 50° 16' | 107° 44' | 2707' | June 1962 |
| WYNYARD | SASK. | 51° 46' | 104° 12' | 1840' | November 1965 |
| GLENLEA RESEARCH STN. | MAN. | 49° 39' | 97° 07' | 769' | April 1967 |
| WINNIPEG INT A | MAN. | 49° 54' | 97° 14' | 786' | June 1965 |
| ATIKOKAN | ONT. | 48° 45' | 91° 37' | 1289' | July 1966 |
| GUELPH OAC | ONT. | 43° 31' | 80° 14' | 1095' | August 1962 |

| STATION | PROVINCE | LAT. | LONG. | ELEV. (ft.) | FIRST RECORD |
|-------------------------|----------|---------|---------|-------------|----------------|
| HARROW CDA | ONT. | 42° 02' | 82° 54' | 626' | June 1958 |
| KAPUSKASING CDA | ONT. | 49° 24' | 82° 26' | 715' | August 1965 |
| OTTAWA CDA | ONT. | 45° 23' | 75° 43' | 260' | November 1957 |
| TORONTO | ONT. | 43° 40' | 79° 24' | 379' | December 1960 |
| TORONTO MET. RES. STN. | ONT. | 43° 48' | 79° 33' | 635' | October 1967 |
| FORT CHIMO A | QUE. | 58° 06' | 68° 25' | 117' | October 1966 |
| LA POCATIERE CDA | QUE. | 47° 21' | 70° 02' | 100' | January 1964 |
| MONT ST. HILAIRE McGILL | QUE. | 45° 33' | 73° 10' | 680' | September 1967 |
| NORMANDIN CDA | QUE. | 48° 51' | 72° 32' | 450' | November 1959 |
| ST. AUGUSTIN | QUE. | 46° 44' | 71° 30' | 190' | August 1965 |
| SCHEFFERVILLE A | QUE. | 54° 48' | 66° 49' | 1681' | July 1967 |
| FREDERICTON CDA | N.B. | 45° 55' | 66° 37' | 130' | December 1958 |
| KENTVILLE CDA | N.S. | 45° 04' | 64° 29' | 160' | July 1964 |
| TRURO | N.S. | 45° 22' | 63° 16' | 131' | November 1964 |
| CHARLOTTETOWN CDA | P.E.I. | 46° 15' | 63° 08' | 74' | January 1961 |
| GOOSE A | NFLD. | 53° 19' | 60° 25' | 144' | October 1966 |
| ST. JOHNS WEST CDA | NFLD. | 47° 31' | 52° 47' | 375' | August 1962 |

| Station and Depth | | No. of Years of Obs | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sept. | Oct. | Nov. | Dec. |
|---------------------------|--|---------------------|------|------|------|------|------|------|------|------|-------|------|------|------|
| ALBERTA (Cont'd) | | | | | | | | | | | | | | |
| ELLERSLIE | | | | | | | | | | | | | | |
| JAN. 1965-DEC. 1972 | | | | | | | | | | | | | | |
| 001 CM AM | | 7 | 21.6 | 24.0 | 28.1 | 33.6 | 45.3 | 53.9 | 58.9 | 59.3 | 48.4 | 38.3 | 31.1 | 24.0 |
| 001 CM PM | | 7 | 21.6 | 24.3 | 28.3 | 37.8 | 56.2 | 66.0 | 70.5 | 70.4 | 56.0 | 41.9 | 31.6 | 24.3 |
| 005 CM AM | | 1 | - | - | - | - | - | 58.0 | M | 59.8 | 43.1 | 36.4 | 28.7 | 23.2 |
| 005 CM PM | | 1 | - | - | - | - | - | 66.5 | M | 73.2 | 50.7 | 41.2 | 29.6 | 23.2 |
| 010 CM AM | | 7 | 22.6 | 24.5 | 28.0 | 33.8 | 46.7 | 56.5 | 60.8 | 61.4 | 50.1 | 39.5 | 31.4 | 24.6 |
| 010 CM PM | | 7 | 22.5 | 24.7 | 28.0 | 36.2 | 53.2 | 64.2 | 68.4 | 68.0 | 54.6 | 42.4 | 31.6 | 24.9 |
| 020 CM AM | | 7 | 24.8 | 25.8 | 28.5 | 33.2 | 46.3 | 56.3 | 62.0 | 62.4 | 52.8 | 42.2 | 33.9 | 27.7 |
| 020 CM PM | | 6 | 24.0 | 25.5 | 28.3 | 33.8 | 48.0 | 58.1 | 63.4 | 64.0 | 53.9 | 42.6 | 33.0 | 26.7 |
| 050 CM AM | | 7 | 28.5 | 28.1 | 29.4 | 31.7 | 41.2 | 51.8 | 58.0 | 59.6 | 53.6 | 45.0 | 37.4 | 31.9 |
| 100 CM AM | | 7 | 31.9 | 30.5 | 30.7 | 31.9 | 37.3 | 47.3 | 53.6 | 56.4 | 53.5 | 46.8 | 40.3 | 35.1 |
| 150 CM AM | | 7 | 33.5 | 32.0 | 31.5 | 32.3 | 36.9 | 43.8 | 50.0 | 55.4 | 53.1 | 47.2 | 42.0 | 37.0 |
| 300 CM AM | | 5 | 39.8 | 38.1 | 36.9 | 36.2 | 36.0 | 37.6 | 41.6 | 44.8 | 46.6 | 43.6 | 45.0 | 38.8 |
| FORT VERMILION CDA | | | | | | | | | | | | | | |
| JAN. 1958-DEC. 1972 | | | | | | | | | | | | | | |
| 001 CM AM | | 11 | 20.5 | 22.6 | 25.5 | 33.0 | 46.5 | 59.8 | 63.6 | 59.0 | 45.8 | 35.2 | 26.9 | 22.4 |
| 001 CM PM | | 11 | 20.7 | 22.8 | 25.9 | 37.2 | 58.7 | 72.7 | 76.0 | 71.3 | 55.3 | 39.2 | 27.4 | 22.6 |
| 005 CM AM | | 4 | 20.5 | 23.4 | 26.2 | 32.4 | 47.5 | 59.2 | 61.7 | 59.1 | 46.0 | 35.2 | 27.9 | 22.4 |
| 005 CM PM | | 4 | 20.5 | 23.5 | 26.3 | 36.5 | 60.8 | 71.2 | 74.4 | 73.4 | 55.4 | 39.4 | 28.4 | 22.6 |
| 010 CM AM | | 15 | 21.5 | 23.4 | 26.2 | 32.6 | 45.4 | 57.4 | 61.7 | 59.6 | 47.9 | 37.0 | 28.5 | 23.5 |
| 010 CM PM | | 15 | 21.5 | 23.4 | 26.3 | 34.7 | 53.2 | 65.8 | 69.9 | 67.2 | 53.2 | 39.3 | 28.8 | 23.6 |
| 020 CM AM | | 15 | 23.3 | 24.6 | 26.9 | 32.6 | 45.3 | 57.5 | 62.3 | 61.3 | 49.6 | 38.8 | 30.5 | 25.4 |
| 020 CM PM | | 15 | 23.2 | 24.6 | 26.9 | 33.2 | 47.8 | 59.9 | 64.4 | 63.1 | 51.5 | 39.6 | 30.5 | 25.4 |
| 050 CM AM | | 14 | 26.8 | 26.6 | 28.1 | 31.7 | 41.6 | 54.4 | 59.7 | 60.7 | 52.2 | 41.4 | 33.7 | 29.0 |
| 100 CM AM | | 15 | 31.8 | 30.6 | 30.6 | 31.6 | 34.4 | 46.4 | 53.7 | 56.7 | 52.3 | 44.5 | 37.8 | 33.9 |
| 150 CM AM | | 15 | 34.4 | 33.3 | 32.7 | 32.7 | 33.1 | 40.9 | 48.6 | 52.8 | 51.3 | 46.1 | 40.5 | 36.5 |
| 300 CM AM | | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LETHBRIDGE CDA | | | | | | | | | | | | | | |
| JUNE 1966-DEC. 1972 | | | | | | | | | | | | | | |
| 001 CM AM | | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 001 CM PM | | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 005 CM AM | | 7 | 24.6 | 27.3 | 32.4 | 39.2 | 50.9 | 59.5 | 64.4 | 64.1 | 53.1 | 41.3 | 33.3 | 27.2 |
| 005 CM PM | | 7 | 25.3 | 28.6 | 35.5 | 46.3 | 60.6 | 70.4 | 77.9 | 77.4 | 62.9 | 47.1 | 35.6 | 28.1 |
| 010 CM AM | | 7 | 25.1 | 27.6 | 32.6 | 39.5 | 51.1 | 59.7 | 64.9 | 65.0 | 54.4 | 42.5 | 34.1 | 27.7 |
| 010 CM PM | | 7 | 25.5 | 28.4 | 34.4 | 44.1 | 57.5 | 67.0 | 73.7 | 73.3 | 60.3 | 45.8 | 35.4 | 28.2 |
| 020 CM AM | | 7 | 26.6 | 28.6 | 33.1 | 40.5 | 51.9 | 60.4 | 65.9 | 66.7 | 56.6 | 44.7 | 35.9 | 29.3 |
| 020 CM PM | | 7 | 26.6 | 28.6 | 33.3 | 41.4 | 53.2 | 62.0 | 67.8 | 68.0 | 57.3 | 45.1 | 36.0 | 29.3 |
| 050 CM AM | | 7 | 30.1 | 30.3 | 33.6 | 39.9 | 49.9 | 58.4 | 64.0 | 65.6 | 58.2 | 47.8 | 39.5 | 33.0 |
| 100 CM AM | | 7 | 35.3 | 34.0 | 35.1 | 38.8 | 45.1 | 52.0 | 57.2 | 60.0 | 57.3 | 50.7 | 44.2 | 38.8 |
| 150 CM AM | | 7 | 38.8 | 36.8 | 36.8 | 38.8 | 42.9 | 48.2 | 52.9 | 56.1 | 55.9 | 51.8 | 47.0 | 42.3 |
| 300 CM AM | | 7 | 44.3 | 42.1 | 40.8 | 40.6 | 41.6 | 43.8 | 46.9 | 49.8 | 51.5 | 51.3 | 49.5 | 47.0 |

| Station and Depth | No. of Years of Obs | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sept. | Oct. | Nov. | Dec. |
|-------------------------|---------------------|------|------|------|------|------|------|------|------|-------|------|------|------|
| ALBERTA (Cont'd) | | | | | | | | | | | | | |
| PEACE RIVER A | | | | | | | | | | | | | |
| NOV. 1964-DEC. 1972 | | | | | | | | | | | | | |
| 001 CM AM | 4 | 19.0 | 20.6 | 24.9 | 32.7 | 45.8 | 55.9 | 61.1 | 57.7 | 46.6 | 35.5 | 26.9 | 22.3 |
| 001 CM PM | 4 | 19.3 | 20.9 | 27.3 | 39.7 | 59.0 | 70.1 | 75.4 | 73.5 | 57.8 | 41.9 | 28.0 | 22.6 |
| 005 CM AM | 4 | 18.7 | 22.3 | 25.6 | 34.3 | 46.8 | 57.4 | 59.6 | 58.2 | 46.6 | 36.7 | 29.4 | 23.3 |
| 005 CM PM | 4 | 18.5 | 22.4 | 25.8 | 40.2 | 57.5 | 67.9 | 69.2 | 67.8 | 53.1 | 40.3 | 29.7 | 23.3 |
| 010 CM AM | 8 | 20.8 | 22.5 | 25.9 | 33.5 | 45.8 | 56.2 | 60.1 | 59.3 | 48.8 | 38.5 | 30.1 | 24.4 |
| 010 CM PM | 8 | 20.8 | 22.6 | 26.3 | 36.4 | 52.0 | 62.5 | 66.3 | 65.0 | 52.3 | 40.3 | 30.2 | 24.5 |
| 020 CM AM | 8 | 22.8 | 23.5 | 26.6 | 33.2 | 45.2 | 56.1 | 60.5 | 61.2 | 51.6 | 41.2 | 32.3 | 26.7 |
| 020 CM PM | 8 | 22.8 | 23.5 | 26.7 | 33.4 | 45.7 | 56.6 | 61.0 | 61.5 | 51.6 | 41.1 | 32.3 | 26.7 |
| 050 CM AM | 8 | 23.4 | 23.6 | 26.4 | 32.2 | 43.1 | 54.3 | 59.1 | 60.0 | 51.2 | 41.1 | 32.8 | 27.3 |
| 100 CM AM | 8 | 30.2 | 27.8 | 28.0 | 29.6 | 33.4 | 44.7 | 51.2 | 54.5 | 51.5 | 45.0 | 38.1 | 33.3 |
| 150 CM AM | 8 | 34.6 | 32.3 | 31.3 | 31.5 | 32.7 | 39.7 | 46.2 | 50.5 | 50.6 | 47.0 | 42.0 | 37.6 |
| 300 CM AM | 4 | 39.9 | 38.2 | 36.7 | 35.8 | 35.4 | 36.1 | 39.0 | 41.8 | 44.0 | 44.7 | 43.7 | 41.8 |
| UNIVERSITY OF CALGARY | | | | | | | | | | | | | |
| NOV. 1966-DEC. 1972 | | | | | | | | | | | | | |
| 001 CM AM | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 001 CM PM | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 005 CM AM | 6 | 19.7 | 22.8 | 28.6 | 34.2 | 44.8 | 54.4 | 58.0 | 57.5 | 48.0 | 36.7 | 28.8 | 21.9 |
| 005 CM PM | 6 | 20.3 | 24.4 | 30.8 | 42.9 | 58.3 | 67.4 | 72.5 | 74.0 | 60.7 | 43.5 | 30.1 | 22.8 |
| 010 CM AM | 6 | 21.4 | 23.8 | 29.3 | 34.9 | 46.0 | 55.7 | 59.8 | 60.6 | 51.5 | 39.5 | 30.7 | 23.8 |
| 010 CM PM | 6 | 21.1 | 24.2 | 29.6 | 37.9 | 51.8 | 61.3 | 66.1 | 67.7 | 56.3 | 41.8 | 30.6 | 23.4 |
| 020 CM AM | 6 | 23.7 | 25.1 | 29.5 | 34.8 | 46.7 | 56.7 | 61.2 | 62.5 | 54.2 | 42.2 | 33.1 | 26.5 |
| 020 CM PM | 6 | 23.6 | 25.2 | 29.7 | 35.0 | 48.5 | 57.7 | 61.6 | 63.0 | 54.5 | 42.4 | 33.1 | 26.3 |
| 050 CM AM | 6 | 27.6 | 27.4 | 29.6 | 33.2 | 43.3 | 54.1 | 58.8 | 60.5 | 54.8 | 45.1 | 36.5 | 30.6 |
| 100 CM AM | 6 | 31.8 | 30.3 | 30.7 | 32.1 | 39.5 | 50.2 | 55.3 | 57.8 | 54.6 | 47.3 | 39.9 | 34.3 |
| 150 CM AM | 6 | 35.0 | 33.5 | 32.7 | 33.0 | 37.0 | 45.5 | 50.6 | 53.6 | 52.7 | 48.3 | 42.6 | 37.9 |
| 300 CM AM | 6 | 41.1 | 39.4 | 38.3 | 37.4 | 37.7 | 40.3 | 43.8 | 46.6 | 48.4 | 48.1 | 46.0 | 43.4 |
| VAUXHALL CDA | | | | | | | | | | | | | |
| NOV. 1958-DEC. 1969 | | | | | | | | | | | | | |
| APRIL 1970-SEPT. 1972 | | | | | | | | | | | | | |
| 001 CM AM | 8 | 21.7 | 26.9 | 30.1 | 39.9 | 51.8 | 64.5 | 68.6 | 64.4 | 50.2 | 42.3 | 30.9 | 24.9 |
| 001 CM PM | 8 | 23.7 | 28.7 | 35.4 | 53.0 | 66.4 | 80.7 | 88.1 | 82.2 | 64.6 | 53.4 | 35.1 | 27.1 |
| 005 CM AM | 6 | 21.9 | 24.0 | 31.2 | 37.8 | 50.8 | 60.0 | 64.2 | 63.4 | 51.9 | 39.7 | 30.3 | 24.4 |
| 005 CM PM | 4 | 22.9 | 27.3 | 36.4 | 48.1 | 63.5 | 74.1 | 84.3 | 81.0 | 70.4 | 48.2 | 34.0 | 26.5 |
| 010 CM AM | 14 | 23.2 | 27.0 | 31.0 | 39.9 | 51.6 | 61.8 | 67.0 | 66.0 | 54.4 | 44.6 | 33.4 | 26.7 |
| 010 CM PM | 11 | 23.9 | 27.8 | 33.1 | 46.0 | 58.5 | 70.3 | 77.3 | 74.1 | 61.5 | 48.7 | 34.7 | 27.3 |
| 020 CM AM | 14 | 24.9 | 27.9 | 31.7 | 41.1 | 52.8 | 62.9 | 68.7 | 68.4 | 57.4 | 47.5 | 35.8 | 28.5 |
| 020 CM PM | 11 | 24.8 | 27.9 | 31.8 | 42.3 | 53.8 | 64.5 | 70.9 | 69.0 | 58.5 | 47.7 | 35.7 | 28.6 |
| 050 CM AM | 14 | 29.4 | 30.1 | 32.4 | 40.5 | 50.2 | 60.0 | 65.7 | 67.0 | 59.5 | 50.6 | 40.6 | 33.3 |
| 100 CM AM | 14 | 34.3 | 32.9 | 33.7 | 38.5 | 46.0 | 54.3 | 60.0 | 62.8 | 59.1 | 52.7 | 45.0 | 38.4 |
| 150 CM AM | 14 | 37.7 | 35.3 | 35.3 | 37.8 | 43.3 | 50.0 | 55.2 | 58.7 | 57.7 | 53.4 | 47.3 | 41.7 |

| Station and Depth | | No. of Years of Obs | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sept. | Oct. | Nov. | Dec. |
|-------------------------|------|---------------------|------|------|------|------|------|------|------|------|-------|------|------|------|
| ALBERTA (Cont'd) | | | | | | | | | | | | | | |
| VEGREVILLE CDA | | | | | | | | | | | | | | |
| NOV. 1964-DEC. 1972 | | | | | | | | | | | | | | |
| 001 CM AM | 0.00 | 2 | 17.1 | 20.8 | 23.8 | 32.9 | 46.3 | 55.0 | 63.1 | 61.3 | 44.1 | 38.5 | 28.5 | 18.1 |
| 001 CM PM | 0.00 | 2 | 17.5 | 20.8 | 24.1 | 37.6 | 55.5 | 63.4 | 71.3 | 71.1 | 50.2 | 43.6 | 29.6 | 18.6 |
| 005 CM AM | 0.00 | 6 | 20.1 | 22.0 | 27.2 | 33.4 | 44.9 | 55.4 | 59.7 | 58.9 | 49.0 | 37.6 | 30.0 | 23.6 |
| 005 CM PM | 0.00 | 6 | 20.4 | 22.6 | 27.5 | 38.4 | 53.7 | 64.2 | 68.5 | 66.8 | 54.8 | 41.3 | 30.5 | 23.9 |
| 010 CM AM | 0.00 | 8 | 20.8 | 22.5 | 26.8 | 33.3 | 44.7 | 54.5 | 59.8 | 59.4 | 50.0 | 39.8 | 31.6 | 24.0 |
| 010 CM PM | 0.00 | 8 | 20.9 | 22.7 | 26.8 | 35.3 | 49.3 | 59.4 | 64.6 | 63.6 | 52.9 | 41.6 | 31.7 | 24.1 |
| 020 CM AM | 0.00 | 8 | 22.6 | 23.5 | 27.0 | 33.0 | 43.7 | 53.8 | 60.5 | 60.1 | 51.8 | 42.1 | 33.6 | 26.0 |
| 020 CM PM | 0.00 | 8 | 22.5 | 23.5 | 27.0 | 33.4 | 44.4 | 54.5 | 61.2 | 60.7 | 52.1 | 42.1 | 33.5 | 25.9 |
| 050 CM AM | 0.00 | 8 | 27.5 | 26.8 | 28.7 | 31.6 | 38.5 | 49.2 | 56.1 | 57.6 | 51.8 | 43.8 | 36.4 | 30.8 |
| 100 CM AM | 0.00 | 8 | 32.8 | 31.4 | 31.1 | 31.7 | 33.0 | 42.1 | 49.5 | 52.9 | 51.1 | 45.9 | 40.3 | 35.7 |
| 150 CM AM | 0.00 | 8 | 35.3 | 33.6 | 32.8 | 33.0 | 33.6 | 39.1 | 46.1 | 49.7 | 49.9 | 46.6 | 42.4 | 38.3 |
| 300 CM AM | 0.00 | 7 | 39.2 | 37.4 | 36.1 | 35.3 | 35.0 | 36.1 | 39.8 | 43.4 | 45.7 | 45.8 | 44.1 | 41.6 |
| WAGNER | | | | | | | | | | | | | | |
| JUNE 1968-OCT. 1971 | | | | | | | | | | | | | | |
| 001 CM AM | 0.00 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 001 CM PM | 0.00 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 005 CM AM | 0.00 | 4 | 7.2 | 13.7 | 21.7 | 32.5 | 44.2 | 56.3 | 59.7 | 58.4 | 49.2 | 38.7 | 31.5 | 21.9 |
| 005 CM PM | 0.00 | 4 | 7.5 | 14.7 | 23.0 | 35.1 | 49.8 | 62.0 | 65.1 | 62.8 | 51.6 | 39.9 | 31.6 | 22.1 |
| 010 CM AM | 0.00 | 4 | 7.9 | 14.0 | 22.1 | 32.7 | 44.3 | 56.8 | 60.4 | 59.3 | 50.1 | 39.6 | 32.3 | 22.9 |
| 010 CM PM | 0.00 | 4 | 8.1 | 14.7 | 22.9 | 33.9 | 47.1 | 59.8 | 63.4 | 61.5 | 51.2 | 40.0 | 32.3 | 22.9 |
| 020 CM AM | 0.00 | 4 | 9.5 | 14.4 | 22.5 | 31.9 | 43.6 | 56.6 | 60.6 | 59.9 | 51.1 | 40.7 | 33.3 | 24.6 |
| 020 CM PM | 0.00 | 4 | 9.4 | 14.5 | 22.4 | 32.0 | 43.6 | 56.4 | 60.5 | 59.6 | 50.9 | 40.4 | 33.2 | 24.5 |
| 050 CM AM | 0.00 | 4 | 12.9 | 15.3 | 22.8 | 30.8 | 41.0 | 54.3 | 58.8 | 58.8 | 51.7 | 42.3 | 34.6 | 27.6 |
| 100 CM AM | 0.00 | 4 | 24.7 | 20.9 | 25.0 | 29.5 | 35.1 | 46.9 | 52.6 | 54.6 | 51.3 | 44.7 | 38.1 | 33.8 |
| 150 CM AM | 0.00 | 4 | 32.6 | 28.1 | 28.6 | 30.5 | 32.9 | 41.4 | 47.4 | 50.5 | 49.6 | 45.6 | 40.9 | 37.4 |
| 300 CM AM | 0.00 | 4 | 39.1 | 37.0 | 35.8 | 35.2 | 35.3 | 37.1 | 37.3 | 42.6 | 43.9 | 43.8 | 42.4 | 40.8 |

| Station and Depth | | No. of Years of Obs | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sept. | Oct. | Nov. | Dec. |
|------------------------------|--|---------------------|------|------|------|------|------|------|------|------|-------|------|------|------|
| SASKATCHEWAN (Cont'd) | | | | | | | | | | | | | | |
| LA RONGE A | | | | | | | | | | | | | | |
| JULY 1966-DEC. 1972 | | | | | | | | | | | | | | |
| 001 CM AM | | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 001 CM PM | | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 005 CM AM | | 6 | 28.8 | 27.1 | 29.1 | 31.8 | 41.0 | 52.9 | 58.5 | 58.4 | 49.7 | 37.6 | 32.0 | 30.9 |
| 005 CM PM | | 6 | 28.7 | 27.2 | 29.2 | 35.6 | 54.2 | 64.8 | 68.1 | 67.0 | 55.4 | 40.4 | 32.2 | 30.9 |
| 010 CM AM | | 6 | 29.4 | 27.9 | 29.5 | 31.9 | 40.5 | 52.1 | 58.3 | 58.6 | 50.8 | 38.9 | 32.8 | 31.3 |
| 010 CM PM | | 6 | 29.3 | 27.9 | 29.5 | 34.3 | 50.5 | 61.0 | 65.3 | 64.6 | 54.2 | 40.4 | 32.8 | 31.3 |
| 020 CM AM | | 6 | 30.4 | 28.7 | 29.7 | 31.9 | 40.5 | 52.0 | 58.8 | 59.6 | 52.6 | 41.0 | 34.2 | 32.4 |
| 020 CM PM | | 6 | 30.4 | 28.7 | 29.7 | 32.2 | 42.1 | 53.7 | 60.1 | 60.4 | 52.8 | 40.9 | 34.1 | 32.3 |
| 050 CM AM | | 6 | 32.2 | 30.5 | 30.3 | 31.2 | 35.1 | 46.4 | 55.1 | 57.1 | 53.1 | 43.6 | 33.7 | 33.9 |
| 100 CM AM | | 6 | 34.8 | 33.4 | 32.7 | 32.4 | 33.1 | 41.3 | 50.1 | 53.8 | 52.5 | 46.1 | 39.9 | 36.8 |
| 150 CM AM | | 6 | 36.0 | 34.4 | 33.4 | 33.2 | 33.4 | 38.5 | 46.5 | 50.8 | 50.9 | 46.4 | 41.2 | 38.0 |
| 300 CM AM | | 6 | 39.2 | 37.7 | 36.5 | 35.7 | 35.2 | 35.9 | 39.0 | 42.7 | 45.0 | 45.0 | 43.1 | 41.0 |
| OUTLOOK PFRA | | | | | | | | | | | | | | |
| AUG. 1964-DEC. 1972 | | | | | | | | | | | | | | |
| 001 CM AM | | 2 | 12.9 | 14.6 | 22.8 | 35.0 | 50.7 | 56.4 | 63.5 | 64.9 | 45.6 | 38.7 | 25.3 | 18.5 |
| 001 CM PM | | 2 | 13.2 | 15.9 | 25.1 | 40.2 | 59.5 | 62.4 | 71.2 | 71.3 | 49.9 | 44.5 | 27.4 | 19.3 |
| 005 CM AM | | 7 | 15.2 | 16.8 | 25.4 | 36.3 | 50.0 | 60.6 | 64.5 | 63.6 | 53.7 | 39.4 | 29.5 | 20.3 |
| 005 CM PM | | 7 | 15.8 | 18.5 | 27.3 | 42.7 | 58.5 | 69.3 | 73.6 | 72.9 | 61.0 | 44.5 | 30.7 | 20.9 |
| 010 CM AM | | 8 | 15.4 | 16.8 | 25.1 | 35.7 | 48.7 | 60.6 | 64.8 | 63.9 | 52.9 | 40.7 | 29.9 | 20.9 |
| 010 CM PM | | 8 | 15.7 | 17.9 | 26.4 | 41.3 | 56.4 | 68.4 | 73.2 | 71.8 | 58.8 | 44.8 | 30.8 | 21.3 |
| 020 CM AM | | 8 | 17.5 | 18.3 | 25.9 | 35.9 | 48.9 | 60.2 | 65.3 | 65.4 | 55.2 | 43.1 | 32.0 | 23.0 |
| 020 CM PM | | 8 | 17.5 | 18.6 | 26.1 | 38.1 | 51.6 | 62.6 | 67.9 | 67.8 | 56.8 | 44.0 | 32.0 | 23.0 |
| 050 CM AM | | 8 | 23.5 | 22.6 | 27.1 | 33.9 | 44.7 | 55.9 | 62.0 | 63.6 | 55.9 | 46.2 | 36.5 | 28.8 |
| 100 CM AM | | 8 | 30.9 | 28.3 | 29.6 | 32.3 | 38.8 | 49.0 | 55.6 | 58.5 | 55.8 | 48.9 | 41.6 | 35.2 |
| 150 CM AM | | 8 | 35.6 | 33.2 | 32.5 | 33.0 | 36.6 | 43.7 | 49.8 | 53.4 | 53.3 | 49.4 | 44.4 | 39.5 |
| 300 CM AM | | 7 | 42.2 | 40.2 | 38.6 | 37.7 | 37.7 | 39.9 | 42.6 | 45.2 | 47.0 | 47.6 | 46.5 | 44.6 |
| REGINA CDA | | | | | | | | | | | | | | |
| AUG. 1965-DEC. 1972 | | | | | | | | | | | | | | |
| 001 CM AM | | 4 | 17.4 | 18.3 | 25.7 | 32.5 | 45.2 | 55.7 | 62.9 | 59.3 | 47.9 | 36.2 | 27.3 | 22.6 |
| 001 CM PM | | 4 | 17.9 | 19.2 | 28.5 | 45.4 | 65.4 | 73.9 | 86.1 | 80.6 | 65.1 | 47.7 | 30.3 | 23.6 |
| 005 CM AM | | 4 | 13.9 | 18.0 | 23.6 | 34.4 | 46.1 | 56.4 | 60.2 | 61.9 | 50.4 | 38.3 | 30.2 | 19.5 |
| 005 CM PM | | 4 | 14.4 | 18.5 | 24.9 | 42.8 | 57.7 | 68.5 | 73.0 | 77.2 | 61.2 | 45.4 | 30.8 | 20.2 |
| 010 CM AM | | 7 | 17.8 | 19.5 | 25.5 | 34.3 | 45.4 | 55.7 | 61.5 | 62.0 | 52.4 | 41.1 | 31.5 | 23.2 |
| 010 CM PM | | 7 | 17.9 | 19.7 | 25.9 | 36.8 | 50.6 | 61.1 | 67.6 | 68.7 | 56.7 | 43.6 | 31.7 | 23.4 |
| 020 CM AM | | 7 | 19.8 | 20.8 | 25.8 | 33.9 | 45.1 | 55.6 | 62.1 | 63.6 | 55.0 | 43.8 | 33.6 | 25.1 |
| 020 CM PM | | 7 | 19.8 | 20.8 | 25.9 | 33.9 | 45.1 | 55.8 | 62.3 | 63.8 | 54.9 | 43.6 | 33.5 | 25.0 |
| 050 CM AM | | 7 | 24.9 | 24.0 | 27.0 | 31.9 | 39.5 | 49.7 | 57.1 | 60.1 | 55.1 | 46.0 | 37.5 | 30.1 |
| 100 CM AM | | 7 | 31.4 | 29.1 | 29.3 | 31.0 | 33.3 | 32.0 | 50.3 | 54.6 | 53.5 | 47.7 | 41.4 | 35.6 |
| 150 CM AM | | 7 | 34.4 | 32.1 | 31.2 | 31.6 | 32.3 | 38.9 | 46.4 | 51.0 | 51.8 | 48.1 | 43.3 | 38.1 |
| 300 CM AM | | 3 | 40.6 | 38.4 | 36.9 | 35.9 | 35.2 | 35.6 | 38.7 | 41.9 | 44.5 | 45.2 | 44.6 | 42.8 |

| Station and Depth | | No. of Years of Obs | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sept. | Oct. | Nov. | Dec. |
|------------------------------|----|---------------------|------|------|------|------|------|------|------|------|-------|------|------|------|
| SASKATCHEWAN (Cont'd) | | | | | | | | | | | | | | |
| SASKATOON SRC | | | | | | | | | | | | | | |
| DEC. 1965-DEC. 1972 | | | | | | | | | | | | | | |
| 001 CM | AM | 1 | 14.5 | 15.8 | 25.4 | 33.8 | 52.7 | 59.4 | 68.4 | 62.5 | 56.5 | - | - | 22.9 |
| 001 CM | PM | 1 | 14.8 | 15.9 | 26.2 | 45.8 | - | 68.9 | 81.7 | 75.1 | 67.0 | - | - | 23.2 |
| 005 CM | AM | 5 | 13.8 | 17.1 | 25.3 | 35.6 | 48.9 | 59.8 | 62.0 | 62.1 | 50.6 | 38.1 | 28.2 | 18.6 |
| 005 CM | PM | 5 | 14.4 | 17.8 | 27.2 | 44.7 | 61.6 | 71.6 | 73.1 | 73.2 | 58.8 | 42.5 | 29.2 | 19.5 |
| 010 CM | AM | 7 | 15.2 | 17.5 | 25.6 | 35.9 | 49.9 | 60.1 | 63.4 | 62.7 | 53.0 | 38.8 | 28.7 | 17.1 |
| 010 CM | PM | 6 | 15.6 | 17.9 | 26.5 | 41.3 | 59.1 | 68.2 | 71.5 | 71.2 | 59.6 | 41.8 | 29.5 | 20.5 |
| 020 CM | AM | 6 | 16.7 | 18.9 | 26.3 | 36.3 | 50.2 | 60.4 | 64.3 | 64.2 | 54.7 | 41.4 | 30.9 | 22.1 |
| 020 CM | PM | 6 | 16.8 | 18.9 | 26.5 | 37.6 | 53.2 | 62.9 | 66.9 | 66.8 | 56.5 | 41.8 | 31.0 | 22.1 |
| 050 CM | AM | 6 | 24.5 | 23.7 | 28.2 | 34.6 | 46.5 | 57.2 | 61.9 | 62.7 | 56.6 | 45.4 | 35.9 | 29.3 |
| 100 CM | AM | 7 | 31.9 | 29.9 | 30.6 | 32.2 | 40.3 | 50.7 | 56.1 | 58.1 | 55.8 | 48.6 | 41.3 | 35.5 |
| 150 CM | AM | 6 | 36.4 | 34.5 | 32.9 | 33.2 | 38.1 | 47.1 | 52.7 | 55.5 | 55.0 | 50.1 | 44.3 | 39.7 |
| 300 CM | AM | 6 | 39.9 | 37.5 | 36.1 | 35.0 | 36.2 | 40.9 | 45.5 | 48.7 | 50.5 | 49.4 | 46.2 | 37.5 |
| SWIFT CURRENT CDA SOUTH | | | | | | | | | | | | | | |
| JUNE 1962-DEC. 1972 | | | | | | | | | | | | | | |
| 001 CM | AM | 2 | 11.5 | 17.8 | 21.6 | 33.4 | 47.8 | 57.3 | 65.2 | 60.5 | 42.1 | 36.6 | 25.4 | 18.2 |
| 001 CM | PM | 2 | 12.4 | 19.1 | 28.8 | 45.6 | 70.4 | 78.4 | 93.8 | 87.4 | 57.0 | 53.9 | 32.5 | 19.6 |
| 005 CM | AM | 7 | 12.0 | 16.1 | 25.3 | 35.7 | 47.8 | 58.3 | 62.9 | 62.7 | 51.4 | 37.8 | 28.9 | 18.5 |
| 005 CM | PM | 7 | 12.8 | 18.0 | 28.0 | 44.9 | 62.3 | 74.9 | 81.6 | 81.5 | 65.4 | 45.3 | 30.8 | 19.8 |
| 010 CM | AM | 11 | 14.7 | 19.1 | 25.9 | 36.8 | 48.4 | 58.8 | 64.4 | 64.5 | 53.3 | 41.9 | 31.6 | 21.5 |
| 010 CM | PM | 11 | 15.1 | 19.8 | 26.9 | 40.8 | 55.7 | 66.5 | 73.1 | 72.4 | 58.9 | 45.4 | 32.4 | 21.9 |
| 020 CM | AM | 11 | 16.4 | 20.0 | 26.4 | 37.3 | 49.4 | 60.0 | 66.2 | 66.9 | 56.0 | 44.4 | 33.6 | 23.3 |
| 020 CM | PM | 11 | 16.3 | 20.0 | 26.4 | 37.7 | 50.2 | 60.8 | 67.1 | 67.3 | 56.2 | 44.5 | 33.5 | 23.1 |
| 050 CM | AM | 11 | 22.1 | 22.9 | 27.4 | 35.5 | 46.1 | 56.6 | 63.1 | 65.1 | 57.6 | 47.9 | 38.2 | 28.9 |
| 100 CM | AM | 11 | 29.8 | 27.8 | 29.1 | 32.5 | 39.5 | 49.0 | 55.6 | 59.6 | 57.2 | 50.9 | 43.6 | 35.9 |
| 150 CM | AM | 11 | 33.4 | 30.9 | 30.4 | 31.8 | 36.7 | 45.4 | 51.9 | 56.3 | 56.1 | 51.6 | 45.7 | 39.1 |
| 300 CM | AM | 7 | 39.5 | 36.4 | 35.0 | 34.9 | 36.1 | 40.6 | 45.7 | 49.8 | 52.1 | 51.3 | 47.8 | 43.8 |
| WYNYARD | | | | | | | | | | | | | | |
| DEC. 1965-DEC. 1972 | | | | | | | | | | | | | | |
| 001 CM | AM | 1 | 4.8 | 8.3 | 23.0 | 31.3 | 44.0 | 56.0 | 63.2 | 56.7 | 49.7 | - | - | 17.7 |
| 001 CM | PM | 1 | 5.4 | 9.0 | 26.2 | 43.7 | 61.8 | 72.6 | 80.5 | 70.3 | 60.8 | - | - | 20.5 |
| 005 CM | AM | 6 | 15.5 | 17.4 | 24.8 | 32.9 | 44.2 | 55.3 | 59.8 | 59.6 | 50.5 | 38.5 | 29.8 | 20.6 |
| 005 CM | PM | 6 | 15.7 | 17.9 | 25.5 | 37.2 | 52.4 | 64.1 | 68.6 | 67.6 | 56.3 | 41.2 | 30.2 | 20.8 |
| 010 CM | AM | 7 | 17.5 | 18.3 | 25.4 | 33.0 | 44.2 | 55.5 | 61.2 | 61.1 | 53.6 | 41.5 | 32.5 | 23.6 |
| 010 CM | PM | 7 | 17.4 | 18.4 | 29.7 | 33.2 | 44.7 | 56.0 | 61.8 | 61.3 | 53.6 | 41.3 | 32.4 | 23.5 |
| 020 CM | AM | 7 | 20.4 | 20.1 | 25.9 | 32.3 | 42.1 | 53.5 | 59.7 | 60.1 | 54.1 | 43.0 | 34.5 | 26.6 |
| 020 CM | PM | 7 | 20.4 | 20.1 | 25.9 | 32.2 | 41.9 | 53.2 | 59.4 | 59.7 | 53.7 | 42.8 | 34.4 | 26.5 |
| 050 CM | AM | 7 | 24.0 | 22.4 | 26.5 | 31.5 | 39.0 | 50.2 | 56.5 | 57.6 | 53.5 | 44.1 | 36.4 | 29.6 |
| 100 CM | AM | 7 | 31.3 | 28.3 | 29.0 | 31.1 | 34.2 | 43.3 | 50.0 | 52.7 | 51.6 | 46.0 | 40.2 | 35.1 |
| 150 CM | AM | 7 | 35.3 | 32.9 | 32.1 | 32.4 | 33.3 | 39.6 | 45.8 | 49.4 | 50.0 | 46.9 | 42.5 | 38.4 |
| 300 CM | AM | 7 | 39.4 | 37.4 | 36.0 | 35.1 | 34.9 | 36.1 | 39.8 | 43.1 | 45.2 | 45.4 | 43.9 | 41.6 |

| Station and Depth | | No. of Years of Obs | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sept. | Oct. | Nov. | Dec. |
|-------------------------|----------------|---------------------|------|------|------|------|------|------|------|------|-------|------|------|------|
| MANITOBA | | | | | | | | | | | | | | |
| GLENLEA RES. STN. | | | | | | | | | | | | | | |
| MAY 1967-DEC. 1972 | | | | | | | | | | | | | | |
| 001 CM AM | 0.00 1.00 2.00 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 001 CM PM | 0.00 1.00 2.00 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 005 CM AM | 0.00 0.00 0.00 | 6 | 23.1 | 22.3 | 26.5 | 32.7 | 43.5 | 56.1 | 61.4 | 61.9 | 55.6 | 43.4 | 34.0 | 27.2 |
| 005 CM PM | 0.00 0.00 0.00 | 2 | — | — | — | — | 45.9 | 60.6 | 62.5 | 64.1 | 56.0 | 41.6 | — | — |
| 010 CM AM | 0.00 0.00 0.00 | 6 | 23.1 | 22.1 | 25.8 | 31.4 | 42.2 | 54.5 | 60.1 | 60.8 | 54.9 | 43.3 | 33.9 | 27.3 |
| 010 CM PM | 0.00 0.00 0.00 | 2 | — | — | — | — | 42.6 | 56.2 | 59.0 | 60.5 | 54.1 | 40.9 | — | — |
| 020 CM AM | 0.00 0.00 0.00 | 6 | 25.2 | 23.8 | 27.1 | 32.2 | 43.0 | 55.9 | 62.1 | 63.2 | 57.6 | 46.0 | 36.1 | 29.6 |
| 020 CM PM | 0.00 0.00 0.00 | 2 | — | — | — | — | 42.3 | 56.6 | 60.1 | 61.9 | 56.2 | 43.3 | — | — |
| 050 CM AM | 0.00 0.00 0.00 | 6 | 29.7 | 27.2 | 28.4 | 30.6 | 36.3 | 49.5 | 57.4 | 60.3 | 57.9 | 49.1 | 40.3 | 34.1 |
| 100 CM AM | 0.00 0.00 0.00 | 6 | 33.9 | 31.6 | 30.7 | 31.3 | 33.6 | 42.7 | 51.8 | 56.1 | 56.1 | 50.7 | 43.7 | 37.8 |
| 150 CM AM | 0.00 0.00 0.00 | 6 | 38.1 | 35.4 | 34.0 | 33.1 | 33.0 | 37.5 | 45.4 | 50.7 | 53.0 | 51.1 | 46.7 | 41.8 |
| 300 CM AM | — — | 6 | 42.7 | 40.4 | 38.6 | 37.2 | 36.6 | 36.7 | 39.8 | 43.7 | 46.6 | 47.9 | 47.2 | 45.1 |
| WINNIPEG INT. A. | | | | | | | | | | | | | | |
| JULY 1965-DEC. 1972 | | | | | | | | | | | | | | |
| 001 CM AM | 0.00 1.00 2.00 | 1 | 27.1 | 26.1 | 30.3 | 34.0 | 45.7 | — | 65.2 | 63.6 | 47.1 | 41.6 | 33.1 | 31.1 |
| 001 CM PM | 0.00 1.00 2.00 | 1 | 27.2 | 26.1 | 30.3 | 41.3 | 56.3 | — | 75.7 | 77.5 | 57.1 | 48.7 | 34.3 | 31.1 |
| 005 CM AM | 0.00 0.00 0.00 | 6 | 18.8 | 19.6 | 26.2 | 33.5 | 43.7 | 56.7 | 63.0 | 62.7 | 56.0 | 43.6 | 33.6 | 25.7 |
| 005 CM PM | 0.00 0.00 0.00 | 6 | 19.1 | 20.0 | 26.9 | 37.3 | 50.3 | 63.8 | 69.5 | 68.8 | 60.6 | 46.2 | 33.9 | 26.0 |
| 010 CM AM | 0.00 0.00 0.00 | 7 | 22.0 | 21.7 | 26.9 | 33.1 | 43.1 | 56.2 | 63.2 | 63.4 | 56.7 | 45.4 | 35.2 | 28.2 |
| 010 CM PM | 0.00 0.00 0.00 | 7 | 22.0 | 21.8 | 27.1 | 33.9 | 45.0 | 58.5 | 65.2 | 65.2 | 57.8 | 45.9 | 35.7 | 28.2 |
| 020 CM AM | 0.00 0.00 0.00 | 7 | 24.2 | 23.4 | 27.4 | 32.2 | 41.2 | 54.5 | 62.2 | 63.3 | 57.7 | 47.3 | 37.2 | 30.6 |
| 020 CM PM | 0.00 0.00 0.00 | 7 | 24.1 | 23.3 | 27.4 | 32.1 | 41.1 | 54.3 | 62.0 | 63.0 | 57.4 | 47.1 | 37.0 | 30.5 |
| 050 CM AM | 0.00 0.00 0.00 | 7 | 27.4 | 25.7 | 28.1 | 31.3 | 38.4 | 51.5 | 59.7 | 61.9 | 57.8 | 48.8 | 39.5 | 33.4 |
| 100 CM AM | 0.00 0.00 0.00 | 7 | 33.7 | 31.0 | 30.6 | 31.7 | 34.3 | 44.3 | 53.1 | 57.5 | 56.7 | 51.1 | 43.9 | 38.1 |
| 150 CM AM | 0.00 0.00 0.00 | 7 | 37.5 | 34.9 | 33.4 | 33.1 | 33.7 | 39.3 | 47.4 | 52.8 | 54.2 | 51.5 | 46.5 | 41.4 |
| 300 CM AM | — — | 6 | 43.6 | 41.4 | 39.5 | 38.3 | 37.5 | 38.0 | 40.8 | 44.5 | 47.2 | 48.6 | 47.8 | 46.0 |
| ONTARIO | | | | | | | | | | | | | | |
| ATIKOKAN | | | | | | | | | | | | | | |
| JULY 1966-DEC. 1972 | | | | | | | | | | | | | | |
| 001 CM AM | 0.00 0.00 0.00 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 001 CM PM | 0.00 0.00 0.00 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 005 CM AM | 0.00 0.00 0.00 | 7 | 29.8 | 29.9 | 30.1 | 33.1 | 44.7 | 56.0 | 61.6 | 59.5 | 52.4 | 40.7 | 32.5 | 29.7 |
| 005 CM PM | 0.00 0.00 0.00 | 7 | 29.9 | 29.9 | 30.2 | 38.5 | 54.6 | 65.1 | 71.4 | 68.9 | 59.7 | 43.9 | 32.8 | 29.7 |
| 010 CM AM | 0.00 0.00 0.00 | 7 | 32.1 | 32.1 | 32.4 | 35.3 | 47.1 | 58.5 | 63.8 | 62.0 | 55.1 | 43.6 | 34.9 | 32.2 |
| 010 CM PM | 0.00 0.00 0.00 | 7 | 32.2 | 32.1 | 32.4 | 39.3 | 55.2 | 65.8 | 72.2 | 69.8 | 61.1 | 46.0 | 35.1 | 32.2 |
| 020 CM AM | 0.00 0.00 0.00 | 7 | 32.6 | 32.4 | 32.5 | 35.6 | 48.3 | 59.2 | 65.0 | 64.1 | 57.5 | 45.5 | 36.1 | 33.1 |
| 020 CM PM | 0.00 0.00 0.00 | 7 | 32.7 | 32.4 | 32.5 | 36.2 | 49.6 | 60.6 | 66.7 | 65.3 | 58.4 | 45.7 | 36.0 | 33.1 |
| 050 CM AM | 0.00 0.00 0.00 | 7 | 33.9 | 33.7 | 33.4 | 35.4 | 46.8 | 57.2 | 63.5 | 63.7 | 58.7 | 48.0 | 38.7 | 35.0 |
| 100 CM AM | 0.00 0.00 0.00 | 7 | 36.6 | 35.8 | 35.1 | 35.5 | 43.0 | 52.0 | 58.3 | 60.4 | 58.2 | 50.7 | 42.6 | 38.1 |
| 150 CM AM | 0.00 0.00 0.00 | 7 | 39.4 | 38.3 | 37.4 | 36.8 | 40.5 | 47.1 | 52.7 | 56.0 | 56.1 | 52.1 | 46.1 | 41.6 |
| 300 CM AM | — — | 7 | 44.5 | 43.3 | 41.9 | 40.8 | 40.5 | 41.7 | 44.4 | 47.4 | 49.3 | 49.9 | 48.7 | 46.5 |

| Station and Depth | No. of Years of Obs | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sept. | Oct. | Nov. | Dec. |
|-------------------------|---------------------|------|------|------|------|------|------|------|------|-------|------|------|------|
| ONTARIO (Cont'd) | | | | | | | | | | | | | |
| GUELPH OAC | | | | | | | | | | | | | |
| AUG. 1962–NOV 1970 | | | | | | | | | | | | | |
| 001 CM AM | 8 | 30.7 | 29.2 | 31.1 | 38.9 | 50.7 | 61.5 | 66.1 | 63.8 | 56.9 | 47.1 | 39.5 | 32.8 |
| 001 CM PM | 8 | 31.1 | 30.5 | 32.7 | 46.2 | 60.6 | 73.1 | 78.8 | 75.1 | 67.5 | 53.8 | 41.8 | 33.5 |
| 005 CM AM | 1 | — | — | — | — | — | 60.2 | 65.8 | 65.2 | 59.1 | 50.4 | 42.0 | — |
| 005 CM PM | 1 | — | — | — | — | — | 70.6 | 74.7 | 74.0 | 64.1 | 54.4 | 44.3 | — |
| 010 CM AM | 8 | 32.0 | 30.4 | 31.6 | 39.1 | 50.4 | 60.4 | 65.6 | 64.1 | 58.4 | 49.4 | 41.3 | 34.3 |
| 010 CM PM | 7 | 32.1 | 30.9 | 32.0 | 42.2 | 55.9 | 66.9 | 72.6 | 70.5 | 63.9 | 52.5 | 42.6 | 34.6 |
| 020 CM AM | 7 | 33.5 | 31.9 | 32.4 | 39.5 | 50.8 | 61.1 | 66.2 | 65.3 | 60.7 | 51.7 | 43.3 | 36.0 |
| 020 CM PM | 7 | 33.4 | 32.0 | 32.4 | 39.9 | 51.5 | 61.8 | 67.0 | 66.0 | 61.3 | 51.8 | 43.3 | 36.0 |
| 050 CM AM | 8 | 36.2 | 34.4 | 33.9 | 38.8 | 48.7 | 57.3 | 63.0 | 63.6 | 60.5 | 53.4 | 45.9 | 39.1 |
| 100 CM AM | 7 | 38.8 | 36.8 | 35.7 | 38.6 | 46.0 | 54.3 | 60.0 | 62.0 | 60.3 | 54.8 | 48.0 | 41.9 |
| 150 CM AM | 8 | 41.1 | 39.1 | 37.7 | 39.0 | 45.2 | 51.5 | 56.5 | 59.0 | 58.7 | 55.1 | 50.1 | 44.5 |
| 300 CM AM | — | — | — | — | — | — | — | — | — | — | — | — | — |
| HARROW CDA | | | | | | | | | | | | | |
| JUNE 1958–DEC. 1972 | | | | | | | | | | | | | |
| 001 CM AM | 13 | 30.8 | 30.4 | 32.8 | 41.8 | 53.7 | 63.6 | 68.7 | 67.9 | 63.4 | 53.1 | 43.1 | 34.8 |
| 001 CM PM | 13 | 31.4 | 31.3 | 34.3 | 47.6 | 60.6 | 72.0 | 78.2 | 76.1 | 69.8 | 58.1 | 45.4 | 35.4 |
| 005 CM AM | 1 | — | — | — | — | 54.6 | 61.5 | 68.3 | 68.0 | 65.2 | 53.2 | 44.0 | 35.3 |
| 005 CM PM | 1 | — | — | — | — | 60.6 | 66.9 | 75.5 | 74.5 | 69.8 | 55.5 | 44.6 | 35.5 |
| 010 CM AM | 14 | 32.3 | 31.5 | 33.3 | 42.4 | 54.5 | 64.3 | 70.0 | 69.7 | 65.5 | 55.6 | 45.3 | 36.5 |
| 010 CM PM | 14 | 32.5 | 31.8 | 33.8 | 44.9 | 57.3 | 67.7 | 74.0 | 73.0 | 68.0 | 57.5 | 46.0 | 36.7 |
| 020 CM AM | 14 | 33.4 | 32.1 | 33.4 | 42.5 | 54.4 | 63.9 | 70.2 | 70.2 | 66.5 | 57.1 | 46.7 | 37.8 |
| 020 CM PM | 14 | 33.4 | 32.1 | 33.2 | 43.3 | 54.7 | 64.4 | 70.6 | 70.5 | 66.6 | 57.1 | 46.6 | 37.7 |
| 050 CM AM | 14 | 35.8 | 33.8 | 34.1 | 41.2 | 52.0 | 61.1 | 67.2 | 68.5 | 66.2 | 58.7 | 49.5 | 40.7 |
| 100 CM AM | 14 | 39.6 | 36.6 | 36.1 | 40.3 | 49.1 | 56.8 | 62.8 | 65.5 | 64.9 | 60.0 | 52.7 | 45.0 |
| 150 CM AM | 14 | 42.7 | 39.2 | 38.1 | 40.3 | 46.9 | 53.8 | 59.4 | 62.7 | 63.1 | 60.1 | 54.5 | 48.1 |
| 300 CM AM | — | — | — | — | — | — | — | — | — | — | — | — | — |
| KAPUSKASING CDA | | | | | | | | | | | | | |
| AUG. 1965–DEC. 1972 | | | | | | | | | | | | | |
| 001 CM AM | 3 | 33.0 | 32.9 | 33.0 | 33.7 | 43.3 | 55.9 | 63.0 | 58.4 | 49.4 | 40.1 | 34.1 | 33.2 |
| 001 CM PM | 3 | 33.0 | 32.9 | 33.0 | 36.3 | 53.7 | 66.6 | 76.0 | 70.6 | 56.6 | 43.3 | 34.2 | 33.2 |
| 005 CM AM | 4 | 31.0 | 31.0 | 31.6 | 33.4 | 43.4 | 56.2 | 60.0 | 59.1 | 54.2 | 42.9 | 34.2 | 32.3 |
| 005 CM PM | 3 | 31.0 | 31.0 | 31.6 | 36.1 | 55.0 | 67.6 | 69.7 | 69.1 | 58.9 | 46.0 | 34.4 | 32.6 |
| 010 CM AM | 6 | 31.6 | 31.3 | 31.5 | 32.9 | 43.5 | 55.5 | 60.8 | 58.8 | 51.7 | 42.6 | 34.7 | 33.3 |
| 010 CM PM | 6 | 31.6 | 31.3 | 31.5 | 34.0 | 48.2 | 60.9 | 65.0 | 63.2 | 54.6 | 43.7 | 34.8 | 33.3 |
| 020 CM AM | 6 | 33.8 | 33.4 | 33.4 | 34.7 | 45.8 | 57.8 | 63.8 | 63.1 | 56.7 | 45.6 | 36.8 | 35.1 |
| 020 CM PM | 6 | 33.8 | 33.4 | 33.4 | 34.9 | 46.5 | 58.6 | 64.0 | 63.4 | 56.6 | 45.5 | 36.8 | 35.1 |
| 050 CM AM | 6 | 35.7 | 35.0 | 34.4 | 35.3 | 43.5 | 54.2 | 60.4 | 61.2 | 57.0 | 48.0 | 39.8 | 37.1 |
| 100 CM AM | 5 | 38.2 | 37.2 | 36.4 | 36.4 | 40.1 | 48.4 | 54.9 | 57.5 | 55.9 | 50.5 | 43.9 | 40.3 |
| 150 CM AM | 5 | 40.4 | 39.1 | 38.2 | 37.7 | 39.4 | 45.0 | 50.4 | 53.9 | 53.9 | 51.1 | 46.5 | 42.6 |
| 300 CM AM | 1 | 42.7 | 41.4 | 40.4 | 39.5 | 39.0 | 40.6 | — | 45.0 | — | — | — | — |

| Station and Depth | | No. of Years of Obs | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sept. | Oct. | Nov. | Dec. |
|-------------------------------|--|---------------------|------|------|------|------|------|------|------|------|-------|------|------|------|
| ONTARIO (Cont'd) | | | | | | | | | | | | | | |
| OTTAWA CDA | | | | | | | | | | | | | | |
| JAN. 1958-DEC. 1972 | | | | | | | | | | | | | | |
| 001 CM AM | | 8 | 29.6 | 30.6 | 31.5 | 38.0 | 53.1 | 62.7 | 67.0 | 64.8 | 57.7 | 46.3 | 37.0 | 31.3 |
| 001 CM PM | | 8 | 30.0 | 30.7 | 32.3 | 45.7 | 63.0 | 75.3 | 79.5 | 76.4 | 66.7 | 52.8 | 39.2 | 31.8 |
| 005 CM AM | | 7 | 32.4 | 32.7 | 33.3 | 38.3 | 51.8 | 62.2 | 67.3 | 65.4 | 59.7 | 49.3 | 34.5 | 39.9 |
| 005 CM PM | | 7 | 32.5 | 32.7 | 33.3 | 42.4 | 58.5 | 69.9 | 75.5 | 72.2 | 65.0 | 52.9 | 41.0 | 34.5 |
| 010 CM AM | | 15 | 31.5 | 31.7 | 32.3 | 37.5 | 52.4 | 61.4 | 66.5 | 65.2 | 59.6 | 49.3 | 39.7 | 33.8 |
| 010 CM PM | | 15 | 31.5 | 31.7 | 32.4 | 40.5 | 56.6 | 66.7 | 71.8 | 69.8 | 63.1 | 51.6 | 40.5 | 33.9 |
| 020 CM AM | | 15 | 32.5 | 32.5 | 32.7 | 37.6 | 52.1 | 61.6 | 66.7 | 65.8 | 60.6 | 50.5 | 41.0 | 34.8 |
| 020 CM PM | | 15 | 32.6 | 32.4 | 32.8 | 38.7 | 54.0 | 63.9 | 69.1 | 67.7 | 61.9 | 51.3 | 41.2 | 34.8 |
| 050 CM AM | | 15 | 34.8 | 33.9 | 33.8 | 37.6 | 50.3 | 59.4 | 64.7 | 64.9 | 61.2 | 52.8 | 40.7 | 37.5 |
| 100 CM AM | | 15 | 37.4 | 35.7 | 35.0 | 36.5 | 45.3 | 53.1 | 58.6 | 60.6 | 59.1 | 53.6 | 46.5 | 40.3 |
| 150 CM AM | | 15 | 40.8 | 39.1 | 38.1 | 38.1 | 43.8 | 50.1 | 55.3 | 58.3 | 58.2 | 55.0 | 49.8 | 44.4 |
| 300 CM AM | | 7 | 44.7 | 42.7 | 41.4 | 40.7 | 42.8 | 47.0 | 51.8 | 55.3 | 56.4 | 55.5 | 52.4 | 47.9 |
| TORONTO | | | | | | | | | | | | | | |
| DEC. 1960-DEC. 1972 | | | | | | | | | | | | | | |
| 001 CM AM | | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 001 CM PM | | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 005 CM AM | | 12 | 30.8 | 29.3 | 32.8 | 42.4 | 54.5 | 64.5 | 69.7 | 67.8 | 62.5 | 52.9 | 42.5 | 34.9 |
| 005 CM PM | | 12 | 31.7 | 30.5 | 34.3 | 47.9 | 61.2 | 71.8 | 76.8 | 73.8 | 67.4 | 56.5 | 44.3 | 35.1 |
| 010 CM AM | | 12 | 33.1 | 31.8 | 34.3 | 43.6 | 55.5 | 65.2 | 70.7 | 69.3 | 64.3 | 55.0 | 45.0 | 37.0 |
| 010 CM PM | | 12 | 33.5 | 32.0 | 34.6 | 45.2 | 57.0 | 66.9 | 72.2 | 70.6 | 65.5 | 55.8 | 45.4 | 37.0 |
| 020 CM AM | | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 020 CM PM | | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 050 CM AM | | 12 | 36.0 | 34.1 | 34.9 | 43.1 | 53.7 | 62.6 | 68.5 | 68.5 | 65.0 | 57.1 | 48.2 | 40.1 |
| 100 CM AM | | 12 | 42.0 | 39.6 | 38.8 | 42.4 | 49.8 | 57.1 | 62.9 | 65.1 | 64.0 | 59.4 | 53.2 | 46.5 |
| 150 CM AM | | 12 | 44.5 | 41.9 | 40.6 | 42.6 | 48.4 | 54.9 | 60.4 | 63.2 | 63.1 | 59.8 | 54.8 | 48.8 |
| 300 CM AM | | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TORONTO MET. RES. STN. | | | | | | | | | | | | | | |
| OCT. 1967-DEC. 1972 | | | | | | | | | | | | | | |
| 001 CM AM | | 1 | 25.1 | 25.5 | 27.1 | 36.1 | 46.9 | 60.5 | 62.5 | 59.7 | 58.1 | 48.4 | 36.7 | 32.2 |
| 001 CM PM | | 1 | 26.5 | 27.3 | 31.1 | 46.3 | 66.1 | 80.5 | 76.2 | 75.9 | 67.6 | 57.8 | 40.8 | 32.8 |
| 005 CM AM | | 3 | 29.5 | 26.8 | 29.7 | 39.5 | 49.7 | 60.2 | 65.8 | 63.8 | 58.3 | 46.4 | 37.3 | 31.1 |
| 005 CM PM | | 3 | 30.0 | 28.4 | 32.4 | 48.2 | 60.3 | 72.1 | 78.3 | 76.3 | 67.0 | 52.8 | 39.3 | 31.7 |
| 010 CM AM | | 5 | 28.6 | 26.7 | 28.9 | 37.8 | 48.9 | 59.3 | 64.3 | 63.2 | 59.0 | 48.2 | 37.5 | 31.4 |
| 010 CM PM | | 5 | 28.8 | 27.2 | 29.7 | 42.5 | 54.7 | 66.0 | 71.2 | 69.8 | 63.1 | 51.3 | 38.8 | 31.6 |
| 020 CM AM | | 5 | 31.2 | 29.3 | 30.5 | 38.9 | 51.0 | 61.2 | 66.7 | 66.4 | 61.9 | 51.5 | 40.7 | 34.3 |
| 020 CM PM | | 5 | 31.1 | 29.2 | 30.5 | 39.4 | 51.1 | 61.6 | 67.2 | 66.9 | 62.2 | 51.9 | 40.7 | 34.2 |
| 050 CM AM | | 5 | 32.0 | 31.0 | 30.7 | 36.5 | 46.4 | 55.1 | 61.2 | 62.2 | 59.8 | 52.5 | 42.5 | 36.4 |
| 100 CM AM | | 5 | 36.3 | 34.6 | 33.6 | 36.2 | 44.5 | 51.7 | 57.8 | 60.3 | 59.3 | 54.5 | 46.9 | 40.5 |
| 150 CM AM | | 5 | 42.7 | 41.3 | 39.1 | 39.5 | 45.4 | 51.6 | 57.0 | 60.4 | 60.2 | 57.3 | 51.9 | 47.4 |
| 300 CM AM | | 5 | 47.6 | 46.5 | 44.1 | 43.0 | 43.4 | 46.0 | 49.3 | 52.1 | 54.1 | 55.1 | 53.2 | 51.4 |

| Station and Depth | No. of Years of Obs | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sept. | Oct. | Nov. | Dec. |
|----------------------|---------------------|------|------|------|------|------|------|------|------|-------|------|------|------|
| NEW BRUNSWICK | | | | | | | | | | | | | |
| FREDERICTON CDA | | | | | | | | | | | | | |
| DEC. 1968-DEC. 1972 | | | | | | | | | | | | | |
| 001 CM AM | 14 | 28.2 | 28.7 | 31.1 | 35.1 | 49.5 | 60.7 | 66.1 | 63.9 | 56.2 | 46.0 | 36.4 | 30.6 |
| 001 CM PM | 14 | 29.0 | 29.4 | 31.7 | 41.5 | 61.4 | 73.4 | 78.4 | 75.8 | 65.8 | 52.5 | 38.6 | 31.1 |
| 005 CM AM | 1 | — | — | — | — | — | — | — | 63.6 | 57.5 | 45.3 | 34.8 | 32.9 |
| 005 CM PM | 1 | — | — | — | — | — | — | — | 74.2 | 64.4 | 49.5 | 35.8 | 32.8 |
| 010 CM AM | 14 | 29.2 | 29.2 | 31.4 | 35.2 | 49.7 | 60.8 | 66.3 | 65.2 | 58.2 | 48.1 | 37.8 | 32.0 |
| 010 CM PM | 14 | 29.6 | 29.6 | 31.5 | 38.2 | 55.3 | 66.5 | 71.9 | 70.1 | 62.0 | 50.7 | 38.7 | 32.1 |
| 020 CM AM | 14 | 30.3 | 29.8 | 31.7 | 35.3 | 50.2 | 61.2 | 66.9 | 66.1 | 59.6 | 49.7 | 39.2 | 33.1 |
| 020 CM PM | 14 | 30.4 | 29.9 | 31.7 | 36.0 | 51.3 | 62.2 | 67.8 | 66.8 | 60.0 | 50.0 | 39.2 | 33.0 |
| 050 CM AM | 14 | 33.3 | 31.9 | 32.6 | 34.8 | 47.6 | 58.1 | 64.0 | 64.5 | 59.8 | 51.6 | 42.0 | 35.9 |
| 100 CM AM | 14 | 37.4 | 35.6 | 35.2 | 35.5 | 43.3 | 52.3 | 58.1 | 60.3 | 58.2 | 53.0 | 45.8 | 40.1 |
| 150 CM AM | 14 | 40.0 | 38.1 | 37.2 | 36.8 | 41.3 | 48.6 | 54.0 | 56.9 | 56.5 | 53.2 | 47.8 | 42.7 |
| 300 CM AM | 1 | 45.3 | 43.3 | 41.5 | 40.5 | 40.0 | 42.7 | 47.2 | 50.1 | 51.6 | 51.6 | 49.9 | 47.0 |
| NOVA SCOTIA | | | | | | | | | | | | | |
| KENTVILLE CDA | | | | | | | | | | | | | |
| JULY 1964-DEC. 1972 | | | | | | | | | | | | | |
| 001 CM AM | 6 | 31.7 | 31.8 | 32.4 | 37.3 | 47.4 | 58.4 | 64.9 | 63.8 | 56.9 | 48.9 | 39.7 | 34.5 |
| 001 CM PM | 6 | 31.9 | 32.1 | 33.7 | 44.6 | 58.1 | 69.1 | 76.9 | 74.2 | 66.2 | 54.4 | 42.0 | 34.9 |
| 005 CM AM | 3 | 31.9 | 30.9 | 32.2 | 35.3 | 49.5 | 60.2 | 66.5 | 65.6 | 58.7 | 49.8 | 39.4 | 33.5 |
| 005 CM PM | 3 | 32.1 | 31.3 | 33.0 | 39.4 | 59.0 | 71.2 | 79.0 | 76.0 | 66.4 | 55.0 | 41.5 | 33.7 |
| 010 CM AM | 9 | 32.4 | 32.1 | 32.7 | 37.3 | 48.7 | 59.6 | 66.3 | 65.6 | 59.1 | 50.6 | 40.7 | 34.9 |
| 010 CM PM | 9 | 32.5 | 32.2 | 33.3 | 41.2 | 54.4 | 65.5 | 72.8 | 71.2 | 63.8 | 53.6 | 42.2 | 35.1 |
| 020 CM AM | 9 | 32.6 | 32.1 | 32.6 | 37.5 | 49.1 | 60.0 | 66.8 | 66.4 | 60.2 | 51.5 | 41.4 | 35.1 |
| 020 CM PM | 9 | 32.6 | 32.1 | 32.8 | 39.4 | 51.4 | 62.3 | 69.3 | 68.6 | 61.8 | 52.6 | 42.0 | 35.2 |
| 050 CM AM | 9 | 34.3 | 33.5 | 33.4 | 38.1 | 48.5 | 58.7 | 65.7 | 66.3 | 61.3 | 53.5 | 43.8 | 37.2 |
| 100 CM AM | 9 | 37.7 | 36.2 | 35.5 | 37.7 | 44.6 | 52.8 | 59.5 | 62.1 | 60.0 | 54.6 | 47.2 | 41.0 |
| 150 CM AM | 9 | 39.8 | 37.8 | 36.8 | 37.8 | 42.9 | 49.9 | 56.1 | 59.3 | 58.4 | 54.9 | 49.2 | 43.4 |
| 300 CM AM | 3 | 44.6 | 42.1 | 40.5 | 39.7 | 41.0 | 45.8 | 50.2 | 54.2 | 55.6 | 54.8 | 51.8 | 23.8 |
| TRURO | | | | | | | | | | | | | |
| NOV. 1964-DEC. 1972 | | | | | | | | | | | | | |
| 001 CM AM | 5 | 31.6 | 30.7 | 31.3 | 35.1 | 46.0 | 56.8 | 62.9 | 62.4 | 56.0 | 49.2 | 39.7 | 34.5 |
| 001 CM PM | 5 | 31.8 | 31.2 | 32.5 | 39.1 | 52.1 | 64.5 | 65.8 | 70.4 | 62.6 | 52.7 | 41.3 | 34.8 |
| 005 CM AM | 3 | 31.3 | 29.9 | 31.2 | 34.0 | 45.4 | 56.5 | 62.1 | 63.2 | 57.6 | 50.3 | 42.3 | 35.4 |
| 005 CM PM | 3 | 31.4 | 30.4 | 31.5 | 35.3 | 48.9 | 60.2 | 66.4 | 67.0 | 60.8 | 51.8 | 42.9 | 35.2 |
| 010 CM AM | 8 | 32.4 | 31.3 | 31.9 | 35.0 | 45.9 | 56.9 | 62.9 | 63.5 | 58.0 | 51.0 | 42.0 | 35.7 |
| 010 CM PM | 8 | 32.3 | 31.4 | 32.0 | 36.4 | 49.0 | 60.2 | 66.8 | 66.6 | 60.5 | 52.1 | 42.6 | 35.7 |
| 020 CM AM | 8 | 33.3 | 32.2 | 32.3 | 35.1 | 46.0 | 56.6 | 62.8 | 63.9 | 58.9 | 52.0 | 43.1 | 36.6 |
| 020 CM PM | 8 | 33.2 | 32.1 | 32.1 | 35.3 | 46.5 | 57.4 | 63.6 | 64.3 | 59.2 | 52.0 | 43.0 | 36.5 |
| 050 CM AM | 8 | 35.5 | 33.9 | 33.5 | 35.3 | 44.4 | 54.2 | 60.4 | 62.5 | 59.0 | 53.3 | 45.3 | 38.9 |
| 100 CM AM | 8 | 38.2 | 36.3 | 35.6 | 36.0 | 41.9 | 50.1 | 55.9 | 59.1 | 57.6 | 53.8 | 47.6 | 41.8 |
| 150 CM AM | 8 | 40.5 | 38.2 | 37.1 | 36.8 | 40.6 | 47.1 | 52.6 | 56.1 | 56.1 | 53.7 | 49.0 | 43.9 |
| 300 CM AM | 3 | 45.1 | 42.5 | 40.8 | 39.7 | 40.0 | 43.6 | 47.9 | 51.5 | 53.6 | 53.3 | 51.2 | 47.8 |

