

PRAIRIE PROVINCES WATER BOARD

REPORT NO. 7.

COMPILATION AND RECONSTRUCTION OF

MONTHLY STREAMFLOW RECORDS

FOR THE

QU'APPELLE - ASSINIBOINE STUDY

Prepared by:

October, 1963.

Hydrology Division, P.F.R.A.

October 25, 1963.

At its meeting in September 1962, the Prairie Provinces Water Board agreed to undertake a joint study of future water requirements in the Assiniboine and Qu'Appelle River systems in connection with the question of possible future needs, which might be supplied from the South Saskatchewan Reservoir. The Secretary was instructed to prepare an outline of such a study for consideration by the Board.

This outline was approved at a Board meeting on January 16, 1963. On January 17, 1963, the Secretary met with the Saskatchewan and Manitoba members and their advisors to agree upon work assignments.

The Secretary was asked to compile and reconstruct where necessary streamflow records for the two basins under study and to report on this matter before November 1, 1963.

The attached report is submitted to the Board in accordance with these instructions. Acknowledgement should be made of the work of Messrs. J. G. S. McMorine and W. L. Kreuder, who were directly responsible for compiling this report.

E. F. Durrant,  
Engineering Secretary,  
Prairie Provinces Water Board.

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### Figures

1. Key map of Assiniboine-Souris-Qu'Appelle watershed showing the location of 81 stations and their periods of record (in pocket).
2. Key map showing the location of 40 stations with reconstructed records (in pocket).
3. 5-year moving mean flow of Assiniboine River at Headingley.
4. 5-year moving mean flow of Assiniboine River at Brandon.
5. 5-year moving mean flow of Qu'Appelle River at Tantallon.

INTRODUCTION

At the end of 1961 a provisional list provided by the Water Resources Branch of the Canada Department of Northern Affairs and National Resources shows 81 stream gauging stations being operated in the Assiniboine-Souris-Qu'Appelle watershed. The locations of these stations and the number of years during which stream flows were recorded are shown on Figure 1. The approximate locations, the station numbers, periods of record and other pertinent information are condensed in Table I.

Summary tables of monthly streamflow have been compiled for 40 of these stations, for which 9 years of record or more are available. Figure 2 shows the location of these stations. Recorded flows have been supplemented by reconstructing the "missing" flows by correlation or other estimates. For 38 of these stations the summarized flow tables cover the period 1911 - 1961, for stations 5JG<sub>4</sub> and 5JH<sub>1</sub> the period 1921-1961.

Stream flow records are not compiled for the other 41 stations in the watershed because the periods of record are very short. For example: 26 new stations were established in the period 1959-1961.

The recorded data have been abstracted from various Surface Water Supply Papers published by the Water Resources Branch of the Canada Department of Northern Affairs and National Resources; the most recently published is No. 132 for the water year 1959-60. Recorded flows for the period 1960-62 are taken from the provisional data which were compiled by the Calgary and Winnipeg district offices of the Water Resources Branch. Although the provisional data are advance information subject to correction, the figures have been accepted for the purposes of this study.

The estimated figures to 1956 are taken from the "Compilation Of Run-Off Records For The Canadian Prairies", prepared by the P.F.R.A.-Hydrology Division for the Prairie Provinces Water Board in June 1961. After critical examination of the bases of reconstruction, which were used in that compilation, it was decided to employ the same bases and methods to reconstruct the missing records-where necessary-to the end of 1961. Of the 40 stations shown on Figure 2, complete records were available at 14 stations for the period 1957-61, and only winter flows were missing during that period at a further 23 stations. Hence, it did not seem worthwhile to adjust the original correlation graphs by the use of the five additional years of records.

Recent records indicate that there has been a severe drought in these watersheds from 1957 to 1962. During this recent period, actual flow records were being obtained at most of the stations shown in Fig. 2. We also know by examining the records at a few key stations that a severe drought occurred during the 1930's. If the more recent drought could be used for water supply studies, it would be unnecessary to reconstruct flow records for all stations for the 1930's. Figures 3, 4, and 5 show the 5 year moving means of annual flow for three stations. These suggest that, on a 5-year drought basis, the period from 1930 on is one that must be studied.

Assiniboine River Basin (continued)5ME<sub>3</sub>Birdtail Creek near Birtle:

Available records: 1914-17, 1924-26, 1956-date.

1911-13, 1918-23, 1927-55, correlated with Minnedosa River at Beilby's Bridge on yearly basis with monthly distribution\*

5MD<sub>4</sub>Assiniboine River near Kamsack:

Available records: 1944-date.

1911-43, correlated with Assiniboine River at Millwood on a yearly basis with monthly distribution.\*

5ME<sub>1</sub>Assiniboine River at Russell (Millwood):

Available records: 1913-32, 1942-date.

1911-12, correlated with Assiniboine River at Brandon on a yearly basis with monthly distribution;\*

1933-41 correlated with Assiniboine River at Brandon minus the Qu'Appelle River and Minnedosa River flows on a yearly basis with monthly distribution.\*5MC<sub>1</sub>Assiniboine River at Sturgis:

Available records: 1944-date.

1911-43, correlated with Assiniboine River at Kamsack minus Whitesand River at Canora on a yearly basis with monthly distribution.\*5MD<sub>5</sub>Shell River near Inglis:

Available records: 1948-date.

1914-20, correlated with Shell River at Asessippi.

1921-32 computed from drainage area coefficient at Roblin.

1933-47 correlated with Assiniboine River at Millwood minus Assiniboine River at Kamsack on a yearly basis with monthly distribution.\*



Assiniboine River Basin (continued)

- 5MB<sub>3</sub>      Whitesand River near Canora:  
 Available records: 1943-date.  
 1911-42, correlated with Assiniboine River at Kamsack on a yearly basis with monthly distribution.\*
- 5MB<sub>1</sub>      Yorkton Creek near Ebenezer:  
 Available records: 1941 - date.  
 1911-40, correlated with Whitesand River at Canora on a yearly basis with monthly distribution.\*
- 5MF<sub>1</sub>      Minnedosa River near Minnedosa (Beilby's Bridge):  
 Available records: 1914-30, 1959 - date.  
 1911-12, 1931-44; correlated with Assiniboine River at Millwood minus Assiniboine River at Kamsack on a yearly basis with monthly distribution.\*  
 1913, computed from drainage area coefficient at Riverdale (5MF<sub>3</sub>).  
 1944-58, computed from drainage area coefficient at Rivers.
- 5MF<sub>18</sub>      Minnedosa River near Rivers:  
 Available records: 1944 - date.  
 1911-43, computed from drainage area coefficient at Beilby's Bridge.
- 5MF<sub>8</sub>      Rolling River near Erickson (Lea's Bridge):  
 Available records: 1915-22, 1961-date.  
 1911-14, 1923-60, correlated with Minnedosa River at Beilby's Bridge on a yearly basis with monthly distribution.\*

Souris River Basin

- 5NB<sub>7</sub>      Souris River near Estevan: Available records: 1911-23, 1933-55, 1960-date.  
1923-32, correlated with Moose Jaw Creek at McCarthy's Farm on a yearly basis with monthly distribution.\*  
1956-59 computed from drainage area coefficient at Roche Percee.
- 5ND<sub>3</sub>      Souris River near Oxbow: Available records: 1928-30, 1943-date.  
1911-27, 1931-42, correlated with Moose Mountain Creek at Oxbow plus Souris River near Estevan on a yearly basis with monthly distribution.\*
- 5ND<sub>0.1</sub>      Souris River near Sherwood: Available records: 1930-date.  
1911-29, correlated with Souris River near Oxbow on a yearly basis with monthly distribution.\*
- 5NG<sub>1</sub>      Souris River at Wawanesa: Available records: 1913-date.  
1911-12, correlated with Assiniboine River at Portage la Prairie minus Assiniboine River at Brandon on a yearly basis with monthly distribution.\*
- 5NF<sub>0.1</sub>      Souris River near Westhope: Available records: 1929-date.  
1911-28, computed from drainage area coefficient at Wawanesa.
- 5NB<sub>1</sub>      Long Creek near Estevan: Available records: 1913-23, 1933, 1935-date.  
1911-12, 1924-32, 1934, correlated with Souris River near Estevan on a yearly basis with monthly distribution.\*
- 5ND<sub>4</sub>      Moose Mountain Creek near Oxbow:  
Available records: 1913-17, 1933-date.  
1911-13, 1918-32, correlated with Souris River near Estevan on a yearly basis with monthly distribution.\*



Souris River Basin (continued)

5NF<sub>2</sub> Antler River near Melita: Available records: 1936, 1943-date.  
1911-30, correlated with Souris River at Wawanesa minus Souris River at Melita on a yearly basis with monthly distribution.\*  
1931-35, 1937-42, correlated with Pipestone Creek near Reston on a yearly basis with monthly distribution.\*

5NF<sub>7</sub> Gainsborough Creek near Lyleton (Melita): Available records:  
1936, 1943-date.  
1911-30, correlated with Souris River at Wawanesa minus Souris River at Melita on a yearly basis with monthly distribution.\*  
1931-35, 1937-42, correlated with Antler River near Melita on a yearly basis with monthly distribution.\*

5NF<sub>8</sub> Graham Creek near Melita: Available records: 1936, 1943-date.  
1911-42, correlated with Souris River at Wawanesa minus Souris River at Melita on a yearly basis with monthly distribution.\*

5NG<sub>3</sub> Pipestone Creek near Pipestone (Reston):  
Available records: 1943-date.  
1911-13, correlated with Moose Mountain Creek at Oxbow on a yearly basis with monthly distribution.\*  
1914-42, estimated by multiple correlation (see Hydrology Report No. 264 "Hydrology of Pipestone Creek Watershed", Page 5).

Qu'Appelle River Basin

5JG<sub>7</sub> Qu'Appelle River below Junction Moose Jaw Creek:  
Available records: 1944-date.  
1911-31, 1933-40, correlated with Qu'Appelle River at Lumsden minus Waskana Creek at the mouth on a yearly basis with monthly distribution.\*  
1932, 1941-43 historical records of Buffalo Pound Lake levels correlated with flows of Moose Jaw Creek.

Qu'Appelle River Basin (continued)

- 5JG<sub>4</sub>      Qu'Appelle River above Buffalo Pound Lake (Keeler):  
 Available records: 1936, 1944-date.  
 1921-43, correlated with Moose Jaw Creek at the mouth on a yearly basis with monthly distribution.\*
- 5JK<sub>2</sub>      Qu'Appelle River below Craven Dam:  
 Available records: 1926-27, 1944-date.  
 1911-20, correlated with Qu'Appelle River at Tantallon on a yearly basis with monthly distribution.\*  
 1921-43, correlated with Qu'Appelle River at Lumsden.
- 5JF<sub>1</sub>      Qu'Appelle River at Lumsden:  
 Available records: 1911-23, 1928-31, 1944-date.  
 1923-26, 1933-40, correlated with Moose Jaw Creek at McCarthy's Farm on a yearly basis with monthly distribution.\*  
 1927 estimated from a special flood report by the Hydrometric Service.  
 1932, correlated with Waskana Creek at the mouth plus Qu'Appelle River below Junction Moose Jaw Creek on a yearly basis with monthly distribution.\*  
 1941-43, correlated with levels of Buffalo Pound Lake and Waskana Creek at the mouth.
- 5JM<sub>3</sub>      Qu'Appelle River at Tantallon: Available records: 1920-31, 1942-date.  
 1911-19, 1932-41, correlated with Assiniboine River at Brandon minus Assiniboine River at Millwood minus Minnedosa River at Rivers on a yearly basis with monthly distribution.\*

Qu'Appelle River Basin (continued)

- 5JM<sub>12</sub>     Kaposvar Creek near Esterhazy (Tantallon):  
 Available records: 1942-date.  
 1911-41; correlated with Qu'Appelle River at Tantallon minus Qu'Appelle River below Craven Dam on a yearly basis with monthly distribution.\*
- 5JM<sub>15</sub>     Cutarm Creek near Spyhill:  
 Available records: 1942-date.  
 1911-41, correlated with Qu'Appelle River at Tantallon minus Qu'Appelle River below Craven Dam on a yearly basis with monthly distribution.\*
- 5JL<sub>2</sub>     Indianhead Creek near Indian Head:  
 Available records: 1941-date.  
 1911-40, correlated with Qu'Appelle River at Tantallon minus Qu'Appelle River below Craven Dam on a yearly basis with monthly distribution.\*
- 5JK<sub>4</sub>     Jumping Deer Creek near Lipton (Fort Qu'Appelle):  
 Available records: 1941-date.  
 1911-40, correlated with Qu'Appelle River at Tantallon minus Qu'Appelle River below Craven Dam on a yearly basis with monthly distribution.\*
- 5JL<sub>5</sub>     Pheasant Creek near Abernethy:  
 Available records: 1946-date.  
 1911-40, correlated with Qu'Appelle River at Tantallon minus Qu'Appelle River below Craven Dam on a yearly basis with monthly distribution.\*  
 1941-45, computed by using drainage area coefficient 0.86.

Qu'Appelle River Basin (continued)5JH<sub>1</sub> Arm River near Bethune:

Available records: 1922-23, 1936, 1953-date.

1921, 1924-35, 1937-52, computed from drainage area coefficient of Qu'Appelle River above Buffalo Pound Lake.

5JF<sub>4</sub> Waskana Creek near Sedley:

Available records: 1944-date.

1911-43, correlated with Waskana Creek at Regina on a yearly basis with monthly distribution.\*

5JF<sub>5</sub> Waskana Creek above Junction Qu'Appelle River:

Available records: 1945-date.

1911-44, correlated with Waskana Creek at Regina on a yearly basis with monthly distribution.\*

5JE<sub>4</sub> Moose Jaw Creek near Rouleau:

Available records: 1944-date.

1911-43, correlated with Moose Jaw Creek at McCarthy's Farm on a yearly basis with monthly distribution.\*

5JE<sub>1</sub> Moose Jaw Creek above Thunder Creek (McCarthy's Farm):

Available records: 1911-31, 1933-40, 1954-date.

1932, 1941-53, correlated with Moose Jaw Creek above Junction with Qu'Appelle River on a yearly basis with monthly distribution.\*

5JG<sub>8</sub> Moose Jaw Creek above Junction Qu'Appelle River:

Available records: 1944-date.

1911-43, computed from dry drainage area coefficient at McCarthy's Farm.

\* Monthly flows estimated from monthly correlation graphs, then adjusted so that the total annual flow conforms to values obtained from an annual flow correlation graph.

EXPLANATION OF TABLES

1. The tables show the mean monthly discharge in cubic feet per second and the total annual flows in acre feet.
2. The recorded discharge figures are  
(a) unshaded  
or (b) in heavy type.
3. The drainage area figures were taken from the Surface Water Supply Papers published by the Water Resources Branch of the Canada Department of Northern Affairs and National Resources.



**TABLE I**  
**GAUGING STATIONS IN THE ASSINIBOINE-QU'APPELLE-SOURIS WATERSHED**

| HYDROMETRIC STATIONS                            | STATION INDEX NUMBER | PERIOD OF RECORD    | Recorded and Reconstructed 1911-date and shown in Fig. 2 | Change in Drainage Area by moving Station. (square miles) | REMARKS  | DRAINAGE AREAS (IN SQUARE MILES) |                        |                        |
|---|----------------------|---------------------|--|---|--|----------------------------------|------------------------|------------------------|
|   |                      |                     |  |   |  | W.R.P. <sup>*</sup> D.A.         | DRY <sup>**</sup> D.A. | WET <sup>**</sup> D.A. |
| Assiniboine River at Sturgis                    | 5 MC1                | 1944 -              | X  |   |  | 884                              | 370                    | 770                    |
| " " near Kamsack                                | 5 MD4                | 1944 -              | X  |   |  | 4860                             | 1575                   | 3147                   |
| " " near Russell                                | 5 ME1                | 1913-32, 1942 -     | X  | -50   | Prior to 1958 "At Millwood"                            | 7640                             | 2404                   | 4631                   |
| " " near Miniota                                | 5 ME6                | 1954 -              |  |   | Taken over in 1961 from Prov. of Manitoba              | 32040                            | na                     | na                     |
| " " at Brandon                                  | 5 MH1                | 1911 -              | X  |   |  | 35550                            | 8352                   | 20000                  |
| " " near Holland                                | 5 MH5                | 1954 -              |  |   | Taken over in 1961 from Prov. of Manitoba              | 61980                            | na                     | na                     |
| " " near Portage la Prairie                     | 5 MJ3                | 1922-30, 1952 -     | X  |   | Poor records in 1922                                   | 62140                            | na                     | na                     |
| " " at Headingley                               | 5 MJ1                | 1913 -              | X  |   |  | 62510                            | na                     | na                     |
| Keybrook Creek near Stenen                      | 5 MC2                | 1957 -              |  |   |  | 102                              | na                     | na                     |
| Whitesand River near Sheha                      | 5 MB4                | 1957 -              |  |   |  | 317                              | na                     | na                     |
| " " near Canara                                 | 5 MB3                | 1943 -              | X  |   |  | 3113                             | 823                    | 1729                   |
| Yorkton Creek near Ebenezer                     | 5 MB1                | 1941 -              | X  |   |  | 949                              | 111                    | 229                    |
| Little Boggy Creek near Côté                    | 5 MD6                | 1957 -              |  |   |  | 60                               | na                     | na                     |
| Shell River near Inglis                         | 5 MD5                | 1948 -              | X  |   |  | 798                              | 249                    | 516                    |
| Conjuring Creek near Russell                    | 5 ME5                | 1959 -              |  |   |  | 33                               | na                     | na                     |
| Birdtail Creek near Birtle                      | 5 ME3                | 1914-18, 24-28, 53- | X  |   | Records poor: 1918, 27-28, 53-56, Prior to 1953 "5ME2" | 377                              | 124                    | 381                    |
| Arrow River near Arrow River                    | 5 MG1                | 1959 -              |  |   |  | 236                              | na                     | na                     |
| Gopher Creek near Virden                        | 5 MG3                | 1959 -              |  |   |  | 120                              | na                     | na                     |
| Bosshill Creek near Virden                      | 5 MG2                | 1959 -              |  |   |  | 77                               | na                     | na                     |
| Oak River near Rivers                           | 5 MG4                | 1959 -              |  |   |  | 495                              | na                     | na                     |
| Minnedosa River near Minnedosa                  | 5 MF1                | 1914-30, 1959 -     | X  | +38   | Prior to 1959 "At Beilby's Bridge"                     | 1030                             | 164                    | 664                    |
| " " near Rapid City                             | 5 MF21               | 1961 -              |  |   |  | 1410                             | na                     | na                     |
| " " near Rivers                                 | 5 MF18               | 1944 -              | X  | +16   | Prior to 1948 "2 Miles North of Rivers, 5 MF18"        | 1490                             | 257                    | 977                    |
| Rolling River near Erickson                     | 5 MF8                | 1915-22, 1961 -     | X  | 0   | Prior to 1961 "At CNR Leo's Bridge"                    | 235                              | 66                     | 240                    |
| Little Souris River near Brandon                | 5 MH6                | 1961 -              |  |   |  | 282                              | na                     | na                     |
| Cypress River near Cypress River                | 5 MH4                | 1961 -              |  |   |  | 484                              | na                     | na                     |
| Souris River near Halbrite                      | 5 NB17               | 1959 -              |  |   |  | 1370                             | na                     | na                     |
| " " near Estevan                                | 5 NB7                | 1911-23, 33-55, 60- | X  |   | Prior to 1955: 5NB2 and 5NB4                           | 5210                             | 862                    | 2425                   |
| " " at Roche Percee                             | 5 NB9                | 1956 -              |  |   |  | 5770                             | na                     | na                     |
| " " near Oxbow                                  | 5 ND3                | 1928-30, 1943-      | X  |   |  | 9480                             | 1471                   | 3568                   |
| " " near Sherwood                               | 5 ND01               | 1930 -              | X  |   | Prior to 1955: 5NF02                                   | 9650                             | 1531                   | 3683                   |
| " " near Westhope                               | 5 NF01               | 1929 -              | X  |   |  | 17600                            | 3215                   | 7733                   |
| " " at Wawanesa                                 | 5 NG1                | 1913 -              | X  |   |  | 24500                            | 4203                   | 11065                  |
| Yellow Grass Ditch near Yellow Grass            | 5 NB11               | 1957 -              |  |   |  | 896                              | na                     | na                     |
| Tatagwa Lake Drain near Weyburn                 | 5 NB18               | 1960 -              |  |   |  | 757                              | na                     | na                     |
| Roughbark Creek above Roughbark Reservoir       | 5 NB15               | 1959 -              |  |   |  | 696                              | na                     | na                     |
| " " below " "                                   | 5 NB23               | 1960 -              |  |   |  | 112                              | na                     | na                     |
| Jewel Creek near Goodwater                      | 5 NB14               | 1959 -              |  |   |  | 91.7                             | na                     | na                     |
| Lang Creek near Maxim                           | 5 NA4                | 1959 -              |  |   |  | 609                              | na                     | na                     |
| " " at Western Crossing of Intern. Bdy.         | 5 NA3                | 1959 -              |  |   |  | 2020                             | na                     | na                     |
| " " near Crasby                                 | 5 NB01               | 1944 -              |  |   |  | 1800                             | na                     | na                     |
| " " near Noonan                                 | 5 NB02               | 1959 -              |  |   |  | 2500                             | na                     | na                     |
| " " near Estevan                                | 5 NB1                | 1913-23, 33, 1935-  | X  | +10   | Prior to 1959: 5NB3                                    | 2680                             | 432                    | 900                    |
| Gibson Creek near Radville                      | 5 NA5                | 1959 -              |  |   |  | 271                              | na                     | na                     |
| Short Creek near Roche Percee                   | 5 NB21               | 1956 -              |  |   | Prior to 1960: 5NB8                                    | 480                              | na                     | na                     |
| Moose Mountain Creek below Moose Mountain Lake  | 5 NC1                | 1959 -              |  |   |  | 865                              | na                     | na                     |
| " " above Kisbey Irrigation Project             | 5 NC3                | 1960 -              |  |   |  | 1190                             | na                     | na                     |
| " " below " "                                   | 5 NC4                | 1960 -              |  |   |  | 1380                             | na                     | na                     |
| " " near Oxbow                                  | 5 ND4                | 1913-17, 1933 -     | X  |   | Prior to 1956: 5ND2                                    | 2310                             | 331                    | 582                    |
| Antler River near Melita                        | 5 NF2                | 1936, 1943 -        | X  |   |  | 1240                             | 294                    | 607                    |
| Gainsborough Creek near Lyleton                 | 5 NF7                | 1936, 1943 -        | X  | -59   | Prior to 1956 "Near Melita 5NF3"                       | 473                              | 154                    | 332                    |
| Graham Creek near Melita                        | 5 NF8                | 1936, 1943 -        | X  | -57   | Prior to 1958: 5NF4                                    | 291                              | 24                     | 70                     |
| Turtlehead Creek near Deloraine                 | 5 NG11               | 1959 -              |  |   |  | 39                               | na                     | na                     |
| Plum Creek near Souris                          | 5 NG7                | 1956 -              |  |   |  | 2590                             | na                     | na                     |
| Pipestone Creek above Moosomin Reservoir        | 5 NE3                | 1960 -              |  |   |  | 1120                             | na                     | na                     |
| " " near Moosomin                               | 5 NE1                | 1958 -              |  |   |  | 1460                             | na                     | na                     |
| " " near Pipestone                              | 5 NG3                | 1943 -              | X  | +20   | Prior to 1957 "Near Reston, 5NG6"                      | 1560                             | 445                    | 868                    |
| Elgin Creek near Souris                         | 5 NG12               | 1961 -              |  |   |  | 181                              | na                     | na                     |
| Oak Creek near Stockton                         | 5 NG10               | 1961 -              |  |   |  | 141                              | na                     | na                     |
| Qu'Appelle River below Junction Moose Jaw Creek | 5 JG7                | 1944 -              | X  |   |  | 4675                             | 1410                   | 3133                   |
| " " below Eyebrow Lake                          | 5 JG11               | 1961 -              |  |   |  | na                               | na                     | na                     |
| " " above Buffalo Pound Lake                    | 5 JG4                | 1936, 1944 -        | X  | -7  | In 1936 "Near Keeler"                                  | 932                              | 222                    | 427                    |
| " " below Craven Dam                            | 5 JK2                | 1926-27, 1944-      | X  |   | In 1926-27 "Near Craven"                               | 11200                            | 2826                   | 6921                   |
| " " at Lumsden                                  | 5 JF1                | 1911-23, 28-31, 44- | X  | 0   | Prior to 1944, gauge located at various points         | 6540                             | 1999                   | 4338                   |
| " " at Hyde                                     | 5 JM13               | 1956 -              |  |   |  | 19380                            | na                     | na                     |
| " " at Tantallon                                | 5 JM3                | 1920-31, 1942 -     | X  |   |  | 21400                            | 4225                   | 10423                  |
| Kapasvar Creek near Esterhazy                   | 5 JM2                | 1942 -              | X  | -67   | Prior to 1956 "Near Tantallon, 5JM5"                   | 605                              | 102                    | 423                    |
| Cufarm Creek near Spyhill                       | 5 JM5                | 1942 -              | X  | -20   | Prior to 1956: 5JM4                                    | 386                              | 90                     | 297                    |
| Moose Jaw Creek near Rouleau                    | 5 JE4                | 1944 -              | X  |   |  | 1200                             | 430                    | 989                    |
| " " above Thunder Creek                         | 5 JE1                | 1911-31, 33-40, 54- | X  | 0   | Prior to 1954 "At McCarthy's Farm"                     | 1960                             | 730                    | 1430                   |
| " " above Junction Qu'Appelle River             | 5 JG8                | 1944 -              | X  |   | Poor records for 1944                                  | 3390                             | 912                    | 234                    |
| Waskana Creek near Sedley                       | 5 JF4                | 1944 -              | X  |   |  | 316                              | 115                    | 260                    |
| " " above Junction Qu'Appelle River             | 5 JF5                | 1945 -              | X  |   |  | 1460                             | 415                    | 941                    |
| Arm River near Bethune                          | 5 JH1                | 1922-23, 36, 53-    | X  |   |  | 643                              | 177                    | 344                    |
| Boggy Creek above Junction Qu'Appelle River     | 5 JF6                | 1945 -              |  |   |  | 175                              | 56                     | 140                    |
| Fahlman Creek near Davin                        | 5 JF8                | 1951 -              |  |   |  | 6                                | na                     | na                     |
| Lanigan Creek below Diversion                   | 5 JJ3                | 1958 -              |  |   |  | na                               | na                     | na                     |
| " " Diversion to Little Manitou Lake            | 5 JJ4                | 1959 -              |  |   |  | na                               | na                     | na                     |
| Indianhead Creek near Indian Head               | 5 JL2                | 1941 -              | X  |   |  | na                               | na                     | na                     |
| Jumping Deer Creek near Lipton                  | 5 JK4                | 1941 -              | X  | -56   | Prior to 1945 "Near Fort Qu'Appelle"                   | 149                              | 45                     | 96                     |
| Pheasant Creek near Abernethy                   | 5 JL5                | 1946 -              | X  | 0   | Moved 400 yards upstream after 1957                    | 622                              | 41                     | 104                    |
|   |                      |                     |  |   |  | 510                              | 76                     | 180                    |

\* Drainage Areas published in Water Resources Paper  
 \*\* Dry and Wet Drainage Areas obtained in the course of a separate study by the Hydrology Division, PFRA.  
 na = Not available



# COMPLETED

Drainage Area: 884 sq.mi.

## HYDROMETRIC SUMMARY

ASSINIBOINE RIVER at Sturgis

Sec. 20-34-4-W2

(River, canal, lake)

5MC  
1

(Location)

(Recorded or Natural)

Station Index No.

Monthly Units (c.f.s.m., g.m.s.l.)

| Year          | (Recorded or Natural) |      |      |        |      |       |      |       |      |       |      |      | TOTAL<br>Ac.Ft | cfsm<br>Year |
|---------------|-----------------------|------|------|--------|------|-------|------|-------|------|-------|------|------|----------------|--------------|
|               | Jan.                  | Feb. | Mar. | Apr.   | May  | June  | July | Aug.  | Sep. | Oct.  | Nov. | Dec. |                |              |
| 1911          | 10                    | 10   | 11   | 190    | 240  | 310   | 85   | 44    | 100  | 160   | 40   | 50   | 75,500         |              |
| 1912          | 15                    | 11   | 10   | 510    | 710  | 520   | 106  | 105   | 235  | 335   | 112  | 81   | 166,300        |              |
| 1913          | 10                    | 8    | 14   | 1340   | 950  | 370   | 400  | 170   | 340  | 160   | 50   | 28   | 231,900        |              |
| 1914          | 15                    | 14   | 13   | 350    | 820  | 190   | 40   | 15    | 9    | 16    | 7    | 11   | 91,000         |              |
| 1915          | 5                     | 8    | 9    | 160    | 85   | 95    | 50   | 40    | 17   | 14    | 7    | 10   | 30,100         |              |
| 1916          | 6                     | 6    | 5    | 260    | 240  | 320   | 100  | 60    | 53   | 90    | 32   | 28   | 72,400         |              |
| 1917          | 5                     | 5    | 7    | 190    | 880  | 240   | 180  | 65    | 72   | 20    | 18   | 8    | 102,900        |              |
| 1918          | 6                     | 5    | 16   | 250    | 160  | 140   | 85   | 48    | 58   | 48    | 16   | 18   | 51,300         |              |
| 1919          | 10                    | 9    | 8    | 260    | 195  | 140   | 130  | 40    | 95   | 80    | 15   | 13   | 60,100         |              |
| 1920          | 11                    | 11   | 12   | 250    | 1110 | 175   | 45   | 80    | 28   | 28    | 22   | 18   | 109,100        |              |
| 1921          | 11                    | 10   | 14   | 825    | 785  | 610   | 385  | 240   | 370  | 150   | 100  | 60   | 214,600        |              |
| 1922          | 29                    | 21   | 26   | 1190   | 1890 | 785   | 151  | 126   | 170  | 72    | 49   | 41   | 275,300        |              |
| 1923          | 28                    | 28   | 16   | 500    | 1350 | 450   | 250  | 150   | 75   | 75    | 27   | 21   | 180,400        |              |
| 1924          | 10                    | 10   | 11   | 150    | 230  | 80    | 30   | 40    | 50   | 60    | 7    | 22   | 42,400         |              |
| 1925          | 12                    | 10   | 18   | 770    | 360  | 214   | 85   | 40    | 30   | 40    | 11   | 10   | 96,300         |              |
| 1926          | 8                     | 8    | 16   | 300    | 200  | 70    | 30   | 10    | 41   | 70    | 27   | 20   | 48,300         |              |
| 1927          | 13                    | 9    | 9    | 960    | 940  | 350   | 118  | 160   | 180  | 175   | 52   | 34   | 181,300        |              |
| 1928          | 16                    | 13   | 30   | 690    | 490  | 225   | 160  | 57    | 29   | 20    | 7    | 13   | 105,700        |              |
| 1929          | 10                    | 9    | 10   | 190    | 130  | 60    | 30   | 6     | 13   | 16    | 9    | 17   | 30,200         |              |
| 1930          | 10                    | 8    | 18   | 140    | 80   | 60    | 30   | 9     | 12   | 12    | 9    | 12   | 24,100         |              |
| 1931          | 9                     | 8    | 13   | 136    | 36   | 26    | 14   | 7     | 6    | 7     | 4    | 4    | 16,200         |              |
| 1932          | 4                     | 5    | 6    | 130    | 45   | 22    | 19   | 17    | 10   | 4     | 8    | 5    | 16,600         |              |
| 1933          | 4                     | 4    | 5    | 180    | 110  | 100   | 67   | 8     | 7    | 11    | 5    | 8    | 30,800         |              |
| 1934          | 4                     | 3    | 12   | 180    | 140  | 70    | 20   | 6     | 3    | 2     | 3    | 7    | 27,100         |              |
| 1935          | 5                     | 6    | 8    | 140    | 39   | 107   | 170  | 35    | 40   | 30    | 9    | 11   | 36,300         |              |
| 1936          | 8                     | 6    | 5    | 500    | 400  | 55    | 22   | 4     | 1    | 1     | 2    | 6    | 61,000         |              |
| 1937          | 4                     | 4    | 5    | 70     | 45   | 19    | 6    | 2     | 1    | 0     | 2    | 2    | 9,600          |              |
| 1938          | 4                     | 5    | 45   | 200    | 40   | 66    | 20   | 7     | 3    | 2     | 2    | 6    | 24,000         |              |
| 1939          | 6                     | 4    | 18   | 110    | 50   | 28    | 19   | 7     | 6    | 2     | 3    | 7    | 15,700         |              |
| 1940          | 2                     | 2    | 3    | 55     | 42   | 17    | 8    | 6     | 4    | 1     | 5    | 5    | 9,000          |              |
| 1941          | 4                     | 5    | 4    | 101    | 47   | 20    | 6    | 3     | 2    | 0     | 4    | 4    | 12,000         |              |
| 1942          | 3                     | 1    | 12   | 505    | 85   | 36    | 26   | 18    | 34   | 12    | 6    | 7    | 44,600         |              |
| 1943          | 5                     | 3    | 4    | 330    | 126  | 95    | 49   | 10    | 7    | 10    | 3    | 8    | 39,100         |              |
| 1944          | 0                     | 0.5  | 1    | 28.5   | 19.5 | 6.4   | 2.9  | 1     | 0.7  | 0.7   | .4   | .3   | 3,700          |              |
| 1945          | .2                    | .5   | 7.6  | 86     | 58   | 34.4  | 24.9 | 3.8   | 4.1  | 5     | 1.8  | 1    | 13,700         |              |
| 1946          | 1                     | 1    | 36   | 143    | 44.5 | 27.1  | 12.8 | 1.5   | 8.2  | 8.3   | 6    | 2    | 17,500         |              |
| 1947          | 1                     | .5   | .5   | 110    | 167  | 57    | 80   | 14.6  | 16.7 | 18.6  | 10   | 4    | 29,100         |              |
| 1948          | 1                     | .5   | 0    | 283    | 740  | 62    | 18.5 | 9.6   | 1.7  | 2.6   | 2    | 1    | 68,300         |              |
| 1949          | 0                     | 0    | .5   | 36     | 46.9 | 140   | 28.4 | 7     | 1.1  | 1.5   | .1   | 0    | 15,700         |              |
| 1950          | 0                     | 0    | 2    | 128    | 121  | 39.3  | 17   | 74    | 6.6  | 5.9   | 7    | 3    | 24,500         |              |
| 1951          | 1                     | 0.5  | 3    | 234    | 496  | 121   | 59   | 33.6  | 125  | 236   | 116  | 20   | 87,700         |              |
| 1952          | 8                     | 2    | 4    | 668    | 220  | 65    | 15.7 | 8.3   | 3    | 6.6   | 7    | 7    | 60,900         |              |
| 1953          | 2                     | 1    | 0.5  | 152    | 334  | 576   | 938  | 523   | 248  | 69    | 59   | 20   | 177,600        |              |
| 1954          | 15                    | 10   | 10   | 221    | 1030 | 1570  | 199  | 77    | 179  | 131   | 62   | 30   | 213,200        |              |
| 1955          | 20                    | 15   | 7    | 944    | 1270 | 162   | 32.8 | 11.9  | 7.6  | 9.2   | 7    | 4    | 151,300        |              |
| 1956          | 5                     | 3    | 3    | 155    | 1140 | 211   | 56   | 21.2  | 22.3 | 21.1  | 15   | 8    | 101,300        |              |
| TOTAL         | 357                   |      | 489  | 18,738 |      | 4,429 |      | 2,726 |      | 967   |      | 695  | 3,495,700      |              |
|               |                       | 304  |      | 15,301 |      | 9,135 |      | 2,423 |      | 2,240 |      |      |                |              |
| AVER-<br>AGE: | 8                     | 7    | 11   | 333    | 407  | 199   | 96   | 53    | 59   | 49    | 21   | 15   | 75,993         |              |

RECORDED  ESTIMATED







Drainage Area: \_\_\_\_\_

HYDROMETRIC SUMMARY

COMPLETED

2

ASSINIBOINE RIVER at Kamsack  
(River, canal, lake)

Sec. 34-29-32-W1

(Location)

5MD<sub>4</sub>

| Year          | (Recorded or Natural) |       |       |        |      |        |      |       |      |       |      |       | TOTAL<br>Ac.Ft | cfsr<br>Year |
|---------------|-----------------------|-------|-------|--------|------|--------|------|-------|------|-------|------|-------|----------------|--------------|
|               | Jan.                  | Feb.  | Mar.  | Apr.   | May  | June   | July | Aug.  | Sep. | Oct.  | Nov. | Dec.  |                |              |
| 1911          | 48                    | 46    | 58    | 560    | 600  | 725    | 400  | 200   | 200  | 325   | 100  | 116   | 203,700        |              |
| 1912          | 82                    | 60    | 58    | 1640   | 2000 | 1300   | 450  | 410   | 860  | 940   | 470  | 260   | 517,600        |              |
| 1913          | 45                    | 35    | 64    | 4230   | 2950 | 1150   | 1850 | 1700  | 720  | 330   | 220  | 136   | 813,00         |              |
| 1914          | 64                    | 61    | 58    | 1100   | 2220 | 690    | 190  | 80    | 30   | 35    | 25   | 47    | 278,800        |              |
| 1915          | 29                    | 40    | 42    | 470    | 205  | 260    | 200  | 90    | 30   | 35    | 30   | 48    | 89,100         |              |
| 1916          | 32                    | 32    | 29    | 870    | 510  | 1100   | 420  | 210   | 110  | 150   | 130  | 81    | 221,400        |              |
| 1917          | 28                    | 24    | 33    | 640    | 2500 | 805    | 690  | 260   | 145  | 45    | 55   | 38    | 320,200        |              |
| 1918          | 35                    | 32    | 95    | 790    | 390  | 390    | 280  | 190   | 115  | 80    | 65   | 70    | 152,800        |              |
| 1919          | 54                    | 49    | 45    | 795    | 450  | 380    | 490  | 170   | 170  | 130   | 65   | 61    | 172,700        |              |
| 1920          | 60                    | 60    | 63    | 820    | 3400 | 800    | 190  | 255   | 50   | 50    | 95   | 84    | 360,700        |              |
| 1921          | 55                    | 49    | 62    | 2600   | 2118 | 1980   | 1700 | 900   | 810  | 940   | 750  | 336   | 743,800        |              |
| 1922          | 184                   | 118   | 124   | 5100   | 7500 | 2300   | 500  | 400   | 170  | 70    | 130  | 111   | 1,011,300      |              |
| 1923          | 82                    | 84    | 81    | 1660   | 1600 | 1400   | 960  | 570   | 155  | 130   | 85   | 95    | 601,800        |              |
| 1924          | 57                    | 52    | 63    | 475    | 495  | 205    | 150  | 140   | 110  | 100   | 25   | 92    | 118,900        |              |
| 1925          | 68                    | 55    | 80    | 2440   | 750  | 640    | 350  | 130   | 65   | 75    | 50   | 60    | 286,200        |              |
| 1926          | 39                    | 40    | 81    | 950    | 480  | 200    | 90   | 40    | 90   | 120   | 110  | 90    | 140,400        |              |
| 1927          | 70                    | 58    | 59    | 3330   | 3110 | 1200   | 560  | 410   | 385  | 415   | 180  | 118   | 596,200        |              |
| 1928          | 84                    | 66    | 213   | 2100   | 1180 | 615    | 550  | 130   | 55   | 40    | 30   | 56    | 306,500        |              |
| 1929          | 50                    | 44    | 52    | 515    | 310  | 140    | 90   | 20    | 30   | 35    | 40   | 71    | 84,200         |              |
| 1930          | 45                    | 37    | 63    | 400    | 180  | 130    | 90   | 20    | 25   | 25    | 30   | 49    | 65,900         |              |
| 1931          | 45                    | 38    | 59    | 300    | 75   | 50     | 40   | 15    | 20   | 20    | 20   | 20    | 42,200         |              |
| 1932          | 15                    | 21    | 30    | 330    | 110  | 65     | 90   | 30    | 30   | 12    | 33   | 19    | 47,700         |              |
| 1933          | 24                    | 19    | 22    | 610    | 280  | 280    | 180  | 20    | 18   | 22    | 20   | 33    | 92,000         |              |
| 1934          | 21                    | 15    | 68    | 510    | 320  | 150    | 70   | 10    | 15   | 10    | 15   | 30    | 74,400         |              |
| 1935          | 24                    | 27    | 36    | 435    | 100  | 300    | 600  | 90    | 75   | 60    | 40   | 49    | 111,000        |              |
| 1936          | 41                    | 28    | 26    | 1540   | 1100 | 220    | 100  | 25    | 5    | 5     | 5    | 32    | 188,600        |              |
| 1937          | 20                    | 19    | 21    | 180    | 110  | 60     | 25   | 10    | 3    | 0     | 12   | 12    | 28,700         |              |
| 1938          | 17                    | 20    | 246   | 470    | 130  | 80     | 55   | 20    | 10   | 5     | 10   | 29    | 65,900         |              |
| 1939          | 21                    | 20    | 58    | 240    | 120  | 60     | 70   | 20    | 10   | 6     | 14   | 30    | 40,600         |              |
| 1940          | 10                    | 8     | 10    | 110    | 90   | 60     | 40   | 20    | 8    | 3     | 19   | 18    | 23,900         |              |
| 1941          | 20                    | 21    | 19    | 320    | 110  | 50     | 16   | 10    | 7    | 0     | 17   | 16    | 36,400         |              |
| 1942          | 14                    | 8     | 72    | 1470   | 230  | 90     | 110  | 70    | 80   | 35    | 25   | 31    | 134,100        |              |
| 1943          | 19                    | 13    | 16    | 975    | 340  | 250    | 120  | 30    | 20   | 20    | 15   | 29    | 111,000        |              |
| 1944          | 8                     | 6     | 6     | 90     | 49.2 | 34     | 16.7 | 4.1   | 4.9  | 5.9   | 4    | 16    | 14,800         |              |
| 1945          | 10                    | 13    | 26    | 227    | 143  | 84     | 45.9 | 9.6   | 10.9 | 20    | 9    | 22    | 37,400         |              |
| 1946          | 13                    | 16    | 110   | 486    | 111  | 41     | 22   | 9.5   | 8.4  | 13.5  | 6.7  | 29    | 52,100         |              |
| 1947          | 16                    | 16    | 22    | 763    | 641  | 174    | 170  | 34    | 29.4 | 39.7  | 25   | 61    | 120,400        |              |
| 1948          | 58                    | 48    | 45    | 1330   | 2600 | 195    | 86   | 35.4  | 9.1  | 14.4  | 20   | 25    | 273,100        |              |
| 1949          | 22                    | 10    | 11    | 97     | 58   | 185    | 49.5 | 16.7  | 4.8  | 6.2   | 1    | 26    | 29,400         |              |
| 1950          | 14                    | 13    | 16    | 514    | 338  | 83     | 35.4 | 79    | 19.2 | 11.5  | 12.5 | 49    | 71,500         |              |
| 1951          | 34                    | 37    | 36    | 722    | 1130 | 229    | 108  | 43.7  | 114  | 278   | 207  | 88    | 183,400        |              |
| 1952          | 43                    | 38    | 20    | 1320   | 430  | 122    | 43.6 | 11.2  | 7    | 8.7   | 6.8  | 41    | 124,500        |              |
| 1953          | 35                    | 39    | 60    | 583    | 572  | 746    | 2220 | 1100  | 448  | 184   | 157  | 132   | 381,800        |              |
| 1954          | 86                    | 70    | 71    | 1030   | 2120 | 3800   | 1340 | 334   | 433  | 483   | 276  | 198   | 618,300        |              |
| 1955          | 83                    | 76    | 73    | 3240   | 4650 | 1130   | 448  | 170   | 82   | 80    | 80   | 66    | 616,400        |              |
| 1956          | 71                    | 33    | 63    | 1500   | 4410 | 1040   | 384  | 111   | 81   | 63    | 67   | 34    | 477,600        |              |
| TOTAL         | 1,999                 |       | 2,647 | 56,235 |      | 16,726 |      | 5,877 |      | 3,803 |      |       | 11,082,000     |              |
|               |                       | 1,717 |       | 50,847 |      | 25,988 |      | 8,684 |      | 5,467 |      | 3,183 |                |              |
| AVER-<br>AGE: | 43                    | 37    | 58    | 1105   | 1222 | 565    | 364  | 189   | 128  | 119   | 83   | 69    | 240,900        |              |

RECORDED ESTIMATED







(River, canal, lake) (Location)

Recorded <sup>SME</sup><sub>1</sub> COMPLETED c.f.s.m.

(Recorded or Natural) Station Index No. Monthly Units (c.f.s.m., g.m.s.l.)

| Year          | Jan. | Feb. | Mar. | Apr.  | May   | June  | July  | Aug.  | Sep.  | Oct.  | Nov.  | Dec. | TOTAL<br>Ac-Ft | cfr<br>Year |
|---------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------------|-------------|
| 1911          | 76   | 72   | 92   | 800   | 1070  | 1330  | 770   | 450   | 420   | 600   | 430   | 180  | 385,200        |             |
| 1912          | 149  | 93   | 92   | 1890  | 3220  | 1960  | 850   | 620   | 1400  | 1465  | 980   | 400  | 793,800        |             |
| 1913          | 70   | 55   | 100  | 4810  | 4510  | 1852  | 3408  | 2548  | 1056  | 597   | 506   | 212  | 1,196,100      |             |
| 1914          | 101  | 96   | 91   | 1740  | 3660  | 1185  | 362   | 126   | 118   | 144   | 131   | 74   | 474,500        |             |
| 1915          | 45   | 63   | 65   | 590   | 247   | 257   | 370   | 149   | 119   | 140   | 130   | 75   | 135,800        |             |
| 1916          | 50   | 50   | 45   | 1445  | 841   | 1826  | 931   | 392   | 267   | 349   | 331   | 112  | 400,300        |             |
| 1917          | 43   | 38   | 52   | 888   | 3958  | 1100  | 1496  | 383   | 275   | 172   | 177   | 59   | 526,300        |             |
| 1918          | 55   | 50   | 148  | 1077  | 451   | 476   | 538   | 346   | 234   | 222   | 196   | 109  | 235,700        |             |
| 1919          | 84   | 76   | 70   | 967   | 705   | 401   | 984   | 289   | 268   | 299   | 172   | 95   | 267,100        |             |
| 1920          | 94   | 94   | 98   | 1270  | 5383  | 1303  | 431   | 196   | 167   | 184   | 242   | 131  | 583,600        |             |
| 1921          | 86   | 77   | 97   | 3060  | 3230  | 2680  | 3160  | 1260  | 1050  | 1460  | 1500  | 525  | 1,101,200      |             |
| 1922          | 288  | 184  | 193  | 6540  | 11400 | 3360  | 859   | 444   | 351   | 217   | 323   | 172  | 1,474,000      |             |
| 1923          | 128  | 132  | 127  | 2070  | 6610  | 2070  | 2040  | 850   | 329   | 317   | 237   | 148  | 915,800        |             |
| 1924          | 89   | 81   | 98   | 770   | 915   | 580   | 337   | 484   | 290   | 324   | 227   | 144  | 262,800        |             |
| 1925          | 106  | 86   | 125  | 3850  | 1170  | 1090  | 741   | 274   | 189   | 207   | 146   | 93   | 485,600        |             |
| 1926          | 60   | 63   | 127  | 1820  | 839   | 514   | 216   | 115   | 238   | 389   | 343   | 140  | 292,900        |             |
| 1927          | 110  | 90   | 92   | 4200  | 4740  | 1760  | 1200  | 649   | 655   | 719   | 416   | 184  | 896,400        |             |
| 1928          | 131  | 104  | 834  | 3080  | 1660  | 1080  | 1270  | 376   | 173   | 160   | 106   | 88   | 548,000        |             |
| 1929          | 78   | 68   | 81   | 1070  | 818   | 428   | 236   | 129   | 114   | 136   | 141   | 111  | 205,800        |             |
| 1930          | 71   | 57   | 99   | 952   | 506   | 371   | 237   | 118   | 101   | 119   | 119   | 76   | 170,400        |             |
| 1931          | 70   | 59   | 93   | 866   | 247   | 170   | 128   | 100   | 96    | 108   | 74.4  | 32.5 | 122,900        |             |
| 1932          | 22.9 | 38   | 46.6 | 894   | 348   | 199   | 269   | 142   | 118   | 80    | 60    | 30   | 135,400        |             |
| 1933          | 38   | 30   | 35   | 1300  | 705   | 700   | 450   | 100   | 85    | 111   | 94    | 52   | 223,000        |             |
| 1934          | 33   | 24   | 107  | 1150  | 855   | 410   | 180   | 74    | 65    | 74    | 81    | 47   | 185,900        |             |
| 1935          | 38   | 42   | 56   | 820   | 250   | 700   | 1400  | 280   | 210   | 198   | 130   | 76   | 254,300        |             |
| 1936          | 64   | 64   | 40   | 2660  | 2130  | 420   | 225   | 120   | 53    | 59    | 35    | 50   | 356,300        |             |
| 1937          | 31   | 29   | 33   | 573   | 390   | 205   | 95    | 43    | 26    | 30    | 25    | 18   | 90,400         |             |
| 1938          | 26   | 32   | 385  | 1100  | 425   | 235   | 155   | 100   | 62    | 70    | 63    | 45   | 163,000        |             |
| 1939          | 37   | 32   | 90   | 600   | 420   | 200   | 240   | 100   | 67    | 80    | 86    | 48   | 121,000        |             |
| 1940          | 15   | 13   | 16   | 200   | 195   | 130   | 80    | 65    | 45    | 57    | 56    | 28   | 54,400         |             |
| 1941          | 32   | 33   | 30   | 980   | 370   | 135   | 50    | 40    | 60    | 35    | 30    | 25   | 108,100        |             |
| 1942          | 22   | 12   | 113  | 2960  | 500   | 198   | 246   | 234   | 217   | 150   | 100   | 68   | 288,200        |             |
| 1943          | 30   | 20   | 25   | 2005  | 792   | 596.2 | 294   | 139   | 93    | 100   | 35    | 45   | 253,500        |             |
| 1944          | 13   | 10   | 10   | 291   | 236   | 174   | 114   | 54    | 83    | 85    | 65    | 25   | 70,100         |             |
| 1945          | 15   | 20   | 224  | 676   | 592   | 317   | 294   | 124   | 113   | 155   | 110   | 35   | 161,900        |             |
| 1946          | 20   | 25   | 216  | 1410  | 436   | 193   | 250   | 74    | 70    | 125   | 100   | 45   | 178,600        |             |
| 1947          | 25   | 25   | 35   | 1775  | 1810  | 993   | 1240  | 265   | 259   | 264   | 190   | 95   | 422,400        |             |
| 1948          | 90   | 75   | 70   | 1720  | 5560  | 664   | 651   | 463   | 156   | 115   | 105   | 85   | 594,200        |             |
| 1949          | 35   | 15   | 17   | 480   | 244   | 492   | 221   | 167   | 87    | 96    | 90    | 40   | 118,400        |             |
| 1950          | 25   | 20   | 25   | 850   | 1020  | 424   | 306   | 256   | 109   | 144   | 138   | 76   | 205,500        |             |
| 1951          | 53   | 58   | 57   | 1280  | 2020  | 518   | 334   | 232   | 349   | 472   | 358   | 138  | 355,600        |             |
| 1952          | 68   | 60   | 70   | 1940  | 769   | 317   | 168   | 98    | 121   | 126   | 87    | 64   | 233,900        |             |
| 1953          | 54   | 61   | 94   | 1220  | 992   | 1190  | 2700  | 1580  | 735   | 451   | 438   | 207  | 590,300        |             |
| 1954          | 135  | 109  | 110  | 1380  | 2990  | 4540  | 3280  | 595   | 692   | 841   | 794   | 311  | 954,700        |             |
| 1955          | 129  | 118  | 115  | 4040  | 6060  | 2360  | 775   | 346   | 145   | 163   | 160   | 103  | 878,400        |             |
| 1956          | 111  | 52   | 98   | 988   | 6610  | 2150  | 885   | 374   | 258   | 215   | 268   | 141  | 739,600        |             |
| TOTAL         | 3126 | 2685 | 4937 | 77109 | 92839 | 44253 | 35466 | 16371 | 12176 | 12684 | 10672 | 5043 | 19,213,000     |             |
| AVER-<br>AGE: | 68   | 58   | 107  | 1676  | 2018  | 962   | 771   | 356   | 265   | 276   | 232   | 110  | 417,674        |             |

(total - 46 years) BLACK - recorded; RED - estimated.

RECORDED ESTIMATED







Drainage Area: 798 sq.mi.

# COMPLETED

## HYDROLOGIC SUMMARY

SHELL RIVER - at Inglis  
(River, canal, lake)

Sec. 4-23-28-W1

(Location)

2

5MD5

(Recorded or Natural) Station Index No. Monthly Units (c.f.s.m., g.m.s.l.)

| Year          | (Recorded or Natural) |       |       |        |        |        |        |       |       |       |       |       | TOTAL<br>Ac.Ft | of sm<br>Year |
|---------------|-----------------------|-------|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|----------------|---------------|
|               | Jan.                  | Feb.  | Mar.  | Apr.   | May    | June   | July   | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |                |               |
| 1911          | 34                    | 38    | 43    | 160    | 185    | 425    | 210    | 175   | 150   | 230   | 200   | 50    | 114,700        |               |
| 1912          | 56                    | 48    | 44    | 130    | 540    | 445    | 230    | 130   | 380   | 350   | 342   | 155   | 172,500        |               |
| 1913          | 34                    | 32    | 50    | 375    | 835    | 544    | 490    | 700   | 268   | 194   | 186   | 92    | 230,700        |               |
| 1914          | 62                    | 62    | 43    | 335    | 720    | 190    | 104    | 52    | 56    | 66    | 63    | 28    | 108,000        |               |
| 1915          | 10                    | 15    | 25    | 160    | 99     | 105    | 125    | 56    | 63    | 97    | 70    | 30    | 51,700         |               |
| 1916          | 60                    | 30    | 25    | 606    | 362    | 401    | 271    | 88    | 102   | 164   | 125   | 60    | 125,200        |               |
| 1917          | 29                    | 29    | 34    | 118    | 722    | 478    | 647    | 148   | 112   | 68    | 88    | 37    | 152,600        |               |
| 1918          | 35                    | 38    | 70    | 277    | 176    | 229    | 376    | 205   | 130   | 112   | 75    | 57    | 107,800        |               |
| 1919          | 51                    | 42    | 31    | 311    | 369    | 166    | 386    | 133   | 163   | 137   | 73    | 41    | 115,300        |               |
| 1920          | 58                    | 61    | 46    | 245    | 1400   | 509    | 178    | 87    | 71    | 77    | 97    | 67    | 176,000        |               |
| 1921          | 28                    | 31    | 35    | 252    | 496    | 806    | 583    | 450   | 268   | 268   | 275   | 145   | 220,300        |               |
| 1922          | 77                    | 56    | 71    | 917    | 1908   | 526    | 240    | 132   | 128   | 98    | 131   | 83    | 264,800        |               |
| 1923          | 73                    | 52    | 53    | 382    | 1070   | 626    | 347    | 176   | 92    | 104   | 96    | 54    | 189,500        |               |
| 1924          | 25                    | 6     | 10    | 71     | 343    | 284    | 156    | 324   | 146   | 179   | 107   | 59    | 103,900        |               |
| 1925          | 49                    | 52    | 79    | 774    | 342    | 492    | 359    | 133   | 97    | 115   | 109   | 55    | 160,000        |               |
| 1926          | 44                    | 44    | 66    | 605    | 300    | 226    | 95     | 84    | 122   | 217   | 151   | 66    | 121,800        |               |
| 1927          | 43                    | 41    | 45    | 353    | 938    | 466    | 368    | 203   | 186   | 166   | 182   | 84    | 186,500        |               |
| 1928          | 43                    | 42    | 238   | 372    | 391    | 352    | 295    | 169   | 91    | 89    | 60    | 48    | 132,600        |               |
| 1929          | 42                    | 42    | 48    | 360    | 230    | 167    | 94     | 50    | 44    | 55    | 66    | 48    | 75,100         |               |
| 1930          | 36                    | 10    | 36    | 208    | 161    | 161    | 97     | 60    | 56    | 53    | 60    | 48    | 60,700         |               |
| 1931          | 36                    | 24    | 24    | 158    | 85     | 66     | 57     | 36    | 51    | 47    | 42    | 36    | 39,900         |               |
| 1932          | 24                    | 18    | 24    | 185    | 109    | 73     | 139    | 54    | 55    | 60    | 48    | 36    | 49,900         |               |
| 1933          | 18                    | 17    | 17    | 355    | 200    | 290    | 288    | 60    | 41    | 60    | 41    | 28    | 81,500         |               |
| 1934          | 16                    | 14    | 50    | 360    | 265    | 200    | 65     | 40    | 35    | 40    | 40    | 25    | 69,400         |               |
| 1935          | 19                    | 24    | 27    | 200    | 80     | 280    | 470    | 125   | 100   | 95    | 44    | 36    | 90,800         |               |
| 1936          | 34                    | 28    | 18    | 655    | 560    | 170    | 90     | 75    | 35    | 35    | 20    | 30    | 105,700        |               |
| 1937          | 15                    | 15    | 10    | 220    | 140    | 100    | 40     | 15    | 10    | 15    | 10    | 10    | 36,100         |               |
| 1938          | 12                    | 19    | 190   | 340    | 130    | 90     | 60     | 49    | 30    | 36    | 24    | 20    | 60,400         |               |
| 1939          | 17                    | 20    | 43    | 190    | 140    | 100    | 90     | 50    | 35    | 50    | 40    | 25    | 48,300         |               |
| 1940          | 6                     | 7     | 6     | 50     | 40     | 40     | 5      | 20    | 16    | 30    | 15    | 15    | 15,100         |               |
| 1941          | 15                    | 20    | 11    | 380    | 135    | 64     | 10     | 10    | 11    | 20    | 5     | 15    | 42,000         |               |
| 1942          | 11                    | 6     | 55    | 840    | 145    | 73     | 80     | 135   | 110   | 75    | 45    | 25    | 96,200         |               |
| 1943          | 15                    | 13    | 10    | 595    | 350    | 270    | 110    | 80    | 50    | 53    | 30    | 24    | 96,400         |               |
| 1944          | 6                     | 5     | 2     | 100    | 70     | 90     | 50     | 30    | 50    | 47    | 35    | 15    | 30,200         |               |
| 1945          | 6                     | 11    | 268   | 220    | 200    | 145    | 142    | 75    | 63    | 90    | 55    | 20    | 78,900         |               |
| 1946          | 9                     | 14    | 147   | 500    | 150    | 110    | 134    | 42    | 40    | 75    | 55    | 24    | 78,500         |               |
| 1947          | 12                    | 14    | 16    | 555    | 590    | 550    | 655    | 180   | 173   | 158   | 105   | 42    | 184,700        |               |
| 1948          | 55                    | 49    | 33    | 430    | 1040   | 218    | 406    | 296   | 96    | 73    | 59    | 43    | 170,300        |               |
| 1949          | 21                    | 10    | 9     | 133    | 105    | 166    | 86     | 83    | 44    | 41    | 45    | 20    | 49,100         |               |
| 1950          | 15                    | 13    | 12    | 128    | 348    | 234    | 202    | 122   | 46    | 79    | 70    | 39    | 79,400         |               |
| 1951          | 32                    | 38    | 300   | 325    | 625    | 154    | 132    | 99    | 177   | 200   | 143   | 71    | 122,800        |               |
| 1952          | 41                    | 39    | 32    | 363    | 199    | 129    | 68     | 40.3  | 64    | 71    | 48    | 33    | 67,900         |               |
| 1953          | 38                    | 40    | 35    | 230    | 319    | 372    | 687    | 186   | 195   | 160   | 189   | 106   | 154,700        |               |
| 1954          | 82                    | 71    | 51    | 241    | 530    | 1070   | 494    | 114   | 185   | 208   | 151   | 159   | 202,700        |               |
| 1955          | 79                    | 77    | 54    | 593    | 618    | 267    | 153    | 51    | 37.1  | 52    | 41    | 53    | 125,300        |               |
| 1956          | 68                    | 34    | 46    | 169    | 508    | 230    | 252    | 97    | 87    | 69    | 62    | 46.9  | 101,400        |               |
| TOTAL         | 1,564                 |       | 2,314 |        | 19,268 |        | 10,553 |       | 4,568 |       | 4,018 |       | 5,147,500      |               |
|               |                       | 1,431 |       | 15,374 |        | 13,149 |        | 5,719 |       | 4,780 |       | 2,302 |                |               |
| AVER-<br>AGE: | 34                    | 31    | 50    | 334    | 419    | 286    | 229    | 124   | 99    | 104   | 88    | 40    | 111,900        |               |

☐ RECORDED ☐ ESTIMATED







Drainage Area:

**COMPLETED**

HYDROMETRIC SUMMARY

WHITESAND RIVER at Canora  
(River, canal, lake)

Sec 28-30-3-W2

**2**

**5MB3**

(Location)

| Year          | (Recorded or Natural) |      |      |        |        |       |       |       |       |       |      |      | TOTAL<br>Ac.Ft | cfsm<br>Year |
|---------------|-----------------------|------|------|--------|--------|-------|-------|-------|-------|-------|------|------|----------------|--------------|
|               | Jan                   | Feb. | Mar. | Apr.   | May    | June  | July  | Aug.  | Sep.  | Oct.  | Nov. | Dec. |                |              |
| 1911          | 2                     | 7    | 13   | 270    | 125    | 255   | 239   | 116   | 68    | 95    | 18   | 16   | 75,500         |              |
| 1912          | 26                    | 18   | 18   | 820    | 600    | 620   | 250   | 200   | 540   | 500   | 250  | 100  | 241,500        |              |
| 1913          | 6                     | 4    | 9    | 2360   | 1260   | 620   | 1060  | 1150  | 260   | 125   | 76   | 40   | 440,400        |              |
| 1914          | 9                     | 9    | 8    | 600    | 780    | 310   | 100   | 50    | 40    | 5     | 5    | 4    | 114,900        |              |
| 1915          | 6                     | 19   | 19   | 210    | 35     | 60    | 90    | 45    | 8     | 5     | 5    | 7    | 29,500         |              |
| 1916          | 8                     | 8    | 6    | 450    | 80     | 170   | 210   | 110   | 35    | 25    | 23   | 13   | 87,200         |              |
| 1917          | 6                     | 5    | 7    | 310    | 760    | 275   | 385   | 160   | 59    | 8     | 5    | 5    | 139,900        |              |
| 1918          | 8                     | 7    | 34   | 800    | 60     | 120   | 125   | 105   | 38    | 9     | 8    | 6    | 54,200         |              |
| 1919          | 11                    | 13   | 11   | 390    | 70     | 110   | 245   | 95    | 57    | 18    | 10   | 9    | 62,700         |              |
| 1920          | 17                    | 17   | 14   | 450    | 1520   | 450   | 100   | 155   | 20    | 6     | 20   | 17   | 170,200        |              |
| 1921          | 16                    | 14   | 13   | 1650   | 850    | 970   | 1070  | 650   | 190   | 500   | 450  | 120  | 405,000        |              |
| 1922          | 25                    | 16   | 13   | 1230   | 4540   | 1000  | 285   | 245   | 25    | 9     | 20   | 15   | 578,400        |              |
| 1923          | 27                    | 28   | 20   | 900    | 2430   | 610   | 545   | 360   | 55    | 25    | 18   | 28   | 305,400        |              |
| 1924          | 16                    | 14   | 18   | 240    | 80     | 40    | 75    | 70    | 40    | 13    | 4    | 10   | 37,400         |              |
| 1925          | 20                    | 16   | 15   | 1270   | 110    | 200   | 180   | 65    | 18    | 10    | 7    | 9    | 116,800        |              |
| 1926          | 10                    | 10   | 20   | 475    | 90     | 42    | 40    | 15    | 30    | 20    | 22   | 16   | 47,400         |              |
| 1927          | 20                    | 23   | 25   | 1950   | 1450   | 580   | 345   | 165   | 150   | 180   | 50   | 20   | 299,400        |              |
| 1928          | 23                    | 18   | 95   | 1060   | 260    | 180   | 290   | 45    | 14    | 4     | 4    | 7    | 120,400        |              |
| 1929          | 12                    | 10   | 12   | 230    | 51     | 20    | 40    | 9     | 8     | 4     | 5    | 9    | 24,600         |              |
| 1930          | 7                     | 5    | 7    | 180    | 25     | 20    | 30    | 7     | 6     | 4     | 4    | 5    | 18,000         |              |
| 1931          | 10                    | 6    | 10   | 100    | 11     | 10    | 9     | 8     | 6     | 4     | 3    | 3    | 10,800         |              |
| 1932          | 2                     | 5    | 6    | 130    | 20     | 14    | 50    | 11    | 10    | 5     | 5    | 2    | 15,700         |              |
| 1933          | 4                     | 2    | 3    | 315    | 40     | 60    | 55    | 5     | 4     | 5     | 3    | 3    | 30,000         |              |
| 1934          | 4                     | 2    | 20   | 245    | 45     | 35    | 30    | 5     | 6     | 3     | 3    | 2    | 24,000         |              |
| 1935          | 4                     | 4    | 6    | 165    | 16     | 75    | 270   | 30    | 20    | 9     | 5    | 6    | 37,000         |              |
| 1936          | 10                    | 6    | 5    | 740    | 290    | 65    | 56    | 14    | 4     | 2     | 3    | 5    | 72,100         |              |
| 1937          | 4                     | 4    | 4    | 65     | 25     | 12    | 14    | 7     | 1     | 0     | 2    | 2    | 8,400          |              |
| 1938          | 2                     | 2    | 65   | 140    | 32     | 21    | 15    | 5     | 4     | 1     | 1    | 2    | 17,500         |              |
| 1939          | 2                     | 5    | 8    | 80     | 25     | 9     | 30    | 5     | 2     | 1     | 1    | 2    | 10,200         |              |
| 1940          | 2                     | 1    | 1    | 40     | 15     | 12    | 15    | 8     | 2     | 1     | 2    | 1    | 6,000          |              |
| 1941          | 3                     | 2    | 2    | 124    | 14     | 9     | 2     | 3     | 2     | 0     | 2    | 1    | 9,900          |              |
| 1942          | 2                     | 1    | 17   | 610    | 34     | 24    | 53    | 27    | 23    | 7     | 0    | 0    | 47,900         |              |
| 1943          | 0                     | 0    | 0    | 440    | 79     | 55    | 22.2  | 3     | 2     | 0.5   | 3    | 0    | 36,000         |              |
| 1944          | 0                     | 0    | 0    | 39.7   | 11.6   | 9.6   | 1.2   | 0     | 0     | 0     | 0    | 0    | 3,800          |              |
| 1945          | 0                     | 0    | 18.4 | 44.8   | 16.1   | 11.3  | 8.7   | 0     | 1     | 2.6   | 1.5  | 1    | 6,400          |              |
| 1946          | 0.5                   | 0    | 53   | 97     | 15     | 4.4   | 1.9   | 0.1   | 2     | 6.1   | 4.7  | 3    | 11,300         |              |
| 1947          | 1                     | 0.5  | 2    | 428    | 292    | 57    | 37.7  | 4.4   | 3.3   | 5.2   | 5    | 1    | 50,700         |              |
| 1948          | 2                     | 1.5  | 1    | 964    | 845    | 33.1  | 25.6  | 4.6   | 0.1   | 0.3   | 2.5  | 1    | 113,700        |              |
| 1949          | 0.5                   | 0    | 0    | 48.3   | 5.6    | 31.1  | 2.9   | 4.6   | 4     | 1     | 1    | 0.5  | 6,200          |              |
| 1950          | 0                     | 0    | 1    | 291    | 77     | 11.6  | 6.7   | 5.1   | 2     | 1     | 0.5  | 0    | 23,800         |              |
| 1951          | 0                     | 0    | 0    | 314    | 312    | 34.8  | 13.5  | 2.2   | 6.6   | 14    | 10   | 8    | 43,300         |              |
| 1952          | 6                     | 5    | 5    | 345    | 39.3   | 8.2   | 0.9   | 0.2   | 0.1   | 0.1   | 0    | 0    | 24,400         |              |
| 1953          | 0                     | 0    | 1    | 289    | 103    | 243   | 715   | 316   | 102   | 51    | 51   | 60   | 116,100        |              |
| 1954          | 30                    | 20   | 20   | 672    | 489    | 1710  | 620   | 202   | 229   | 273   | 153  | 30   | 267,900        |              |
| 1955          | 20                    | 15   | 25   | 1780   | 2640   | 727   | 377   | 142   | 31.5  | 34.7  | 30   | 20   | 354,100        |              |
| 1956          | 10                    | 5    | 3    | 1300   | 2280   | 621   | 239   | 68    | 48.6  | 28.8  | 25   | 10   | 281,300        |              |
| TOTAL         | 464                   | 372  | 686  | 23,168 | 10,975 | 8,368 | 5,036 | 2,343 | 2,026 | 1,324 | 598  | 13   | 4,997,400      |              |
| AVER-<br>AGE: | 10                    | 8    | 15   | 594    | 504    | 239   | 182   | 109   | 51    | 44    | 29   | 13   | 108,600        |              |

RECORDED

ESTIMATED







Drainage Area: \_\_\_\_\_

**COMPLETED**  
HYDROMETRIC SUMMARY

2

YORKTON CREEK at Ebenezer  
(River, canal, lake)

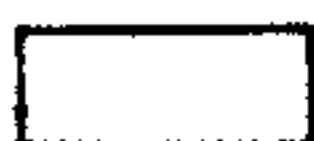
Sec 28-27-4-W2

5MB<sub>1</sub>

(Location)

(Recorded or Natural)      Station Index No.      Monthly Units (c.f.s.m., g.m.s.l.)

| Year          | (Recorded or Natural) |      |      |       |       |       |       |       |      |      |      |      | TOTAL<br>Ac.Ft | ofsm<br>Year |
|---------------|-----------------------|------|------|-------|-------|-------|-------|-------|------|------|------|------|----------------|--------------|
|               | Jan.                  | Feb. | Mar. | Apr.  | May   | June  | July  | Aug.  | Sep. | Oct. | Nov. | Dec. |                |              |
| 1911          | 1                     | 1    | 6    | 69    | 13    | 65    | 50    | 20    | 18   | 24   | 4    | 3    | 16,600         |              |
| 1912          | 2                     | 1    | 6    | 190   | 140   | 175   | 60    | 55    | 144  | 137  | 65   | 25   | 60,300         |              |
| 1913          | 1                     | 1    | 4    | 620   | 320   | 190   | 280   | 410   | 78   | 36   | 20   | 10   | 119,700        |              |
| 1914          | 1                     | 1    | 5    | 139   | 180   | 85    | 20    | 12    | 5    | 2    | 1    | 1    | 27,200         |              |
| 1915          | 1                     | 2    | 2    | 40    | 6     | 12    | 14    | 9     | 5    | 4    | 2    | 3    | 6,000          |              |
| 1916          | 1                     | 1    | 3    | 100   | 10    | 117   | 50    | 20    | 6    | 6    | 4    | 2    | 19,200         |              |
| 1917          | 1                     | 1    | 2    | 78    | 215   | 105   | 85    | 30    | 16   | 4    | 2    | 1    | 32,800         |              |
| 1918          | 1                     | 1    | 10   | 85    | 14    | 30    | 26    | 20    | 7    | 3    | 2    | 1    | 12,000         |              |
| 1919          | 2                     | 2    | 4    | 82    | 10    | 28    | 55    | 18    | 10   | 6    | 2    | 1    | 13,300         |              |
| 1920          | 2                     | 2    | 7    | 109   | 358   | 135   | 24    | 34    | 5    | 1    | 2    | 1    | 41,300         |              |
| 1921          | 2                     | 3    | 6    | 425   | 205   | 302   | 280   | 165   | 120  | 150  | 130  | 32   | 109,900        |              |
| 1922          | 20                    | 13   | 24   | 870   | 1240  | 328   | 70    | 62    | 8    | 1    | 3    | 1    | 159,900        |              |
| 1923          | 3                     | 4    | 8    | 230   | 640   | 180   | 140   | 76    | 14   | 8    | 3    | 4    | 79,700         |              |
| 1924          | 2                     | 2    | 7    | 55    | 18    | 14    | 15    | 13    | 9    | 2    | 1    | 2    | 8,400          |              |
| 1925          | 3                     | 2    | 6    | 305   | 16    | 53    | 45    | 18    | 4    | 3    | 2    | 3    | 27,500         |              |
| 1926          | 2                     | 2    | 8    | 100   | 14    | 15    | 10    | 4     | 9    | 5    | 4    | 2    | 10,500         |              |
| 1927          | 2                     | 3    | 11   | 540   | 410   | 190   | 85    | 39    | 13   | 52   | 11   | 4    | 83,900         |              |
| 1928          | 2                     | 1    | 24   | 185   | 45    | 50    | 45    | 90    | 11   | 3    | 2    | 2    | 27,800         |              |
| 1929          | 2                     | 1    | 5    | 50    | 7     | 8     | 6     | 4     | 3    | 2    | 3    | 4    | 5,700          |              |
| 1930          | 1                     | 1    | 3    | 37    | 12    | 10    | 11    | 4     | 1    | 2    | 1    | 2    | 5,100          |              |
| 1931          | 1                     | 0    | 3    | 16    | 3     | 2     | 2     | 1     | 1    | 1    | 0    | 0    | 1,800          |              |
| 1932          | 0                     | 1    | 2    | 26    | 10    | 6     | 12    | 2     | 2    | 2    | 1    | 0    | 3,900          |              |
| 1933          | 1                     | 0    | 1    | 63    | 12    | 14    | 12    | 2     | 1    | 2    | 1    | 1    | 6,600          |              |
| 1934          | 1                     | 0    | 4    | 65    | 6     | 9     | 6     | 1     | 2    | 1    | 1    | 1    | 5,900          |              |
| 1935          | 1                     | 1    | 2    | 30    | 4     | 17    | 52    | 4     | 4    | 2    | 1    | 2    | 7,200          |              |
| 1936          | 2                     | 1    | 2    | 150   | 60    | 20    | 14    | 7     | 1    | 0    | 1    | 2    | 15,600         |              |
| 1937          | 1                     | 1    | 2    | 10    | 6     | 3     | 4     | 1     | 0    | 0    | 0    | 0    | 1,700          |              |
| 1938          | 0                     | 0    | 20   | 39    | 4     | 3     | 2     | 1     | 1    | 0    | 0    | 0    | 4,200          |              |
| 1939          | 0                     | 1    | 2    | 16    | 3     | 2     | 4     | 2     | 0    | 0    | 0    | 0    | 1,800          |              |
| 1940          | 0                     | 0    | 0    | 8     | 5     | 6     | 4     | 2     | 0    | 0    | 0    | 0    | 1,500          |              |
| 1941          | 0                     | 0    | 0    | 33    | 1     | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 2,000          |              |
| 1942          | 0                     | 0    | 0    | 109   | 9.4   | 0.9   | 0.1   | 8.8   | 0    | 0    | 0    | 0    | 7,700          |              |
| 1943          | 0                     | 0    | 0    | 106   | 11.9  | 6.3   | 1.9   | 0.8   | 0    | 0    | 0    | 0    | 7,600          |              |
| 1944          | 0                     | 0    | 0    | 24.9  | 0.6   | 1.1   | 0     | 0.2   | 0.3  | 0    | 0    | 0    | 1,600          |              |
| 1945          | 0                     | 0    | 24.1 | 16.6  | 0.9   | 0.3   | 3.3   | 0     | 0    | 0    | 0    | 0    | 2,700          |              |
| 1946          | 0                     | 0    | 47   | 7.5   | 0.5   | 0     | 0.4   | 0.4   | 0    | 0.4  | 0.1  | 0.1  | 3,400          |              |
| 1947          | 0.1                   | 0    | 0    | 151   | 40.2  | 5.6   | 3.0   | 0     | 0.1  | 0.2  | 0.1  | 0.1  | 12,000         |              |
| 1948          | 0                     | 0    | 0    | 201   | 185   | 3.3   | 7.4   | 0.9   | 0    | 0    | 0    | 0    | 24,000         |              |
| 1949          | 0                     | 0.5  | 3    | 81    | 2.6   | 31.9  | 2.4   | 0.3   | 0    | 0    | 0    | 0    | 7,300          |              |
| 1950          | 0                     | 0    | 0    | 113   | 4.4   | 0.4   | 1.2   | 0.3   | 0    | 0    | 0    | 0    | 7,000          |              |
| 1951          | 0                     | 0    | 0    | 227   | 19.4  | 1.7   | 1.4   | 1     | 1    | 1.4  | 1    | 0.5  | 15,100         |              |
| 1952          | 0.2                   | 0    | 0    | 46.1  | 0.4   | 0.5   | 0     | 0.1   | 0.1  | 0    | 0    | 0    | 2,800          |              |
| 1953          | 0                     | 0    | 0    | 107   | 5     | 46.2  | 106   | 26.7  | 13.6 | 11.2 | 10   | 2    | 19,800         |              |
| 1954          | 1                     | 0.5  | 1    | 77    | 74    | 246   | 216   | 95    | 88   | 86   | 48.2 | 6    | 56,800         |              |
| 1955          | 1                     | 0.5  | 1.5  | 446   | 567   | 252   | 129   | 52    | 12.4 | 12.5 | 5    | 2    | 89,700         |              |
| 1956          | 1                     | 0.2  | 0    | 355   | 710   | 248   | 78    | 31.1  | 31.5 | 10.1 | 5    | 1    | 89,200         |              |
| TOTAL         | 62                    | 53   | 266  | 6,825 | 5,620 | 3,018 | 2,031 | 1,353 | 674  | 580  | 338  | 122  | 1,266,000      |              |
| AVER-<br>AGE: | 1                     | 1    | 6    | 148   | 122   | 66    | 44    | 29    | 14   | 13   | 7    | 3    | 27,522         |              |



RECORDED



ESTIMATED







# COMPLETED

Drainage Area: 34,500 sq. mi.

## HYDROLOGIC SUMMARY

3

ASSINIBOINE RIVER at BRANDON  
(River, canal, lake)

NO. 24-10-19-W1  
(Location)

281

| Year          | (Recorded or Natural) |       |        |         |         |         |        |        |        |        |        |        | TOTAL<br>Ac.Ft | of am<br>Year |
|---------------|-----------------------|-------|--------|---------|---------|---------|--------|--------|--------|--------|--------|--------|----------------|---------------|
|               | Jan.                  | Feb.  | Mar.   | Apr.    | May     | June    | July   | Aug.   | Sep.   | Oct.   | Nov.   | Dec.   |                |               |
| 1911          | 180                   | 180   | 200    | 1800    | 2064    | 2999    | 1879   | 1082   | 961    | 1353   | 700    | 200    | 813,800        |               |
| 1912          | 200                   | 200   | 200    | 2000    | 6415    | 4591    | 2050   | 1700   | 5100   | 5580   | 1000   | 1000   | 1,724,500      |               |
| 1913          | 400                   | 274   | 200    | 2100    | 10200   | 5500    | 4100   | 5600   | 1610   | 1000   | 200    | 200    | 1,873,600      |               |
| 1914          | 200                   | 120   | 400    | 3000    | 5350    | 2400    | 774    | 280    | 189    | 235    | 200    | 170    | 813,800        |               |
| 1915          | 65                    | 80    | 90     | 200     | 580     | 462     | 582    | 358    | 245    | 100    | 170    | 100    | 229,500        |               |
| 1916          | 100                   | 75    | 100    | 4000    | 2546    | 3336    | 5186   | 870    | 489    | 599    | 200    | 200    | 974,600        |               |
| 1917          | 172                   | 140   | 156    | 1879    | 6075    | 2548    | 2801   | 708    | 392    | 200    | 200    | 100    | 909,600        |               |
| 1918          | 80                    | 91    | 229    | 1754    | 872     | 898     | 672    | 374    | 342    | 290    | 247    | 145    | 361,500        |               |
| 1919          | 120                   | 101   | 88     | 2937    | 1222    | 612     | 1134   | 321    | 289    | 345    | 220    | 144    | 454,400        |               |
| 1920          | 150                   | 151   | 214    | 2024    | 6892    | 2470    | 779    | 435    | 246    | 244    | 405    | 233    | 864,900        |               |
| 1921          | 150                   | 119   | 155    | 3670    | 4380    | 3160    | 3680   | 1480   | 936    | 1800   | 1990   | 870    | 1,566,700      |               |
| 1922          | 429                   | 257   | 369    | 4580    | 15300   | 8070    | 2360   | 1130   | 773    | 567    | 608    | 384    | 2,112,100      |               |
| 1923          | 257                   | 219   | 213    | 4460    | 14600   | 4320    | 4500   | 2660   | 1250   | 962    | 787    | 568    | 2,116,800      |               |
| 1924          | 315                   | 295   | 316    | 2210    | 3360    | 1780    | 1360   | 797    | 558    | 697    | 546    | 341    | 761,900        |               |
| 1925          | 212                   | 178   | 776    | 8170    | 4860    | 3050    | 2040   | 652    | 412    | 460    | 338    | 228    | 1,289,500      |               |
| 1926          | 128                   | 102   | 215    | 1940    | 1450    | 955     | 535    | 273    | 492    | 688    | 500    | 347    | 460,200        |               |
| 1927          | 210                   | 164   | 249    | 4950    | 15000   | 5870    | 3070   | 1760   | 1380   | 1420   | 270    | 400    | 1,995,900      |               |
| 1928          | 214                   | 150   | 700    | 1000    | 3570    | 2910    | 3100   | 1020   | 524    | 450    | 454    | 171    | 1,122,700      |               |
| 1929          | 133                   | 146   | 226    | 1320    | 1610    | 990     | 479    | 219    | 169    | 186    | 195    | 162    | 352,500        |               |
| 1930          | 99                    | 84    | 149    | 2050    | 1320    | 755     | 532    | 190    | 100    | 155    | 122    | 85     | 340,300        |               |
| 1931          | 84                    | 81    | 178    | 681     | 382     | 261     | 207    | 148    | 142    | 155    | 100    | 86     | 155,700        |               |
| 1932          | 77                    | 62    | 135    | 1800    | 897     | 374     | 377    | 188    | 173    | 194    | 100    | 100    | 244,500        |               |
| 1933          | 86                    | 77    | 118    | 2000    | 1420    | 1720    | 891    | 212    | 169    | 200    | 100    | 100    | 448,500        |               |
| 1934          | 112                   | 136   | 422    | 2000    | 1720    | 650     | 316    | 101    | 110    | 146    | 149    | 93     | 402,600        |               |
| 1935          | 77                    | 87    | 141    | 1270    | 839     | 960     | 3370   | 753    | 412    | 352    | 228    | 158    | 525,500        |               |
| 1936          | 140                   | 97    | 86     | 5300    | 4310    | 1440    | 705    | 258    | 151    | 163    | 136    | 95     | 778,900        |               |
| 1937          | 68                    | 61    | 84     | 734     | 734     | 610     | 187    | 78     | 51     | 127    | 107    | 30     | 173,200        |               |
| 1938          | 50                    | 63    | 739    | 1990    | 973     | 459     | 285    | 201    | 113    | 122    | 108    | 82     | 313,100        |               |
| 1939          | 74                    | 63    | 308    | 1110    | 650     | 350     | 375    | 193    | 109    | 123    | 137    | 100    | 217,000        |               |
| 1940          | 29                    | 23    | 36     | 279     | 388     | 222     | 140    | 109    | 75     | 91     | 107    | 69     | 95,000         |               |
| 1941          | 73                    | 73    | 75     | 1470    | 780     | 389     | 136    | 75     | 136    | 127    | 124    | 81     | 213,000        |               |
| 1942          | 39                    | 21    | 408    | 5950    | 1300    | 1180    | 610    | 653    | 758    | 474    | 235    | 86     | 585,000        |               |
| 1943          | 108                   | 64    | 127    | 4990    | 3240    | 2880    | 1320   | 518    | 342    | 264    | 241    | 143    | 688,200        |               |
| 1944          | 46                    | 55    | 67     | 595     | 607     | 1030    | 1500   | 388    | 319    | 292    | 235    | 108    | 317,700        |               |
| 1945          | 39                    | 70    | 359    | 1810    | 1500    | 910     | 854    | 359    | 211    | 273    | 237    | 96     | 406,400        |               |
| 1946          | 63                    | 69    | 669    | 4200    | 1280    | 518     | 1250   | 328    | 170    | 470    | 480    | 156    | 582,400        |               |
| 1947          | 77                    | 84    | 100    | 3740    | 6220    | 2920    | 6790   | 1080   | 614    | 614    | 400    | 300    | 1,392,900      |               |
| 1948          | 247                   | 204   | 188    | 2720    | 12300   | 3700    | 1780   | 1300   | 483    | 344    | 322    | 214    | 1,447,200      |               |
| 1949          | 140                   | 38    | 56     | 2710    | 842     | 1930    | 648    | 548    | 250    | 248    | 332    | 162    | 475,200        |               |
| 1950          | 105                   | 102   | 195    | 2260    | 3570    | 2240    | 2630   | 1560   | 529    | 548    | 464    | 246    | 877,800        |               |
| 1951          | 188                   | 154   | 171    | 4350    | 4630    | 1530    | 908    | 437    | 553    | 811    | 631    | 263    | 885,600        |               |
| 1952          | 151                   | 116   | 151    | 2930    | 1890    | 861     | 523    | 242    | 601    | 304    | 209    | 137    | 488,500        |               |
| 1953          | 99                    | 113   | 133    | 3710    | 2890    | 3960    | 4060   | 2810   | 1310   | 857    | 904    | 449    | 1,289,100      |               |
| 1954          | 308                   | 253   | 341    | 2350    | 4770    | 5820    | 9270   | 3110   | 1720   | 2570   | 1640   | 1100   | 2,080,300      |               |
| 1955          | 587                   | 593   | 486    | 6340    | 13100   | 8500    | 4200   | 2170   | 1240   | 1080   | 881    | 641    | 2,530,100      |               |
| 1956          | 465                   | 441   | 480    | 4240    | 13000   | 9250    | 5030   | 2020   | 1250   | 765    | 750    | 479    | 2,314,500      |               |
| TOTAL         | 7,483                 | 6,437 | 11,604 | 137,534 | 189,908 | 110,030 | 87,365 | 59,716 | 26,370 | 27,225 | 21,027 | 12,033 | 40,991,000     |               |
| AVER-<br>AGE: | 163                   | 140   | 252    | 2,990   | 4,128   | 2,392   | 1,900  | 863    | 573    | 592    | 467    | 262    | 891,168        |               |

☐ RECORDED    ■ ESTIMATED







Assiniboine River - Portage la Prairie Sec 19 T.11 R.6 W.1  
 River, canal, imp. (Location)

| Year     | Recorded |         |         |         |        |        |            |      |       |      |      |      | Total     |
|----------|----------|---------|---------|---------|--------|--------|------------|------|-------|------|------|------|-----------|
|          | Jan.     | Feb.    | Mar.    | Apr.    | May    | June   | July       | Aug. | Sept. | Oct. | Nov. | Dec. |           |
| 1911     | 270      | 270     | 280     | 2200    | 2550   | 4500   | 3050       | 1900 | 1560  | 2140 | 1120 | 690  | 1,242,000 |
| 1912     | 500      | 360     | 280     | 5100    | 8150   | 6800   | 3300       | 2850 | 3560  | 4260 | 2860 | 1430 | 2,388,000 |
| 1913     | 500      | 400     | 400     | 5190    | 11,300 | 4580   | 3830       | 3850 | 2020  | 1120 | 800  | 500  | 2,093,000 |
| 1914     | 354      | 318     | 325     | 3400    | 5900   | 3300   | 1240       | 500  | 432   | 400  | 300  | 195  | 1,008,000 |
| 1915     | 122      | 140     | 210     | 1070    | 840    | 632    | 667        | 500  | 382   | 410  | 350  | 160  | 331,500   |
| 1916     | 227      | 218     | 228     | 7140    | 6450   | 5040   | 3970       | 1390 | 789   | 790  | 760  | 429  | 1,657,300 |
| 1917     | 233      | 210     | 244     | 2440    | 7200   | 3980   | 2620       | 1080 | 673   | 520  | 573  | 287  | 1,217,000 |
| 1918     | 111      | 115     | 336     | 2540    | 1420   | 1350   | 935        | 600  | 620   | 410  | 416  | 277  | 550,900   |
| 1919     | 229      | 208     | 213     | 3980    | 2830   | 1300   | 1370       | 600  | 515   | 510  | 378  | 231  | 746,700   |
| 1920     | 187      | 172     | 287     | 3050    | 8200   | 4060   | 1400       | 800  | 485   | 410  | 479  | 263  | 1,200,300 |
| 1921     | 184      | 133     | 181     | 3190    | 5000   | 3290   | 4120       | 1940 | 1260  | 1960 | 2070 | 1090 | 1,528,700 |
| 1922     | 592      | 314     | 625     | 5720    | 15,400 | 9830   | 3200       | 1500 | 1140  | 940  | 944  | 586  | 2,471,300 |
| 1923     | 471      | 414     | 375     | 6151    | 16,500 | 6560   | 5520       | 3710 | 1720  | 1360 | 1174 | 375  | 2,729,200 |
| 1924     | 438      | 408     | 513     | 3972    | 4490   | 2290   | 2280       | 1100 | 892   | 934  | 790  | 533  | 1,128,700 |
| 1925     | 308      | 264     | 721     | 1250    | 6870   | 4420   | 2880       | 1000 | 644   | 949  | 588  | 468  | 1,831,800 |
| 1926     | 281      | 267     | 202     | 2212    | 2090   | 1350   | 965        | 515  | 876   | 907  | 992  | 543  | 676,300   |
| 1927     | 428      | 361     | 315     | 5743    | 16,300 | 9480   | 5500       | 2790 | 1990  | 2060 | 1362 | 679  | 2,851,400 |
| 1928     | 570      | 448     | 954     | 7193    | 4960   | 4460   | 5250       | 2260 | 967   | 850  | 713  | 386  | 1,756,200 |
| 1929     | 285      | 295     | 366     | 1905    | 2810   | 1940   | 1060       | 460  | 327   | 375  | 310  | 306  | 630,900   |
| 1930     | 248      | 138     | 212     | 4384    | 2830   | 1660   | 1100       | 481  | 327   | 250  | 249  | 208  | 732,000   |
| 1931     | 224      | 515     | 322     | 1280    | 570    | 438    | 387        | 220  | 254   | 260  | 270  | 170  | 294,400   |
| 1932     | 137      | 115     | 174     | 2800    | 1490   | 644    | 533        | 250  | 254   | 260  | 270  | 189  | 429,200   |
| 1933     | 152      | 137     | 168     | 4310    | 2500   | 2190   | 1240       | 400  | 318   | 220  | 282  | 246  | 732,900   |
| 1934     | 211      | 242     | 996     | 3810    | 2500   | 1000   | 480        | 210  | 206   | 260  | 244  | 134  | 621,000   |
| 1935     | 110      | 128     | 150     | 2790    | 1400   | 1150   | 5290       | 1450 | 799   | 510  | 333  | 236  | 871,300   |
| 1936     | 217      | 188     | 140     | 5630    | 5550   | 2040   | 1010       | 400  | 357   | 310  | 260  | 112  | 979,800   |
| 1937     | 110      | 126     | 153     | 1050    | 1200   | 1010   | 451        | 200  | 184   | 260  | 222  | 116  | 306,800   |
| 1938     | 94       | 118     | 1060    | 2700    | 1400   | 672    | 451        | 300  | 215   | 200  | 179  | 161  | 456,100   |
| 1939     | 146      | 138     | 155     | 1900    | 1030   | 605    | 428        | 300  | 220   | 200  | 222  | 163  | 332,000   |
| 1940     | 65       | 73      | 90      | 577     | 725    | 383    | 257        | 200  | 203   | 195  | 158  | 119  | 184,300   |
| 1941     | 111      | 143     | 138     | 2620    | 1400   | 800    | 385        | 200  | 370   | 310  | 214  | 204  | 415,000   |
| 1942     | 67       | 106     | 405     | 6490    | 2900   | 1720   | 994        | 650  | 1020  | 700  | 455  | 195  | 945,600   |
| 1943     | 207      | 186     | 183     | 6790    | 5750   | 4950   | 2740       | 1100 | 607   | 490  | 430  | 236  | 1,428,900 |
| 1944     | 119      | 145     | 146     | 1070    | 1300   | 1670   | 3290       | 1150 | 955   | 740  | 500  | 295  | 690,800   |
| 1945     | 218      | 243     | 960     | 3600    | 2300   | 1450   | 1270       | 600  | 429   | 445  | 322  | 231  | 729,100   |
| 1946     | 166      | 168     | 976     | 5370    | 2000   | 891    | 1150       | 600  | 391   | 600  | 626  | 330  | 800,400   |
| 1947     | 168      | 172     | 195     | 5070    | 7400   | 3240   | 7920       | 1850 | 1100  | 925  | 624  | 466  | 1,770,200 |
| 1948     | 406      | 311     | 306     | 2240    | 14,100 | 7420   | 3140       | 2200 | 1040  | 670  | 538  | 443  | 1,994,100 |
| 1949     | 368      | 223     | 193     | 6660    | 4900   | 3090   | 1270       | 1080 | 499   | 460  | 538  | 369  | 1,185,500 |
| 1950     | 218      | 198     | 178     | 3970    | 7700   | 5480   | 4120       | 2600 | 1390  | 1000 | 739  | 438  | 1,699,400 |
| 1951     | 438      | 388     | 473     | 5900    | 8300   | 4150   | 2040       | 680  | 785   | 965  | 750  | 517  | 1,534,400 |
| 1952     | 271      | 275     | 263     | 3870    | 3250   | 1400   | 817        | 400  | 701   | 429  | 404  | 292  | 750,000   |
| 1953     | 211      | 224     | 242     | 4210    | 3690   | 5610   | 5380       | 4320 | 1920  | 1130 | 1430 | 657  | 1,757,100 |
| 1954     | 558      | 476     | 585     | 2430    | 5220   | 7020   | 11300      | 4610 | 2200  | 3510 | 2540 | 1450 | 2,545,300 |
| 1955     | 981      | 867     | 736     | 12100   | 17,200 | 11,900 | 6400       | 2960 | 1970  | 1800 | 1000 | 936  | 3,559,900 |
| 1956     | 649      | 578     | 674     | 8050    | 17,100 | 13,700 | 7160       | 3190 | 2070  | 1340 | 1220 | 873  | 3,428,500 |
| TOTAL    | 13,140   | 17,328  | 254,965 | 124,160 | 41,636 | 32,007 | 59,213,200 |      |       |      |      |      |           |
|          | 11,986   | 195,917 | 165,445 | 61,946  | 39,794 | 19811  |            |      |       |      |      |      |           |
| AVERAGE: | 285      | 261     | 377     | 4529    | 5543   | 3597   | 2699       | 1347 | 905   | 865  | 696  | 431  | 1,287,243 |

RECORDED ESTIMATED







Assiniboine River  
(River, canal, lake)

Headingley  
(Location)

5M1

| Year          | (Recorded or Natural) |         |         |         |        |        |            |      |      |      |      |      | Station Index No. | Monthly Units (c.f.s.m., g.m.s.l.) |  |  |  |  |  |  |  |  |  |  |  | TOTAL<br>Ac.Ft | cfsm<br>Year |
|---------------|-----------------------|---------|---------|---------|--------|--------|------------|------|------|------|------|------|-------------------|------------------------------------|--|--|--|--|--|--|--|--|--|--|--|----------------|--------------|
|               | Jan.                  | Feb.    | Mar.    | Apr.    | May    | June   | July       | Aug. | Sep. | Oct. | Nov. | Dec. |                   |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1911          | 270                   | 270     | 280     | 2200    | 2450   | 4500   | 3050       | 1750 | 1560 | 2100 | 1120 | 690  | 1,224,300         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1912          | 500                   | 360     | 280     | 5100    | 7850   | 6800   | 3300       | 2650 | 3560 | 4400 | 2860 | 1430 | 2,365,800         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1913          | 500                   | 400     | 400     | 5190    | 11200  | 4580   | 3830       | 4000 | 2020 | 1170 | 800  | 500  | 2,099,500         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1914          | 354                   | 318     | 325     | 3400    | 6100   | 3300   | 1240       | 571  | 432  | 409  | 300  | 195  | 1,025,200         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1915          | 122                   | 140     | 210     | 1070    | 843    | 632    | 667        | 545  | 382  | 438  | 350  | 160  | 336,100           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1916          | 227                   | 218     | 228     | 7140    | 6680   | 5040   | 3970       | 1470 | 789  | 830  | 760  | 429  | 1,680,100         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1917          | 233                   | 210     | 244     | 2440    | 7400   | 3980   | 2620       | 1160 | 673  | 552  | 573  | 287  | 1,236,200         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1918          | 111                   | 115     | 336     | 2540    | 1420   | 1350   | 935        | 625  | 620  | 446  | 416  | 277  | 554,700           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1919          | 229                   | 208     | 213     | 3980    | 2840   | 1300   | 1370       | 620  | 515  | 532  | 378  | 231  | 749,900           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1920          | 187                   | 172     | 287     | 3050    | 8470   | 4060   | 1400       | 809  | 485  | 429  | 479  | 263  | 1,218,600         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1921          | 184                   | 133     | 181     | 3990    | 5210   | 3290   | 4120       | 2100 | 1260 | 2000 | 2070 | 1090 | 1,554,000         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1922          | 592                   | 314     | 625     | 5720    | 14500  | 9830   | 3200       | 1660 | 1140 | 972  | 944  | 586  | 2,427,700         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1923          | 471                   | 414     | 375     | 5440    | 16900  | 7170   | 5250       | 3700 | 1790 | 1400 | 1130 | 975  | 2,734,600         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1924          | 438                   | 408     | 513     | 2920    | 4720   | 2200   | 2170       | 1160 | 913  | 1000 | 790  | 533  | 1,077,200         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1925          | 308                   | 264     | 590     | 9360    | 7390   | 4430   | 2970       | 1160 | 705  | 711  | 588  | 468  | 1,748,200         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1926          | 281                   | 267     | 408     | 2000    | 2150   | 1270   | 971        | 526  | 726  | 891  | 722  | 543  | 650,300           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1927          | 428                   | 361     | 713     | 8000    | 15500  | 10000  | 5580       | 2820 | 1980 | 2260 | 1020 | 679  | 2,990,000         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1928          | 570                   | 448     | 1180    | 8740    | 6000   | 4250   | 5200       | 2650 | 1500 | 1050 | 847  | 386  | 1,985,900         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1929          | 285                   | 295     | 366     | 1760    | 2600   | 1690   | 884        | 389  | 281  | 303  | 256  | 306  | 569,200           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1930          | 248                   | 188     | 272     | 4880    | 2800   | 1430   | 964        | 461  | 354  | 363  | 249  | 208  | 748,600           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1931          | 224                   | 515     | 322     | 1280    | 578    | 438    | 387        | 250  | 254  | 277  | 270  | 170  | 297,800           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1932          | 137                   | 115     | 174     | 2800    | 1490   | 644    | 533        | 297  | 254  | 279  | 270  | 189  | 433,300           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1933          | 152                   | 137     | 168     | 4310    | 2580   | 2190   | 1240       | 482  | 318  | 248  | 282  | 246  | 744,600           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1934          | 211                   | 242     | 996     | 3810    | 2550   | 1000   | 480        | 266  | 206  | 270  | 244  | 134  | 628,100           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1935          | 110                   | 128     | 150     | 2790    | 1470   | 1150   | 5290       | 1590 | 799  | 545  | 333  | 236  | 886,300           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1936          | 217                   | 188     | 140     | 5630    | 5800   | 2040   | 1010       | 454  | 337  | 338  | 260  | 112  | 1,000,200         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1937          | 110                   | 126     | 153     | 1050    | 1220   | 1010   | 451        | 244  | 184  | 287  | 222  | 116  | 312,400           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1938          | 94                    | 118     | 1060    | 2700    | 1440   | 672    | 451        | 302  | 215  | 213  | 179  | 161  | 459,400           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1939          | 146                   | 138     | 155     | 1900    | 1030   | 605    | 428        | 349  | 220  | 220  | 222  | 163  | 336,200           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1940          | 65                    | 73      | 90      | 577     | 725    | 383    | 257        | 222  | 203  | 211  | 158  | 119  | 186,700           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1941          | 111                   | 143     | 138     | 2620    | 1440   | 800    | 385        | 226  | 370  | 334  | 214  | 201  | 420,500           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1942          | 67                    | 106     | 405     | 6490    | 2970   | 1720   | 994        | 746  | 1020 | 725  | 455  | 195  | 957,400           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1943          | 207                   | 186     | 183     | 6790    | 6030   | 4950   | 2740       | 1230 | 607  | 508  | 430  | 236  | 1,455,200         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1944          | 119                   | 145     | 146     | 1070    | 1320   | 1670   | 3290       | 1350 | 955  | 768  | 500  | 295  | 706,100           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1945          | 218                   | 243     | 960     | 3600    | 2360   | 1450   | 1270       | 675  | 429  | 461  | 322  | 231  | 738,400           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1946          | 166                   | 168     | 976     | 5370    | 2100   | 891    | 1150       | 619  | 391  | 619  | 626  | 330  | 808,900           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1947          | 168                   | 172     | 195     | 5070    | 7670   | 3240   | 7920       | 2070 | 1100 | 955  | 624  | 466  | 1,802,200         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1948          | 406                   | 311     | 306     | 2240    | 13500  | 7420   | 3140       | 2350 | 1040 | 695  | 538  | 443  | 1,968,000         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1949          | 368                   | 223     | 193     | 6660    | 5350   | 3090   | 1270       | 1170 | 499  | 485  | 538  | 369  | 1,220,200         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1950          | 218                   | 198     | 178     | 3970    | 8070   | 5480   | 4120       | 2810 | 1390 | 2030 | 739  | 438  | 1,736,900         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1951          | 418                   | 388     | 473     | 5900    | 8380   | 4150   | 2040       | 778  | 785  | 1000 | 750  | 517  | 1,547,500         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1952          | 271                   | 275     | 263     | 3870    | 3380   | 1400   | 817        | 461  | 701  | 471  | 344  | 311  | 758,900           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1953          | 200                   | 203     | 203     | 3620    | 3430   | 5170   | 5090       | 4270 | 1980 | 1190 | 1370 | 673  | 1,659,400         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1954          | 577                   | 474     | 635     | 2340    | 5190   | 6600   | 10800      | 5180 | 2400 | 3450 | 2430 | 1473 | 2,524,700         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1955          | 999                   | 886     | 754     | 10900   | 15500  | 13300  | 6850       | 3320 | 1930 | 1700 | 1020 | 898  | 3,592,400         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| 1956          | 690                   | 578     | 604     | 6440    | 16700  | 13000  | 6780       | 3150 | 1880 | 1340 | 1080 | 912  | 3,223,400         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| TOTAL         | 13,207                | 18,046  | 255,276 | 122,874 | 42,172 | 31,072 | 59,301,200 |      |      |      |      |      |                   |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
|               | 11,982                | 192,717 | 165,565 | 65,687  | 40,875 | 19,867 |            |      |      |      |      |      |                   |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |
| AVER-<br>AGE: | 287                   | 260     | 392     | 4190    | 5550   | 3600   | 2670       | 1430 | 920  | 890  | 680  | 430  | 1,289,160         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |              |

RECORDED ESTIMATED





Drainage Area: \_\_\_\_\_

HYDROMETRIC SUMMARY

COMPLETED

3

BIRDTAIL CREEK at Birtle  
(River, canal, lake) 5ME<sub>2</sub>

Sec. 6-17-26-W1  
(Location)

| Year          | (Recorded or Natural) |      |      |       |       |       |       |       |       |       |       |      | TOTAL<br>Ac.Ft | of<br>Year |
|---------------|-----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------------|------------|
|               | Jan.                  | Feb. | Mar. | Apr.  | May   | June  | July  | Aug.  | Sep.  | Oct.  | Nov.  | Dec. |                |            |
| 1911          | 3                     | 2    | 3    | 120   | 135   | 230   | 95    | 44    | 30    | 70    | 58    | 18   | 48,300         |            |
| 1912          | 5                     | 3    | 3    | 130   | 335   | 240   | 140   | 33    | 79    | 136   | 88    | 28   | 73,900         |            |
| 1913          | 7                     | 9    | 9    | 376   | 195   | 120   | 115   | 120   | 50    | 18    | 19    | 7    | 63,100         |            |
| 1914          | 3                     | 2    | 5    | 20    | 198   | 61    | 13    | 7     | 8     | 19    | 10    | 5    | 21,400         |            |
| 1915          | 0                     | 0    | 0    | 45    | 25    | 34    | 49    | 5     | 24    | 50    | 45    | 20   | 18,000         |            |
| 1916          | 0                     | 0    | 0    | 290   | 100   | 310   | 274   | 30    | 53    | 104   | 80    | 40   | 74,200         |            |
| 1917          | 10                    | 0    | 0    | 184   | 229   | 75    | 51    | 3     | 7     | 5     | 3     | 3    | 34,500         |            |
| 1918          | 1                     | 1    | 11   | 100   | 50    | 65    | 24    | 4     | 14    | 15    | 10    | 5    | 18,100         |            |
| 1919          | 2                     | 2    | 3    | 145   | 115   | 45    | 61    | 16    | 21    | 33    | 12    | 5    | 27,500         |            |
| 1920          | 1                     | 2    | 2    | 65    | 285   | 115   | 35    | 7     | 16    | 24    | 16    | 12   | 35,200         |            |
| 1921          | 2                     | 1    | 2    | 105   | 205   | 115   | 34    | 9     | 35    | 47    | 29    | 16   | 36,300         |            |
| 1922          | 3                     | 1    | 3    | 125   | 195   | 122   | 88    | 57    | 24    | 27    | 32    | 23   | 42,400         |            |
| 1923          | 6                     | 2    | 3    | 230   | 710   | 355   | 250   | 105   | 49    | 46    | 27    | 17   | 109,400        |            |
| 1924          | 2                     | 1    | 3    | 65    | 385   | 165   | 155   | 44    | 29    | 83    | 30    | 8    | 59,100         |            |
| 1925          | 5                     | 2    | 10   | 681   | 174   | 288   | 200   | 90    | 40    | 15    | 10    | 8    | 91,700         |            |
| 1926          | 5                     | 2    | 1    | 153   | 71    | 49    | 47    | 7     | 34    | 40    | 20    | 15   | 26,700         |            |
| 1927          | 9                     | 4    | 4    | 380   | 810   | 475   | 290   | 150   | 52    | 69    | 60    | 27   | 141,300        |            |
| 1928          | 8                     | 4    | 3    | 185   | 175   | 320   | 225   | 88    | 32    | 32    | 17    | 11   | 66,500         |            |
| 1929          | 4                     | 3    | 6    | 50    | 95    | 80    | 24    | 13    | 7     | 7     | 9     | 7    | 18,400         |            |
| 1930          | 3                     | 3    | 5    | 105   | 95    | 52    | 23    | 2     | 1     | 2     | 3     | 1    | 17,800         |            |
| 1931          | 5                     | 3    | 4    | 155   | 43    | 26    | 38    | 9     | 11    | 15    | 11    | 2    | 19,400         |            |
| 1932          | 1                     | 2    | 2    | 175   | 60    | 30    | 45    | 14    | 11    | 18    | 6     | 4    | 22,200         |            |
| 1933          | 3                     | 2    | 3    | 205   | 110   | 130   | 60    | 10    | 11    | 22    | 14    | 5    | 34,600         |            |
| 1934          | 1                     | 1    | 3    | 180   | 140   | 70    | 24    | 6     | 8     | 9     | 12    | 6    | 27,700         |            |
| 1935          | 2                     | 2    | 3    | 110   | 70    | 140   | 175   | 36    | 29    | 33    | 16    | 4    | 37,500         |            |
| 1936          | 2                     | 1    | 1    | 160   | 240   | 55    | 40    | 12    | 9     | 11    | 7     | 5    | 32,900         |            |
| 1937          | 2                     | 1    | 2    | 96    | 70    | 30    | 20    | 4     | 6     | 6     | 4     | 3    | 14,700         |            |
| 1938          | 1                     | 2    | 11   | 179   | 75    | 35    | 28    | 7     | 8     | 11    | 8     | 3    | 22,200         |            |
| 1939          | 1                     | 2    | 4    | 110   | 75    | 40    | 38    | 16    | 14    | 16    | 12    | 7    | 20,200         |            |
| 1940          | 0                     | 1    | 1    | 35    | 28    | 8     | 16    | 5     | 5     | 10    | 4     | 2    | 7,000          |            |
| 1941          | 2                     | 2    | 2    | 186   | 65    | 30    | 11    | 3     | 6     | 7     | 4     | 2    | 18,000         |            |
| 1942          | 1                     | 1    | 3    | 320   | 70    | 15    | 30    | 16    | 14    | 20    | 12    | 3    | 30,300         |            |
| 1943          | 2                     | 1    | 1    | 220   | 126   | 62    | 50    | 9     | 10    | 11    | 9     | 4    | 30,400         |            |
| 1944          | 1                     | 1    | 1    | 70    | 25    | 12    | 218   | 44    | 18    | 29    | 25    | 16   | 28,000         |            |
| 1945          | 4                     | 3    | 17   | 140   | 145   | 97    | 75    | 14    | 8     | 11    | 10    | 6    | 32,100         |            |
| 1946          | 3                     | 2    | 77   | 215   | 120   | 36    | 46    | 9     | 10    | 56    | 37    | 19   | 38,100         |            |
| 1947          | 4                     | 3    | 2    | 170   | 312   | 210   | 396   | 53    | 25    | 35    | 34    | 16   | 76,600         |            |
| 1948          | 4                     | 3    | 3    | 145   | 397   | 96    | 87    | 47    | 16    | 12    | 13    | 7    | 51,700         |            |
| 1949          | 3                     | 2    | 2    | 130   | 65    | 80    | 62    | 42    | 14    | 10    | 18    | 12   | 26,600         |            |
| 1950          | 4                     | 3    | 5    | 115   | 280   | 245   | 210   | 101   | 37    | 52    | 39    | 19   | 67,400         |            |
| 1951          | 4                     | 2    | 2    | 152   | 195   | 80    | 40    | 3     | 8     | 32    | 18    | 9    | 33,00          |            |
| 1952          | 3                     | 2    | 2    | 105   | 46    | 90    | 20    | 22    | 103   | 30    | 14    | 8    | 26,700         |            |
| 1953          | 3                     | 1    | 1    | 138   | 229   | 285   | 205   | 80    | 32    | 39    | 38    | 19   | 64,800         |            |
| 1954          | 5                     | 2    | 1    | 105   | 160   | 225   | 185   | 28    | 51    | 118   | 62    | 43   | 59,700         |            |
| 1955          | 7                     | 4    | 5    | 270   | 250   | 220   | 140   | 24    | 10    | 21    | 15    | 9    | 58,900         |            |
| 1956          | 0                     | 0    | 0    | 134   | 609   | 283   | 285   | 55    | 52    | 46    | 20    | 10   | 90,900         |            |
| TOTAL         | 147                   | 93   | 234  | 7,595 | 8,587 | 5,925 | 4,684 | 1,503 | 1,131 | 1,522 | 1,040 | 511  | 1,995,700      |            |
| AVER-<br>AGE: | 3                     | 2    | 5    | 165   | 187   | 129   | 102   | 33    | 25    | 33    | 23    | 11   | 43,400         |            |

RECORDED ESTIMATED







MINNEDOSA RIVER - Bellbey's Bridge

Sec. 19 T.16 R.18 W.1

(River, canal, lake)

(Location)

5MF<sub>1</sub>

c.f.s.m.

(Recorded or Natural)

Station Index No.

Monthly Units (c.f.s.m., g.m.s.l.)

| Year          | Jan. | Feb. | Mar.  | Apr.   | May    | June   | July   | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  | TOTAL<br>Ac.Ft | cfsm<br>Year |
|---------------|------|------|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|----------------|--------------|
| 1911          | 17   | 10   | 15    | 250    | 260    | 480    | 190    | 135   | 95    | 150   | 125   | 23    | 105,700        |              |
| 1912          | 32   | 14   | 13    | 260    | 720    | 490    | 275    | 90    | 228   | 280   | 190   | 58    | 160,600        |              |
| 1913          | 40   | 48   | 98    | 825    | 418    | 260    | 295    | 181   | 44    | 52    | 40    | 16    | 136,800        |              |
| 1914          | 20   | 20   | 50    | 850    | 517    | 193    | 50     | 40    | 36    | 33    | 28    | 13    | 111,400        |              |
| 1915          | 0    | 0    | 2     | 95     | 56     | 78     | 80     | 48    | 54    | 88    | 40    | 8     | 33,200         |              |
| 1916          | 15   | 12   | 8     | 350    | 303    | 407    | 525    | 141   | 68    | 76    | 60    | 30    | 120,900        |              |
| 1917          | 15   | 17   | 30    | 202    | 446    | 153    | 124    | 51    | 61    | 38    | 33    | 9     | 71,500         |              |
| 1918          | 3    | 4    | 57    | 221    | 95     | 111    | 37     | 29    | 45    | 31    | 21    | 11    | 40,100         |              |
| 1919          | 10   | 10   | 11    | 310    | 227    | 83     | 111    | 55    | 67    | 70    | 28    | 10    | 50,000         |              |
| 1920          | 1    | 2    | 7     | 147    | 592    | 240    | 74     | 20    | 55    | 55    | 36    | 28    | 76,300         |              |
| 1921          | 13   | 8    | 13    | 208    | 420    | 246    | 61     | 27    | 108   | 100   | 63    | 37    | 78,900         |              |
| 1922          | 14   | 4    | 11    | 240    | 413    | 232    | 181    | 159   | 76    | 53    | 68    | 49    | 91,000         |              |
| 1923          | 31   | 12   | 14    | 461    | 1520   | 737    | 531    | 244   | 155   | 100   | 57    | 37    | 236,900        |              |
| 1924          | 13   | 6    | 16    | 139    | 804    | 349    | 298    | 135   | 60    | 137   | 99    | 46    | 127,900        |              |
| 1925          | 31   | 27   | 35    | 815    | 451    | 472    | 543    | 150   | 75    | 125   | 90    | 37    | 172,300        |              |
| 1926          | 25   | 17   | 45    | 275    | 204    | 144    | 68     | 35    | 188   | 226   | 145   | 70    | 87,100         |              |
| 1927          | 50   | 24   | 24    | 812    | 174    | 976    | 620    | 367   | 132   | 144   | 129   | 60    | 308,000        |              |
| 1928          | 40   | 20   | 15    | 408    | 357    | 637    | 459    | 211   | 100   | 68    | 37    | 24    | 143,700        |              |
| 1929          | 21   | 15   | 30    | 102    | 184    | 161    | 42     | 13    | 12    | 18    | 20    | 15    | 38,200         |              |
| 1930          | 10   | 10   | 15    | 226    | 189    | 109    | 34     | 7     | 3     | 3     | 5     | 3     | 37,000         |              |
| 1931          | 15   | 8    | 10    | 330    | 80     | 40     | 75     | 45    | 35    | 32    | 24    | 6     | 42,100         |              |
| 1932          | 3    | 6    | 7     | 375    | 130    | 60     | 85     | 40    | 35    | 39    | 12    | 8     | 48,500         |              |
| 1933          | 7    | 5    | 6     | 435    | 230    | 280    | 120    | 50    | 35    | 42    | 30    | 10    | 75,300         |              |
| 1934          | 4    | 4    | 15    | 380    | 300    | 140    | 45     | 35    | 24    | 20    | 25    | 12    | 60,600         |              |
| 1935          | 6    | 6    | 8     | 235    | 116    | 295    | 360    | 120   | 90    | 70    | 35    | 9     | 81,700         |              |
| 1936          | 8    | 6    | 6     | 350    | 500    | 110    | 70     | 55    | 27    | 22    | 15    | 11    | 71,500         |              |
| 1937          | 5    | 4    | 5     | 210    | 140    | 65     | 30     | 25    | 20    | 11    | 10    | 5     | 32,000         |              |
| 1938          | 4    | 5    | 56    | 370    | 140    | 70     | 45     | 38    | 25    | 24    | 15    | 8     | 48,200         |              |
| 1939          | 4    | 5    | 13    | 220    | 150    | 80     | 70     | 70    | 45    | 34    | 25    | 14    | 44,100         |              |
| 1940          | 0    | 2    | 3     | 70     | 49     | 20     | 25     | 30    | 16    | 21    | 8     | 6     | 15,100         |              |
| 1941          | 4    | 4    | 4     | 400    | 135    | 20     | 16     | 20    | 18    | 15    | 8     | 6     | 39,100         |              |
| 1942          | 1    | 2    | 17    | 660    | 140    | 30     | 55     | 73    | 45    | 42    | 25    | 8     | 66,100         |              |
| 1943          | 4    | 3    | 3     | 465    | 270    | 129    | 100    | 45    | 30    | 25    | 20    | 6     | 66,300         |              |
| 1944          | 2    | 2    | 3     | 150    | 45     | 10     | 450    | 136   | 55    | 58    | 55    | 34    | 60,900         |              |
| 1945          | 20   | 14   | 72    | 290    | 297    | 182    | 142    | 53    | 27    | 24    | 20    | 14    | 69,900         |              |
| 1946          | 10   | 7    | 216   | 443    | 243    | 78     | 88     | 30    | 24    | 112   | 78    | 40    | 82,900         |              |
| 1947          | 17   | 10   | 8     | 352    | 667    | 444    | 844    | 149   | 68    | 73    | 73    | 34    | 166,500        |              |
| 1948          | 20   | 14   | 15    | 314    | 844    | 194    | 183    | 134   | 41    | 26    | 25    | 15    | 111,000        |              |
| 1949          | 10   | 7    | 8     | 269    | 125    | 170    | 113    | 131   | 34    | 23    | 39    | 27    | 57,700         |              |
| 1950          | 20   | 14   | 23    | 245    | 722    | 564    | 483    | 294   | 113   | 113   | 86    | 40    | 165,000        |              |
| 1951          | 20   | 10   | 14    | 336    | 411    | 157    | 70     | 15    | 27    | 70    | 40    | 20    | 72,000         |              |
| 1952          | 10   | 7    | 7     | 218    | 91     | 186    | 32     | 17    | 221   | 63    | 29    | 17    | 53,900         |              |
| 1953          | 10   | 5    | 6     | 294    | 467    | 610    | 422    | 205   | 101   | 83    | 82    | 40    | 140,800        |              |
| 1954          | 20   | 8    | 7     | 219    | 319    | 485    | 369    | 103   | 128   | 256   | 131   | 94    | 129,600        |              |
| 1955          | 38   | 14   | 16    | 578    | 554    | 468    | 309    | 94    | 40    | 44    | 32    | 20    | 133,400        |              |
| 1956          | 9    | 6    | 22    | 367    | 749    | 1040   | 1026   | 319   | 142   | 97    | 145   | 75    | 242,400        |              |
| TOTAL         | 674  |      | 1,029 |        | 17,830 |        | 10,225 |       | 3,129 |       | 2,401 |       | 4,414,100      |              |
|               |      | 458  |       | 15,766 |        | 12,485 |        | 4,464 |       | 3,286 |       | 1,163 |                |              |
| AVER-<br>AGE: | 14   | 10   | 22    | 343    | 388    | 271    | 222    | 97    | 68    | 71    | 52    | 25    | 96,000         |              |

RECORDED

ESTIMATED







MINNEDOSA RIVER - 2 Miles N. of Rivers  
(River, canal, lake)

Sec. 32 T.12 R.20 W.1  
(Location)

5MF18

| Year          | (Recorded or Natural) |      |       |        |        |        |        |       |       |       |       |       | Station Index No. | Monthly Units (c.f.s.m., g.m.s.l.) |  |  |  |  |  |  |  |  |  |  |  | TOTAL<br>Ac.Ft | cf/yr |
|---------------|-----------------------|------|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------------------|------------------------------------|--|--|--|--|--|--|--|--|--|--|--|----------------|-------|
|               | Jan.                  | Feb. | Mar.  | Apr.   | May    | June   | July   | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |                   |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1911          | 25                    | 15   | 22    | 372    | 387    | 715    | 283    | 200   | 142   | 223   | 187   | 34    | 157,270           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1912          | 48                    | 21   | 19    | 387    | 1,070  | 730    | 410    | 134   | 340   | 417   | 284   | 86    | 239,090           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1913          | 60                    | 72   | 72    | 1,230  | 623    | 387    | 440    | 270   | 65    | 77    | 60    | 24    | 203,940           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1914          | 30                    | 30   | 75    | 1,270  | 770    | 287    | 75     | 60    | 54    | 49    | 42    | 19    | 166,300           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1915          | 0                     | 0    | 3     | 142    | 83     | 116    | 120    | 71    | 81    | 132   | 60    | 12    | 49,630            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1916          | 22                    | 18   | 12    | 522    | 451    | 605    | 782    | 210   | 101   | 113   | 90    | 45    | 179,990           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1917          | 21                    | 25   | 40    | 303    | 665    | 229    | 184    | 75    | 92    | 57    | 49    | 13    | 106,300           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1918          | 5                     | 6    | 85    | 329    | 141    | 165    | 55     | 43    | 67    | 46    | 31    | 16    | 59,600            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1919          | 15                    | 15   | 16    | 456    | 338    | 124    | 141    | 82    | 100   | 105   | 42    | 15    | 87,570            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1920          | 2                     | 3    | 11    | 218    | 880    | 356    | 110    | 30    | 82    | 82    | 53    | 42    | 113,500           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1921          | 20                    | 12   | 20    | 312    | 630    | 365    | 90     | 40    | 160   | 149   | 94    | 55    | 117,800           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1922          | 21                    | 6    | 16    | 356    | 612    | 344    | 269    | 236   | 113   | 79    | 100   | 73    | 134,960           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1923          | 47                    | 18   | 21    | 685    | 2,260  | 1,095  | 790    | 362   | 230   | 149   | 85    | 55    | 352,180           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1924          | 20                    | 9    | 24    | 206    | 1,190  | 519    | 442    | 200   | 90    | 204   | 147   | 68    | 189,840           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1925          | 46                    | 40   | 52    | 1,210  | 670    | 700    | 805    | 223   | 112   | 186   | 135   | 55    | 255,820           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1926          | 38                    | 25   | 67    | 408    | 303    | 214    | 100    | 51    | 279   | 335   | 215   | 105   | 129,220           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1927          | 75                    | 36   | 35    | 1,210  | 2,580  | 1,450  | 919    | 545   | 196   | 214   | 192   | 90    | 457,480           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1928          | 60                    | 30   | 22    | 612    | 530    | 945    | 680    | 314   | 149   | 101   | 55    | 36    | 213,680           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1929          | 32                    | 22   | 40    | 304    | 273    | 239    | 63     | 23    | 17    | 26    | 30    | 23    | 65,840            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1930          | 15                    | 15   | 22    | 335    | 280    | 162    | 51     | 10    | 4     | 5     | 8     | 4     | 54,920            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1931          | 22                    | 12   | 15    | 492    | 120    | 60     | 112    | 67    | 52    | 48    | 36    | 9     | 62,910            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1932          | 5                     | 9    | 10    | 557    | 194    | 90     | 127    | 60    | 52    | 58    | 18    | 12    | 71,830            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1933          | 10                    | 8    | 9     | 647    | 343    | 416    | 180    | 75    | 52    | 63    | 45    | 15    | 112,200           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1934          | 6                     | 6    | 23    | 565    | 450    | 209    | 67     | 52    | 37    | 30    | 37    | 18    | 90,510            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1935          | 9                     | 9    | 12    | 350    | 173    | 439    | 536    | 181   | 134   | 104   | 52    | 13    | 121,720           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1936          | 12                    | 9    | 9     | 522    | 750    | 164    | 105    | 82    | 40    | 33    | 22    | 16    | 106,940           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1937          | 8                     | 6    | 8     | 314    | 209    | 97     | 45     | 37    | 30    | 16    | 15    | 8     | 47,740            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1938          | 6                     | 8    | 84    | 551    | 209    | 107    | 67     | 57    | 37    | 36    | 22    | 12    | 72,070            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1939          | 6                     | 8    | 19    | 330    | 224    | 120    | 107    | 107   | 67    | 51    | 37    | 21    | 66,300            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1940          | 0                     | 3    | 4     | 107    | 73     | 30     | 37     | 40    | 24    | 31    | 12    | 9     | 22,400            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1941          | 6                     | 6    | 6     | 596    | 202    | 30     | 24     | 30    | 27    | 22    | 12    | 9     | 58,290            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1942          | 4                     | 3    | 25    | 982    | 209    | 40     | 82     | 109   | 67    | 63    | 37    | 12    | 98,150            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1943          | 6                     | 4    | 4     | 692    | 402    | 192    | 149    | 67    | 40    | 37    | 30    | 9     | 98,430            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1944          | 3                     | 3    | 4     | 224    | 67     | 15     | 667    | 202   | 82    | 86    | 82    | 50    | 90,500            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1945          | 30                    | 20   | 107   | 429    | 440    | 270    | 211    | 78    | 40    | 36    | 30    | 20    | 103,560           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1946          | 15                    | 10   | 320   | 656    | 360    | 116    | 131    | 44    | 36    | 166   | 116   | 60    | 122,930           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1947          | 25                    | 15   | 12    | 522    | 988    | 657    | 1,250  | 220   | 101   | 86    | 108   | 50    | 245,200           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1948          | 30                    | 20   | 22    | 465    | 1,250  | 288    | 271    | 198   | 61    | 39    | 36    | 22    | 164,380           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1949          | 15                    | 10   | 12    | 398    | 185    | 252    | 167    | 194   | 50    | 34    | 58    | 40    | 85,500            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1950          | 30                    | 20   | 34    | 363    | 1,070  | 835    | 715    | 436   | 167   | 167   | 127   | 60    | 244,350           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1951          | 30                    | 15   | 20    | 497    | 609    | 232    | 103    | 22    | 40    | 104   | 60    | 30    | 106,600           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1952          | 15                    | 10   | 10    | 323    | 135    | 75     | 47     | 26    | 328   | 94    | 43    | 25    | 67,980            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1953          | 15                    | 8    | 19    | 435    | 692    | 904    | 626    | 303   | 150   | 123   | 121   | 60    | 208,640           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1954          | 30                    | 12   | 10    | 324    | 472    | 714    | 547    | 153   | 189   | 380   | 194   | 139   | 191,660           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1955          | 50                    | 20   | 24    | 857    | 820    | 693    | 458    | 139   | 59    | 65    | 47    | 30    | 197,170           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| 1956          | 13                    | 9    | 32    | 544    | 1,110  | 1,540  | 1,520  | 472   | 210   | 143   | 215   | 111   | 358,930           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| TOTAL         | 1,003                 | 681  | 1,518 | 23,609 | 26,492 | 18,332 | 15,160 | 6,630 | 4,646 | 4,864 | 3,571 | 1,730 | 6,551,850         |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |
| AVER-<br>AGE: | 22                    | 15   | 33    | 513    | 576    | 399    | 330    | 144   | 101   | 106   | 78    | 38    | 142,432           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |       |

RECORDED ESTIMATED







Rolling River  
(River, canal, lake)

CNR Lea's Bridge Sec. 7-18-18-W1

(Location)

14

5MF8

(Recorded or Natural)

Station Index No.

Monthly Units (c.f.s.m., g.m.s.l.)

| Year          | Monthly Units (c.f.s.m., g.m.s.l.) |      |      |      |      |      |      |      |      |      |      |      | TOTAL<br>Ac.Ft | cfs<br>Year |
|---------------|------------------------------------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------|
|               | Jan.                               | Feb. | Mar. | Apr. | May  | June | July | Aug. | Sep. | Oct. | Nov. | Dec. |                |             |
| 1911          | 6                                  | 3    | 6    | 110  | 120  | 215  | 80   | 51   | 44   | 60   | 42   | 8    | 45,000         |             |
| 1912          | 11                                 | 6    | 4    | 108  | 315  | 200  | 115  | 35   | 95   | 107  | 64   | 20   | 65,500         |             |
| 1913          | 16                                 | 21   | 16   | 390  | 215  | 135  | 150  | 98   | 31   | 32   | 20   | 6    | 68,200         |             |
| 1914          | 8                                  | 9    | 17   | 350  | 231  | 85   | 25   | 15   | 16   | 14   | 10   | 5    | 47,300         |             |
| 1915          | 0                                  | 0    | 11   | 60   | 16   | 40   | 27   | 13   | 16   | 36   | 16   | 10   | 14,800         |             |
| 1916          | 5                                  | 4    | 4    | 150  | 137  | 188  | 211  | 52   | 18   | 23   | 20   | 10   | 49,800         |             |
| 1917          | 8                                  | 9    | 15   | 91   | 179  | 41   | 44   | 18   | 38   | 9    | 9    | 4    | 28,200         |             |
| 1918          | 2                                  | 2    | 8    | 74   | 49   | 53   | 27   | 21   | 40   | 16   | 10   | 7    | 18,600         |             |
| 1919          | 5                                  | 1    | 3    | 114  | 67   | 28   | 54   | 21   | 24   | 26   | 15   | 7    | 23,900         |             |
| 1920          | 1                                  | 1    | 4    | 34   | 289  | 77   | 28   | 11   | 18   | 22   | 18   | 13   | 31,400         |             |
| 1921          | 6                                  | 5    | 8    | 125  | 246  | 99   | 41   | 23   | 60   | 41   | 27   | 14   | 42,100         |             |
| 1922          | 6                                  | 3    | 7    | 157  | 263  | 89   | 54   | 41   | 28   | 15   | 10   | 7    | 41,200         |             |
| 1923          | 13                                 | 5    | 6    | 205  | 710  | 305  | 185  | 83   | 72   | 40   | 13   | 13   | 100,200        |             |
| 1924          | 5                                  | 3    | 6    | 60   | 375  | 155  | 125  | 48   | 28   | 40   | 30   | 15   | 54,200         |             |
| 1925          | 13                                 | 12   | 11   | 370  | 210  | 205  | 220  | 50   | 35   | 40   | 31   | 13   | 73,100         |             |
| 1926          | 11                                 | 7    | 16   | 120  | 100  | 60   | 25   | 24   | 90   | 88   | 50   | 24   | 37,100         |             |
| 1927          | 22                                 | 11   | 9    | 360  | 730  | 440  | 260  | 155  | 52   | 50   | 41   | 20   | 130,400        |             |
| 1928          | 17                                 | 9    | 7    | 182  | 175  | 280  | 170  | 68   | 48   | 23   | 13   | 8    | 60,400         |             |
| 1929          | 9                                  | 7    | 10   | 45   | 85   | 65   | 15   | 10   | 5    | 7    | 7    | 5    | 16,300         |             |
| 1930          | 3                                  | 4    | 5    | 100  | 90   | 40   | 10   | 3    | 2    | 1    | 1    | 1    | 15,700         |             |
| 1931          | 6                                  | 4    | 3    | 140  | 30   | 35   | 20   | 17   | 16   | 14   | 9    | 3    | 17,800         |             |
| 1932          | 1                                  | 3    | 2    | 165  | 55   | 30   | 30   | 15   | 16   | 14   | 4    | 5    | 20,500         |             |
| 1933          | 2                                  | 2    | 3    | 194  | 105  | 125  | 40   | 11   | 16   | 18   | 11   | 3    | 31,900         |             |
| 1934          | 2                                  | 2    | 6    | 155  | 133  | 60   | 20   | 13   | 12   | 9    | 9    | 4    | 25,700         |             |
| 1935          | 2                                  | 3    | 3    | 105  | 60   | 125  | 145  | 43   | 40   | 28   | 12   | 6    | 34,600         |             |
| 1936          | 4                                  | 3    | 3    | 113  | 215  | 50   | 30   | 21   | 11   | 10   | 6    | 4    | 30,100         |             |
| 1937          | 2                                  | 2    | 3    | 82   | 55   | 30   | 20   | 10   | 9    | 5    | 4    | 3    | 13,600         |             |
| 1938          | 1                                  | 2    | 17   | 157  | 60   | 35   | 25   | 14   | 11   | 10   | 5    | 3    | 20,500         |             |
| 1939          | 1                                  | 2    | 5    | 96   | 60   | 40   | 35   | 23   | 21   | 14   | 9    | 4    | 18,700         |             |
| 1940          | 0                                  | 1    | 1    | 30   | 14   | 12   | 20   | 10   | 7    | 6    | 3    | 2    | 6,400          |             |
| 1941          | 1                                  | 2    | 2    | 156  | 60   | 14   | 14   | 8    | 7    | 6    | 3    | 2    | 16,500         |             |
| 1942          | 1                                  | 1    | 6    | 285  | 65   | 15   | 21   | 23   | 21   | 17   | 9    | 3    | 28,100         |             |
| 1943          | 2                                  | 1    | 2    | 205  | 100  | 60   | 45   | 18   | 14   | 10   | 7    | 3    | 28,100         |             |
| 1944          | 1                                  | 1    | 2    | 68   | 18   | 21   | 180  | 53   | 26   | 24   | 18   | 13   | 25,900         |             |
| 1945          | 8                                  | 6    | 20   | 130  | 140  | 75   | 57   | 19   | 14   | 10   | 7    | 4    | 29,600         |             |
| 1946          | 4                                  | 3    | 73   | 195  | 120  | 38   | 42   | 11   | 10   | 45   | 26   | 13   | 35,100         |             |
| 1947          | 6                                  | 4    | 3    | 157  | 315  | 195  | 330  | 57   | 31   | 26   | 24   | 12   | 70,500         |             |
| 1948          | 9                                  | 5    | 10   | 115  | 358  | 95   | 85   | 52   | 19   | 11   | 9    | 5    | 47,000         |             |
| 1949          | 4                                  | 3    | 3    | 120  | 55   | 75   | 50   | 51   | 15   | 10   | 10   | 9    | 24,400         |             |
| 1950          | 8                                  | 6    | 8    | 100  | 240  | 180  | 175  | 80   | 52   | 42   | 30   | 14   | 56,700         |             |
| 1951          | 9                                  | 5    | 4    | 145  | 190  | 75   | 50   | 25   | 22   | 20   | 16   | 7    | 34,400         |             |
| 1952          | 4                                  | 3    | 3    | 83   | 42   | 80   | 20   | 7    | 100  | 25   | 10   | 5    | 22,900         |             |
| 1953          | 5                                  | 2    | 2    | 130  | 215  | 265  | 170  | 80   | 47   | 34   | 26   | 14   | 59,900         |             |
| 1954          | 9                                  | 4    | 3    | 93   | 150  | 220  | 150  | 39   | 60   | 100  | 45   | 32   | 54,800         |             |
| 1955          | 17                                 | 6    | 6    | 200  | 155  | 140  | 110  | 30   | 18   | 15   | 11   | 7    | 43,200         |             |
| 1956          | 4                                  | 3    | 8    | 168  | 350  | 450  | 435  | 120  | 68   | 39   | 50   | 25   | 103,100        |             |
| TOTAL         | 282                                | 201  | 374  | 6852 | 7962 | 5340 | 4165 | 1690 | 1443 | 1252 | 820  | 415  | 1,863,400      |             |
| AVER-<br>AGE: | 6                                  | 4    | 8    | 149  | 173  | 116  | 91   | 37   | 31   | 27   | 18   | 9    | 40,500         |             |







MOOSE JAW CREEK - at Rouleau, Sask.  
(River, canal, lake)

Sec. 16-14-22-W2  
(Location)

5JB  
4

| Year          | (Recorded or Natural) |      |         |          |       |         |      |       |      |      |      |      | TOTAL<br>Ac.Ft | cf/yr<br>Yea: |
|---------------|-----------------------|------|---------|----------|-------|---------|------|-------|------|------|------|------|----------------|---------------|
|               | Jan.                  | Feb. | Mar.    | Apr.     | May   | June    | July | Aug.  | Sep. | Oct. | Nov. | Dec. |                |               |
| 1911          | 0                     | 0    | 13      | 145      | 29    | 55      | 2    | .1    | .1   | 9.   | 3.4  | .4   | 15,400         |               |
| 1912          | .1                    | 0    | 4       | 179      | 406   | 37.3    | 18.3 | 2.1   | .7   | 1.5  | 1.   | 0    | 39,530         |               |
| 1913          | 0                     | 0    | .9      | 62       | 6.8   | .9      | 12.  | .5    | 1.4  | .1   | .3   | .1   | 5,100          |               |
| 1914          | 0                     | 0    | 8.6     | 69.      | 5.3   | 3.2     | .4   | .9    | 0    | 0    | 2.4  | .2   | 5,390          |               |
| 1915          | 0                     | 0    | 0       | 0        | 0     | 0       | 0    | 0     | 0    | 0    | 0    | 0    | 0              |               |
| 1916          | 0                     | 0    | 21      | 1183.    | 115   | 36.     | 9.4  | 2.0   | 1.6  | 9.4  | 9.0  | 1.6  | 82,900         |               |
| 1917          | 0.1                   | 0    | 0.1     | 497.     | 132.  | 6.2     | 1.0  | 0.1   | 0.1  | 0.3  | .1   | 1.0  | 38,230         |               |
| 1918          | 0                     | 0    | 100     | 36.      | 13.2  | .5      | .1   | 0     | 0    | 0    | .2   | 0    | 9,150          |               |
| 1919          | 0                     | 0    | 3       | 151.     | 10.4  | 1.1     | 5.1  | 0     | 0    | 4.   | .4   | 0    | 10,460         |               |
| 1920          | 0                     | 0    | 21.     | 408.     | 105.  | 2.1     | .1   | .1    | .1   | 2.5  | .4   | 0    | 32,340         |               |
| 1921          | 0                     | 0    | 1.1     | 16.      | 5.7   | 8.9     | 46.  | 1.4   | 3.4  | 2.9  | .5   | .1   | 5,350          |               |
| 1922          | .4                    | .4   | 28.7    | 443.     | 191.9 | 27.3    | 3.8  | 3.9   | .2   | .3   | 1.7  | .4   | 42,100         |               |
| 1923          | .2                    | 0    | 13.     | 215.     | 28.   | 68.     | 565. | 35.   | 7.   | 3.6  | 2.4  | .8   | 57,100         |               |
| 1924          | .4                    | .4   | 36.3    | 78.      | 25.7  | 7.2     | 1.0  | .7    | 3.6  | 1.4  | .9   | .4   | 9,410          |               |
| 1925          | .3                    | 0    | 77      | 644.5    | 24.8  | 42.5    | 6.9  | .1    | .3   | 2.3  | 1.2  | .3   | 47,820         |               |
| 1926          | 0                     | 0    | 1.2     | 11.1     | 20.   | 16.2    | 37.2 | 4.3   | 1.5  | .8   | .6   | 0    | 5,650          |               |
| 1927          | 0                     | .6   | 13.3    | 926.8    | 183.  | 89.8    | 6.7  | .3    | .8   | .5   | .2   | 0    | 73,110         |               |
| 1928          | 0                     | 0    | 125.6   | 138.2    | 13.   | 15.3    | 22.  | .6    | .3   | 3.   | 0    | 0    | 19,250         |               |
| 1929          | 0                     | 0    | 0       | 0        | 0     | 0       | 0    | 0     | 0    | 0    | 0    | 0    | 0              |               |
| 1930          | 0                     | 3.   | 25.     | 128.2    | 3.7   | .8      | .4   | .2    | 2.4  | .9   | .4   | 0    | 9,720          |               |
| 1931          | 0                     | 0    | 0       | 0        | 0     | 0       | 0    | 0     | 0    | 0    | 0    | 0    | 0              |               |
| 1932          | 0                     | 0    | 101.9   | 116.5    | 11.6  | 0       | 0    | 0     | 0    | 0    | 0    | 0    | 13,910         |               |
| 1933          | 0                     | 0    | 6       | 59.2     | 15.9  | 37.5    | 1.3  | 0     | 0    | 0    | 0    | 0    | 7,430          |               |
| 1934          | 0                     | 0    | 0       | 0        | 0     | 0       | 0    | 0     | 0    | 0    | 0    | 0    | 0              |               |
| 1935          | 0                     | 0    | 0       | 60.      | 22.3  | 32.3    | 19.9 | 29.4  | .6   | .5   | .5   | .1   | 10,060         |               |
| 1936          | 0                     | 0    | 14.4    | 577.7    | 116.1 | 2.2     | .3   | 2.    | 0    | .3   | 0    | 0    | 42,690         |               |
| 1937          | 0                     | 0    | 0       | 0        | 0     | 0       | 0    | 0     | 0    | 0    | 0    | 0    | 0              |               |
| 1938          | 0                     | 0    | 101.    | 67.7     | 7.3   | .1      | .1   | 2.5   | .5   | 1.4  | .4   | 0    | 10,990         |               |
| 1939          | 0                     | 0    | 9.5     | 72.9     | .1    | 9.3     | 54.7 | 0.1   | 3.3  | .1   | 0    | 0    | 9,050          |               |
| 1940          | 0                     | 0    | 0       | 0        | 0     | 0       | 0    | 0     | 0    | 0    | 0    | 0    | 0              |               |
| 1941          | 0                     | 0    | 2.4     | 126.0    | 83.   | 1.6     | 0    | 0     | 0    | 0    | 0    | 0    | 12,840         |               |
| 1942          | 0                     | 0    | 23.     | 223.     | 42.   | 0       | 0    | 0     | 0    | 0    | 0    | 0    | 17,150         |               |
| 1943          | 0                     | 0    | 19.     | 385.     | 64.   | 7.      | 0    | 0     | 0    | 0    | 0    | 0    | 28,430         |               |
| 1944          | 0                     | 0    | 0       | 0        | 2.8   | 34.8    | 12.  | 5.    | 3.   | 1.   | 0.5  | 0    | 3,560          |               |
| 1945          | 0                     | 0    | 0       | 0        | 0.1   | 1.2     | 8.2  | 8     | 3.   | 1.   | 0.5  | 0    | 1,340          |               |
| 1946          | 0                     | 0    | 291.    | 59.      | 0.1   | 1.2     | 0.5  | 0     | 0    | 0    | 0    | 0    | 21,510         |               |
| 1947          | 0                     | 0    | 0       | 664.     | 70.   | 13.4    | 9.   | 2.    | 0.5  | 0    | 0    | 0    | 45,320         |               |
| 1948          | 0                     | 0    | 0       | 1300     | 500.  | 11.7    | 1.   | 0.5   | 0    | 0    | 0    | 0    | 108,880        |               |
| 1949          | 0                     | 0    | 0.1     | 77.9     | 0.5   | 0.6     | 0.3  | 0     | 0    | 0    | 0    | 0    | 4,730          |               |
| 1950          | 0                     | 0    | 0.3     | 503.     | 84.2  | 1.7     | 0.5  | 0.5   | 0    | 0    | 0    | 0    | 35,290         |               |
| 1951          | 0                     | 0    | 0       | 609      | 476   | 13.7    | 7.   | 2.    | 0.5  | 0    | 0    | 0    | 66,900         |               |
| 1952          | 0                     | 0    | 0.5     | 729.     | 9.6   | 4.7     | 3.0  | 1.5   | 0.5  | 0    | 0    | 0    | 44,580         |               |
| 1953          | 0                     | 0    | 37.7    | 31.      | 67.3  | 1439.   | 264. | 5.6   | 0.7  | 0    | 0    | 0    | 110,540        |               |
| 1954          | 0                     | 0    | 0       | 0.2      | 10.3  | 144.    | 20.3 | 62.7  | 184. | 97.2 | 4.   | 1.   | 30,930         |               |
| 1955          | 0.5                   | 0    | 3.6     | 877.     | 981.  | 42.5    | 323. | 25.4  | 0    | 0    | 0    | 0    | 136,710        |               |
| 1956          | 0                     | 0    | 35.1    | 940.     | 79.6  | 5.2     | 26.8 | 0.9   | 0    | 0    | 0    | 0    | 65,000         |               |
| TOTAL         | 1.8                   |      | 1,138.3 | 3,962.3  |       | 1,489.3 |      | 222.1 |      |      | 31.  |      | 1,336,500      |               |
|               |                       | 4.1  |         | 12,804.9 |       | 2,223.0 |      | 202.6 |      | 144. |      | 6.4  |                |               |
| AVER-<br>AGE: | 0                     | 0.1  | 24.7    | 278.3    | 86.1  | 48.3    | 32.4 | 4.4   | 4.8  | 3.1  | 0.7  | 0.1  | 29,054         |               |

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Drainage Area: 1,960

**COMPLETED**  
HYDROLETRIC SUMMARY

15

MOOSE JAW CREEK at McCarthy's Farm

Sec 16 T16 R26 - W2

(River, canal, lake) (from 1954 on above Jct. Thunder Creek) (Location)

5JE1

(Recorded or Natural) Station Index No. Monthly Units (c.f.s.m., g.m.s.l.)

| Year          | Monthly Units (c.f.s.m., g.m.s.l.) |      |         |          |        |         |        |       |       |       |      |      | TOTAL<br>Ac.Ft | cfm<br>Year |
|---------------|------------------------------------|------|---------|----------|--------|---------|--------|-------|-------|-------|------|------|----------------|-------------|
|               | Jan.                               | Feb. | Mar.    | Apr.     | May    | June    | July   | Aug.  | Sep.  | Oct.  | Nov. | Dec. |                |             |
| 1911          | 0                                  | 0    | 16.6    | 188      | 37.8   | 71.     | 2.8    | 0.2   | 0.1   | 11.5  | 4.1  | 0.6  | 19,930         |             |
| 1912          | 0.1                                | 0    | 5       | 231.     | 521.2  | 48.5    | 23.8   | 2.9   | 0.9   | 1.9   | 1.3  | T    | 50,880         |             |
| 1913          | 0                                  | 0    | 1       | 69       | 6.4    | 1.0     | 12.1   | 0.6   | 0.1   | 0.2   | 0.4  | 0.1  | 5,440.         |             |
| 1914          | 0                                  | 0    | 9.1     | 73.0     | 5.6    | 3.4     | 0.4    | T     | 0     | 0     | 2.4  | 0.3  | 5,640          |             |
| 1915          | 0                                  | 0    | 0       | 1.5      | 0.4    | 0.3     | 0.1    | 0     | 0     | 0     | 0    | 0    | 140            |             |
| 1916          | 0                                  | 0    | 26      | 1463.    | 142.   | 40.     | 11.6   | 2.5   | 2.0   | 11.7  | 10.7 | 2.   | 102,220        |             |
| 1917          | 0.2                                | 0    | 0.1     | 657.     | 176    | 8.3     | 1.0    | 0.1   | 0.1   | 0.4   | 0.1  | T    | 50,530         |             |
| 1918          | 0                                  | 0    | 168.    | 60.      | 22.    | 1.0     | 0.1    | 0     | 0     | 0     | 0.6  | 0    | 15,350         |             |
| 1919          | 0                                  | 0    | 3.4     | 171.     | 11.5   | 1.2     | 6.4    | 0     | 0     | 4.    | 0.5  | 0    | 11,830         |             |
| 1920          | 0                                  | 0    | 27.4    | 543.     | 133.6  | 3.4     | 0.1    | 0.1   | 0.1   | 3.4   | 0.5  | 0    | 42,670         |             |
| 1921          | 0                                  | 0    | 1.      | 12.8     | 5.2    | 8.1     | 40.    | 1.3   | 4.9   | 2.6   | 0.5  | 0    | 4,660          |             |
| 1922          | 0.5                                | 0.5  | 37      | 563.     | 246.   | 33.     | 4.9    | 0.8   | 0.3   | 0.5   | 2.2  | 0.5  | 53,470         |             |
| 1923          | 0.3                                | 0    | 14.4    | 257.     | 33.6   | 82.     | 680.   | 42.5  | 8.5   | 4.4   | 3    | 1    | 68,580         |             |
| 1924          | 0.5                                | 0.5  | 39.2    | 300.     | 26.9   | 7.9     | 1.1    | 0.8   | 3.9   | 1.6   | 1    | 0.5  | 22,980         |             |
| 1925          | 0.2                                | 0    | 100.    | 867.     | 30.8   | 59.     | 9.3    | 0.1   | 0.3   | 3.2   | 1.5  | 0.5  | 64,060         |             |
| 1926          | 0                                  | 0    | 1.2     | 11.3     | 18.5   | 14.4    | 36.1   | 4.1   | 1.4   | 0.8   | 0.5  | 0    | 5,380          |             |
| 1927          | 0                                  | 1.0  | 13.     | 1270.    | 239.   | 117.    | 6.5    | 0.6   | 1.2   | 0.8   | 0.4  | 0    | 98,660         |             |
| 1928          | 0                                  | 0    | 159.    | 175.     | 15.9   | 19.4    | 27.8   | 0.8   | 0.6   | 3.9   | 0    | 0    | 24,360         |             |
| 1929          | 0                                  | 0    | 2.0     | 0.5      | 0.2    | 0.1     | 1.6    | 0.5   | 0.3   | 0.8   | 0.5  | 0    | 400            |             |
| 1930          | 0                                  | 3.6  | 29.     | 148.     | 4.3    | 0.9     | 0.5    | 0.3   | 2.8   | 1.0   | 0.5  | 0    | 11,410         |             |
| 1931          | 0                                  | 0.5  | 1.6     | 0.4      | 0.1    | 0.2     | 0.2    | 0     | 0     | 0     | 0    | 0    | 180            |             |
| 1932          | 0                                  | 0    | 122.8   | 140.4    | 14.    | 0       | 0      | 0     | 0     | 0     | 0    | 0    | 16,770         |             |
| 1933          | 0                                  | 0    | 6       | 59.2     | 15.9   | 37.5    | 1.3    | 4.0   | 0     | 0     | 0    | 0    | 7,430          |             |
| 1934          | 0                                  | 0    | 0.5     | 6.2      | 0      | 0.7     | 0.3    | 2.9   | 0.6   | 0.8   | 0.4  | 0    | 750            |             |
| 1935          | 0                                  | 0    | 0       | 61.0     | 23.5   | 34.4    | 20.4   | 29.3  | 0.7   | 0.6   | 0.5  | 0.2  | 10,300         |             |
| 1936          | 0                                  | 0    | 19.5    | 774.0    | 157.   | 3.      | 0.5    | 2.9   | 0     | 0.4   | 0    | 0    | 57,320         |             |
| 1937          | 0                                  | 0    | 0       | 0.1      | 0.7    | 0       | 0      | 0     | 0     | 0     | 0    | 0    | 50             |             |
| 1938          | 0                                  | 0    | 119.    | 79.      | 8.6    | 0.2     | T      | 2.9   | 0.6   | 1.7   | 0.5  | 0    | 12,950         |             |
| 1939          | 0                                  | 0    | 10.7    | 82.      | 0.2    | 10.4    | 61.    | 0.2   | 3.8   | 0.1   | 0    | 0    | 10,160         |             |
| 1940          | 0                                  | 0    | 0       | 0.9      | 8.6    | 0.2     | 0.1    | 2.6   | 0     | 0     | 0    | 0    | 760            |             |
| 1941          | 0                                  | 0    | 3.      | 155      | 100    | 2.      | 0      | 0     | 0     | 0     | 0    | 0    | 15,670         |             |
| 1942          | 0                                  | 0    | 24.     | 238.     | 43.    | 0       | 0      | 0     | 0     | 0     | 0    | 0    | 18,280         |             |
| 1943          | 0                                  | 0    | 25      | 507.     | 84.    | 9.      | 0      | 0     | 0     | 0     | 0    | 0    | 37,400         |             |
| 1944          | 0                                  | 0    | 0       | 1.       | 2.     | 28.     | 1.     | 0     | 0     | 0     | 0    | 0    | 1,910          |             |
| 1945          | 0                                  | 0    | 1.      | 1.       | 1.     | 2.      | 0      | 0     | 0     | 0     | 0    | 0    | 300            |             |
| 1946          | 0                                  | 0    | 247.    | 166.     | 3.     | 4.      | 0      | 0     | 0     | 0     | 0    | 0    | 25,490         |             |
| 1947          | 0                                  | 0    | 103.    | 853.     | 89.    | 9.      | 1.     | 0     | 0     | 0     | 0    | 0    | 63,160         |             |
| 1948          | 0                                  | 0    | 11      | 1232.    | 692.   | 8.      | 7.     | 0     | 0     | 0     | 0    | 0    | 117,440        |             |
| 1949          | 0                                  | 0    | 5.      | 35.      | 1.     | 1.      | 0      | 0     | 0     | 0     | 0    | 0    | 2,510          |             |
| 1950          | 0                                  | 0    | 9.      | 427.     | 88.    | 10.     | 1.0    | 0     | 0     | 0     | 0    | 0    | 32,030         |             |
| 1951          | 0                                  | 0    | 6.      | 860.     | 533.   | 26.     | 12.    | 1.    | 0     | 0     | 0    | 0    | 86,670         |             |
| 1952          | 0                                  | 0    | 49.     | 971.     | 19.    | 8.      | 4.     | 0     | 0     | 0     | 0    | 0    | 62,680         |             |
| 1953          | 0                                  | 3.0  | 10.     | 82.      | 45.    | 1476.   | 639    | 12.   | 3.    | 1.    | 1.   | 0    | 136,470        |             |
| 1954          | 0.5                                | 0.5  | 0.7     | 1.5      | 10.5   | 139.    | 20.4   | 38.1  | 231.  | 118.  | 7.0  | 1.0  | 34,180         |             |
| 1955          | 0.5                                | 0.8  | 10.     | 1157.    | 1365.  | 47.     | 320.   | 25.5  | 1.0   | 0.8   | 0.2  | 0    | 177,630        |             |
| 1956          | 0                                  | 0    | 55.4    | 1312.    | 122.   | 26.4    | 35.6   | 1.1   | 0.4   | 0.7   | 0.5  | 0    | 92,900         |             |
| TOTAL         | 2.8                                |      | 1,491.4 |          | 5,103. |         | 1,991. |       | 268.6 |       | 40.8 |      | 1,679,900      |             |
|               |                                    | 8.4  |         | 16,262.7 |        | 2,401.9 |        | 180.7 |       | 176.8 |      | 6.9  |                |             |
| AVER-<br>AGE: | .1                                 | .2   | 32.4    | 3535     | 111.   | 52.2    | 43.3   | 3.9   | 5.8   | 3.8   | .9   | .15  | 36,520         |             |

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MOOSE JAW CREEK - above Junction Qu'Appelle River Sec. 4-17-25-W2  
(River, canal, lake) 5JG<sub>8</sub> (Location)

| Year          | (Recorded or Natural) |      |        |          |         |         |         |       |       |       |      |      | Station Index No. | Monthly Units (c.f.s.m., g.m.s.l.) |      |      |      |     |      |      |      |      |      |      |      | TOTAL<br>Ac.Ft | cfs<br>Year |
|---------------|-----------------------|------|--------|----------|---------|---------|---------|-------|-------|-------|------|------|-------------------|------------------------------------|------|------|------|-----|------|------|------|------|------|------|------|----------------|-------------|
|               | Jan.                  | Feb. | Mar.   | Apr.     | May     | June    | July    | Aug.  | Sep.  | Oct.  | Nov. | Dec. |                   | Jan.                               | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. |                |             |
| 1911          | 0                     | 0    | 29.7   | 235.     | 47.2    | 88.8    | 3.5     | 0.2   | 0.1   | 14.3  | 4.1  | 0.6  | 24,800            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1912          | 0.1                   | 0    | 6.3    | 289.1    | 651.2   | 60.6    | 29.8    | 3.7   | 1.1   | 2.3   | 1.3  | T    | 63,600            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1913          | 0                     | 0    | 1.3    | 86.      | 8.      | 1.3     | 15.1    | 0.7   | 1.6   | 0.3   | 0.4  | 0.1  | 6,880             |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1914          | 0                     | 0    | 11.4   | 91       | 7       | 4.2     | 0.4     | T     | 0     | 0     | 2.4  | 0.3  | 6,980             |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1915          | 0                     | 0    | 0      | 1.9      | 0.4     | 0.4     | 1.5     | 0     | 0     | 0     | 0    | 0    | 250               |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1916          | 0                     | 0    | 32.7   | 1840.    | 178.    | 50      | 14.5    | 3.1   | 2.5   | 14.6  | 10.7 | 2.0  | 128,300           |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1917          | 0.2                   | 0    | 0.1    | 820.     | 220.    | 10.4    | 1.3     | 0.1   | 0.1   | 0.4   | 0.1  | T    | 63,100            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1918          | 0                     | 0    | 210.   | 75.      | 27.4    | 1.3     | 0.1     | 0     | 0     | 0     | 0.6  | 0    | 19,200            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1919          | 0                     | 0    | 4.2    | 213.     | 14.3    | 1.5     | 8.0     | 0     | 0     | 5.0   | 0.5  | 0    | 14,700            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1920          | 0                     | 0    | 32.    | 679.     | 166.    | 4.2     | 0.1     | 0.1   | 0.1   | 4.2   | 0.5  | 0    | 53,100            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1921          | 0                     | 0    | 1.3    | 16.      | 6.4     | 9.9     | 49.9    | 1.6   | 6.1   | 3.2   | 0.5  | 0.2  | 5,780             |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1922          | 0.5                   | 0.5  | 46.    | 703.     | 308.    | 41.1    | 6.1     | 1.0   | 0.4   | 0.6   | 2.2  | 0.5  | 66,800            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1923          | 0.3                   | 0    | 18.    | 321.     | 42.     | 103.    | 849.    | 53.   | 10.7  | 5.5   | 3.0  | 1.0  | 85,600            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1924          | 0.5                   | 0.5  | 48.8   | 375.     | 33.6    | 9.9     | 1.3     | 1.0   | 4.8   | 2.0   | 1.0  | 0.5  | 28,700            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1925          | 0.2                   | 0    | 126.   | 1083.    | 38.5    | 73.7    | 12.0    | 0.1   | 0.4   | 3.9   | 1.5  | 0.5  | 80,100            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1926          | 0                     | 0    | 1.5    | 14.2     | 23.     | 18.     | 45.     | 5.1   | 1.7   | 1.0   | 0.5  | 0    | 6,700             |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1927          | 0                     | 1    | 16.4   | 1585.    | 295.    | 146     | 8.2     | 0.7   | 1.5   | 1.0   | 0.4  | 0    | 122,900           |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1928          | 0                     | 0    | 198.   | 219.     | 19.8    | 25.2    | 34.8    | 1.0   | 0.7   | 5.0   | 0    | 0    | 30,500            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1929          | 0                     | 0    | 2.5    | 0.6      | 0.3     | 0.1     | 2.0     | 0.6   | 0.4   | 1.0   | 0.5  | 0    | 490               |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1930          | 0                     | 3.6  | 36.2   | 185.     | 5.4     | 1.2     | 0.6     | 0.4   | 3.5   | 1.3   | 0.5  | 0    | 14,200            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1931          | 0                     | 0.5  | 2.0    | 0.4      | 0.1     | 0       | 0       | 0     | 0     | 0     | 0    | 0    | 180               |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1932          | 0                     | 0    | 167.   | 180.     | 20.     | 0       | 0       | 0     | 0     | 0     | 0    | 0    | 22,200            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1933          | 0                     | 0    | 7.4    | 7.3      | 19.8    | 46.8    | 1.6     | 5.0   | 0     | 0     | 0    | 0    | 5,300             |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1934          | 0                     | 0    | 0.7    | 7.7      | 0       | 0.9     | 0.4     | 3.6   | 0.8   | 1.0   | 0.4  | 0    | 930               |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1935          | 0                     | 0    | 0      | 89.      | 29.3    | 42.8    | 25.5    | 36.6  | 0.9   | 0.7   | 0.5  | 0.2  | 13,600            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1936          | 0                     | 0    | 24.4   | 965.     | 195.    | 3.8     | 0.6     | 3.6   | 0     | 0.4   | 0    | 0    | 71,400            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1937          | 0                     | 0    | 0      | 0.1      | 0.9     | 0       | 0       | 0     | 0     | 0     | 0    | 0    | 60                |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1938          | 0                     | 0    | 149.   | 98.6     | 10.8    | 0.3     | T       | 3.6   | 0.7   | 2.0   | 0.5  | 0    | 16,100            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1939          | 0                     | 0    | 13.3   | 103.     | 0.3     | 13.0    | 76.     | 0.3   | 4.7   | 0.1   | 0    | 0    | 12,700            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1940          | 0                     | 0    | 0      | 1.2      | 10.6    | 0.3     | 0.1     | 3.2   | 0     | 0     | 0    | 0    | 940               |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1941          | 0                     | 0    | 0      | 200.     | 130.    | 0       | 0       | 0     | 0     | 0     | 0    | 0    | 19,900            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1942          | 0                     | 0    | 30.    | 300.     | 53.     | 0       | 0       | 0     | 0     | 0     | 0    | 0    | 23,000            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1943          | 0                     | 0    | 30.    | 600.     | 100.    | 10.     | 0       | 0     | 0     | 0     | 0    | 0    | 44,300            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1944          | 0                     | 0    | 0      | 1.3      | 2.1     | 30.6    | 0       | 0     | 0     | 0     | 0    | 0    | 2,030             |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1945          | 0                     | 0    | 1.4    | 1.1      | 1.3     | 2.7     | 0       | 0     | 0     | 0     | 0    | 0    | 390               |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1946          | 0                     | 0    | 305.   | 205.     | 3.5     | 4.3     | 0       | 0     | 0     | 0     | 0    | 0    | 31,400            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1947          | 0                     | 2.   | 119.   | 989      | 102.    | 11.8    | 0       | 0     | 0     | 0     | 0    | 0    | 73,200            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1948          | 0                     | 0    | 12.3   | 1480.    | 747.    | 17.8    | 10      | 0     | 0     | 0     | 0    | 0    | 136,400           |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1949          | 0                     | 0    | 9.6    | 69.      | 2.9     | 1.6     | 0       | 0     | 0     | 0     | 0    | 0    | 4,970             |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1950          | 0                     | 0    | 10.6   | 515.     | 106.    | 13.     | 0       | 0     | 0     | 0     | 0    | 0    | 38,600            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1951          | 0                     | 0    | 0      | 1000.    | 616.    | 29.6    | 15      | 0     | 0     | 0     | 0    | 0    | 100,000           |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1952          | 0                     | 0    | 56.9   | 1140.    | 21.5    | 9.4     | 5       | 0     | 0     | 0     | 0    | 0    | 73,500            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1953          | 0                     | 0.8  | 10.7   | 92.6     | 52.6    | 1733.   | 743.    | 14.7  | 4.1   | 1.0   | 1.0  | 3.0  | 159,500           |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1954          | 0                     | 0.5  | 2.9    | 2.0      | 3.7     | 158.    | 18.7    | 40.   | 249.  | 127.  | 10.  | 5.0  | 37,000            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1955          | 1.0                   | 1.   | 34.9   | 1350.    | 1632.   | 82.3    | 329.    | 44.3  | 3.5   | 1.3   | 0.5  | 0    | 211,000           |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| 1956          | 0                     | 0.4  | 98.8   | 1465.    | 145.    | 38.3    | 53.6    | 5.4   | 2.9   | 4.0   | 2.0  | 1.0  | 108,700           |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| TOTAL         | 2.8                   |      | 1899.3 |          | 6,096.9 |         | 2,361.7 |       | 302.3 |       | 45.6 |      | 2,030,200         |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
|               |                       | 10.8 |        | 19,694.1 |         | 2,901.1 |         | 232.7 |       | 203.1 |      | 10.4 |                   |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |
| AVER-<br>AGE: | 0.1                   | 0.2  | 41.3   | 428.2    | 135.5   | 63.1    | 51.3    | 5.1   | 6.6   | 4.4   | 1.0  | 0.2  | 44,135            |                                    |      |      |      |     |      |      |      |      |      |      |      |                |             |

☐ RECORDED ☐ ESTIMATED







ANTLER CREEK - at Melita, Min.  
(River, canal, lake)

Sec. 20-1-27-21  
(Location)

COMPLETE

26

(Recorded or Natural) Station Index No. Monthly Units (c.f.s.m., g.m.s.l.)

| Year          | Jan. | Feb. | Mar.  | Apr.    | May    | June    | July  | Aug.  | Sep.  | Oct.  | Nov.  | Dec. | TOTAL<br>Ac.Ft | cfs<br>Year |
|---------------|------|------|-------|---------|--------|---------|-------|-------|-------|-------|-------|------|----------------|-------------|
| 1911          | 1    | 1    | 6     | 80      | 13     | 67      | 299   | 22    | 16    | 22    | 13    | 8    | 33,360         |             |
| 1912          | 4    | 3    | 6     | 223     | 71     | 95      | 47    | 35    | 7     | 15    | 23    | 11   | 20,500         |             |
| 1913          | 0    | 3    | 21    | 172     | 54     | 13      | 0     | 1     | 1     | 1     | 5     | 5    | 16,570         |             |
| 1914          | 2    | 0    | 2     | 131     | 43     | 18      | 5     | 0     | 2     | 0     | 2     | 0    | 12,200         |             |
| 1915          | 2    | 0    | 0     | 0       | 0      | 10      | 7     | 0     | 4     | 2     | 0     | 0    | 1,510          |             |
| 1916          | 0    | 0    | 0     | 341     | 97     | 102     | 44    | 6     | 3     | 2     | 11    | 4    | 36,600         |             |
| 1917          | 0    | 0    | 0     | 129     | 42     | 79      | 22    | 5     | 0     | 0     | 4     | 0    | 16,860         |             |
| 1918          | 0    | 0    | 6     | 73      | 14     | 20      | 6     | 0     | 0     | 4     | 12    | 8    | 8,580          |             |
| 1919          | 1    | 0    | 5     | 183     | 67     | 29      | 15    | 4     | 0     | 0     | 0     | 0    | 18,270         |             |
| 1920          | 0    | 0    | 0     | 0       | 127    | 154     | 29    | 4     | 2     | 2     | 12    | 0    | 10,060         |             |
| 1921          | 0    | 0    | 0     | 53      | 19     | 21      | 0     | 11    | 4     | 2     | 4     | 32   | 8,810          |             |
| 1922          | 23   | 2    | 0     | 106     | 25     | 55      | 7     | 5     | 0     | 2     | 16    | 26   | 16,060         |             |
| 1923          | 5    | 4    | 0     | 278     | 85     | 85      | 40    | 21    | 5     | 2     | 5     | 11   | 22,500         |             |
| 1924          | 6    | 6    | 0     | 43      | 40     | 29      | 43    | 6     | 0     | 3     | 6     | 9    | 11,570         |             |
| 1925          | 1    | 2    | 0     | 275     | 58     | 62      | 19    | 4     | 1     | 1     | 2     | 5    | 25,950         |             |
| 1926          | 6    | 9    | 0     | 32      | 6      | 12      | 6     | 3     | 3     | 0     | 6     | 9    | 5,500          |             |
| 1927          | 5    | 4    | 0     | 188     | 92     | 184     | 136   | 33    | 25    | 15    | 17    | 7    | 42,410         |             |
| 1928          | 5    | 4    | 8     | 206     | 82     | 53      | 79    | 59    | 34    | 8     | 8     | 4    | 33,210         |             |
| 1929          | 5    | 5    | 0     | 57      | 16     | 30      | 12    | 0     | 0     | 0     | 0     | 5    | 7,700          |             |
| 1930          | 3    | 1    | 0     | 162     | 30     | 12      | 5     | 0     | 0     | 0     | 0     | 1    | 10,910         |             |
| 1931          | 8    | 41.3 | 0.3   | 15.2    | 5      | 0.1     | 0.1   | 0     | 0     | 0     | 0     | 0    | 1,020          |             |
| 1932          | 0    | 0    | 0.5   | 22.4    | 5      | 3.5     | 2.6   | 0     | 0     | 0     | 0     | 1    | 2,100          |             |
| 1933          | 0.8  | 0.1  | 0     | 81.8    | 4.3    | 0       | 0     | 0     | 0     | 0     | 0     | 3    | 5,270          |             |
| 1934          | 2.2  | 0    | 0     | 107     | 3.6    | 2.1     | 0.1   | 0     | 0     | 0     | 0     | 0    | 4,850          |             |
| 1935          | 0    | 0    | 0     | 58.4    | 3      | 15      | 153.5 | 26.3  | 0.4   | 0     | 0.1   | 1.3  | 15,720         |             |
| 1936          | 0    | 0    | 0     | 255     | 11.4   | 1.3     | 0     | 0     | 0     | 0     | 0     | 0    | 15,050         |             |
| 1937          | 0    | 0    | 0     | 14.7    | 2.1    | 5.7     | 0.8   | 1.7   | 0     | 0     | 0     | 0    | 1,500          |             |
| 1938          | 0    | 0    | 60.7  | 27.9    | 3.3    | 0       | 0.1   | 0     | 0     | 0     | 0     | 0    | 5,600          |             |
| 1939          | 0    | 0    | 20.5  | 143.4   | 0.9    | 0.2     | 0     | 0     | 0     | 0     | 0     | 0    | 1,860          |             |
| 1940          | 0    | 0    | 0     | 34.2    | 2.4    | 0.4     | 0     | 0     | 0     | 0     | 0     | 0    | 2,200          |             |
| 1941          | 0    | 0    | 0.5   | 112.3   | 4.4    | 1.2     | 0     | 0     | 0     | 0     | 1     | 0.6  | 7,150          |             |
| 1942          | 0    | 0.2  | 0.3   | 336.    | 14.1   | 11.6    | 2.3   | 0     | 0     | 0     | 0.3   | 0.2  | 21,750         |             |
| 1943          | 0    | 0    | 0     | 400.    | 32.4   | 52      | 16.4  | 2.1   | 0.4   | 0.2   | 0.2   | 0    | 30,080         |             |
| 1944          | 0    | 0    | 0     | 0.1     | 4.8    | 22.2    | 48.4  | 0.1   | 3.7   | 0.7   | 0.5   | 0.3  | 6,000          |             |
| 1945          | 0    | 0.5  | 11    | 18.8    | 4.7    | 6.4     | 13.2  | 2.1   | 0.1   | 0     | 0     | 0    | 2,110          |             |
| 1946          | 0    | 0    | 87    | 228     | 11.1   | 3.7     | 1.7   | 0.1   | 0     | 0     | 0     | 0    | 10,970         |             |
| 1947          | 0    | 0    | 0     | 254     | 21.9   | 119     | 128   | 9.7   | 1.1   | 0.2   | 0     | 0    | 32,090         |             |
| 1948          | 0    | 0    | 0     | 410     | 290    | 24.6    | 18.5  | 17.2  | 1.9   | 0.5   | 1.1   | 0.5  | 45,430         |             |
| 1949          | 0    | 0    | 0     | 350     | 28.8   | 126     | 9.1   | 4.8   | 0.4   | 0.6   | 0.3   | 0.5  | 27,110         |             |
| 1950          | 0.5  | 0.5  | 22.3  | 751     | 123    | 54      | 54    | 110   | 10    | 25.8  | 3.2   | 1    | 17,920         |             |
| 1951          | 0    | 0    | 0     | 414     | 254    | 41.4    | 9.6   | 11.9  | 2.8   | 1.7   | 0.2   | 0    | 50,500         |             |
| 1952          | 0    | 0    | 0.7   | 111     | 1.4    | 0.7     | 2.1   | 0.3   | 0.2   | 0.2   | 0.2   | 0    | 7,140          |             |
| 1953          | 0    | 0    | 0.5   | 100     | 13.7   | 78.0    | 30.9  | 1.9   | 0     | 2.6   | 10.1  | 2    | 14,130         |             |
| 1954          | 1    | 0.5  | 0     | 74.1    | 11.4   | 160     | 138   | 10.1  | 11.4  | 10.5  | 22.9  | 10   | 24,320         |             |
| 1955          | 2    | 0.5  | 0.3   | 553     | 284    | 95      | 52    | 2.9   | 2.5   | 4.5   | 2     | 1    | 20,510         |             |
| 1956          | 0.2  | 0    | 0.1   | 407     | 85     | 16.4    | 7.7   | 0.7   | 0     | 0.2   | 0.2   | 0    | 30,080         |             |
| TOTAL         | 83.7 | 87.6 | 258.7 | 7,461.2 | 2,310. | 1,970.4 | 445.7 | 153.1 | 126.2 | 287.8 | 166.1 |      | 829,100        |             |
| AVER-<br>AGE: | 1.8  | 1.9  | 5.6   | 162.0   | 50.2   | 42.8    | 32.6  | 9.7   | 2.2   | 2.0   | 4.1   | 3.6  | 19,306:        |             |







GAINSBOROUGH CREEK - near Melita, Man.

**COMPLETED**  
Sec 33-2-26-W1

(River, canal, lake)

5NF<sub>3</sub>

(Location)

**26**

(Recorded or Natural) Station Index No. Monthly Units (c.f.s.m., g.m.s.l.)

| Year          | (Recorded or Natural) |      |      |         |         |       |       |       |      |      |      |      | TOTAL<br>Ac.Ft | cf/yr<br>Yea |
|---------------|-----------------------|------|------|---------|---------|-------|-------|-------|------|------|------|------|----------------|--------------|
|               | Jan.                  | Feb. | Mar. | Apr.    | May     | June  | July  | Aug.  | Sep. | Oct. | Nov. | Dec. |                |              |
| 1911          | 1                     | 1    | 1    | 68      | 11      | 21    | 100   | 11    | 7    | 13   | 4    | 2    | 14,550         |              |
| 1912          | 1                     | 1    | 1    | 114     | 40      | 29    | 13    | 14    | 4    | 9    | 7    | 3    | 14,200         |              |
| 1913          | 0                     | 1    | 2    | 67      | 24      | 3     | 0     | 1     | 1    | 1    | 1    | 1    | 6,120          |              |
| 1914          | 0                     | 0    | 0    | 55      | 19      | 4     | 1     | 0     | 1    | 1    | 1    | 0    | 4,920          |              |
| 1915          | 0                     | 2    | 1    | 2       | 2       | 8     | 7     | 3     | 7    | 6    | 1    | 1    | 2,410          |              |
| 1916          | 0                     | 0    | 0    | 147     | 56      | 36    | 15    | 4     | 3    | 3    | 4    | 2    | 16,220         |              |
| 1917          | 0                     | 0    | 0    | 60      | 20      | 16    | 5     | 2     | 0    | 1    | 1    | 0    | 6,300          |              |
| 1918          | 0                     | 0    | 1    | 36      | 6       | 3     | 1     | 0     | 0    | 3    | 3    | 2    | 3,300          |              |
| 1919          | 0                     | 0    | 1    | 80      | 31      | 7     | 4     | 2     | 1    | 0    | 0    | 0    | 7,570          |              |
| 1920          | 0                     | 0    | 0    | 0       | 69      | 46    | 8     | 3     | 3    | 3    | 4    | 0    | 8,260          |              |
| 1921          | 0                     | 0    | 0    | 27      | 10      | 4     | 0     | 4     | 2    | 2    | 1    | 7    | 3,440          |              |
| 1922          | 5                     | 0    | 0    | 62      | 13      | 13    | 2     | 2     | 1    | 2    | 4    | 6    | 6,610          |              |
| 1923          | 1                     | 1    | 0    | 124     | 48      | 27    | 13    | 10    | 4    | 3    | 2    | 4    | 14,260         |              |
| 1924          | 1                     | 1    | 0    | 29      | 16      | 5     | 7     | 2     | 1    | 1    | 1    | 1    | 3,920          |              |
| 1925          | 1                     | 1    | 0    | 112     | 32      | 18    | 6     | 2     | 1    | 1    | 1    | 2    | 10,620         |              |
| 1926          | 1                     | 1    | 0    | 24      | 3       | 1     | 1     | 1     | 1    | 1    | 1    | 1    | 2,150          |              |
| 1927          | 1                     | 1    | 0    | 111     | 55      | 62    | 45    | 15    | 10   | 9    | 6    | 2    | 19,110         |              |
| 1928          | 2                     | 1    | 1    | 108     | 46      | 16    | 25    | 21    | 12   | 6    | 2    | 1    | 17,510         |              |
| 1929          | 1                     | 1    | 0    | 29      | 8       | 6     | 2     | 0     | 1    | 1    | 0    | 1    | 3,000          |              |
| 1930          | 1                     | 0    | 0    | 66      | 15      | 3     | 1     | 0     | 0    | 0    | 0    | 1    | 5,210          |              |
| 1931          | 2.9                   | 14.7 | 0.1  | 5.5     | 1.8     | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 1,440          |              |
| 1932          | 0                     | 0    | 0.2  | 7.7     | 1.7     | 1.2   | 0.9   | 0     | 0    | 0    | 0    | 0    | 720            |              |
| 1933          | 0                     | 0    | 0    | 33      | 2       | 0     | 0     | 0     | 0    | 0    | 0    | 1    | 2,150          |              |
| 1934          | 1                     | 0    | 0    | 39      | 1       | 1     | 0     | 0     | 0    | 0    | 0    | 0    | 2,500          |              |
| 1935          | 0                     | 0    | 0    | 22      | 1       | 6     | 59    | 12    | 0    | 0    | 0    | 0    | 6,090          |              |
| 1936          | 0                     | 0    | 0    | 157     | 9.4     | 0.7   | 0     | 0     | 0    | 0    | 0    | 0    | 9,960          |              |
| 1937          | 0                     | 0    | 0    | 6       | 1       | 2     | 0     | 1     | 0    | 0    | 0    | 0    | 600            |              |
| 1938          | 0                     | 0    | 19   | 14      | 2       | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 2,120          |              |
| 1939          | 0                     | 0    | 5    | 59      | 0       | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 3,700          |              |
| 1940          | 0                     | 0    | 0    | 11      | 1       | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 720            |              |
| 1941          | 0                     | 0    | 0    | 42      | 2       | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 2,680          |              |
| 1942          | 0                     | 0    | 0    | 149     | 5       | 4     | 1     | 0     | 0    | 0    | 0    | 0    | 9,530          |              |
| 1943          | 0                     | 0    | 0    | 176     | 13.3    | 17.3  | 5     | 0.2   | 0    | 0    | 0    | 0    | 12,640         |              |
| 1944          | 0                     | 0    | 0    | 0.2     | 0.1     | 7.1   | 7.9   | 1.0   | 0.9  | 0.2  | 0    | 0    | 1,050          |              |
| 1945          | 0                     | 0    | 2.8  | 4.5     | 0.7     | 2.1   | 2.6   | 0.2   | 0    | 0    | 0    | 0    | 780            |              |
| 1946          | 0                     | 0    | 25.  | 100.    | 3.5     | 0.9   | 0     | 0     | 0    | 0    | 0    | 0    | 7,760          |              |
| 1947          | 0                     | 0    | 0    | 76      | 26.8    | 36.5  | 49.5  | 1.8   | 0    | 0    | 0    | 0    | 1,110          |              |
| 1948          | 0                     | 0    | 0    | 289     | 120.0   | 11.6  | 1.7   | 2.7   | 0.4  | 0.3  | 0    | 0    | 25,580         |              |
| 1949          | 0                     | 0    | 0    | 178     | 11.5    | 58.0  | 4.8   | 1.6   | 0.1  | 0    | 0    | 0    | 15,150         |              |
| 1950          | 0                     | 0    | 0    | 131     | 95.0    | 21.2  | 41.4  | 115.0 | 25.2 | 5.7  | 1.4  | 0    | 26,180         |              |
| 1951          | 0                     | 0    | 0    | 306.0   | 260.0   | 11.9  | 2.0   | 1.2   | 0.4  | 0.3  | 0.2  | 0    | 35,150         |              |
| 1952          | 0                     | 0    | 0    | 56.0    | 2.6     | 0.2   | 0.7   | 0     | 0    | 0    | 0    | 0    | 3,580          |              |
| 1953          | 0                     | 0    | 1    | 25.7    | 6.8     | 2.5   | 3.3   | 1     | 0    | 1    | 3    | 1    | 2,850          |              |
| 1954          | 0                     | 0    | 0    | 0.9     | 0.0     | 24.8  | 78.0  | 6.0   | 4.3  | 4.9  | 2.7  | 5    | 7,750          |              |
| 1955          | 2                     | 1    | 0    | 264.0   | 82.0    | 13.7  | 1.4   | 1.0   | 0    | 0    | 0    | 0    | 21,100         |              |
| 1956          | 0                     | 0    | 1    | 195.0   | 28.0    | 8.8   | 3.6   | 1.1   | 0    | 0    | 0    | 0    | 14,200         |              |
| TOTAL         | 22.4                  |      | 63.8 |         | 1,202.2 |       | 518.7 |       | 91.5 |      | 52.4 |      | 395,300        |              |
|               |                       | 27.8 |      | 3,666.5 |         | 560.3 |       | 243.0 |      | 78.9 |      | 45.3 |                |              |
| AVER-<br>AGE: | .48                   | .6   | 1.4  | 79.7    | 26.1    | 12.2  | 11.3  | 5.3   | 2.0  | 1.7  | 1.1  | .98  | 8,503          |              |







**COMPLETED**

GRAHAM CREEK - near Melita, Man.  
(River, canal, lake)

Sec. 34-3-27-W1

5NF  
4

(Location)

**28**

(Recorded or Natural)

Station Index No.

Monthly Units (c.f.s.m., g.m.s.l.)

| Year          | (Recorded or Natural) |      |      |      |       |       |       |      |      |      |      |      | TOTAL<br>Ac.Ft | cf<br>Year |
|---------------|-----------------------|------|------|------|-------|-------|-------|------|------|------|------|------|----------------|------------|
|               | Jan.                  | Feb. | Mar. | Apr. | May   | June  | July  | Aug. | Sep. | Oct. | Nov. | Dec. |                |            |
| 1911          | 0                     | 0    | 0    | 6    | 1     | 3     | 33    | 5    | 3    | 6    | 2    | 1    | 3,660          |            |
| 1912          | 1                     | 1    | 0    | 18   | 7     | 7     | 4     | 8    | 3    | 5    | 3    | 2    | 3,560          |            |
| 1913          | 0                     | 0    | 1    | 8    | 3     | 0     | 0     | 0    | 0    | 1    | 1    | 1    | 900            |            |
| 1914          | 0                     | 0    | 0    | 5    | 2     | 1     | 0     | 0    | 1    | 1    | 0    | 0    | 600            |            |
| 1915          | 0                     | 0    | 0    | 0    | 0     | 0     | 0     | 0    | 1    | 1    | 0    | 0    | 120            |            |
| 1916          | 0                     | 0    | 0    | 29   | 15    | 13    | 6     | 3    | 2    | 2    | 3    | 1    | 4,460          |            |
| 1917          | 0                     | 0    | 0    | 7    | 2     | 3     | 1     | 2    | 0    | 0    | 1    | 0    | 960            |            |
| 1918          | 0                     | 0    | 0    | 3    | 1     | 0     | 0     | 0    | 0    | 1    | 1    | 0    | 360            |            |
| 1919          | 0                     | 0    | 0    | 13   | 5     | 1     | 1     | 1    | 0    | 0    | 0    | 0    | 1,260          |            |
| 1920          | 0                     | 0    | 0    | 0    | 9     | 8     | 2     | 1    | 1    | 1    | 2    | 0    | 1,450          |            |
| 1921          | 0                     | 0    | 0    | 3    | 1     | 1     | 0     | 2    | 1    | 1    | 0    | 2    | 670            |            |
| 1922          | 2                     | 0    | 0    | 7    | 1     | 2     | 0     | 1    | 0    | 1    | 1    | 2    | 1,030          |            |
| 1923          | 1                     | 1    | 0    | 21   | 9     | 8     | 5     | 7    | 3    | 2    | 1    | 2    | 3,620          |            |
| 1924          | 0                     | 0    | 0    | 1    | 1     | 0     | 1     | 1    | 1    | 1    | 1    | 1    | 490            |            |
| 1925          | 0                     | 0    | 0    | 21   | 5     | 4     | 2     | 1    | 1    | 1    | 0    | 1    | 2,160          |            |
| 1926          | 0                     | 0    | 0    | 2    | 0     | 0     | 0     | 0    | 1    | 1    | 1    | 0    | 300            |            |
| 1927          | 1                     | 1    | 0    | 17   | 11    | 25    | 18    | 8    | 6    | 5    | 4    | 1    | 5,860          |            |
| 1928          | 1                     | 1    | 1    | 16   | 8     | 3     | 7     | 11   | 6    | 3    | 2    | 1    | 3,630          |            |
| 1929          | 0                     | 0    | 0    | 3    | 1     | 1     | 1     | 0    | 0    | 0    | 0    | 0    | 360            |            |
| 1930          | 0                     | 0    | 0    | 10   | 2     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 720            |            |
| 1931          | 0                     | 2    | 0    | 0    | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 110            |            |
| 1932          | 0                     | 0    | 0    | 1    | 1     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 120            |            |
| 1933          | 0                     | 0    | 1    | 9    | 2     | 0     | 1     | 0    | 0    | 0    | 0    | 0    | 780            |            |
| 1934          | 0                     | 0    | 0    | 3    | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 180            |            |
| 1935          | 0                     | 0    | 0    | 2    | 1     | 0     | 2     | 1    | 0    | 0    | 0    | 0    | 370            |            |
| 1936          | 0                     | 0    | 0    | 43   | 0.5   | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 2,590          |            |
| 1937          | 0                     | 0    | 0    | 0    | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0              |            |
| 1938          | 0                     | 0    | 1    | 0    | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 60             |            |
| 1939          | 0                     | 0    | 1    | 2    | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 180            |            |
| 1940          | 0                     | 0    | 0    | 1    | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 60             |            |
| 1941          | 0                     | 0    | 0    | 2    | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 120            |            |
| 1942          | 0                     | 0    | 0    | 10   | 2     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 720            |            |
| 1943          | 0                     | 0    | 0    | 51   | 2.2   | 6     | 0.8   | 0    | 0    | 0    | 0    | 0    | 3,580          |            |
| 1944          | 0                     | 0    | 0    | 0    | 0     | 3.6   | 4.5   | 0.2  | 0    | 0    | 0    | 0    | 520            |            |
| 1945          | 0                     | 0    | 0.5  | 2.7  | 1     | 0.7   | 0     | 0    | 0    | 0    | 0    | 0    | 310            |            |
| 1946          | 0                     | 0    | 23.  | 9    | 0.5   | 0     | 0.1   | 0    | 0    | 0    | 0    | 0    | 1,990          |            |
| 1947          | 0                     | 0    | 0    | 7    | 0.2   | 5.3   | 4.3   | 1    | 0    | 0    | 0    | 0    | 1,070          |            |
| 1948          | 0                     | 0    | 0    | 39   | 23.9  | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 3,800          |            |
| 1949          | 0                     | 0    | 0    | 42   | 19.2  | 2.7   | 0     | 0    | 0    | 0    | 0    | 0    | 4,180          |            |
| 1950          | 0                     | 0    | 0    | 22   | 22.5  | 5.7   | 4.6   | 12.7 | 5.2  | 2.1  | 0    | 0    | 4,560          |            |
| 1951          | 0                     | 0    | 0    | 77   | 56    | 2.8   | 0     | 0    | 0    | 0    | 0    | 0    | 8,160          |            |
| 1952          | 0                     | 0    | 1.2  | 9.5  | 0     | 0     | 0.3   | 0    | 0    | 0    | 0    | 0    | 660            |            |
| 1953          | 0                     | 0    | 1    | 1.3  | 0     | 0.2   | 0     | 0    | 0    | 0    | 0    | 0    | 130            |            |
| 1954          | 0                     | 0    | 0    | 0    | 0     | 8     | 7     | 1    | 1    | 0.5  | 0    | 0    | 1,060          |            |
| 1955          | 0                     | 0    | 0    | 60   | 14.7  | 3.3   | 1     | 0    | 0    | 0    | 0    | 0    | 4,730          |            |
| 1956          | 0                     | 0    | 1    | 67   | 6.7   | 2     | 0.5   | 0    | 0    | 0    | 0    | 0    | 4,610          |            |
| TOTAL         | 6                     | 6    | 31.6 | 64.9 | 237.4 | 126.4 | 107.2 | 66.9 | 36.3 | 35.7 | 23.4 | 15.0 | 80,750         |            |
| AVER-<br>AGE: | .13                   | .13  | .69  | 14.1 | 5.2   | 2.7   | 2.3   | 1.5  | .8   | .78  | .51  | .33  | 1,755          |            |







**COMPLETED**

LONG CREEK - Estevan, Sask.

SE10-8-2-W2

(River, canal, lake)

(Location)

**26**

(Recorded or Natural)

Station Index No.

Monthly Units (c.f.s.m., g.m.s.l.)

| Year          | (Recorded or Natural) |      |       |        |       |       |       |      |      |      |      |      | TOTAL<br>Ac.Ft | cf/yr<br>Year |
|---------------|-----------------------|------|-------|--------|-------|-------|-------|------|------|------|------|------|----------------|---------------|
|               | Jan.                  | Feb. | Mar.  | Apr.   | May   | June  | July  | Aug. | Sep. | Oct. | Nov. | Dec. |                |               |
| 1911          | 0                     | 0    | 17    | 124    | 29    | 41    | 2     | 0    | 1    | 18   | 8    | 1    | 14,600         |               |
| 1912          | 0                     | 0    | 7     | 182    | 177   | 34    | 7     | 2    | 2    | 4    | 2    | 1    | 25,270         |               |
| 1913          | 0                     | 0    | 35    | 77.6   | 10.5  | 6.7   | 10.5  | 1.5  | 2.7  | 3.0  | 2    | 0    | 9,050          |               |
| 1914          | 0                     | 0    | 10    | 61.0   | 32.0  | 66.0  | 11.1  | 1.5  | 4.7  | 2.2  | 1.0  | 0.9  | 11,440         |               |
| 1915          | 1.1                   | 1.0  | 1.6   | 3.1    | 1.3   | 0.7   | 1.0   | 0.4  | 0.3  | 0.5  | 0.9  | 0.7  | 760            |               |
| 1916          | 0.4                   | 0.4  | 0.4   | 269.0  | 62.0  | 16.0  | 9.9   | 4.4  | 1.3  | 2.1  | 2.2  | 1.7  | 22,160         |               |
| 1917          | 0.5                   | 0.3  | 4.0   | 124.0  | 94.0  | 7.2   | 1.9   | 0.4  | 0.5  | 1.4  | 1.4  | 0.6  | 14,170         |               |
| 1918          | 1.4                   | 1.0  | 13.7  | 50.0   | 28.0  | 4.3   | 0.6   | 5.3  | 1.2  | 0.5  | 0.4  | 0.5  | 6,990          |               |
| 1919          | 0.8                   | 1.4  | 1.1   | 233.0  | 17.9  | 1.6   | 3.1   | 0.3  | 0.2  | 0.7  | 0.8  | 0    | 15,580         |               |
| 1920          | 0                     | 0    | 0.2   | 606.0  | 104.0 | 10.8  | 1.8   | 0.1  | 0.0  | 0.1  | 0.2  | 0.1  | 43,250         |               |
| 1921          | 0                     | 0    | 11.8  | 13.9   | 3.8   | 52.0  | 64.0  | 5.3  | 1.8  | 1.1  | 0.8  | 0.6  | 9,400          |               |
| 1922          | 0.0                   | 0    | 19.9  | 189.0  | 78.0  | 13.6  | 11.2  | 1.3  | 1.0  | 1.3  | 1.3  | 0.9  | 14,140         |               |
| 1923          | 0.9                   | 0.3  | 9.2   | 385.0  | 36.0  | 20    | 10    | 5    | 2    | 0    | 0    | 0    | 28,050         |               |
| 1924          | 0                     | 0    | 44    | 175    | 25    | 4     | 1     | 1    | 4    | 2    | 1    | 0    | 15,470         |               |
| 1925          | 0                     | 0    | 99    | 312    | 31    | 31    | 9     | 0    | 0    | 3    | 1    | 0    | 29,260         |               |
| 1926          | 0                     | 0    | 1     | 15     | 21    | 11    | 40    | 3    | 1    | 1    | 0    | 0    | 5,740          |               |
| 1927          | 0                     | 1    | 12    | 404    | 93    | 71    | 62    | 0    | 1    | 1    | 0    | 0    | 38,650         |               |
| 1928          | 0                     | 0    | 129   | 92     | 10    | 11    | 22    | 0    | 0    | 2    | 0    | 0    | 16,200         |               |
| 1929          | 0                     | 0    | 4     | 0      | 0     | 0     | 2     | 1    | 0    | 1    | 1    | 0    | 560            |               |
| 1930          | 0                     | 4.0  | 34    | 122    | 3     | 1     | 0     | 0    | 3    | 1    | 0    | 0    | 10,190         |               |
| 1931          | 0                     | 0    | 2     | 0      | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 170            |               |
| 1932          | 0                     | 0    | 111   | 91     | 9     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 12,830         |               |
| 1933          | 0                     | 0    | 37    | 15.9   | 75.0  | 89.0  | 6     | 0    | 0    | 0    | 0    | 0    | 13,470         |               |
| 1934          | 0                     | 2    | 28    | 11     | 1     | 2     | 0     | 0    | 0    | 0    | 0    | 0    | 2,680          |               |
| 1935          | 0                     | 0    | 0     | 4      | 1.7   | 1.1   | 0.7   | 0.3  | 1.2  | 0.8  | 0    | 0    | 620            |               |
| 1936          | 0                     | 0    | 0     | 270    | 15.2  | 1.4   | 0.5   | 0.2  | 0.1  | 0.2  | 0    | 0    | 17,140         |               |
| 1937          | 0                     | 0    | 0     | 6      | 2.0   | 0.3   | 2.9   | 0.4  | 0.5  | 0    | 0    | 0    | 750            |               |
| 1938          | 0                     | 0    | 126   | 13.4   | 13.6  | 1.8   | 2.7   | 0.6  | 0.6  | 2    | 1    | 0    | 9,920          |               |
| 1939          | 0                     | 0    | 185   | 90.0   | 3.2   | 2.7   | 0.9   | 0.0  | 0.0  | 0    | 0    | 0    | 17,680         |               |
| 1940          | 0                     | 0    | 0     | 2.0    | 4.9   | 1.6   | 1.4   | 1.6  | 1.6  | 1    | 0    | 0    | 890            |               |
| 1941          | 0                     | 0    | 6     | 225    | 22.7  | 9.1   | 2.0   | 1.6  | 1.8  | 1.5  | 0    | 0    | 16,130         |               |
| 1942          | 0                     | 0    | 27    | 174.0  | 13.5  | 10.5  | 1.4   | 1.7  | 1.1  | 0.9  | 0    | 0    | 13,830         |               |
| 1943          | 0                     | 0    | 213   | 785.0  | 24.4  | 34.1  | 8.3   | 1.1  | 1.1  | 1.5  | 1    | 0    | 64,160         |               |
| 1944          | 0                     | 0    | 0     | 6.6    | 2.3   | 58.0  | 50.0  | 8.9  | 2.1  | 1.8  | 2    | 1    | 8,040          |               |
| 1945          | 0                     | 0    | 3     | 5.0    | 2.3   | 1.4   | 1.1   | 0.8  | 0.8  | 1.3  | 1    | 0    | 1,030          |               |
| 1946          | 0                     | 0    | 102   | 30.8   | 3.8   | 1.8   | 5.9   | 0.9  | 0.7  | 1.1  | 1    | 0    | 9,000          |               |
| 1947          | 0                     | 0    | 110   | 387.0  | 26.2  | 19.9  | 13.9  | 6.4  | 9.7  | 4.7  | 2    | 1    | 34,880         |               |
| 1948          | 0                     | 0    | 0     | 1159.0 | 179.0 | 12.3  | 8.2   | 1.7  | 0.8  | 1.7  | 5    | 2    | 81,880         |               |
| 1949          | 0                     | 0    | 0     | 176.0  | 7.4   | 5.9   | 1.6   | 0.8  | 0.4  | 0.6  | 0.6  | 0    | 11,570         |               |
| 1950          | 0                     | 0    | 10    | 413.0  | 45.4  | 41.0  | 6.8   | 1.2  | 0.6  | 0.9  | 0.9  | 0    | 31,080         |               |
| 1951          | 0                     | 0    | 0     | 666.0  | 245.0 | 11.9  | 2.2   | 1.4  | 2.5  | 2.1  | 2    | 1    | 56,080         |               |
| 1952          | 0                     | 0    | 11    | 267.0  | 9.5   | 2.3   | 2.5   | 1.0  | 1.1  | 1.4  | 0.6  | 0    | 17,690         |               |
| 1953          | 0                     | 0    | 12    | 12.2   | 24.3  | 346.0 | 238.0 | 11.4 | 1.8  | 1.3  | 1.4  | 0    | 39,180         |               |
| 1954          | 0                     | 0    | 0     | 16.2   | 20.6  | 21.8  | 5.8   | 1.4  | 1.6  | 9.1  | 13.7 | 2    | 5,620          |               |
| 1955          | 1                     | 0    | 10    | 388.0  | 194.0 | 24.0  | 6.2   | 0.5  | 0.6  | 2.1  | 1    | 0    | 37,810         |               |
| 1956          | 0                     | 0    | 27.6  | 130.0  | 21.5  | 2.1   | 0.7   | 0.6  | 0.2  | 0.2  | 0.1  | 0    | 10,990         |               |
| TOTAL         | 7                     | 14   | 1,476 | 8,800  | 1,825 | 1,106 | 641   | 79   | 59   | 82   | 60   | 19   | 851,000        |               |
| AVER-<br>AGE: | 0.1                   | 0.3  | 32    | 191    | 40    | 24    | 14    | 2    | 1.3  | 2    | 1.3  | 0.4  | 18,500         |               |







Drainage Area: 1,900 sq.mi.

HYDROLOGIC SECTION

COMPLETED

628

MOOSE MOUNTAIN CREEK near OXBOW

sec.22-3-2-W2

(River, canal, lake)

(Location)

26

5ND2

(Recorded or Natural) Station Index No. Monthly Units (c.f.s.m., c.m.s.l.)

| Year          | Jan. | Feb. | Mar.  | Apr.  | May   | June  | July | Aug. | Sept. | Oct. | Nov. | Dec. | TOTAL<br>Ac.Ft. | cram<br>Year |
|---------------|------|------|-------|-------|-------|-------|------|------|-------|------|------|------|-----------------|--------------|
| 1911          | 0    | 0    | 13    | 95    | 21    | 57    | 2    | 1    | 1     | 14   | 6    | 1    | 12,660          |              |
| 1912          | 0    | 0    | 5     | 130   | 180   | 46    | 5    | 2    | 1     | 3    | 2    | 1    | 22,700          |              |
| 1913          | 0    | 1    | 16    | 153   | 6     | 5     | 8    | 2    | 3     | 4.6  | 5    | 2.3  | 12,280          |              |
| 1914          | 0    | 0    | 10    | 224   | 106   | 71    | 19   | 2.7  | 3.9   | 1.3  | 0    | 0    | 26,360          |              |
| 1915          | 0    | 0    | 0     | 9.4   | 8.3   | 8.3   | 8    | .6   | 0     | 0    | 0    | 0    | 2,090           |              |
| 1916          | 0    | 0    | 0     | 199   | 102   | 49    | 29   | 4.9  | .1    | 5.2  | 3    | 1    | 23,680          |              |
| 1917          | 0    | 0    | 2     | 393   | 174   | 35    | 11   | .1   | .1    | 0    | 0    | 0    | 37,040          |              |
| 1918          | 0    | 0    | 39    | 37    | 18    | 2     | 0    | 1    | 0     | 0    | 0    | 0    | 5,970           |              |
| 1919          | 0    | 0    | 0     | 176   | 12    | 1     | 2    | 0    | 0     | 0    | 0    | 0    | 9,070           |              |
| 1920          | 0    | 0    | 1     | 387   | 80    | 5     | 0    | 0    | 0     | 0    | 0    | 0    | 28,340          |              |
| 1921          | 0    | 0    | 6     | 8     | 4     | 62    | 68   | 5    | 2     | 1    | 0    | 0    | 9,500           |              |
| 1922          | 0    | 0    | 19    | 206   | 82    | 15    | 7    | 0    | 0     | 0    | 1    | 0    | 19,940          |              |
| 1923          | 0    | 0    | 7     | 280   | 32    | 14    | 99   | 7    | 2     | 8    | 0    | 0    | 27,080          |              |
| 1924          | 0    | 0    | 39    | 136   | 20    | 6     | 1    | 1    | 4     | 2    | 1    | 0    | 14,000          |              |
| 1925          | 0    | 0    | 85    | 267   | 24    | 50    | 8    | 0    | 0     | 3    | 1    | 0    | 26,330          |              |
| 1926          | 0    | 0    | 1     | 13    | 16    | 14    | 35   | 4    | 1     | 1    | 0    | 0    | 5,200           |              |
| 1927          | 0    | 1    | 10    | 334   | 89    | 92    | 51   | 0    | 1     | 1    | 0    | 0    | 34,780          |              |
| 1928          | 0    | 0    | 113   | 83    | 9     | 14    | 20   | 0    | 0     | 2    | 0    | 0    | 14,680          |              |
| 1929          | 0    | 0    | 3     | 0     | 0     | 0     | 2    | 1    | 0     | 1    | 1    | 0    | 510             |              |
| 1930          | 0    | 4    | 32    | 110   | 2     | 1     | 0    | 0    | 3     | 1    | 0    | 0    | 9,210           |              |
| 1931          | 0    | 0    | 2     | 0     | 0     | 0     | 0    | 0    | 0     | 0    | 0    | 0    | 180             |              |
| 1932          | 0    | 0    | 101   | 82    | 7     | 0     | 0    | 0    | 0     | 0    | 0    | 0    | 11,520          |              |
| 1933          | 0    | 1    | 140   | 36.7  | 13.8  | 4.5   | 3    | 2    | 0     | 0    | 0    | 0    | 12,330          |              |
| 1934          | 0    | 0    | 48    | 37.1  | 5.5   | 1     | 0    | 0    | 0     | 0    | 0    | 0    | 5,630           |              |
| 1935          | 0    | 0    | 0     | 28.2  | 10.1  | 6.1   | 34.4 | .9   | 0     | 0    | 0    | 0    | 4,850           |              |
| 1936          | 0    | 0    | 0     | 113   | 41.3  | 2.9   | 0    | 0    | 0     | 0    | 0    | 0    | 9,440           |              |
| 1937          | 0    | 0    | 0     | 10    | .6    | 0     | 0    | 0    | 0     | 1    | 0    | 0    | 690             |              |
| 1938          | 0    | 0    | 36    | 6     | .6    | 0     | .4   | 0    | 0     | 0    | 0    | 0    | 2,630           |              |
| 1939          | 0    | 0    | 180   | 51    | 1.7   | 0     | 1.1  | 0    | 0     | 0    | 0    | 0    | 14,280          |              |
| 1940          | 0    | 0    | 0     | 2     | .9    | 0     | 0    | 0    | 0     | 0    | 0    | 0    | 170             |              |
| 1941          | 0    | 0    | 2     | 20.9  | 2.7   | 2     | 0    | 0    | 0     | 0    | 0    | 0    | 1,650           |              |
| 1942          | 0    | 0    | 12    | 77    | 15.2  | 6.8   | 2    | 8.8  | 4.3   | 2    | 2    | 1    | 7,910           |              |
| 1943          | 0    | 2    | 14    | 438   | 52    | 26.9  | 8.9  | 1.6  | 1     | 0    | 0    | 0    | 32,570          |              |
| 1944          | 0    | 0    | 0     | 14.6  | 11.3  | 27.8  | 23.1 | 9.3  | 2.7   | 1.6  | 1    | 0    | 5,560           |              |
| 1945          | 0    | 0    | 11    | 7.1   | 3.7   | 10.2  | 21.1 | 2.5  | 1.7   | 2.6  | 2    | 0    | 3,850           |              |
| 1946          | 0    | 0    | 301   | 119   | 13.2  | 9.5   | 3.6  | 0    | 0     | 0    | 0    | 0    | 27,260          |              |
| 1947          | 0    | 0    | 3     | 616   | 128   | 113   | 34.7 | 8    | 2.6   | 2.6  | 4    | 3    | 54,800          |              |
| 1948          | 2    | 1    | 0     | 401   | 337   | 21.3  | 6.9  | 2.4  | 0     | 0    | 0    | 0    | 46,600          |              |
| 1949          | 0    | 0    | 0     | 169   | 15    | 17.4  | 2.3  | 2.2  | 0     | 0    | 1    | 0    | 12,410          |              |
| 1950          | 0    | 1    | 71    | 241   | 63    | 24    | 16   | 29.6 | 3.5   | 3.9  | 3    | 1    | 27,560          |              |
| 1951          | 0    | 0    | 0     | 316   | 131   | 17.8  | 4.9  | 1.4  | 3.5   | 8.3  | 8    | 3    | 29,810          |              |
| 1952          | 2    | 1    | 40    | 78    | 17.1  | 9.7   | 8.6  | .4   | 3.9   | 3.3  | 2    | 0    | 10,050          |              |
| 1953          | 0    | 0    | 21    | 240   | 66    | 148   | 65   | 14.2 | 3.3   | 2.2  | 5    | 1    | 34,000          |              |
| 1954          | 0    | 0    | 1     | 84    | 69    | 314   | 122  | 23.3 | 36.7  | 39.9 | 43.9 | 15   | 45,090          |              |
| 1955          | 8    | 2    | 13    | 776   | 643   | 299   | 114  | 35   | 21    | 29   | 5    | 2    | 113,350         |              |
| 1956          | 0    | 0    | 33.6  | 766   | 222   | 81    | 56   | 43.3 | 7.1   | 16   | 6    | 4    | 74,350          |              |
| TOTAL         | 14   | 18   | 1,432 | 7,951 | 2,856 | 1,622 | 904  | 219  | 115   | 162  | 108  | 41   | 929,950         |              |
| AVER-<br>AGE: | .3   | .4   | 31    | 173   | 62    | 35    | 20   | 5    | 3     | 4    | 2    | 1    | 20,217          |              |







STATION NO. 5NG<sub>6</sub> - near Weston, Minn.

SE18-8-27-71

(River, canal, lake)

(Location)

5NG<sub>6</sub>

(Recorded or Natural)

Station Index No.

Monthly Units (c.f.s.m., g.m.s...)

| Year          | Jan. | Feb. | Mar. | Apr.  | May   | June  | July  | Aug. | Sep. | Oct. | Nov. | Dec. | TOTAL<br>Ac.Ft | cfs<br>Year |
|---------------|------|------|------|-------|-------|-------|-------|------|------|------|------|------|----------------|-------------|
| 1911          | 0    | 0    | 8    | 119   | 31    | 84    | 4     | 0    | 0    | 9    | 4    | 1    | 15,400         |             |
| 1912          | 0    | 0    | 3    | 160   | 219   | 74    | 8     | 1    | 1    | 2    | 1    | 1    | 16,100         |             |
| 1913          | 0    | 1    | 12   | 211   | 9     | 12    | 13    | 1    | 1    | 4    | 4    | 2    | 16,100         |             |
| 1914          | 1    | 0    | 10   | 148   | 90    | 83    | 69    | 14   | 9    | 10   | 7    | 4    | 17,000         |             |
| 1915          | 2    | 0    | 2    | 40    | 25    | 23    | 19    | 4    | 2    | 3    | 2    | 1    | 7,100          |             |
| 1916          | .5   | 0    | 7    | 101   | 62    | 57    | 47    | 9    | 6    | 7    | 5    | .5   | 12,200         |             |
| 1917          | .5   | 0    | 11   | 155   | 94    | 87    | 72    | 14   | 9    | 11   | 7    | 1    | 27,000         |             |
| 1918          | .5   | 0    | 4    | 61    | 37    | 34    | 28    | 6    | 4    | 4    | 3    | .5   | 11,200         |             |
| 1919          | 0    | 0    | 6    | 86    | 52    | 48    | 40    | 8    | 5    | 6    | 4    | 1    | 25,500         |             |
| 1920          | .5   | 0    | 16   | 231   | 140   | 130   | 107   | 21   | 14   | 16   | 11   | 7    | 17,200         |             |
| 1921          | 2    | 1    | 27   | 389   | 237   | 218   | 180   | 36   | 23   | 27   | 19   | 10   | 20,600         |             |
| 1922          | 4    | 2    | 31   | 459   | 279   | 257   | 213   | 42   | 27   | 31   | 22   | 10   | 22,100         |             |
| 1923          | 4    | 2    | 24   | 353   | 215   | 198   | 164   | 33   | 21   | 24   | 17   | 5    | 21,000         |             |
| 1924          | 2    | 1    | 13   | 190   | 116   | 107   | 88    | 18   | 11   | 13   | 9    | 3    | 21,500         |             |
| 1925          | 1    | .5   | 7    | 106   | 65    | 60    | 49    | 10   | 6    | 7    | 5    | 2    | 12,200         |             |
| 1926          | 1    | 0    | 6    | 93    | 56    | 52    | 43    | 9    | 6    | 6    | 4    | 1    | 16,700         |             |
| 1927          | 1    | 0    | 26   | 283   | 175   | 170   | 133   | 27   | 17   | 20   | 14   | 5    | 52,200         |             |
| 1928          | 3    | 2    | 11   | 158   | 96    | 89    | 73    | 15   | 9    | 11   | 8    | 2    | 28,800         |             |
| 1929          | 1    | .5   | 3    | 37    | 23    | 21    | 17    | 3    | 2    | 3    | 2    | 1    | 4,000          |             |
| 1930          | 1    | 0    | 2    | 34    | 21    | 19    | 16    | 3    | 2    | 2    | 2    | .5   | 4,200          |             |
| 1931          | 1    | 0    | 1    | 14    | 9     | 8     | 7     | 1    | 1    | 1    | 1    | 0    | 2,700          |             |
| 1932          | 0    | 0    | 1    | 20    | 12    | 11    | 9     | 2    | 1    | 1    | 1    | 0    | 2,500          |             |
| 1933          | 0    | 0    | 12   | 177   | 108   | 99    | 82    | 16   | 11   | 12   | 8    | 2    | 31,800         |             |
| 1934          | 1    | .5   | 4    | 54    | 33    | 30    | 25    | 5    | 3    | 4    | 3    | .5   | 9,800          |             |
| 1935          | 1    | 0    | 8    | 120   | 73    | 67    | 55    | 11   | 7    | 8    | 6    | 2    | 21,600         |             |
| 1936          | 1    | 0    | 5    | 539   | 109   | 18    | 5     | 1    | 0    | 0    | 0    | 0    | 40,500         |             |
| 1937          | 0    | 0    | 1    | 8     | 5     | 5     | 4     | 1    | 1    | 1    | 0    | 0    | 1,600          |             |
| 1938          | 0    | 0    | 3    | 40    | 25    | 23    | 19    | 4    | 2    | 3    | 2    | 1    | 7,100          |             |
| 1939          | 1    | 0    | 2    | 25    | 15    | 14    | 12    | 2    | 2    | 2    | 1    | 0    | 1,600          |             |
| 1940          | 0    | 0    | 1    | 8     | 5     | 5     | 4     | 1    | 1    | 1    | 0    | 0    | 1,600          |             |
| 1941          | 0    | 0    | 2    | 29    | 17    | 16    | 13    | 3    | 2    | 2    | 1    | .5   | 5,200          |             |
| 1942          | .5   | 0    | 22   | 329   | 200   | 184   | 152   | 30   | 20   | 22   | 16   | 8    | 50,100         |             |
| 1943          | 3    | 0    | 29   | 765   | 58    | 41    | 14    | 4    | 2    | 2    | 2    | 1    | 55,100         |             |
| 1944          | 0    | 0    | 0    | 17    | 0     | 23    | 28    | 6    | 4    | 2    | 0    | 0    | 5,600          |             |
| 1945          | 0    | 0    | 48   | 36    | 19    | 22    | 22    | 5    | 1    | 4    | 2    | 1    | 10,300         |             |
| 1946          | 0    | 0    | 158  | 278   | 27    | 17    | 80    | 6    | 1    | 12   | 5    | 3    | 35,800         |             |
| 1947          | 1    | 0    | 0    | 510   | 90    | 272   | 135   | 20   | 11   | 7    | 5    | 3    | 63,800         |             |
| 1948          | 1    | 0    | 0    | 407   | 241   | 57    | 34    | 10   | 7    | 4    | 0    | 0    | 53,000         |             |
| 1949          | 0    | 0    | 0    | 277   | 27    | 30    | 14    | 14   | 2    | 8    | 8    | 4    | 26,500         |             |
| 1950          | 2    | 0    | 24   | 308   | 209   | 91    | 116   | 117  | 20   | 14   | 13   | 5    | 61,000         |             |
| 1951          | 2    | 0    | 0    | 108   | 210   | 33    | 24    | 2    | 0    | 20   | 15   | 8    | 50,500         |             |
| 1952          | 3    | 1    | 9    | 238   | 35    | 17    | 18    | 5    | 31   | 6    | 4    | 1    | 22,000         |             |
| 1953          | 0    | 0    | 14   | 296   | 57    | 123   | 153   | 27   | 4    | 11   | 27   | 10   | 60,800         |             |
| 1954          | 3    | 1    | 0    | 174   | 87    | 522   | 847   | 86   | 22   | 162  | 06   | 10   | 123,000        |             |
| 1955          | 10   | 3    | 4    | 825   | 1090  | 584   | 270   | 32   | 14   | 5    | 4    | 1    | 175,200        |             |
| 1956          | 1    | .5   | 20   | 478   | 254   | 69    | 73    | 26   | 0    | 10   | 8    | 5    | 65,800         |             |
| TOTAL         | 57   | 16   | 591  | 9,993 | 5,086 | 4,558 | 3,617 | 732  | 460  | 543  | 378  | 125  | 1,577,600      |             |
| AVER-<br>AGE: | 1    | 5    | 13   | 217   | 111   | 99    | 79    | 16   | 10   | 12   | 8    | 3    | 54,300         |             |







Drainage Area: 4,760

HYDROMETRIC SUMMARY

COMPLETED

62

Souris River at Estevan, Sask.  
(River, canal, lake)

Sec 11-2-8-W2  
(Location)

5NB<sub>2</sub>

26

| Year          | (Recorded or Natural)              |      |         |          |         |         |         |       |      |       |      |      | TOTAL<br>Ac. Ft. | CFS<br>Year |
|---------------|------------------------------------|------|---------|----------|---------|---------|---------|-------|------|-------|------|------|------------------|-------------|
|               | Station Index No.                  |      |         |          |         |         |         |       |      |       |      |      |                  |             |
|               | Monthly Units (c.f.s.m., g.m.s.l.) |      |         |          |         |         |         |       |      |       |      |      |                  |             |
|               | Jan.                               | Feb. | Mar.    | Apr.     | May     | June    | July    | Aug.  | Sep. | Oct.  | Nov. | Dec. |                  |             |
| 1911          | 0                                  | 0    | 33      | 230      | 52      | 138     | 1.4     | 1.5   | 1.9  | 33.8  | 14.4 | 2.0  | 30,700           |             |
| 1912          | 0.1                                | 0    | 12      | 316      | 436     | 112     | 13.2    | 5.2   | 3.   | 6.7   | 4.4  | 2.3  | 55,100           |             |
| 1913          | 0.3                                | 2.4  | 44.     | 409.     | 17.3    | 12.4    | 21.4    | 4.2   | 0.7  | 1.1   | 2.2  | 1.0  | 30,900           |             |
| 1914          | 0.3                                | 0.5  | 86.     | 229.     | 65.     | 155.    | 14.4    | 2.2   | 0.8  | 1.4   | 0.8  | 1.0  | 33,400           |             |
| 1915          | 1.0                                | 1.9  | 1.9     | 3.0      | 2.      | 1       | 1.2     | 0.3   | 0    | 0     | 0.4  | 0.7  | 800              |             |
| 1916          | 0.6                                | 1.6  | 2.8     | 1170.    | 242.    | 44.9    | 27.     | 10.8  | 3.4  | 2.9   | 2.2  | 1.5  | 90,400           |             |
| 1917          | 0.5                                | 0.5  | 34.     | 408.     | 217.    | 35.     | 15.     | 1.5   | 0.5  | 0.6   | 1.2  | 0.3  | 43,000           |             |
| 1918          | 0.1                                | 0.6  | 93.4    | 89.      | 43.     | 5.2     | 0.9     | 2.8   | 0.5  | 0.4   | 1.0  | 0.5  | 14,400           |             |
| 1919          | 0.7                                | 0.7  | 0.8     | 330.     | 28.     | 2.      | 3.7     | 0.1   | 0    | 0     | 0.5  | 0    | 21,900           |             |
| 1920          | 0                                  | 0    | 0       | 938.     | 195.    | 11.4    | 1.3     | 0.1   | 0    | 0.2   | 0.7  | 0.5  | 68,600           |             |
| 1921          | 0.2                                | 0.2  | 15.5    | 18.2     | 2.6     | 149.    | 166.    | 13.3  | 3.8  | 2.1   | 1.2  | 0.7  | 23,000           |             |
| 1922          | 0.4                                | 0.8  | 45.0    | 499.     | 198.    | 36.0    | 15.5    | 0.7   | 0.4  | 0.9   | 1.8  | 1.3  | 48,100           |             |
| 1923          | 0.6                                | 0.3  | 14.8    | 678.     | 77.     | 33.     | 275     | 16.   | 4.   | 2.    | 1.   | 0.5  | 66,300           |             |
| 1924          | 1.                                 | 1.   | 94.     | 376.     | 48.     | 19.     | 2       | 2     | 9.4  | 4.    | 2.   | 1.   | 33,600           |             |
| 1925          | 0.4                                | 0    | 205.    | 646.     | 59.     | 120.    | 19      | 0     | 0    | 7.    | 2.   | 1.   | 63,600           |             |
| 1926          | 0                                  | 0    | 2.      | 31.      | 38      | 33.     | 85.     | 10.   | 3.   | 2.    | 1.   | 0    | 12,500           |             |
| 1927          | 0                                  | 2.   | 25.     | 809.     | 215.    | 222     | 124.    | 1.    | 2.   | 2.    | 1.   | 0    | 84,200           |             |
| 1928          | 0                                  | 0    | 273.    | 198.     | 20.     | 33      | 48.     | 1     | 1    | 5     | 0    | 0    | 35,100           |             |
| 1929          | 0                                  | 0    | 8       | 1        | 0.3     | 0       | 4       | 2     | 0.2  | 3     | 2    | 0    | 1,300            |             |
| 1930          | 0                                  | 9    | 76      | 266      | 5.      | 2       | 1       | 0.1   | 7.   | 3.    | 1    | 0    | 22,200           |             |
| 1931          | 0                                  | 1    | 4       | 0.4      | 0       | 0.4     | 0.4     | 0     | 0    | 0     | 0    | 0    | 400              |             |
| 1932          | 0                                  | 0    | 244     | 199      | 17      | 0       | 0       | 0     | 0    | 0     | 0    | 0    | 27,900           |             |
| 1933          | 0                                  | 0    | 80      | 55.      | 183.    | 206.    | 12.2    | 0.3   | 0    | 0     | 0    | 0    | 32,500           |             |
| 1934          | 0                                  | 4.   | 61      | 24.8     | 1.9     | 6.5     | 0.5     | 0     | 0    | 0     | 0    | 0    | 6,000            |             |
| 1935          | 0                                  | 0    | 0.1     | 42.3     | 28.4    | 6.6     | 0.3     | 0     | 0    | 0     | 0    | 0    | 4,700            |             |
| 1936          | 0                                  | 0    | 0.3     | 303.     | 81.     | 7.7     | 0.5     | 0     | 0    | 0     | 0    | 0    | 28,900           |             |
| 1937          | 0                                  | 0    | 0.2     | 0.4      | 0.4     | 0       | 0       | 0     | 0    | 0     | 0    | 0    | 60               |             |
| 1938          | 0                                  | 0    | 286.    | 62       | 33.7    | 2.3     | 1.2     | 0     | 0    | 0     | 0    | 0    | 23,600           |             |
| 1939          | 0                                  | 0    | 354.    | 254.     | 7.7     | 1.5     | 0       | 0     | 0    | 0     | 0    | 0    | 37,400           |             |
| 1940          | 0                                  | 0    | 0       | 0.3      | 1.7     | 0.8     | 0       | 0     | 0    | 0     | 0    | 0    | 170              |             |
| 1941          | 0                                  | 0    | 13.     | 369.     | 76.     | 27.     | 2.9     | 0.2   | 5.9  | 9.4   | 6.2  | 2.2  | 30,700           |             |
| 1942          | 0.2                                | 1.0  | 62.     | 375.     | 90.     | 29.7    | 13.5    | 8.2   | 2.7  | 2.7   | 2.4  | 1.1  | 35,400           |             |
| 1943          | 0.9                                | 0.3  | 95.     | 203.     | 165.    | 93.     | 25.8    | 4.8   | 0.4  | 0.5   | 0.7  | 0.2  | 114,400          |             |
| 1944          | 0.2                                | 0.1  | 0       | 6.1      | 10.8    | 137.    | 90.     | 35.2  | 13.6 | 4.9   | 1.5  | 0.8  | 18,100           |             |
| 1945          | 0.9                                | 1.1  | 1.5     | 8.0      | 2.2     | 1.      | 1.1     | 0.1   | 0    | 0     | 0    | 0.2  | 970              |             |
| 1946          | 0.4                                | 0.1  | 155.    | 64.      | 3.7     | 1.8     | 4.6     | 0     | 0    | 0     | 0    | 0    | 14,000           |             |
| 1947          | 0                                  | 0    | 98.     | 948.     | 183.    | 36.4    | 30.2    | 0.7   | 13.0 | 7.3   | 5.2  | 3.9  | 79,600           |             |
| 1948          | 3.6                                | 2.4  | 3.5     | 1510.    | 873.    | 82.     | 34.4    | 6.6   | 0.5  | 0.6   | 1.2  | 0.7  | 151,700          |             |
| 1949          | 0.9                                | 0.8  | 2.8     | 368.     | 21.5    | 9.4     | 1.4     | 1.2   | 0.2  | 0.2   | 1.8  | 0.3  | 24,400           |             |
| 1950          | 0.3                                | 0.2  | 20.6    | 538.0    | 111.0   | 66.0    | 11.8    | 1.2   | 0.3  | 0.4   | 0.2  | 0.2  | 44,900           |             |
| 1951          | 0.2                                | 0.2  | 1.2     | 740.     | 975.    | 65.     | 6.8     | 2.8   | 5.1  | 10.2  | 6.3  | 3.0  | 110,000          |             |
| 1952          | 2.6                                | 2.5  | 25.2    | 470.     | 30.4    | 2.8     | 3.7     | 0.9   | 1.5  | 0.1   | 0.9  | 0.3  | 32,300           |             |
| 1953          | 0                                  | 0    | 19.2    | 71.      | 71.     | 786.    | 717.    | 94.   | 10.6 | 5.0   | 2.0  | 1.0  | 107,500          |             |
| 1954          | 0                                  | 0    | 5.      | 68.      | 46.8    | 104.    | 23.     | 0.6   | 1.2  | 6.8   | 4.0  | 1.   | 15,700           |             |
| 1955          | 0                                  | 0    | 18.     | 931.     | 463.    | 93.     | 13.     | 0     | 0    | 0     | 0    | 0    | 91,300           |             |
| 1956          | 0                                  | 0.5  | 130.    | 941.     | 307.    | 101.    | 120.    | 28.   | 0.7  | 0.3   | 0    | 0    | 98,600           |             |
| TOTAL         | 16.2                               |      | 2,754.8 |          | 5,751.4 |         | 1,956.4 |       | 97.3 |       | 74.2 |      | 1,940,200        |             |
|               |                                    | 35.7 |         | 18,113.5 |         | 3,930.8 |         | 259.7 |      | 127.0 |      | 29.3 |                  |             |
| AVER-<br>AGE: | 0.4                                | 0.8  | 59.2    | 393.7    | 125.0   | 65.2    | 42.5    | 5.6   | 2.1  | 2.8   | 1.6  | 6.4  | 42,200           |             |





SOURIS RIVER - Oxbow, Sask.  
(River, canal, lake)

Sec. 14-3-2-W2  
(Location)

5ND<sub>3</sub>

26

(Recorded or Natural) Station Index No. Monthly Units (c.f.s.m., g.m.s.l.)

| Year          | (Recorded or Natural) |      |       |        |        |       |       |      |      |      |      |      | TOTAL<br>Ac.Ft | cfs<br>Year |
|---------------|-----------------------|------|-------|--------|--------|-------|-------|------|------|------|------|------|----------------|-------------|
|               | Jan.                  | Feb. | Mar.  | Apr.   | May    | June  | July  | Aug. | Sep. | Oct. | Nov. | Dec. |                |             |
| 1911          | 0                     | 0    | 69    | 419    | 108    | 256   | 9     | 3    | 5    | 66   | 31   | 4    | 58,230         |             |
| 1912          | 0                     | 0    | 24    | 568    | 898    | 208   | 28    | 10   | 6    | 14   | 9    | 5    | 107,260        |             |
| 1913          | 0                     | 3    | 93    | 737    | 34     | 24    | 45    | 8    | 6    | 8    | 11   | 5    | 58,330         |             |
| 1914          | 0                     | 1    | 136   | 545    | 234    | 280   | 48    | 6    | 6    | 3    | 2    | 1    | 75,940         |             |
| 1915          | 1                     | 3    | 3     | 20     | 20     | 14    | 17    | 1    | 0    | 0    | 0    | 1    | 4,830          |             |
| 1916          | 1                     | 2    | 4     | 1,636  | 474    | 116   | 80    | 21   | 4    | 11   | 8    | 3    | 141,500        |             |
| 1917          | 1                     | 1    | 55    | 1,042  | 582    | 94    | 60    | 2    | 1    | 1    | 1    | 0    | 109,640        |             |
| 1918          | 0                     | 1    | 206   | 170    | 92     | 10    | 1     | 5    | 1    | 1    | 2    | 1    | 29,750         |             |
| 1919          | 1                     | 1    | 1     | 642    | 63     | 4     | 9     | 0    | 0    | 0    | 1    | 0    | 43,100         |             |
| 1920          | 0                     | 0    | 1     | 1,676  | 398    | 21    | 2     | 0    | 0    | 0    | 1    | 1    | 125,750        |             |
| 1921          | 0                     | 0    | 33    | 32     | 19     | 272   | 348   | 25   | 8    | 4    | 2    | 1    | 45,120         |             |
| 1922          | 1                     | 1    | 96    | 898    | 409    | 67    | 34    | 1    | 1    | 1    | 5    | 2    | 91,280         |             |
| 1923          | 1                     | 0    | 32    | 1,174  | 148    | 60    | 552   | 32   | 9    | 13   | 2    | 1    | 121,980        |             |
| 1924          | 2                     | 2    | 214   | 670    | 97     | 34    | 4     | 4    | 19   | 8    | 4    | 2    | 63,730         |             |
| 1925          | 1                     | 0    | 437   | 1,141  | 120    | 222   | 40    | 0    | 0    | 14   | 5    | 2    | 119,150        |             |
| 1926          | 0                     | 0    | 6     | 56     | 86     | 65    | 194   | 21   | 6    | 4    | 2    | 0    | 26,800         |             |
| 1927          | 0                     | 2    | 48    | 1,333  | 410    | 382   | 246   | 2    | 4    | 4    | 1    | 0    | 146,110        |             |
| 1928          | 3                     | 2    | 865   | 1,050  | 308    | 256   | 432   | 128  | 22.6 | 19.5 | 10   | 4    | 187,950        |             |
| 1929          | 2                     | 1    | 41.7  | 84     | 64     | 143   | 10.7  | 0    | 0    | 0.1  | 0    | 0    | 20,850         |             |
| 1930          | 0                     | 32   | 268   | 323    | 73     | 23.3  | 19.1  | 1.6  | 0    | 0    | 0    | 0    | 44,620         |             |
| 1931          | 0                     | 2    | 9     | 1      | 0      | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 720            |             |
| 1932          | 0                     | 0    | 507   | 349    | 34     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 54,030         |             |
| 1933          | 1                     | 1    | 322   | 111    | 175    | 365   | 22    | 3    | 0    | 0    | 0    | 0    | 60,740         |             |
| 1934          | 0                     | 0    | 182   | 86     | 11     | 10    | 1     | 0    | 0    | 0    | 0    | 0    | 17,640         |             |
| 1935          | 0                     | 0    | 0     | 103    | 61     | 18    | 57    | 1    | 0    | 0    | 0    | 0    | 14,520         |             |
| 1936          | 0                     | 0    | 0     | 674    | 190    | 15    | 1     | 0    | 0    | 0    | 0    | 0    | 52,710         |             |
| 1937          | 0                     | 0    | 0     | 13     | 1      | 0     | 0     | 0    | 0    | 1    | 0    | 0    | 900            |             |
| 1938          | 0                     | 0    | 167   | 88     | 60     | 3     | 2     | 0    | 0    | 0    | 0    | 0    | 37,940         |             |
| 1939          | 0                     | 0    | 753   | 351    | 13     | 2     | 1     | 0    | 0    | 0    | 0    | 0    | 68,170         |             |
| 1940          | 0                     | 0    | 0     | 2      | 4      | 1     | 0     | 0    | 0    | 0    | 0    | 0    | 420            |             |
| 1941          | 0                     | 0    | 25    | 524    | 126    | 42    | 5     | 0    | 10   | 14   | 10   | 4    | 45,570         |             |
| 1942          | 0                     | 1    | 114   | 580    | 156    | 48    | 23    | 23   | 11   | 7    | 8    | 3    | 58,600         |             |
| 1943          | 1                     | 0.5  | 46    | 2,770  | 274    | 139   | 66    | 11   | 6.7  | 0    | 0    | 0    | 197,990        |             |
| 1944          | 0                     | 0    | 1     | 46.5   | 22.7   | 225   | 282   | 45.1 | 18.7 | 10   | 5    | 2    | 39,870         |             |
| 1945          | 0.5                   | 0    | 12    | 22.8   | 9.7    | 16.4  | 26.8  | 8    | 2    | 3.5  | 2.5  | 1.5  | 6,410          |             |
| 1946          | 1                     | 1    | 614   | 220    | 18.2   | 15.1  | 11.1  | 1.5  | 1.2  | 1.4  | 1.2  | 1    | 54,050         |             |
| 1947          | 1                     | 0.5  | 122   | 1,564  | 309    | 259   | 113   | 17   | 21.8 | 7    | 6    | 5    | 145,450        |             |
| 1948          | 2                     | 2    | 1     | 1,898  | 1,570  | 119   | 73    | 26.5 | 3.0  | 2.4  | 7    | 4    | 224,020        |             |
| 1949          | 2                     | 1    | 1     | 768    | 46.5   | 39.9  | 8.1   | 4.7  | 0.3  | 2.4  | 5.5  | 3    | 52,570         |             |
| 1950          | 1.5                   | 1    | 113   | 936    | 302    | 127   | 51    | 33.2 | 8.7  | 5.8  | 7    | 4    | 95,690         |             |
| 1951          | 2                     | 1.5  | 5     | 1,240  | 1,340  | 153   | 10.3  | 12.1 | 11.6 | 18.6 | 15   | 1    | 170,510        |             |
| 1952          | 1                     | 0.5  | 72    | 693    | 82     | 24.9  | 17.2  | 1.5  | 5.3  | 4.5  | 2    | 1.5  | 54,230         |             |
| 1953          | 1                     | 0.5  | 43    | 292    | 144    | 1,050 | 1,010 | 129  | 14.6 | 4.8  | 9    | 4    | 163,420        |             |
| 1954          | 3                     | 2    | 5     | 168    | 125    | 462   | 151   | 34.7 | 49.8 | 55   | 73   | 15   | 68,800         |             |
| 1955          | 8                     | 5    | 3     | 2,090  | 1,210  | 334   | 121   | 33   | 24   | 32   | 20   | 8    | 234,130        |             |
| 1956          | 3                     | 1    | 158   | 1,680  | 498    | 155   | 189   | 53   | 13   | 20.1 | 15   | 7    | 1168,570       |             |
| TOTAL         | 43                    | 73   | 6,208 | 31,496 | 11,420 | 6,174 | 4,409 | 708  | 300  | 361  | 283  | 97   | 3,709,700      |             |
| AVER-<br>AGE: | 1                     | 2    | 135   | 685    | 248    | 134   | 96    | 15   | 7    | 8    | 6    | 2    | 80,646         |             |







Drainage Area: 9,330

HYDROMETRIC SUMMARY

COMPLETED 628

SOURIS RIVER at Sherwood, N.D.  
(River, canal, lake)

Sec.33 T.164N. R.87 W  
(Location)

5NF0.2

26

(Recorded or Natural) Station Index No. Monthly Units (c.f.s.m., g.m.s.l.)

| Year          | Jan. | Feb.  | Mar.  | Apr.     | May      | June    | July    | Aug.  | Sep. | Oct.  | Nov.  | Dec.  | TOTAL<br>Ac.Ft | cfs<br>Yea: |
|---------------|------|-------|-------|----------|----------|---------|---------|-------|------|-------|-------|-------|----------------|-------------|
| 1911          | 0    | 0     | 51    | 442      | 114      | 265     | 10      | 6     | 7    | 73    | 35    | 5     | 61,100         |             |
| 1912          | 0    | 0     | 20    | 593      | 939      | 213     | 37      | 16    | 8    | 15    | 10    | 7     | 112,600        |             |
| 1913          | 0    | 3     | 82    | 769      | 35       | 24      | 60      | 13    | 8    | 9     | 12    | 7     | 61,200         |             |
| 1914          | 0    | 1     | 125   | 578      | 247      | 288     | 62      | 10    | 8    | 3     | 2     | 1     | 79,700         |             |
| 1915          | 1    | 3     | 2     | 20       | 20       | 14      | 21      | 2     | 0    | 0     | 0     | 1     | 5,100          |             |
| 1916          | 1    | 2     | 3     | 1,585    | 503      | 120     | 102     | 31    | 6    | 12    | 9     | 4     | 148,700        |             |
| 1917          | 1    | 1     | 48    | 1,097    | 611      | 95      | 51      | 4     | 1    | 1     | 1     | 0     | 115,100        |             |
| 1918          | 0    | 1     | 197   | 186      | 103      | 11      | 1       | 10    | 1    | 1     | 2     | 1     | 31,200         |             |
| 1919          | 1    | 1     | 1     | 675      | 65       | 4       | 10      | 0     | 0    | 0     | 1     | 0     | 45,300         |             |
| 1920          | 0    | 0     | 1     | 1,749    | 429      | 23      | 2       | 0     | 0    | 0     | 1     | 1     | 132,100        |             |
| 1921          | 0    | 0     | 23    | 22       | 20       | 275     | 391     | 32    | 11   | 4     | 2     | 1     | 47,400         |             |
| 1922          | 1    | 1     | 86    | 952      | 429      | 68      | 43      | 2     | 1    | 1     | 5     | 3     | 95,800         |             |
| 1923          | 1    | 0     | 24    | 1,205    | 153      | 50      | 610     | 43    | 12   | 14    | 2     | 1     | 128,100        |             |
| 1924          | 2    | 2     | 197   | 724      | 103      | 35      | 4       | 6     | 24   | 9     | 4     | 3     | 66,900         |             |
| 1925          | 1    | 0     | 385   | 1,203    | 126      | 233     | 53      | 0     | 0    | 15    | 5     | 3     | 121,600        |             |
| 1926          | 0    | 0     | 5     | 40       | 86       | 63      | 224     | 30    | 8    | 4     | 2     | 0     | 28,200         |             |
| 1927          | 0    | 2     | 41    | 1,381    | 431      | 389     | 294     | 4     | 6    | 4     | 1     | 0     | 153,400        |             |
| 1928          | 3    | 2     | 728   | 1,157    | 338      | 286     | 518     | 155   | 29   | 22    | 12    | 5     | 197,200        |             |
| 1929          | 2    | 1     | 37    | 85       | 70       | 156     | 13      | 0     | 0    | 0     | 0     | 0     | 21,900         |             |
| 1930          | 0    | 0     | 250   | 460      | 90       | 31.7    | 13.6    | 2.7   | 0    | 1.5   | 1     | 0.5   | 51,300         |             |
| 1931          | 0    | 0     | 0.2   | 12.5     | 2.7      | 1.1     | 0.1     | 0     | 0    | 0     | 0     | 0     | 1,400          |             |
| 1932          | 0    | 0     | 2.5   | 51.0     | 16.1     | 16.1    | 9.7     | 1.2   | 0    | 0     | 0     | 0     | 5,800          |             |
| 1933          | 0    | 5     | 247   | 224      | 76       | 341     | 20      | 5.4   | 0.8  | 1.5   | 1.5   | 0.5   | 55,600         |             |
| 1934          | 0.5  | 29    | 125   | 89       | 14.9     | 3.6     | 1.4     | 0     | 0    | 0     | 0     | 0     | 20,100         |             |
| 1935          | 0    | 0     | 2.6   | 48.6     | 44.4     | 14.3    | 32.1    | 2.7   | 0.3  | 0.1   | 0.2   | 0     | 8,800          |             |
| 1936          | 0    | 0     | 0     | 620      | 176      | 22.6    | 1.7     | 0     | 0    | 0     | 0     | 0     | 48,100         |             |
| 1937          | 0    | 0     | 0     | 14.7     | 3.6      | 0.6     | 0       | 0     | 0    | 0     | 0     | 0     | 1,100          |             |
| 1938          | 0    | 0     | 408   | 129      | 39.4     | 8       | 2.1     | 0.3   | 0    | 0     | 0     | 0     | 25,800         |             |
| 1939          | 0    | 0     | 542   | 560      | 35.5     | 9.7     | 11.8    | 1.9   | 0    | 0     | 0.3   | 0.1   | 70,300         |             |
| 1940          | 0    | 0     | 0     | 15.2     | 12.3     | 3       | 0.1     | 0.4   | 0    | 0     | 0     | 0     | 1,900          |             |
| 1941          | 0    | 0     | 0.2   | 432      | 100      | 43.5    | 11.7    | 3.9   | 1.3  | 1.3   | 3.9   | 3.0   | 36,000         |             |
| 1942          | 0.2  | 0.1   | 106   | 683      | 143      | 54      | 32.2    | 20.4  | 9.9  | 6.5   | 6.1   | 2.8   | 63,900         |             |
| 1943          | 2.8  | 1.2   | 50    | 2,760    | 337      | 172     | 86      | 25.9  | 16.8 | 6.1   | 6.9   | 6.1   | 207,500        |             |
| 1944          | 3.9  | 3.6   | 2.6   | 65       | 32.3     | 159     | 363     | 65    | 34.3 | 14.3  | 11.2  | 4.2   | 46,100         |             |
| 1945          | 1.6  | 1.4   | 28.2  | 32.1     | 15.5     | 17.3    | 29.2    | 10.1  | 2.2  | 2.8   | 4.0   | 0.8   | 3,900          |             |
| 1946          | 0    | 0     | 544   | 287      | 34.7     | 23.3    | 14.2    | 6     | 1.7  | 3.1   | 2     | 1.1   | 56,400         |             |
| 1947          | 0.7  | 0.5   | 55    | 1,600    | 365      | 218     | 142     | 29.6  | 23.8 | 13.2  | 9.6   | 10.6  | 148,100        |             |
| 1948          | 8.0  | 6.0   | 5.2   | 1,370    | 2,370    | 168     | 93      | 48.4  | 12.5 | 9.5   | 15.3  | 7.4   | 249,800        |             |
| 1949          | 2.5  | 2.4   | 4.7   | 822      | 77       | 54      | 18.3    | 11.5  | 3.7  | 6.4   | 9.9   | 4.3   | 60,700         |             |
| 1950          | 3    | 2.7   | 56    | 890      | 319      | 134     | 61      | 39.2  | 13.2 | 9     | 8.8   | 5.5   | 72,700         |             |
| 1951          | 6.1  | 5.2   | 6.5   | 1,200    | 1,450    | 153     | 38.8    | 21.1  | 14.3 | 21.0  | 18.5  | 8.5   | 178,200        |             |
| 1952          | 2.7  | 3.5   | 37.2  | 715      | 98       | 26.8    | 24.2    | 6.4   | 6.4  | 5.2   | 6.4   | 2.8   | 56,000         |             |
| 1953          | 3    | 2.9   | 86    | 341      | 144      | 954     | 1,050   | 179   | 36.7 | 12.7  | 17.9  | 13.2  | 172,000        |             |
| 1954          | 8.6  | 26    | 107   | 150      | 126      | 399     | 158     | 31.1  | 42.5 | 57    | 65    | 26.7  | 72,100         |             |
| 1955          | 8.6  | 6.8   | 6.4   | 2,130    | 1,210    | 399     | 157     | 50    | 25.4 | 32.7  | 21    | 7.7   | 244,200        |             |
| 1956          | 3.1  | 2.5   | 139   | 1,736    | 570      | 158     | 238     | 64.9  | 16.2 | 4.5   | 10.6  | 4.7   | 177,400        |             |
| TOTAL         | 69.3 | 118.9 | 4,959 | 31,982.1 | 12,730.4 | 5,204.6 | 5,115.4 | 991.1 | 392  | 396.4 | 326.1 | 154.5 | 3,822,947      |             |
| AVER-<br>AGE: | 1.5  | 2.6   | 107.8 | 695.3    | 276.7    | 134.9   | 111.2   | 21.5  | 8.5  | 8.6   | 7.1   | 3.3   | 83,108         |             |







Drainage area: 17,600 sq.mi.

**COMPLETED**  
HYDROMETRIC SUMMARY

#628

SOURIS RIVER at WESTHOPE N.D. U.S.A.  
(River, canal, lake)

sec. 30-164N-79W  
(Location)

26

5NF01

(Recorded or Natural) (Station Index No.) (Monthly Units (cfsm, gmsl.))

| Year    | Jan. | Feb. | Mar.  | Apr.   | May    | Jun.   | Jul.   | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  | TOTAL<br>Ac.Ft. | cfsm<br>Year |
|---------|------|------|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-----------------|--------------|
| 1911    | 22   | 22   | 39    | 403    | 197    | 625    | 2697   | 299   | 182   | 270   | 120   | 73    | 306,180         |              |
| 1912    | 51   | 37   | 39    | 1055   | 911    | 1064   | 467    | 474   | 120   | 230   | 394   | 117   | 298,100         |              |
| 1913    | 7    | 25   | 58    | 846    | 720    | 121    | 35     | 31    | 52    | 27    | 18    | 11    | 119,000         |              |
| 1914    | 4    | 0    | 17    | 547    | 495    | 174    | 119    | 71    | 40    | 20    | 15    | 4     | 97,200          |              |
| 1915    | 4    | 0    | 1     | 69     | 49     | 36     | 29     | 3     | 22    | 25    | 5     | 1     | 14,900          |              |
| 1916    | 1    | 0    | 1     | 1443   | 1217   | 1205   | 354    | 152   | 60    | 52    | 44    | 15    | 317,700         |              |
| 1917    | 0    | 0    | 11    | 614    | 735    | 377    | 97     | 28    | 10    | 9     | 17    | 2     | 116,700         |              |
| 1918    | 0    | 0    | 53    | 375    | 152    | 77     | 20     | 15    | 9     | 27    | 24    | 17    | 45,700          |              |
| 1919    | 4    | 0    | 7     | 962    | 857    | 135    | 47     | 18    | 10    | 4     | 1     | 1     | 123,600         |              |
| 1920    | 0    | 0    | 0     | 590    | 1349   | 722    | 137    | 52    | 33    | 29    | 25    | 0     | 176,600         |              |
| 1921    | 0    | 0    | 3     | 257    | 147    | 90     | 74     | 131   | 55    | 36    | 19    | 50    | 52,300          |              |
| 1922    | 35   | 4    | 3     | 952    | 795    | 338    | 95     | 57    | 29    | 25    | 29    | 44    | 146,100         |              |
| 1923    | 47   | 44   | 4     | 1267   | 1480   | 1035   | 430    | 335   | 101   | 65    | 51    | 114   | 300,600         |              |
| 1924    | 22   | 20   | 2     | 155    | 361    | 149    | 205    | 53    | 24    | 35    | 29    | 41    | 66,700          |              |
| 1925    | 15   | 18   | 4     | 1269   | 1028   | 736    | 214    | 60    | 33    | 36    | 26    | 57    | 210,700         |              |
| 1926    | 29   | 36   | 0     | 128    | 81     | 57     | 72     | 36    | 31    | 32    | 36    | 40    | 34,900          |              |
| 1927    | 51   | 44   | 1     | 889    | 1480   | 2041   | 1356   | 440   | 268   | 211   | 182   | 69    | 425,400         |              |
| 1928    | 62   | 44   | 52    | 991    | 1086   | 528    | 831    | 727   | 354   | 151   | 80    | 42    | 306,600         |              |
| 1929    | 29   | 29   | 1     | 232    | 174    | 215    | 75     | 13.4  | 6.5   | 8.3   | 9     | 28    | 49,300          |              |
| 1930    | 29   | 15   | 331   | 922    | 388    | 101    | 41     | 5.4   | 8.7   | 11.1  | 15    | 5     | 112,200         |              |
| 1931    | 0    | 1    | 1     | 56     | 22.4   | 4.8    | 2.5    | 0     | 0     | 5.3   | 8     | 2     | 6,200           |              |
| 1932    | 1    | 1    | 5     | 73.8   | 65     | 26.5   | 12.6   | 2.1   | 0     | 0     | 8     | 2     | 11,800          |              |
| 1933    | 1    | 1    | 140   | 875    | 219    | 183    | 209    | 55    | 10.3  | 6.2   | 14    | 3     | 103,400         |              |
| 1934    | 1    | 1    | 71    | 294    | 56     | 4.6    | 0.8    | 0     | 0     | 0     | 0     | 0     | 25,800          |              |
| 1935    | 0    | 0    | 7     | 56     | 75     | 17.9   | 163    | 69    | 7.9   | 0.3   | 0     | 0     | 24,200          |              |
| 1936    | 0    | 0    | 0     | 32.1   | 0      | 7.7    | 3.7    | 0     | 0     | 0     | 0     | 0     | 2,600           |              |
| 1937    | 0    | 0    | 0     | 1.9    | 0      | 0      | 0      | 0     | 0     | 0     | 0     | 0     | 113             |              |
| 1938    | 0    | 0    | 0.2   | 0      | 0      | 7.5    | 0      | 7.8   | 0.3   | 0     | 0     | 0     | 1,000           |              |
| 1939    | 0    | 0    | 0     | 0.2    | 0      | 8.5    | 0      | 4.6   | 1.2   | 10.2  | 0     | 0     | 1,500           |              |
| 1940    | 0    | 0    | 0     | 0.2    | 1      | 0.7    | 2.4    | 2.6   | 2.4   | 3     | 0     | 0     | 750             |              |
| 1941    | 0    | 0    | 0     | 0      | 0.1    | 6.4    | 7.3    | 11.6  | 16.5  | 8.6   | 0.7   | 0     | 3,100           |              |
| 1942    | 0    | 0    | 0.6   | 408    | 252    | 25.7   | 18.4   | 28    | 23.3  | 25.1  | 1     | 0     | 47,200          |              |
| 1943    | 0    | 0    | 0.2   | 616    | 210    | 1170   | 827    | 120   | 85    | 49.4  | 12    | 0.1   | 303,100         |              |
| 1944    | 0    | 5.9  | 22.9  | 186    | 266    | 294    | 1290   | 123.9 | 343   | 94    | 67    | 141   | 172,400         |              |
| 1945    | 117  | 72   | 157   | 754    | 168    | 26.2   | 19.1   | 89    | 18.2  | 18.8  | 0.7   | 0     | 86,500          |              |
| 1946    | 0    | 0    | 2     | 321    | 24.5   | 19.2   | 15.7   | 20.7  | 64    | 12.1  | 0.5   | 0     | 28,700          |              |
| 1947    | 0.3  | 1    | 1     | 1040   | 676    | 195    | 383    | 286   | 73    | 10.7  | 10.1  | 0.8   | 162,000         |              |
| 1948    | 0.6  | 0.2  | 0.5   | 890    | 2190   | 1700   | 340    | 247   | 42.8  | 19.9  | 47    | 67    | 355,300         |              |
| 1949    | 52.3 | 13.5 | 7.5   | 3220   | 1460   | 612    | 39.4   | 39.5  | 32.4  | 11.8  | 1     | 1.3   | 328,600         |              |
| 1950    | 2.5  | 3    | 6.1   | 733    | 2070   | 1510   | 372    | 149   | 62    | 27.9  | 13.3  | 47.4  | 290,700         |              |
| 1951    | 121  | 173  | 97    | 1840   | 2490   | 1520   | 241    | 26.6  | 145   | 73    | 65    | 162   | 419,400         |              |
| 1952    | 39.4 | 27.8 | 119   | 784    | 540    | 9.8    | 94     | 76    | 13.7  | 3.4   | 24.6  | 42.5  | 107,300         |              |
| 1953    | 16.8 | 13.7 | 24.9  | 184    | 471    | 795    | 1210   | 1010  | 144   | 155   | 176   | 105   | 262,100         |              |
| 1954    | 140  | 135  | 152   | 347    | 238    | 789    | 1360   | 389   | 71    | 450   | 183   | 101   | 276,500         |              |
| 1955    | 67   | 69   | 72    | 2111   | 2029   | 1499   | 621    | 281   | 122   | 132   | 7.3   | 2.8   | 423,400         |              |
| 1956    | 12.6 | 15   | 52.6  | 1028   | 2384   | 1021   | 340    | 163   | 141   | 114   | 186   | 55    | 334,200         |              |
| TOTAL   | 966  | 868  | 1,607 | 29,888 | 52,232 | 21,240 | 15,170 | 6,208 | 2,847 | 2,540 | 1,967 | 1,466 | 7,076,200       |              |
| Average | 21   | 19   | 35    | 650    | 701    | 462    | 330    | 135   | 62    | 55    | 43    | 32    | 153,830         |              |

888 - Recorded

888 - Estimated







Drainage Area: 24,150

HYDROLETRIC SUMMARY

COMPLETED

SOURIS RIVER at Wawanesa

Sec. 26-7-17-41

(River, canal, lake)

5NG<sub>1</sub>

(Location)

26

(Recorded or Natural)

Station Index No.

Monthly Units (c.f.s.m., g.m.s.l.)

| Year          | Jan. | Feb.  | Mar.  | Apr.   | May   | June   | July  | Aug.  | Sep. | Oct.  | Nov. | Dec.  | TOTAL<br>Ac.Ft | cfm<br>Year |
|---------------|------|-------|-------|--------|-------|--------|-------|-------|------|-------|------|-------|----------------|-------------|
| 1911          | 30   | 30    | 54    | 580    | 270   | 960    | 3,700 | 410   | 250  | 370   | 165  | 100   | 420,000        |             |
| 1912          | 70   | 45    | 54    | 1,420  | 1,250 | 1,460  | 640   | 650   | 165  | 315   | 540  | 160   | 408,900        |             |
| 1913          | 10   | 35    | 134   | 1,161  | 988   | 164    | 48    | 42    | 44   | 37    | 25   | 15    | 163,300        |             |
| 1914          | 5    | 0     | 24    | 887    | 683   | 239    | 163   | 98    | 55   | 28    | 20   | 5     | 173,300        |             |
| 1915          | 6    | 0     | 2     | 95     | 67    | 50     | 40    | 4     | 30   | 34    | 8    | 2     | 20,400         |             |
| 1916          | 1    | 0     | 2     | 1,980  | 2,630 | 1,650  | 485   | 217   | 84   | 80    | 60   | 20    | 435,300        |             |
| 1917          | 0    | 0     | 15    | 842    | 1,050 | 517    | 133   | 38    | 14   | 13    | 24   | 3     | 160,100        |             |
| 1918          | 0    | 0     | 73    | 459    | 208   | 106    | 27    | 21    | 12   | 37    | 33   | 18    | 58,200         |             |
| 1919          | 6    | 0     | 10    | 1,320  | 1,170 | 189    | 64    | 25    | 14   | 5     | 2    | 1     | 109,500        |             |
| 1920          | 0    | 0     | 0     | 810    | 1,820 | 990    | 188   | 71    | 45   | 40    | 35   | 0     | 242,200        |             |
| 1921          | 0    | 0     | 4     | 353    | 193   | 124    | 102   | 189   | 75   | 49    | 26   | 68    | 71,000         |             |
| 1922          | 50   | 5     | 4     | 1,320  | 1,090 | 464    | 135   | 78    | 40   | 34    | 40   | 60    | 200,400        |             |
| 1923          | 65   | 60    | 5     | 1,738  | 2,030 | 1,420  | 591   | 460   | 138  | 89    | 70   | 156   | 412,400        |             |
| 1924          | 30   | 28    | 3     | 214    | 495   | 205    | 281   | 73    | 33   | 48    | 40   | 56    | 91,500         |             |
| 1925          | 20   | 25    | 5     | 1,741  | 1,410 | 1,010  | 293   | 82    | 45   | 50    | 35   | 78    | 289,000        |             |
| 1926          | 40   | 50    | 0     | 175    | 110   | 72     | 99    | 49.9  | 42.8 | 44.5  | 50   | 55    | 47,900         |             |
| 1927          | 70   | 61    | 2     | 1,219  | 2,330 | 1,300  | 860   | 603   | 367  | 290   | 250  | 95    | 583,600        |             |
| 1928          | 85   | 61    | 71    | 1,360  | 1,490 | 860    | 110   | 292   | 186  | 207   | 110  | 66    | 420,600        |             |
| 1929          | 40   | 40    | 1     | 318    | 208   | 295    | 13    | 14.4  | 25.0 | 23.5  | 12   | 38    | 70,000         |             |
| 1930          | 40   | 20    | 1     | 1,128  | 595   | 195    | 81    | 14.5  | 2.4  | 7.7   | 8    | 28    | 127,600        |             |
| 1931          | 35   | 175   | 0     | 43     | 11.9  | 5.1    | 3.1   | 0     | 0    | 0     | 0    | 0     | 15,700         |             |
| 1932          | 0    | 0     | 0     | 109    | 20    | 41.4   | 24.7  | 2.2   | 0.2  | 3.7   | 2    | 17    | 17,600         |             |
| 1933          | 6    | 7     | 111   | 1,050  | 367   | 91     | 151   | 52    | 27.0 | 3.5   | 1    | 23    | 114,000        |             |
| 1934          | 20   | 20    | 13.5  | 520    | 89    | 17.6   | 1.5   | 0     | 0    | 0     | 0    | 0     | 40,700         |             |
| 1935          | 0    | 0     | 0     | 130    | 94    | 73     | 727   | 168.  | 33   | 8.4   | 2    | 0.5   | 75,500         |             |
| 1936          | 0    | 0     | 0     | 709    | 90    | 25.1   | 1.7   | 0     | 0    | 0     | 0    | 0     | 49,300         |             |
| 1937          | 0    | 0     | 0     | 21     | 10.1  | 14.9   | 2.0   | 4.3   | 0    | 0     | 0    | 0     | 3,200          |             |
| 1938          | 0    | 0     | 199   | 37.9   | 12.2  | 3.8    | 0.2   | 0.1   | 0    | 0     | 0    | 0     | 15,500         |             |
| 1939          | 0    | 0     | 124   | 304.   | 10.4  | 7.7    | 1.    | 0     | 0    | 0     | 0    | 0     | 26,900         |             |
| 1940          | 0    | 0     | 0     | 56     | 13.3  | 2.1    | 0.6   | 1.2   | 0.7  | 0     | 0    | 0     | 4,400          |             |
| 1941          | 0    | 0     | 2     | 187    | 24.6  | 12.5   | 3.2   | 1.6   | 14.7 | 23.8  | 11   | 27    | 19,100         |             |
| 1942          | 0    | 15    | 2     | 1,232  | 499.  | 122.   | 35.3  | 20.5  | 31.6 | 25    | 68   | 25    | 124,500        |             |
| 1943          | 20   | 30    | 21    | 1,420  | 1,830 | 1,530  | 788.  | 292   | 56   | 68    | 30   | 18    | 369,600        |             |
| 1944          | 10   | 17    | 0     | 182    | 319   | 329    | 1,260 | 301   | 316  | 169   | 40   | 55    | 182,600        |             |
| 1945          | 52   | 50    | 185   | 852    | 347   | 69     | 74    | 89    | 20   | 17.7  | 10   | 35    | 108,500        |             |
| 1946          | 23   | 22    | 242   | 870    | 88    | 32.2   | 27.1  | 9.2   | 35.7 | 57.0  | 10   | 53    | 88,300         |             |
| 1947          | 18   | 17    | 3     | 1,160  | 1,030 | 130    | 792   | 375   | 177  | 54    | 30   | 47    | 268,300        |             |
| 1948          | 45   | 24    | 0     | 733    | 3,430 | 2,110  | 957   | 607   | 167  | 115   | 90   | 72    | 507,000        |             |
| 1949          | 75   | 55    | 2     | 4,100  | 3,320 | 1,070  | 291   | 142   | 83   | 65    | 45   | 38    | 560,100        |             |
| 1950          | 25   | 20    | 188   | 1,240  | 2,730 | 2,510  | 931   | 692   | 353  | 234   | 140  | 58    | 552,300        |             |
| 1951          | 132  | 115   | 20    | 2,580  | 3,690 | 2,140  | 630   | 113   | 169  | 150   | 47   | 123   | 600,500        |             |
| 1952          | 36   | 45    | 190   | 1,000  | 789   | 149    | 91    | 68    | 38.6 | 4.9   | 6    | 43    | 148,700        |             |
| 1953          | 25   | 25    | 68    | 383    | 566   | 836    | 1,070 | 1,070 | 224  | 110   | 238  | 60    | 284,000        |             |
| 1954          | 135  | 125   | 175   | 379    | 350   | 1,020  | 1,720 | 787   | 290  | 592   | 396  | 235   | 376,600        |             |
| 1955          | 185  | 158   | 116   | 3,440  | 3,700 | 2,770  | 1,560 | 573   | 327  | 323   | 153  | 55    | 807,300        |             |
| 1956          | 21.0 | 22.7  | 18.3  | 2,650  | 2,960 | 2,360  | 766   | 355   | 263  | 229   | 265  | 102   | 604,600        |             |
| TOTAL         | 1130 |       | 2,116 | 46,290 |       | 22,080 |       | 4,607 |      | 3,137 |      | 2,101 | 10,493,000     |             |
|               |      | 1,433 |       | 44,817 |       | 31,533 |       | 9,868 |      | 4,057 |      |       |                |             |
| AVER-<br>AGE: | 31   | 31    | 47    | 975    | 1,000 | 685    | 480   | 215   | 100  | 88    | 68   | 46    | 228,000        |             |







ARM RIVER near Bethune, Sask.

(River, canal, lake)

5JH<sub>1</sub>

(Location)

29

(Recorded or Natural)

Station Index No.

Monthly Units (c.f.s.m., g.m.s.l.)

| Year          | Monthly Units (c.f.s.m., g.m.s.l.) |      |       |        |       |       |      |      |      |      |      |      | TOTAL<br>Ac.Ft | cfs/m<br>Year |         |
|---------------|------------------------------------|------|-------|--------|-------|-------|------|------|------|------|------|------|----------------|---------------|---------|
|               | Jan.                               | Feb. | Mar.  | Apr.   | May   | June  | July | Aug. | Sep. | Oct. | Nov. | Dec. |                |               |         |
| 1911          |                                    |      |       |        |       |       |      |      |      |      |      |      |                |               |         |
| 1912          |                                    |      |       |        |       |       |      |      |      |      |      |      |                |               |         |
| 1913          |                                    |      |       |        |       |       |      |      |      |      |      |      |                |               |         |
| 1914          |                                    |      |       |        |       |       |      |      |      |      |      |      |                |               |         |
| 1915          |                                    |      |       |        |       |       |      |      |      |      |      |      |                |               |         |
| 1916          |                                    |      |       |        |       |       |      |      |      |      |      |      |                |               |         |
| 1917          |                                    |      |       |        |       |       |      |      |      |      |      |      |                |               |         |
| 1918          |                                    |      |       |        |       |       |      |      |      |      |      |      |                |               |         |
| 1919          |                                    |      |       |        |       |       |      |      |      |      |      |      |                |               |         |
| 1920          |                                    |      |       |        |       |       |      |      |      |      |      |      |                |               |         |
| 1921          | 0                                  | 0    | 0     | 0      | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0              | 0             | 0       |
| 1922          | 1                                  | 0.5  | 8     | 35.4   | 56.   | 6.    | 4.4  | 1.5  | 1.2  | 1.   | 0.5  | 0.3  | 0              | 0             | 25,990  |
| 1923          | 0                                  | 0    | 0.9   | 102.   | 21.5  | 5.    | 3.   | 2.   | 1.   | 0.5  | 0    | 0    | 0              | 0             | 8,140   |
| 1924          | 0                                  | 0.3  | 2.1   | 47.    | 3.2   | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0              | 0             | 3,140   |
| 1925          | 0                                  | 1.8  | 7.3   | 136.   | 4.1   | 0.8   | 0    | 0    | 0    | 0    | 0    | 0    | 0              | 0             | 8,940   |
| 1926          | 0                                  | 0    | 0     | 0      | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0              | 0             | 0       |
| 1927          | 0                                  | 5.5  | 19.8  | 200.   | 29.   | 8.8   | 0    | 0    | .8   | .8   | 0    | 0    | 0              | 0             | 15,830  |
| 1928          | 0                                  | 0    | 0     | 20.    | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0              | 0             | 1,190   |
| 1929          | 0                                  | 0    | 0     | 0      | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0              | 0             | 0       |
| 1930          | 0                                  | 0    | 0     | 16.    | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0              | 0             | 950     |
| 1931          | 0                                  | 2.7  | 17.3  | 0      | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0              | 0             | 1,210   |
| 1932          | 0                                  | 0    | 0     | 18.    | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0              | 0             | 1,070   |
| 1933          | 0                                  | 0    | 1.6   | 3.3    | 1.6   | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0              | 0             | 390     |
| 1934          | 0                                  | 0    | 0     | 0      | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0              | 0             | 0       |
| 1935          | 0                                  | 0    | 0     | 3.6    | 2.9   | 2.9   | 0    | 0    | 0    | 0    | 0    | 0    | 0              | 0             | 560     |
| 1936          | 0                                  | 0    | 1.8   | 144.   | 35.4  | 3.7   | 1.0  | 0.5  | 0.5  | 0    | 0    | 0    | 0              | 0             | 11,200  |
| 1937          | 0                                  | 3.0  | 12.0  | 0      | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0              | 0             | 910     |
| 1938          | 0                                  | 0    | 0     | 7.     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0              | 0             | 420     |
| 1939          | 0                                  | 0    | 0     | 3.5    | 0     | 0     | 1.5  | 0    | 0    | 0    | 0    | 0    | 0              | 0             | 300     |
| 1940          | 0                                  | 0    | 0     | 0      | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0              | 0             | 0       |
| 1941          | 0                                  | 0    | 0     | 27.    | 8.    | 1.    | 0    | 0    | 0    | 0    | 0    | 0    | 0              | 0             | 2,140   |
| 1942          | 0                                  | 0    | 0     | 39.    | 3.8   | .2    | 0    | 0    | 0    | 0    | 0    | 0    | 0              | 0             | 2,570   |
| 1943          | 0                                  | 0    | .9    | 80.    | 7.8   | 4.8   | 2.9  | 1.9  | .9   | 0    | 0    | 0    | 0              | 0             | 5,930   |
| 1944          | 0                                  | 0    | .1    | 2.9    | 2.1   | 2.1   | 2.9  | 0    | 0    | 0    | 0    | 0    | 0              | 0             | 610     |
| 1945          | 0                                  | 0    | 0     | .1     | .1    | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0              | 0             | 10      |
| 1946          | 0                                  | 0    | 92.   | 2.7    | 1.3   | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0              | 0             | 5,900   |
| 1947          | 0                                  | 0    | 0     | 68.    | 4.8   | .4    | .4   | 0    | 0    | 0    | 0    | 0    | 0              | 0             | 4,390   |
| 1948          | 0                                  | 0    | 0     | 166.   | 22.   | 2.4   | .7   | .2   | 0    | 0    | 0    | 0    | 0              | 0             | 11,430  |
| 1949          | 0                                  | 0    | .2    | 2.1    | 0     | 0     | 0    | 4.5  | 0    | 0    | 0    | 0    | 0              | 0             | 410     |
| 1950          | 0                                  | 0    | 3.9   | 256.   | 27.   | 5.4   | .2   | 0    | 0    | 0    | 0    | 0    | 0              | 0             | 17,470  |
| 1951          | 0                                  | 0    | 0     | 104.   | 79.   | 17.2  | 11.1 | 4.2  | 9.2  | 5.3  | 0    | 0    | 0              | 0             | 13,880  |
| 1952          | 0                                  | 0    | 1.3   | 232.   | 35.   | 14.7  | 4.1  | 2.3  | .5   | .1   | .1   | 0    | 0              | 0             | 17,340  |
| 1953          | 0.5                                | 0.5  | 38.   | 68.3   | 1.7   | 3.1   | 1.5  | 1.0  | 0.5  | 0.5  | 0    | 0    | 0              | 0             | 6,900   |
| 1954          | 0                                  | 0    | 1.5   | 33.9   | 16.4  | 47.2  | 10.  | 5.   | 3.   | 2.   | 1.   | 0.5  | 0              | 0             | 7,240   |
| 1955          | 0                                  | 0    | 14.5  | 240.   | 75.4  | 5.8   | 5.4  | 0.5  | 0    | 0    | 0    | 0    | 0              | 0             | 20,520  |
| 1956          | 0                                  | 0    | 0     | 245.   | 28.7  | 16.4  | 8.6  | 2.7  | 0.8  | 0.5  | 0.5  | 0    | 0              | 0             | 18,120  |
| TOTAL         | 1.5                                | 14.3 | 223.2 | 2,621. | 466.8 | 147.9 | 57.7 | 26.3 | 18.4 | 10.7 | 2.1  | 0.8  | 0              | 0             | 215,100 |
| AVER-<br>AGE: | 0                                  | 0.4  | 6.2   | 72.8   | 12.9  | 4.1   | 1.6  | 0.7  | 0.5  | 0.3  | 0.1  | 0    | 0              | 0             | 5,975   |







CUTARM RIVER - Spy Hill  
(River, canal, lake)

Sec. 11 T.18 R.31 W.1  
(Location)

5JMA

c.f.s.m.

(Recorded or Natural) Station Index No. Monthly Units (c.f.s.m., g.m.s.l.)

| Year          | Monthly Units (c.f.s.m., g.m.s.l.) |      |       |         |         |         |       |       |       |       |       |       | TOTAL<br>Ac.Ft | cfsm<br>Year |
|---------------|------------------------------------|------|-------|---------|---------|---------|-------|-------|-------|-------|-------|-------|----------------|--------------|
|               | Jan.                               | Feb. | Mar.  | Apr.    | May     | June    | July  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |                |              |
| 1911          | 1.0                                | 1.0  | 10.0  | 27.0    | 30.0    | 27.0    | 22.0  | 9.0   | 15.0  | 17.0  | 2.0   | 7.0   | 10,180         |              |
| 1912          | 3.0                                | 2.0  | 7.0   | 78.0    | 67.0    | 41.0    | 18.0  | 22.0  | 40.0  | 43.0  | 20.0  | 19.0  | 21,770         |              |
| 1913          | 5.0                                | 4.0  | 6.0   | 0       | 163.0   | 35.0    | 8.0   | 20.0  | 18.0  | 13.0  | 0     | 1.0   | 16,780         |              |
| 1914          | 2.0                                | 1.0  | 39.0  | 0       | 43.0    | 36.0    | 12.0  | 1.0   | 1.0   | 1.0   | 2.0   | 2.0   | 8,520          |              |
| 1915          | 4.0                                | 0    | 2.0   | 32.0    | 20.0    | 16.0    | 4.0   | 2.0   | 2.0   | 0     | 0     | 0     | 4,940          |              |
| 1916          | 1.0                                | 0    | 2.0   | 142.0   | 35.0    | 20.0    | 28.0  | 3.0   | 2.0   | 3.0   | 3.0   | 1.0   | 14,430         |              |
| 1917          | 3.0                                | 3.0  | 5.0   | 66.0    | 51.0    | 33.0    | 14.0  | 4.0   | 1.0   | 1.0   | 2.0   | 2.0   | 11,150         |              |
| 1918          | 1.0                                | 1.0  | 0     | 55.0    | 17.0    | 14.0    | 4.0   | 0     | 1.0   | 1.0   | 1.0   | 0     | 5,690          |              |
| 1919          | 1.0                                | 0    | 0     | 97.0    | 7.0     | 2.0     | 0     | 0     | 0     | 0     | 0     | 0     | 6,380          |              |
| 1920          | 1.0                                | 0    | 1.0   | 89.0    | 41.0    | 26.0    | 8.0   | 3.0   | 2.0   | 2.0   | 1.0   | 1.0   | 10,530         |              |
| 1921          | 1.0                                | 1.0  | 10.0  | 89.0    | 28.0    | 14.0    | 5.0   | 3.0   | 1.0   | 5.0   | 5.0   | 2.0   | 9,980          |              |
| 1922          | 2.0                                | 1.0  | 12.0  | 112.0   | 126.0   | 87.0    | 43.0  | 23.0  | 18.0  | 14.0  | 12.0  | 10.0  | 27,820         |              |
| 1923          | 3.0                                | 2.0  | 15.0  | 146.0   | 97.0    | 52.0    | 62.0  | 53.0  | 25.0  | 16.0  | 6.0   | 3.0   | 29,050         |              |
| 1924          | 2.0                                | 1.0  | 8.0   | 71.0    | 60.0    | 42.0    | 16.0  | 9.0   | 4.0   | 6.0   | 3.0   | 2.0   | 13,530         |              |
| 1925          | 1.0                                | 1.0  | 68.0  | 154.0   | 70.0    | 34.0    | 11.0  | 5.0   | 5.0   | 4.0   | 3.0   | 2.0   | 21,620         |              |
| 1926          | 2.0                                | 2.0  | 5.0   | 57.0    | 28.0    | 19.0    | 6.0   | 1.0   | 2.0   | 3.0   | 3.0   | 2.0   | 7,820          |              |
| 1927          | 1.0                                | 1.0  | 0     | 72.0    | 87.0    | 52.0    | 24.0  | 8.0   | 22.0  | 14.0  | 17.0  | 7.0   | 19,040         |              |
| 1928          | 2.0                                | 2.0  | 1.0   | 160.0   | 48.0    | 44.0    | 31.0  | 9.0   | 3.0   | 4.0   | 4.0   | 2.0   | 17,440         |              |
| 1929          | 1.0                                | 1.0  | 11.0  | 59.0    | 19.0    | 15.0    | 0     | 1.0   | 0     | 1.0   | 1.0   | 1.0   | 6,610          |              |
| 1930          | 1.0                                | 1.0  | 1.0   | 103.0   | 27.0    | 14.0    | 4.0   | 2.0   | 1.0   | 1.0   | 0     | 0     | 9,290          |              |
| 1931          | 0                                  | 0    | 1.0   | 54.0    | 17.0    | 7.0     | 0     | 1.0   | 0     | 0     | 0     | 0     | 4,800          |              |
| 1932          | 5.0                                | 0    | 11.0  | 0       | 37.0    | 11.0    | 0     | 0     | 0     | 5.0   | 5.0   | 3.0   | 4,700          |              |
| 1933          | 1.0                                | 1.0  | 6.0   | 73.0    | 17.0    | 17.0    | 7.0   | 0     | 1.0   | 0     | 0     | 2.0   | 7,500          |              |
| 1934          | 1.0                                | 2.0  | 40.0  | 67.0    | 9.0     | 1.0     | 1.0   | 0     | 0     | 1.0   | 0     | 0     | 7,350          |              |
| 1935          | 2.0                                | 2.0  | 9.0   | 0       | 28.0    | 0       | 71.0  | 7.0   | 3.0   | 2.0   | 2.0   | 1.0   | 7,790          |              |
| 1936          | 2.0                                | 1.0  | 0     | 87.0    | 34.0    | 20.0    | 7.0   | 1.0   | 2.0   | 2.0   | 1.0   | 0     | 9,430          |              |
| 1937          | 2.0                                | 0    | 2.0   | 0       | 12.0    | 51.0    | 2.0   | 0     | 0     | 5.0   | 2.0   | 0     | 4,570          |              |
| 1938          | 1.0                                | 0    | 45.0  | 9.0     | 18.0    | 9.0     | 0     | 2.0   | 0     | 0     | 0     | 0     | 5,130          |              |
| 1939          | 1.0                                | 0    | 34.0  | 0       | 0       | 3.0     | 2.0   | 0     | 0     | 0     | 0     | 0     | 2,450          |              |
| 1940          | 3.0                                | 0    | 7.0   | 0       | 20.0    | 11.0    | 3.0   | 0     | 0     | 0     | 3.0   | 3.0   | 3,050          |              |
| 1941          | 2.0                                | 2.0  | 2.0   | 0       | 18.0    | 18.0    | 4.0   | 0     | 4.0   | 4.0   | 4.0   | 2.0   | 3,630          |              |
| 1942          | 0                                  | 1.0  | 48.0  | 130.0   | 10.1    | 9.6     | 4.5   | 16.8  | 6.8   | 5.8   | 3.0   | 2.0   | 14,340         |              |
| 1943          | 1.0                                | 0.5  | 1.5   | 109.0   | 13.3    | 19.5    | 3.4   | 4.8   | 4.4   | 4.5   | 3.0   | 2.0   | 9,990          |              |
| 1944          | 1.0                                | 0    | 0     | 35.3    | 13.0    | 22.5    | 6.1   | 4.7   | 6.5   | 4.1   | 2.5   | 1.5   | 5,840          |              |
| 1945          | 1.0                                | 0.5  | 33.0  | 22.6    | 16.1    | 13.7    | 10.3  | 1.8   | 5.6   | 5.9   | 2.5   | 2.0   | 6,980          |              |
| 1946          | 1.0                                | 0    | 38.0  | 33.7    | 8.9     | 4.0     | 15.2  | 2.4   | 4.6   | 10.0  | 5.0   | 3.0   | 7,640          |              |
| 1947          | 1.0                                | 0.5  | 0     | 122.0   | 29.5    | 57.0    | 11.3  | 3.1   | 3.9   | 4.3   | 3.0   | 1.5   | 14,210         |              |
| 1948          | 0.5                                | 0    | 0     | 136.    | 49.2    | 5.0     | 5.7   | 2.1   | 1.0   | 3.6   | 4.0   | 2.0   | 12,570         |              |
| 1949          | 1.5                                | 1.0  | 1.0   | 42.6    | 9.2     | 29.8    | 6.0   | 4.2   | 3.1   | 4.2   | 4.1   | 2.0   | 6,520          |              |
| 1950          | 1.0                                | 0.5  | 3.7   | 55.0    | 20.3    | 14.2    | 12.1  | 2.0   | 1.7   | 7.9   | 5.0   | 3.0   | 7,620          |              |
| 1951          | 2.0                                | 1.0  | 7.0   | 73.0    | 23.2    | 13.4    | 3.4   | 2.4   | 7.0   | 8.6   | 5.0   | 3.0   | 8,960          |              |
| 1952          | 2.0                                | 1.0  | 4.5   | 78.0    | 9.9     | 9.5     | 4.7   | 2.3   | 9.2   | 3.6   | 3.5   | 2.0   | 7,800          |              |
| 1953          | 1.0                                | 0.5  | 14.0  | 116.0   | 22.6    | 54.0    | 26.8  | 52.0  | 19.7  | 22.1  | 13.0  | 8.0   | 21,100         |              |
| 1954          | 3.0                                | 1.0  | 10.9  | 143.0   | 59.0    | 177.0   | 125.0 | 15.5  | 28.9  | 33.1  | 20.5  | 18.0  | 37,810         |              |
| 1955          | 4.0                                | 2.0  | 6.3   | 245.0   | 183.0   | 42.2    | 18.1  | 5.5   | 10.8  | 14.1  | 8.0   | 5.0   | 32,830         |              |
| 1956          | 3.0                                | 1.0  | 10.0  | 264.0   | 167.0   | 30.0    | 13.6  | 28.2  | 24.1  | 16.5  | 10.0  | 6.0   | 34,600         |              |
| TOTAL         | 81.5                               |      | 540.0 |         | 1,908.3 |         | 683.2 |       | 312.3 |       | 194.1 |       | 561,800.       |              |
|               |                                    | 43.5 |       | 3,484.2 |         | 1,272.4 |       | 336.8 |       | 326.3 |       | 128.0 |                |              |
| AVER-<br>AGE: | 1.8                                | 0.9  | 11.7  | 75.7    | 41.5    | 27.7    | 14.9  | 7.3   | 6.8   | 7.1   | 4.2   | 2.8   | 12,213.        |              |

RECORDED ESTIMATED







INDIAN HEAD CREEK - Indian Head  
(River, canal, lake)

Sec 21 T.19 R.12 W.2  
(Location)

5JL2

| Year          | (Recorded or Natural) |                                    |        |       |       |      |       |      |      |      |      |      | TOTAL<br>Ac.Ft | cf/yr |
|---------------|-----------------------|------------------------------------|--------|-------|-------|------|-------|------|------|------|------|------|----------------|-------|
|               | Station Index No.     | Monthly Units (c.f.s.m., g.m.s.l.) |        |       |       |      |       |      |      |      |      |      |                |       |
|               | Jan.                  | Feb.                               | Mar.   | Apr.  | May   | June | July  | Aug. | Sep. | Oct. | Nov. | Dec. |                |       |
| 1911          | 1.0                   | 0                                  | 1.6    | 3.5   | 0     | 0    | 0.1   | 3.7  | 5.2  | 5.0  | 0    | 0    | 1,950          |       |
| 1912          | 1.0                   | 1.0                                | 1.7    | 21.0  | 4.3   | 2.0  | 7.7   | 9.2  | 16.0 | 17.0 | 7.4  | 0    | 5,860          |       |
| 1913          | 1.3                   | 1.4                                | 2.2    | 0     | 32.0  | 0    | 4.5   | 4.5  | 1.0  | 0    | 0    | 0    | 4,160          |       |
| 1914          | 1.4                   | 0                                  | 12.0   | 0     | 0.1   | 0    | 4.0   | 0    | 0    | 0    | 0    | 0    | 1,350          |       |
| 1915          | 1.0                   | 0                                  | 0.1    | 2.0   | 0     | 0    | 0.7   | 0    | 0    | 0    | 0    | 0    | 240            |       |
| 1916          | 0                     | 0                                  | 0.1    | 15.0  | 0.4   | 0    | 3.0   | 0.5  | 0.5  | 0.3  | 0.7  | 0    | 3,410          |       |
| 1917          | 1.0                   | 1.0                                | 1.5    | 23.0  | 1.1   | 1.0  | 7.0   | 1.0  | 0    | 0    | 1.0  | 2.0  | 2,340          |       |
| 1918          | 0                     | 0                                  | 0      | 7.0   | 0     | 0    | 0.4   | 0    | 0    | 0    | 0    | 0    | 480            |       |
| 1919          | 0                     | 0                                  | 0      | 12.0  | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0    | 710            |       |
| 1920          | 0                     | 0                                  | 0.1    | 26.0  | 0.5   | 1.3  | 2.9   | 1.3  | 0.6  | 0.4  | 0.5  | 0.5  | 2,090          |       |
| 1921          | 0                     | 0                                  | 1.4    | 23.0  | 0.1   | 0    | 1.4   | 1.0  | 0.1  | 1.1  | 1.1  | 0    | 1,920          |       |
| 1922          | 1.0                   | 0                                  | 2.9    | 18.0  | 21.3  | 15.0 | 18.0  | 9.0  | 7.0  | 5.5  | 4.4  | 3.7  | 7,860          |       |
| 1923          | 1.0                   | 1.0                                | 1.2    | 24.0  | 14.0  | 1.3  | 22.0  | 17.0 | 8.2  | 1.1  | 2.1  | 1.7  | 8,280          |       |
| 1924          | 1.0                   | 0                                  | 1.4    | 24.0  | 4.0   | 3.0  | 8.0   | 3.7  | 1.7  | 2.4  | 2.1  | 1.0  | 3,140          |       |
| 1925          | 0                     | 0                                  | 22.0   | 28.0  | 3.7   | 1.4  | 2.8   | 1.3  | 1.4  | 1.1  | 1.2  | 0.4  | 5,780          |       |
| 1926          | 1.0                   | 1.0                                | 1.1    | 12.0  | 0     | 0    | 1.2   | 0    | 0.7  | 1.0  | 1.0  | 1.0  | 1,200          |       |
| 1927          | 0                     | 0                                  | 0      | 23.0  | 0.0   | 1.0  | 10.0  | 6.5  | 10.0 | 10.0 | 2.1  | 2.1  | 1,950          |       |
| 1928          | 0                     | 0                                  | 0.3    | 67.0  | 0.0   | 2.0  | 0.5   | 0    | 0    | 0    | 0    | 0    | 4,410          |       |
| 1929          | 0                     | 0                                  | 2.0    | 11.0  | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0    | 780            |       |
| 1930          | 0                     | 0                                  | 0.3    | 26.0  | 0.4   | 0    | 1.5   | 0    | 0    | 0    | 0    | 0    | 1,670          |       |
| 1931          | 0                     | 0                                  | 0.1    | 3.9   | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0    | 240            |       |
| 1932          | 0                     | 0                                  | 1.0    | 0     | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0    | 180            |       |
| 1933          | 0                     | 0                                  | 1.0    | 14.0  | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0    | 1,010          |       |
| 1934          | 0                     | 1.0                                | 6.4    | 7.1   | 0     | 0    | 0.3   | 0    | 0    | 0    | 0    | 0    | 1,020          |       |
| 1935          | 0                     | 0                                  | 2.0    | 1.0   | 0     | 0    | 15.0  | 1.0  | 0    | 0    | 0    | 0    | 1,170          |       |
| 1936          | 0                     | 0                                  | 0      | 27.0  | 0.5   | 0.2  | 0     | 0    | 0    | 0    | 0    | 0    | 1,670          |       |
| 1937          | 0                     | 0                                  | 1.0    | 0     | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0    | 180            |       |
| 1938          | 0                     | 0                                  | 1.0    | 1.0   | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0    | 240            |       |
| 1939          | 0                     | 0                                  | 3.0    | 0     | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0    | 60             |       |
| 1940          | 0                     | 0                                  | 1.0    | 0     | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0    | 60             |       |
| 1941          | 0                     | 0                                  | 12.3   | 4.3   | 0     | 0    | 0.6   | 0    | 0    | 0    | 0    | 0    | 1,050          |       |
| 1942          | 0                     | 0                                  | 10.1   | 16.2  | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0    | 1,585          |       |
| 1943          | 0                     | 0                                  | 14.7   | 49.3  | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0    | 3,810          |       |
| 1944          | 0                     | 0                                  | 0      | 0.4   | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0    | 20             |       |
| 1945          | 0                     | 0                                  | 0      | 0     | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0    | 0              |       |
| 1946          | 0                     | 0                                  | 13.9   | 0.1   | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0    | 860            |       |
| 1947          | 0                     | 0                                  | 0      | 90.0  | 1.2   | 28.0 | 0.5   | 0    | 0    | 0    | 0    | 0    | 7,130          |       |
| 1948          | 0                     | 0                                  | 0      | 47.7  | 3.1   | 0    | 0     | 0    | 0    | 0    | 0    | 0    | 3,030          |       |
| 1949          | 0                     | 0                                  | 2.6    | 16.8  | 0.7   | 0.1  | 0     | 0    | 0    | 0    | 0    | 0    | 1,210          |       |
| 1950          | 0                     | 0                                  | 0.3    | 32.0  | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0    | 1,920          |       |
| 1951          | 0                     | 0                                  | 0      | 27.5  | 0.4   | 0    | 0     | 0    | 0    | 0    | 0    | 0    | 1,660          |       |
| 1952          | 0                     | 0                                  | 9.3    | 14.3  | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0    | 1,420          |       |
| 1953          | 0                     | 0                                  | 30.2   | 20.2  | 0     | 12.0 | 0.6   | 0    | 0    | 0    | 0    | 0    | 3,820          |       |
| 1954          | 0                     | 0                                  | 0      | 25.2  | 0.3   | 20.3 | 43.8  | 0.3  | 3.5  | 1.3  | 0    | 0    | 5,770          |       |
| 1955          | 0                     | 0                                  | 7.0    | 68.6  | 50.2  | 0.8  | 22.0  | 0    | 0    | 0    | 0    | 0    | 9,000          |       |
| 1956          | 0                     | 0                                  | 0      | 172.0 | 28.6  | 2.2  | 0     | 0.2  | 0    | 0    | 0    | 0    | 12,140         |       |
| TOTAL         | 10.9                  | 6.5                                | 174.1  |       | 177.6 |      | 195.3 |      | 64.8 |      | 32.2 |      |                |       |
|               |                       |                                    | 1.2728 |       | 98.5  |      | 68.1  |      | 58.5 |      | 28.0 |      | 131,540        |       |
| AVER-<br>AGE: | 0.2                   | 0.1                                | 3.8    | 27.7  | 3.8   | 2.1  | 4.2   | 1.5  | 1.4  | 1.3  | 0.7  | 0.6  | 2,860.         |       |

RECORDED ESTIMATED







# COMPLETED

Drainage Area: 622 (formerly 678)

## HYDROMETRIC SUMMARY

Sec. 19-22-14-W2

Sec. 29-21-14-W2

Sec. 33-22-14-W2

# 29

JUMPING DEER CREEK at Lipton

(River, canal, lake)

5JK<sub>4</sub>

(Location)

(Recorded or Natural)

Station Index No.

Monthly Units (c.f.s.m., g.m.s.l.)

| Year          | Monthly Units (c.f.s.m., g.m.s.l.) |      |      |       |       |       |      |      |      |      |      |      | TOTAL<br>Ac.Ft | cfsm<br>Year |
|---------------|------------------------------------|------|------|-------|-------|-------|------|------|------|------|------|------|----------------|--------------|
|               | Jan.                               | Feb. | Mar. | Apr.  | May   | June  | July | Aug. | Sep. | Oct. | Nov. | Dec. |                |              |
| 1911          | 0                                  | 0    | 2    | 6     | 9     | 3.7   | 3.8  | 0.7  | 1.1  | 1.3  | 0.1  | 0.3  | 1,700          |              |
| 1912          | .1                                 | .1   | 1.7  | 29.   | 36.   | 5.    | 3    | 1.8  | 3.5  | 3.6  | 1.2  | 1    | 5,210          |              |
| 1913          | .2                                 | .1   | 1.   | 0     | 53    | 2.2   | 0.8  | 1.1  | .9   | .7   | 0    | 0    | 3,680          |              |
| 1914          | .1                                 | 0    | 3.7  | 0     | 14    | 1.1   | .9   | 0    | 0    | 0    | .1   | .1   | 1,230          |              |
| 1915          | .2                                 | 0    | 0    | 1.2   | 2.3   | .1    | .2   | 0    | 0    | 0    | 0    | 0    | 240            |              |
| 1916          | 0                                  | 0    | 0    | 37.   | 9.    | 1.3   | 2.3  | 2.3  | .1   | .1   | .1   | .1   | 3,000          |              |
| 1917          | .2                                 | 0.1  | 1    | 14    | 14    | 2.7   | 1.7  | 0.2  | 0    | 0    | 0    | .1   | 2,060          |              |
| 1918          | 0                                  | 0    | 0    | 4.8   | 1.6   | .4    | .2   | 0    | 0    | 0    | 0    | 0    | 420            |              |
| 1919          | 0                                  | 0    | 0    | 9     | 0.9   | .1    | 0    | 0    | 0    | 0    | 0    | 0    | 600            |              |
| 1920          | 0                                  | 0    | 0    | 18    | 10    | 1.6   | .9   | .2   | .1   | .1   | .1   | 0    | 1,870          |              |
| 1921          | 0                                  | 0    | 1.9  | 18    | 5.8   | 1.    | 0.6  | 0.1  | .1   | .2   | .2   | .1   | 1,680          |              |
| 1922          | 0                                  | 0    | 3    | 35    | 56    | 10    | 6    | 1.6  | 1.2  | 0.9  | 0.7  | 0.6  | 6,980          |              |
| 1923          | .2                                 | .1   | 4.2  | 52    | 43    | 5.3   | 9.   | 3.7  | 1.7  | 1.   | 0.5  | .3   | 7,320          |              |
| 1924          | .1                                 | 0    | 1.1  | 9     | 27    | 5     | 2    | .6   | .4   | .5   | .2   | .1   | 2,800          |              |
| 1925          | 0                                  | 0    | 17   | 43    | 21    | 1.9   | 1    | .2   | .2   | .3   | .3   | .1   | 5,140          |              |
| 1926          | .1                                 | .1   | 1    | 9     | 5     | .8    | .6   | 0    | .1   | .1   | .1   | .1   | 1,020          |              |
| 1927          | 0                                  | 0    | 0    | 22    | 37    | 5.3   | 3.4  | 1.   | 1.3  | 1.5  | 1.1  | .4   | 4,430          |              |
| 1928          | .1                                 | 0    | 0    | 41    | 15    | 4.1   | 3.6  | .4   | .2   | .3   | .2   | .1   | 3,910          |              |
| 1929          | 0                                  | 0    | 1.   | 7.    | 2.    | 1     | 0    | 0    | 0    | 0    | 0    | 0    | 660            |              |
| 1930          | 0                                  | 0    | 0    | 18    | 5     | .6    | .4   | 0    | 0    | 0    | 0    | 0    | 1,440          |              |
| 1931          | 0                                  | 0    | 0    | 2     | .8    | .2    | 0    | 0    | 0    | 0    | 0    | 0    | 180            |              |
| 1932          | 0                                  | 0    | 1    | 0     | 1.7   | .2    | 0    | 0    | 0    | 0    | 0    | .1   | 180            |              |
| 1933          | 0                                  | 0    | 1    | 7     | 3.9   | 1.6   | 1.4  | 0    | 0    | 0    | 0    | .1   | 900            |              |
| 1934          | .1                                 | .1   | 7    | 5.6   | 1     | 0     | .2   | 0    | 0    | 0    | 0    | 0    | 850            |              |
| 1935          | 0                                  | 0    | 1.1  | 0     | 6     | 0     | 8.5  | .2   | .1   | 0    | 0    | .1   | 980            |              |
| 1936          | .1                                 | 0    | 0    | 10    | 12    | 1.7   | .9   | 0    | .1   | .1   | .1   | 0    | 1,510          |              |
| 1937          | 0                                  | 0    | 0    | 0     | 1.3   | .7    | 0    | 0    | 0    | 0    | 0    | 0    | 120            |              |
| 1938          | 0                                  | 0    | 3    | 1     | .8    | .2    | 0    | 0    | 0    | 0    | 0    | 0    | 300            |              |
| 1939          | 0                                  | 0    | 1    | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 60             |              |
| 1940          | 0                                  | 0    | 1    | 0     | 1     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 120            |              |
| 1941          | 0                                  | 0    | 1.1  | 7.4   | 0.6   | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 550            |              |
| 1942          | 0                                  | 0    | 1.5  | 15    | .4    | 1     | 9    | 2.7  | 3.5  | 1.4  | 1    | .5   | 2,170          |              |
| 1943          | 0                                  | 0    | 0    | 86    | 3.5   | .4    | 0    | 0    | 0    | 0    | 0    | 0    | 5,360          |              |
| 1944          | 0                                  | 0    | 0    | 12.2  | .5    | 1.6   | .3   | 0    | 0    | 0    | 0    | 0    | 870            |              |
| 1945          | 0                                  | .5   | 2.8  | .9    | .4    | .4    | 0    | 0    | 0    | 0    | 0    | 0    | 300            |              |
| 1946          | 0                                  | 1    | 5.   | 1.3   | .5    | .3    | 1.1  | .1   | 0    | .5   | .2   | 0    | 600            |              |
| 1947          | 0                                  | 0    | 0    | 40.4  | 2.2   | 2.    | 0.2  | 0    | 0    | 0    | 0    | 0    | 2,670          |              |
| 1948          | 0                                  | 0    | 0    | 23.9  | 4.8   | .3    | 0    | 0    | 0    | 0    | 0    | 0    | 1,740          |              |
| 1949          | 0                                  | 0    | 0    | 1.7   | .1    | 0     | 0    | .1   | 0    | 0    | 0    | 0    | 110            |              |
| 1950          | 0                                  | 0    | 0    | 34.9  | .8    | 4.3   | .7   | 0    | .2   | 0    | 0    | 0    | 2,440          |              |
| 1951          | 0                                  | 0    | 0    | 10.   | 1.3   | .6    | .1   | 0    | .6   | 1.   | .5   | .2   | 860            |              |
| 1952          | 0                                  | 0    | 5.1  | 8.9   | 0.4   | 1.3   | .4   | .1   | .5   | .5   | .2   | 0    | 1,050          |              |
| 1953          | 0                                  | 1    | 12.2 | 44.6  | 2.9   | 4.3   | 2.1  | 0.4  | .3   | .3   | 0    | 0    | 4,090          |              |
| 1954          | 0                                  | 0    | 0    | 41.6  | 4.3   | 9.3   | 9.5  | 4.2  | 14.2 | 11.8 | 3    | 1    | 5,950          |              |
| 1955          | .5                                 | .5   | 2.9  | 52.7  | 103.  | 32.4  | 14.2 | .6   | .1   | .4   | .2   | 0    | 12,590         |              |
| 1956          | 0                                  | 0    | .6   | 73.1  | 17.7  | 9.1   | 3.6  | .6   | .4   | .8   | .3   | 0    | 6,370          |              |
| TOTAL         | 2.                                 | 3.6  | 84.9 | 853.2 | 538.5 | 125.1 | 92.6 | 20.7 | 30.9 | 27.4 | 10.4 | 5.3  | 108,300        |              |
| AVER-<br>AGE: | 0                                  | 0    | 1.8  | 18.5  | 11.7  | 2.7   | 2.   | 0.5  | 0.7  | 0.6  | 0.2  | 0.1  | 2,354          |              |

☐ RECORDED ☐ ESTIMATED







KAPOSWAR CREEK - at Tantallon  
(River, canal, lake)

Sec. 11 T.18 R.33 W.1  
(Location)

5JM<sub>5</sub>

c.f.s.m.

| Year     | (Recorded or Natural) |      |       |         |         |       |       |       |       |       |       |       | Station Index No. | Monthly Units (c.f.s.m., g.m.s.l.) |  |  |  |  |  |  |  |  |  |  |  | TOTAL<br>Ac.Ft | cfs<br>Year |
|----------|-----------------------|------|-------|---------|---------|-------|-------|-------|-------|-------|-------|-------|-------------------|------------------------------------|--|--|--|--|--|--|--|--|--|--|--|----------------|-------------|
|          | Jan.                  | Feb. | Mar.  | Apr.    | May     | June  | July  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |                   |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1911     | 2.0                   | 2.0  | 2.0   | 10.0    | 7.0     | 9.0   | 7.0   | 11.0  | 18.0  | 21.0  | 3.0   | 8.0   | 6,060             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1912     | 3.0                   | 2.0  | 2.0   | 58.0    | 40.0    | 22.0  | 7.0   | 33.0  | 61.0  | 64.0  | 30.0  | 23.0  | 21,170            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1913     | 6.0                   | 4.0  | 2.0   | 0       | 123.0   | 12.0  | 1.0   | 25.0  | 22.0  | 15.0  | 0     | 1.0   | 1,290             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1914     | 4.0                   | 3.0  | 12.0  | 0       | 21.0    | 17.0  | 2.0   | 1.0   | 1.0   | 1.0   | 4.0   | 4.0   | 4,240             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1915     | 2.0                   | 0    | 0     | 5.0     | 1.0     | 1.0   | 1.0   | 1.0   | 1.0   | 0     | 0     | 0     | 720               |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1916     | 1.0                   | 0    | 0     | 134.0   | 16.0    | 8.0   | 15.0  | 5.0   | 3.0   | 4.0   | 4.0   | 1.0   | 11,450            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1917     | 4.0                   | 3.0  | 2.0   | 51.0    | 29.0    | 19.0  | 5.0   | 5.0   | 1.0   | 1.0   | 2.0   | 3.0   | 7,520             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1918     | 0                     | 1.0  | 0     | 15.0    | 1.0     | 1.0   | 1.0   | 0     | 1.0   | 1.0   | 1.0   | 0     | 1,310             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1919     | 0                     | 0    | 0     | 33.0    | 1.0     | 1.0   | 0     | 0     | 0     | 0     | 0     | 1.0   | 2,150             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1920     | 0                     | 0    | 0     | 65.0    | 19.0    | 13.0  | 1.0   | 5.0   | 2.0   | 2.0   | 1.0   | 1.0   | 6,540             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1921     | 1.0                   | 0    | 2.0   | 60.0    | 8.0     | 4.0   | 1.0   | 4.0   | 4.0   | 6.0   | 6.0   | 2.0   | 5,890             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1922     | 2.0                   | 1.0  | 3.0   | 107.0   | 134.0   | 80.0  | 28.0  | 41.0  | 31.0  | 25.0  | 20.0  | 18.0  | 24,530            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1923     | 6.0                   | 2.0  | 4.0   | 151.0   | 92.0    | 36.0  | 50.0  | 92.0  | 43.0  | 24.0  | 12.0  | 6.0   | 31,360            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1924     | 3.0                   | 1.0  | 2.0   | 57.0    | 39.0    | 25.0  | 7.0   | 13.0  | 7.0   | 10.0  | 5.0   | 3.0   | 10,380            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1925     | 1.0                   | 1.0  | 33.0  | 184.0   | 64.0    | 26.0  | 5.0   | 8.0   | 10.0  | 7.0   | 6.0   | 2.0   | 20,880            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1926     | 2.0                   | 2.0  | 1.0   | 29.0    | 7.0     | 6.0   | 1.0   | 1.0   | 2.0   | 4.0   | 3.0   | 2.0   | 3,600             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1927     | 1.0                   | 1.0  | 0     | 52.0    | 65.0    | 31.0  | 11.0  | 23.0  | 33.0  | 36.0  | 26.0  | 11.0  | 17,540            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1928     | 3.0                   | 1.0  | 0     | 139.0   | 29.0    | 31.0  | 18.0  | 13.0  | 5.0   | 7.0   | 6.0   | 3.0   | 15,320            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1929     | 1.0                   | 1.0  | 1.0   | 28.0    | 3.0     | 3.0   | 0     | 1.0   | 0     | 1.0   | 1.0   | 0     | 2,390             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1930     | 1.0                   | 1.0  | 0     | 70.0    | 8.0     | 3.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0     | 0     | 5,200             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1931     | 0                     | 0    | 0     | 8.0     | 1.0     | 1.0   | 0     | 0     | 0     | 0     | 0     | 0     | 600               |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1932     | 1.0                   | 0    | 1.0   | 0       | 2.0     | 1.0   | 0     | 0     | 0     | 1.0   | 1.0   | 1.0   | 49                |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1933     | 1.0                   | 1.0  | 1.0   | 38.0    | 2.0     | 4.0   | 1.0   | 0     | 1.0   | 1.0   | 1.0   | 2.0   | 3,160             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1934     | 1.0                   | 2.0  | 9.0   | 34.0    | 1.0     | 0     | 1.0   | 0     | 0     | 1.0   | 1.0   | 0     | 2,990             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1935     | 1.0                   | 1.0  | 1.0   | 0       | 5.0     | 0     | 32.0  | 9.0   | 3.0   | 1.0   | 1.0   | 3.0   | 3,490             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1936     | 2.0                   | 1.0  | 0     | 61.0    | 12.0    | 7.0   | 1.0   | 1.0   | 1.0   | 1.0   | 2.0   | 1.0   | 5,390             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1937     | 0                     | 0    | 0     | 0       | 1.0     | 3.0   | 0     | 0     | 0     | 2.0   | 1.0   | 0     | 420               |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1938     | 0                     | 0    | 5.0   | 3.0     | 2.0     | 1.0   | 0     | 1.0   | 0     | 0     | 0     | 1.0   | 790               |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1939     | 0                     | 0    | 2.0   | 0       | 0       | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 120               |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1940     | 0                     | 0    | 0     | 0       | 2.0     | 1.0   | 0     | 0     | 0     | 0     | 1.0   | 1.0   | 300               |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1941     | 0                     | 0    | 2.0   | 31.0    | 0.5     | 0.3   | 0.2   | 0.2   | 0.1   | 0     | 0     | 0     | 2,050             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1942     | 0                     | 0.3  | 23.1  | 91.3    | 0.4     | 5.4   | 0.1   | 13.7  | 3.4   | 1.2   | 0.8   | 0.5   | 8,420             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1943     | 0.5                   | 0.3  | 7.8   | 134.0   | 3.1     | 6.1   | 6.5   | 34.6  | 17.7  | 10.0  | 5.0   | 2.0   | 13,400            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1944     | 0.5                   | 0    | 0     | 26.0    | 1.9     | 30.2  | 1.9   | 0.2   | 0.1   | 0.1   | 0     | 0     | 3,640             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1945     | 0                     | 0    | 9.7   | 4.7     | 2.6     | 1.6   | 2.2   | 0.2   | 0.0   | 0.0   | 0     | 0     | 1,280             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1946     | 0                     | 1.0  | 66.0  | 20.5    | 1.1     | 0.2   | 62.3  | 0.3   | 0.2   | 0.6   | 0.9   | 0.5   | 9,400             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1947     | 0.5                   | 0.2  | 2.0   | 114.0   | 16.9    | 30.0  | 11.1  | 0.8   | 0.4   | 0.5   | 0.4   | 0.2   | 10,590            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1948     | 0.2                   | 0    | 0     | 144.0   | 38.4    | 7.5   | 22.5  | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 12,800            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1949     | 0                     | 0    | 0     | 33.0    | 1.1     | 10.4  | 0.4   | 0.3   | 0.3   | 0.2   | 0.2   | 0.2   | 2,750             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1950     | 0.2                   | 0.2  | 2.0   | 53.0    | 4.0     | 2.6   | 5.6   | 0.4   | 0.3   | 0.3   | 0.3   | 0.3   | 4,140             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1951     | 0.3                   | 0.5  | 7.0   | 37.3    | 7.1     | 7.8   | 0.9   | 0.0   | 0.0   | 0.3   | 0     | 0     | 3,670             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1952     | 0                     | 0    | 2.5   | 38.3    | 1.3     | 0.8   | 0.3   | 0.1   | 0.5   | 0.6   | 0     | 0     | 2,650             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1953     | 0                     | 0    | 28.0  | 67.0    | 9.6     | 44.6  | 20.6  | 21.8  | 6.0   | 6.0   | 8.5   | 5.0   | 13,100            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1954     | 1.0                   | 1.0  | 8.7   | 70.0    | 34.1    | 228.0 | 156.0 | 18.6  | 41.6  | 53.0  | 23.6  | 8.0   | 38,850            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1955     | 3.0                   | 1.0  | 8.5   | 361.0   | 368.0   | 51.0  | 19.1  | 2.3   | 0.4   | 2.0   | 1.5   | 0.8   | 49,510            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| 1956     | 0.5                   | 0    | 0     | 221.0   | 121.0   | 25.3  | 12.1  | 5.0   | 0.3   | 2.8   | 5.0   | 3.0   | 23,850            |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| TOTAL    | 55.7                  |      | 252.3 |         | 1,346.1 |       | 518.8 |       | 322.4 |       | 184.4 |       | 434,100           |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
|          |                       | 35.5 |       | 2,838.1 |         | 817.8 |       | 392.6 |       | 314.7 |       | 121.6 |                   |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |
| AVERAGE: | 1.2                   | 0.8  | 5.5   | 61.7    | 29.2    | 17.8  | 11.3  | 8.5   | 7.0   | 6.8   | 4.0   | 2.6   | 9,437             |                                    |  |  |  |  |  |  |  |  |  |  |  |                |             |

RECORDED ESTIMATED







PHEASANT CREEK - Abernethy

(River, canal, lake)

5JL5

(Location)

Recorded.

c.f.s.m.

(Recorded or Natural)

Station Index No.

Monthly Units (c.f.s.m., g.m.s.l.)

| Year          | Monthly Units (c.f.s.m., g.m.s.l.) |      |       |         |         |       |       |       |       |       |       |      | TOTAL<br>Ac.Ft | cfm<br>Year |
|---------------|------------------------------------|------|-------|---------|---------|-------|-------|-------|-------|-------|-------|------|----------------|-------------|
|               | Jan.                               | Feb. | Mar.  | Apr.    | May     | June  | July  | Aug.  | Sep.  | Oct.  | Nov.  | Dec. |                |             |
| 1911          | 1.0                                | 1.0  | 1.0   | 16.0    | 2.0     | 5.0   | 6.0   | 1.0   | 20.0  | 21.0  | 3.0   | 8.0  | 5,130.         |             |
| 1912          | 3.0                                | 2.0  | 1.0   | 70.0    | 27.0    | 13.0  | 6.0   | 9.0   | 53.0  | 57.0  | 26.0  | 25.0 | 17,630         |             |
| 1913          | 6.0                                | 4.0  | 1.0   | 0       | 133.0   | 7.0   | 1.0   | 6.0   | 23.0  | 16.0  | 0     | 1.0  | 12,090         |             |
| 1914          | 5.0                                | 2.0  | 16.0  | 0       | 7.0     | 13.0  | 5.0   | 0     | 0     | 2.0   | 5.0   | 5.0  | 3,640          |             |
| 1915          | 1.0                                | 0    | 1.0   | 8.0     | 0       | 0     | 0     | 0     | 1.0   | 0     | 0     | 0    | 660            |             |
| 1916          | 1.0                                | 0    | 1.0   | 127.0   | 6.0     | 5.0   | 12.0  | 1.0   | 3.0   | 3.0   | 3.0   | 1.0  | 9,750          |             |
| 1917          | 4.0                                | 3.0  | 1.0   | 58.0    | 17.0    | 10.0  | 5.0   | 1.0   | 0     | 1.0   | 2.0   | 3.0  | 6,300          |             |
| 1918          | 1.0                                | 1.0  | 0     | 14.0    | 1.0     | 0     | 0     | 0     | 1.0   | 0     | 0     | 0    | 1,070          |             |
| 1919          | 0                                  | 0    | 0     | 27.0    | 1.0     | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 1,670          |             |
| 1920          | 0                                  | 0    | 0     | 71.0    | 8.0     | 5.0   | 2.0   | 1.0   | 2.0   | 2.0   | 2.0   | 2.0  | 5,680          |             |
| 1921          | 1.0                                | 0    | 1.0   | 62.0    | 2.0     | 2.0   | 1.0   | 1.0   | 3.0   | 5.0   | 4.0   | 2.0  | 5,020          |             |
| 1922          | 1.0                                | 1.0  | 3.0   | 112.0   | 121.0   | 54.0  | 29.0  | 11.0  | 27.0  | 20.0  | 17.0  | 14.0 | 24,790         |             |
| 1923          | 5.0                                | 2.0  | 3.0   | 159.0   | 77.0    | 22.0  | 51.0  | 41.0  | 37.0  | 21.0  | 9.0   | 6.0  | 26,160         |             |
| 1924          | 2.0                                | 1.0  | 2.0   | 69.0    | 24.0    | 16.0  | 5.0   | 2.0   | 7.0   | 10.0  | 5.0   | 2.0  | 8,720          |             |
| 1925          | 1.0                                | 1.0  | 26.0  | 174.0   | 47.0    | 15.0  | 4.0   | 1.0   | 7.0   | 6.0   | 6.0   | 3.0  | 17,610         |             |
| 1926          | 2.0                                | 2.0  | 1.0   | 31.0    | 4.0     | 2.0   | 2.0   | 0     | 2.0   | 2.0   | 2.0   | 2.0  | 3,110          |             |
| 1927          | 1.0                                | 0    | 0     | 61.0    | 49.0    | 20.0  | 9.0   | 6.0   | 31.0  | 34.0  | 25.0  | 9.0  | 14,790         |             |
| 1928          | 3.0                                | 1.0  | 1.0   | 111.0   | 16.0    | 17.0  | 18.0  | 2.0   | 5.0   | 6.0   | 5.0   | 2.0  | 13,000         |             |
| 1929          | 1.0                                | 1.0  | 1.0   | 26.0    | 0       | 1.0   | 0     | 0     | 0     | 0     | 1.0   | 1.0  | 1,910          |             |
| 1930          | 1.0                                | 0    | 1.0   | 66.0    | 2.0     | 2.0   | 1.0   | 0     | 0     | 1.0   | 0     | 0    | 4,410          |             |
| 1931          | 0                                  | 0    | 0     | 8.0     | 0       | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 480            |             |
| 1932          | 1.0                                | 0    | 1.0   | 0       | 0       | 0     | 0     | 0     | 0     | 1.0   | 2.0   | 1.0  | 360            |             |
| 1933          | 1.0                                | 1.0  | 1.0   | 35.0    | 1.0     | 2.0   | 1.0   | 0     | 1.0   | 0     | 0     | 2.0  | 2,690          |             |
| 1934          | 1.0                                | 1.0  | 7.0   | 33.0    | 0       | 0     | 0     | 0     | 0     | 1.0   | 0     | 0    | 2,570          |             |
| 1935          | 2.0                                | 2.0  | 1.0   | 0       | 0       | 0     | 32.0  | 2.0   | 3.0   | 2.0   | 2.0   | 3.0  | 2,990          |             |
| 1936          | 2.0                                | 1.0  | 0     | 60.0    | 4.0     | 4.0   | 1.0   | 0     | 1.0   | 1.0   | 2.0   | 0    | 4,540          |             |
| 1937          | 2.0                                | 0    | 0     | 0       | 0       | 0     | 0     | 0     | 0     | 1.0   | 2.0   | 0    | 303            |             |
| 1938          | 0                                  | 0    | 9.0   | 0       | 0       | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 550            |             |
| 1939          | 0                                  | 0    | 2.0   | 0       | 0       | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 120            |             |
| 1940          | 0                                  | 0    | 0     | 0       | 0       | 0     | 0     | 0     | 0     | 0     | 5.0   | 0    | 300            |             |
| 1941          | 0                                  | 0    | 0.5   | 27.0    | 2.0     | 0.2   | 0.1   | 0.2   | 0.1   | 0     | 0     | 0    | 1,840          |             |
| 1942          | 0                                  | 0    | 2.1   | 81.0    | 2.3     | 1.9   | 2.4   | .8    | .8    | .4    | 0     | 0    | 5,470          |             |
| 1943          | 0                                  | 0    | 3.4   | 114.3   | 8.2     | 2.1   | .4    | .6    | .1    | .1    | 0     | 0    | 7,710          |             |
| 1944          | 0                                  | 0    | 0     | 9.4     | 0.3     | 0.4   | 0.4   | 0.2   | 0     | 0     | 0     | 0    | 640            |             |
| 1945          | 0                                  | 0    | 0.3   | 0.2     | 0.1     | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 40             |             |
| 1946          | 0                                  | 0.5  | 1.7   | 0.2     | 0       | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 140            |             |
| 1947          | 0                                  | 0    | 0     | 147.0   | 8.8     | 32.5  | 6.3   | 0     | 0     | 0     | 0     | 0    | 11,610         |             |
| 1948          | 0                                  | 0    | 0     | 100.0   | 12.3    | 0.2   | 0     | 0     | 0     | 0     | 0     | 0    | 6,720          |             |
| 1949          | 0                                  | 0    | 0     | 8.3     | 0       | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 490            |             |
| 1950          | 0                                  | 0    | 0.4   | 46.1    | 0.8     | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 2,820          |             |
| 1951          | 0                                  | 0.5  | 2.0   | 37.5    | 17.2    | 5.0   | 0     | 0     | 0     | 0     | 0     | 0    | 3,740          |             |
| 1952          | 0                                  | 0.5  | 20.2  | 55.2    | 4.2     | 5.0   | 3.0   | 2.0   | 1.0   | 1.0   | 0.5   | 0.5  | 5,600          |             |
| 1953          | 0                                  | 1.0  | 23.5  | 63.9    | 6.3     | 18.9  | 3.3   | 15.1  | 0.6   | 0.4   | 0.2   | 0    | 8,020          |             |
| 1954          | 0                                  | 0    | 0     | 97.7    | 17.8    | 59.1  | 137.0 | 19.6  | 50.4  | 24.1  | 5.0   | 2.0  | 24,950.        |             |
| 1955          | 0.5                                | 0.2  | 1.8   | 254.    | 330.0   | 32.5  | 81.3  | 16.7  | 0     | 0.1   | 0     | 0    | 43,520         |             |
| 1956          | 0                                  | 0    | 0     | 356.0   | 154.0   | 14.2  | 4.0   | .2    | 2.1   | 0.7   | 0.2   | 0    | 31,930         |             |
| TOTAL         | 49.5                               | 29.7 | 139.9 | 2,825.8 | 1,114.0 | 387.0 | 429.2 | 140.4 | 282.1 | 239.8 | 133.9 | 94.5 | 353,300.       |             |
| AVER-<br>AGE: | 1.1                                | 0.6  | 3.0   | 61.4    | 24.2    | 8.4   | 9.3   | 3.1   | 6.1   | 5.2   | 2.9   | 2.1  | 7,680          |             |

BLACK - recorded; RED - estimated.

RECORDED

ESTIMATED







Drainage Area: 932 (book)

# COMPLETED

HYDROLOGIC SUMMARY Sec.20,-T21-R28-W2nd.

29

QU'APPELLE RIVER -- above Buffalo Pound Lake (Formerly near Keeler)

(River, canal, lake)

(Location)

Recorded

5JG<sub>4</sub>

c.f.s.m.

(Recorded or Natural)

Station Index No.

Monthly Units (c.f.s.m., g.m.s.l.)

| Year                     | Jan. | Feb. | Mar.  | Apr.   | May   | June  | July  | Aug. | Sep. | Oct. | Nov. | Dec. | TOTAL<br>Ac.Ft | cfsm<br>Year |
|--------------------------|------|------|-------|--------|-------|-------|-------|------|------|------|------|------|----------------|--------------|
| 1911                     |      |      |       |        |       |       |       |      |      |      |      |      |                |              |
| 1912                     |      |      |       |        |       |       |       |      |      |      |      |      |                |              |
| 1913                     |      |      |       |        |       |       |       |      |      |      |      |      |                |              |
| 1914                     |      |      |       |        |       |       |       |      |      |      |      |      |                |              |
| 1915                     |      |      |       |        |       |       |       |      |      |      |      |      |                |              |
| 1916                     |      |      |       |        |       |       |       |      |      |      |      |      |                |              |
| 1917                     |      |      |       |        |       |       |       |      |      |      |      |      |                |              |
| 1918                     |      |      |       |        |       |       |       |      |      |      |      |      |                |              |
| 1919                     |      |      |       |        |       |       |       |      |      |      |      |      |                |              |
| 1920                     |      |      |       |        |       |       |       |      |      |      |      |      |                |              |
| 1921                     | 0    | 0    | 0     | 0      | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0              |              |
| 1922                     | 0    | 1.0  | 3.0   | 92.0   | 24.0  | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 7,800          |              |
| 1923                     | 0    | 0    | 0     | 36.0   | 2.0   | 4.0   | 112.0 | 3.0  | 0    | 0    | 0    | 0    | 9,570          |              |
| 1924                     | 0    | 0.5  | 2.0   | 44.0   | 3.0   | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 2,950          |              |
| 1925                     | 0    | 2.0  | 8.0   | 148.0  | 5.0   | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 9,720          |              |
| 1926                     | 0    | 0    | 0     | 0      | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0              |              |
| 1927                     | 0    | 4.0  | 18.0  | 220.0  | 32.0  | 8.0   | 0     | 0    | 1.0  | 1.0  | 0    | 0    | 16,980         |              |
| 1928                     | 0    | 0    | 0     | 20.0   | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 1,190          |              |
| 1929                     | 0    | 0    | 0     | 0      | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0              |              |
| 1930                     | 0    | 0    | 0     | 16.0   | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 950            |              |
| 1931                     | 0    | 3.0  | 18.0  | 0      | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 1,270          |              |
| 1932                     | 0    | 0    | 0     | 18.0   | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 1,070          |              |
| 1933                     | 0    | 0    | 1.0   | 2      | 1.0   | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 240            |              |
| 1934                     | 0    | 0    | 0     | 0      | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0              |              |
| 1935                     | 0    | 0    | 0     | 3      | 1.0   | 1.0   | 0     | 0    | 0    | 0    | 0    | 0    | 300            |              |
| 1936                     | 0    | 0    | 0     | 130.0  | 27.1  | 5.2   | 2.0   | 0    | 0    | 0    | 0    | 0    | 9,830          |              |
| 1937                     | 0    | 3.0  | 12.0  | 0      | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 910            |              |
| 1938                     | 0    | 0    | 0     | 3.0    | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 180            |              |
| 1939                     | 0    | 0    | 0     | 4.0    | 0     | 0     | 1.0   | 0    | 0    | 0    | 0    | 0    | 300            |              |
| 1940                     | 0    | 0    | 0     | 0      | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0              |              |
| 1941                     | 0    | 0    | 0     | 24.0   | 8.0   | 1.0   | 0     | 0    | 0    | 0    | 0    | 0    | 1,980          |              |
| 1942                     | 0    | 0    | 0     | 40.0   | 4.0   | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 2,630          |              |
| 1943                     | 0    | 0    | 1.0   | 80.0   | 8.0   | 5.0   | 3.0   | 2.0  | 0.5  | 0    | 0    | 0    | 5,950          |              |
| 1944                     | 0    | 0.0  | 0.2   | 3.5    | 2.2   | 2.9   | 0.4   | 0.0  | 0.0  | 0.0  | 0    | 0    | 550            |              |
| 1945                     | 0    | 0.0  | 0.1   | 0.1    | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0    | 0    | 12             |              |
| 1946                     | 0    | 0    | 94.1  | 2.9    | 1     | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0    | 0    | 5,960          |              |
| 1947                     | 0    | 0    | 0.0   | 68.4   | 4.6   | 0.5   | 0.4   | 0.0  | 0.0  | 0.0  | 0    | 0    | 4,410          |              |
| 1948                     | 0    | 0    | 0.0   | 184.0  | 25.1  | 1.8   | 0.9   | 0.2  | 0.0  | 0.0  | 0    | 0    | 12,670         |              |
| 1949                     | 0    | 0    | 0.3   | 2.1    | 0.0   | 0.0   | 0.0   | 4.4  | 0.0  | 0.0  | 0    | 0    | 410            |              |
| 1950                     | 0    | 0    | 4.9   | 307.0  | 32.1  | 7.0   | 0.4   | 0.0  | 0.0  | 0.0  | 0    | 0    | 20,980         |              |
| 1951                     | 0    | 0    | 0.0   | 120.0  | 90.0  | 18.9  | 13.0  | 5.0  | 10.8 | 6.3  | 0    | 0    | 15,940         |              |
| 1952                     | 0    | 0    | 1.6   | 273.0  | 41.0  | 16.7  | 5.0   | 2.8  | 0.7  | 0.2  | 0.1  | 0    | 20,400         |              |
| 1953                     | 0    | 0    | 64.2  | 87.1   | 26.8  | 13.7  | 1.0   | 0.2  | 1    | 0.0  | 0    | 0    | 11,670         |              |
| 1954                     | 0.2  | 0.2  | 0.8   | 5.2    | 2.2   | 6.0   | 10.0  | 1.8  | 6.5  | 4.1  | 2.0  | 0.5  | 2,390          |              |
| 1955                     | 0    | 0    | 41.2  | 308.0  | 149.0 | 7.9   | 16.6  | 0.5  | 5.0  | 8.1  | 3.0  | 1.0  | 32,580         |              |
| 1956                     | 0.5  | 0    | 0     | 333.0  | 46.8  | 4.7   | 0.4   | 0    | 0    | 1.4  | 1.0  | 0.5  | 23,200         |              |
| TOTAL<br>1921-56         | 0.7  | 13.7 | 270.4 | 2574.3 | 544.9 | 104.3 | 166.1 | 19.9 | 24.5 | 21.1 | 6.1  | 2.0  | 224,990        |              |
| AVER-<br>AGE:<br>1921-56 | 0.0  | 0.4  | 7.5   | 71.5   | 15.1  | 2.9   | 4.6   | 0.5  | 0.7  | 0.6  | 0.2  | 0.1  | 6,250          |              |

Red - Estimated

Black - Recorded

RECORDED

ESTIMATED







Drainage Area: 4,675 sq. mi.

HYDROLOGIC SUMMARY

COMPLETED

29

QU'APPELLE RIVER - below Junction Moose Jaw Creek  
(River, canal, lake)

Sec. 4 - R19 - R24 - W2

5JC

(Location)

7

(Recorded or Natural)

Station Index No.

Monthly Units (c.f.s.m., g.m.s.l.)

| Year          | Monthly Units (c.f.s.m., g.m.s.l.) |      |        |          |        |        |        |        |       |       |       |       | TOTAL<br>Ac.Ft | cfsm<br>Year |
|---------------|------------------------------------|------|--------|----------|--------|--------|--------|--------|-------|-------|-------|-------|----------------|--------------|
|               | Jan.                               | Feb. | Mar.   | Apr.     | May    | June   | July   | Aug.   | Sep.  | Oct.  | Nov.  | Dec.  |                |              |
| 1911          | 0                                  | 0.5  | 40.0   | 160.0    | 57.0   | 33.0   | 41.0   | 13.0   | 32.0  | 7.5   | 3.0   | 1.0   | 26,380         |              |
| 1912          | 0.5                                | 0    | 7.5    | 231.0    | 158.0  | 124.0  | 68.5   | 32.0   | 28.0  | 22.0  | 2.0   | 3.0   | 41,220         |              |
| 1913          | 1.0                                | 2.0  | 61.0   | 367.0    | 77.0   | 45.0   | 38.0   | 31.0   | 15.3  | 9.1   | 3.0   | 1.0   | 39,120         |              |
| 1914          | 0.5                                | 0    | 0.9    | 39.0     | 29.0   | 22.0   | 19.0   | 7.0    | 5.0   | 6.0   | 2.0   | 1.0   | 7,940          |              |
| 1915          | 0                                  | 0    | 0.1    | 8.0      | 11.0   | 7.0    | 6.0    | 3.0    | 4.0   | 9.0   | 3.0   | 1.0   | 3,160          |              |
| 1916          | 0.5                                | 0    | 0      | 111.0    | 443.0  | 250.0  | 105.0  | 49.0   | 32.0  | 25.0  | 8.0   | 3.0   | 62,320         |              |
| 1917          | 1.0                                | 0    | 1.0    | 636.0    | 438.0  | 157.0  | 75.0   | 36.0   | 215.0 | 25.0  | 7.0   | 3.0   | 95,870         |              |
| 1918          | 1.0                                | 2.0  | 184.0  | 155.0    | 82.0   | 39.0   | 11.0   | 7.0    | 4.0   | 13.0  | 5.0   | 1.5   | 30,620         |              |
| 1919          | 0.5                                | 0    | 0      | 55.0     | 42.0   | 7.0    | 0      | 1.0    | 1.0   | 1.0   | 0.5   | 0     | 6,510          |              |
| 1920          | 0                                  | 1.0  | 72.0   | 58.0     | 219.0  | 66.0   | 20.0   | 7.0    | 7.0   | 7.0   | 4.0   | 2.0   | 28,200         |              |
| 1921          | 1.0                                | 0.5  | 14.0   | 35.0     | 43.0   | 15.0   | 38.0   | 12.0   | 11.0  | 17.0  | 6.0   | 3.0   | 11,760         |              |
| 1             | 1.0                                | 1.0  | 124.0  | 1021.0   | 448.0  | 268.0  | 125.0  | 48.0   | 26.0  | 19.0  | 10.0  | 5.0   | 126,740        |              |
| 1923          | 3.0                                | 2.0  | 10.0   | 335.0    | 169.0  | 10.0   | 0      | 0      | 0     | 0     | 0     | 0     | 31,830         |              |
| 1924          | 0                                  | 1.0  | 30.0   | 325.0    | 28.0   | 30.0   | 1.0    | 0      | 0     | 0     | 0     | 0     | 24,810         |              |
| 1925          | 0                                  | 0    | 5.0    | 999.0    | 18.0   | 70.0   | 0      | 0      | 0     | 0     | 0     | 0     | 65,020         |              |
| 1926          | 0                                  | 0    | 1.0    | 3.5      | 15.0   | 10.0   | 30.0   | 0      | 0     | 0     | 0     | 0     | 3,700          |              |
| 1927          | 0                                  | 0    | 0      | 478.0    | 770.0  | 409.0  | 268.0  | 169.0  | 54.0  | 20.0  | 10.0  | 7.0   | 132,460        |              |
| 1928          | 4.0                                | 2.0  | 100.0  | 505.0    | 150.0  | 81.0   | 59.0   | 24.0   | 17.0  | 7.0   | 5.0   | 2.0   | 45,420         |              |
| 1929          | 0.5                                | 0    | 2.0    | 21.0     | 13.0   | 14.0   | 7.0    | 2.0    | 2.0   | 3.0   | 1.5   | 1.0   | 4,410          |              |
| 1930          | 0                                  | 0.5  | 43.0   | 234.0    | 17.0   | 15.0   | 10.0   | 5.0    | 7.0   | 9.0   | 5.0   | 2.0   | 20,910         |              |
| 1931          | 0.5                                | 0    | 11.0   | 60.0     | 83.0   | 43.0   | 15.0   | 5.0    | 5.0   | 5.0   | 3.0   | 2.0   | 14,080         |              |
| 1932          | 1.0                                | 0.5  | 137.0  | 180.0    | 20.0   | 0      | 0      | 0      | 0     | 0     | 0     | 0     | 22,300         |              |
| 1933          | 0                                  | 1.0  | 10.0   | 90.0     | 21.0   | 57.0   | 2.0    | 8.0    | 0     | 0     | 0     | 0     | 11,320         |              |
| 1934          | 0                                  | 0    | 3.0    | 8.0      | 0      | 1.0    | 2.0    | 5.0    | 1.0   | 1.0   | 1.0   | 0.5   | 1,330          |              |
| 1935          | 0                                  | 0    | 0      | 93.0     | 21.0   | 45.0   | 65.0   | 39.0   | 55.0  | 1.0   | 0.5   | 0     | 19,260         |              |
| 1936          | 0                                  | 1.0  | 28.0   | 981.0    | 258.0  | 5.0    | 1.0    | 5.0    | 0     | 1.0   | 0.5   | 0.5   | 76,870         |              |
| 1937          | 0                                  | 0    | 0      | 0.2      | 1.30   | 0      | 0      | 0      | 0     | 0     | 0     | 0     | 90             |              |
| 1938          | 0                                  | 5.0  | 225.0  | 150.0    | 16.0   | 0.5    | 5.0    | 1.0    | 3.0   | 1.0   | 0.5   | 0.5   | 25,110         |              |
| 1c            | 0.5                                | 2.0  | 30.0   | 156.0    | 0.5    | 20.0   | 115.0  | 0.5    | 0.5   | 0     | 0     | 0     | 19,010         |              |
| 1940          | 0                                  | 0    | 0      | 1.7      | 16.0   | 0.5    | 0.5    | 1.0    | 0     | 0     | 0     | 0     | 1,210          |              |
| 1941          | 0                                  | 0    | 0      | 100.0    | 130.0  | 0      | 70.0   | 73.0   | 0     | 0     | 0     | 0     | 22,740         |              |
| 1942          | 0                                  | 0    | 0      | 30.0     | 53.0   | 0      | 0      | 80.0   | 0     | 0     | 0     | 0     | 9,970          |              |
| 1943          | 0                                  | 0    | 0      | 200.0    | 150.0  | 0      | 0      | 0      | 0     | 0     | 0     | 0     | 21,120         |              |
| 1944          | 0                                  | 0    | 0      | 5.3      | 5.8    | 36.7   | 8.8    | 1.9    | 3.2   | 5.0   | 4.0   | 4.0   | 4,130          |              |
| 1945          | 0.5                                | 0    | 8.9    | 6.2      | 1.0    | 3.1    | 1.4    | 0.1    | 1.9   | 2.9   | 2.0   | 2.0   | 1,700          |              |
| 1946          | 0.5                                | 0    | 62.0   | 69.0     | 8.4    | 16.2   | 31.7   | 19.8   | 9.0   | 0.7   | 0.5   | 0.5   | 13,230         |              |
| 1947          | 0                                  | 0    | 8.0    | 507.0    | 231.0  | 27.2   | 55.0   | 39.6   | 32.0  | 6.6   | 3.0   | 3.0   | 54,850         |              |
| 1948          | 0.5                                | 0.5  | 6.9    | 504.0    | 1300.0 | 327.0  | 72.0   | 20.4   | 38.4  | 103.0 | 3.0   | 30.0  | 146,570        |              |
| 1949          | 2.0                                | 0.5  | 5.7    | 49.4     | 6.3    | 2.1    | 6.4    | 4.1    | 2.2   | 2.9   | 1.0   | 1.0   | 5,000          |              |
| 1950          | 0                                  | 0.5  | 17.7   | 259.0    | 259.0  | 35.2   | 11.4   | 7.2    | 0.8   | 0.2   | 0.2   | 0.2   | 35,760         |              |
| 1951          | 0                                  | 0    | 0      | 485.0    | 758.0  | 161.0  | 176.0  | 7.1    | 96.0  | 15.5  | 10.0  | 5.0   | 103,870        |              |
| 1952          | 3.0                                | 2.0  | 20.9   | 967.0    | 330.0  | 8.6    | 16.1   | 5.8    | 5.0   | 133.0 | 30.0  | 20.0  | 92,760         |              |
| 1953          | 5.0                                | 3.0  | 32.8   | 74.3     | 33.0   | 1135.0 | 1065.0 | 92.7   | 6.0   | 3.0   | 2.0   | 2.0   | 148,500        |              |
| 1954          | 1.5                                | 3.0  | 4.9    | 7.4      | 5.7    | 72.4   | 27.9   | 33.8   | 250.0 | 140.0 | 40.0  | 15.0  | 36,240         |              |
| 1955          | 7.0                                | 2.0  | 20.5   | 1087.0   | 1496.0 | 378.0  | 299.0  | 106.0  | 20.2  | 6.0   | 3.0   | 2.0   | 207,730        |              |
| 1c            | 1.0                                | 0.5  | 111.0  | 1337.0   | 718.0  | 106.0  | 66.2   | 12.6   | 5.6   | 5.8   | 3.0   | 2.0   | 142,760        |              |
| TOTAL         | 37.5                               |      | 1465.8 |          | 9148.0 |        | 3034.9 |        | 995.1 |       | 215.2 |       |                |              |
|               |                                    | 34.0 |        | 12,984.0 |        | 4204.5 |        | 1015.6 |       | 663.2 |       | 101.0 | 2,045,800      |              |
| AVER-<br>AGE: | 0.8                                | 0.7  | 31.9   | 282.3    | 198.9  | 91.4   | 66.0   | 22.1   | 21.6  | 13.8  | 4.7   | 2.2   | 44,474.        |              |

RECORDED ESTIMATED







QU'APPELLE RIVER at Lumsden, Sask.

Sec. 33-19-21-42

(River, canal, lake)

5JP  
1

(Location)

| Year          | (Recorded or Natural) |      |       |        |        |       |       |       |       |      |      |      | Station Index No. |             | Monthly Units (c.f.s.m., g.m.s.l.) |  |  |  |  |  |  |  |  |  |  |  |
|---------------|-----------------------|------|-------|--------|--------|-------|-------|-------|-------|------|------|------|-------------------|-------------|------------------------------------|--|--|--|--|--|--|--|--|--|--|--|
|               | Jan.                  | Feb. | Mar.  | Apr.   | May    | June  | July  | Aug.  | Sep.  | Oct. | Nov. | Dec. | Ac. Ft.           | cf/ann Year |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1911          | 2                     | 3    | 60    | 430    | 90     | 113   | 42.6  | 12.9  | 32.4  | 15.4 | 3.7  | 2.8  | 50,880            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1912          | 0.7                   | 0.4  | 15.8  | 395    | 523    | 158   | 86.4  | 34.1  | 29    | 23.6 | 16.6 | 2.7  | 77,840            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1913          | 1.1                   | 2.5  | 61    | 428    | 82     | 46.4  | 46.8  | 31.2  | 15.4  | 9.2  | 7.5  | 3.8  | 44,180            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1914          | 1.1                   | T    | 1.8   | 86     | 33     | 24    | 19.8  | 7.5   | 5.4   | 6    | 4.4  | 2.4  | 11,530            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1915          | 0.8                   | 0.1  | 0.1   | 9      | 11.2   | 7.6   | 5.9   | 2.6   | 3.7   | 9.3  | 3.8  | 2.1  | 3,410             |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1916          | 0.5                   | 0.2  | 0.2   | 1395   | 543    | 248   | 113   | 51    | 33    | 33   | 28   | 6.8  | 147,360           |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1917          | 0.9                   | 0.7  | 0.9   | 1094   | 559    | 163   | 76    | 36    | 25    | 25   | 17.7 | 1.4  | 120,480           |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1918          | 0.1                   | 0.4  | 303   | 197    | 108    | 40    | 10.8  | 6.8   | 3.9   | 12.7 | 6.2  | 4.5  | 42,140            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1919          | 4.2                   | 1.1  | 1.5   | 175    | 50     | 7.8   | 4.3   | 0.9   | 1.2   | 3.2  | 2.1  | 0.7  | 15,120            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1920          | 0.2                   | 0.1  | 88    | 439    | 313    | 69    | 19.7  | 7.2   | 6.8   | 9    | 5    | 3.7  | 58,040            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1921          | 0.1                   | 2.2  | 15.3  | 44     | 47     | 22    | 66    | 13.2  | 14.1  | 18.9 | 10.3 | 4.2  | 15,630            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1922          | 1.6                   | 0.5  | 149   | 1417   | 621    | 291   | 128   | 49    | 26    | 19.7 | 15.7 | 8    | 164,170           |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1923          | 5.3                   | 3    | 19.8  | 515    | 193    | 155.8 | 1292  | 81    | 16    | 8    | 5    | 4    | 139,900           |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1924          | 3                     | 2    | 58    | 560    | 48     | 30    | 1     | 0     | 2     | 1    | 1    | 1    | 42,290            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1925          | 1                     | 0.5  | 17    | 1640   | 38     | 79    | 0     | 0     | 0     | 1    | 1    | 1    | 105,400           |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1926          | 0.5                   | 0.5  | 1     | 8      | 18     | 10    | 30    | 0     | 0     | 0    | 0    | 0    | 4,140             |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1927          | 0                     | 0    | 0     | 1527   | 946    | 481   | 273   | 174   | 69    | 42   | 25   | 15   | 214,830           |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1928          | 30                    | 5    | 338   | 561    | 161    | 95    | 79    | 24.9  | 17.8  | 9.7  | 5    | 2    | 79,080            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1929          | 1                     | 0    | 7.9   | 21.5   | 13.3   | 14.2  | 7.2   | 2.2   | 2.2   | 4    | 3    | 2    | 4,750             |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1930          | 2                     | 1.5  | 43.1  | 321    | 27.8   | 15.6  | 10.9  | 6.5   | 9     | 9.8  | 8    | 3    | 27,590            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1931          | 3                     | 2    | 11.4  | 60     | 83     | 43    | 15    | 5     | 5     | 5    | 3    | 2    | 14,360            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1932          | 1.8                   | 1    | 187.8 | 187    | 21     | 0     | 0     | 0     | 0     | 0    | 0    | 0    | 22,950            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1933          | 0                     | 0.5  | 10    | 105    | 37.7   | 73.6  | 5.2   | 7.6   | 8     | 0    | 0    | 0    | 14,310            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1934          | 0                     | 0    | 2.8   | 23.9   | 0.5    | 1.4   | 2.4   | 3.3   | 1     | 1.2  | 1    | 0.5  | 2,420             |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1935          | 0.5                   | 0    | 0     | 100    | 30     | 45.5  | 46.8  | 40.2  | 35.6  | 1.2  | 1    | 0.5  | 20,580            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1936          | 0.5                   | 1    | 41.7  | 1450   | 314.6  | 8.3   | 1.3   | 5.9   | 0.5   | 1.2  | 1.0  | 0.5  | 109,400           |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1937          | 0.5                   | 0.2  | 0.1   | 0.2    | 1.4    | 0.8   | 0.5   | 0.4   | 3.1   | 3.8  | 2.5  | 1.3  | 900               |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1938          | 1                     | 1    | 226.5 | 173.2  | 16.8   | 1.5   | 8.8   | 2.7   | 4.5   | 2.1  | 2    | 1    | 26,780            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1939          | 1                     | 1    | 72.5  | 202.7  | 1.2    | 21.8  | 115.3 | 0.9   | 0.5   | 9.2  | 0.2  | 0    | 25,210            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1940          | 0                     | 0    | 0.1   | 2.3    | 16.6   | 1     | 1     | 1.5   | 1     | 0    | 0    | 0    | 1,440             |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1941          | 0                     | 0.5  | 6.1   | 201.6  | 173.2  | 12.1  | 78.1  | 78.1  | 3.5   | 3.2  | 2.5  | 1.5  | 34,040            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1942          | 1                     | 1    | 16.7  | 309.3  | 171.9  | 33.4  | 24.3  | 2.2   | 18.6  | 8.6  | 6    | 4    | 41,150            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1943          | 2                     | 1    | 31    | 717.8  | 370.4  | 61.9  | 45    | 26.3  | 19.7  | 15.9 | 8    | 5    | 78,570            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1944          | 1                     | 0    | 0     | 18.7   | 28.6   | 39.9  | 19.1  | 9.5   | 9.1   | 9.8  | 6    | 3    | 8,750             |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1945          | 1.5                   | 1    | 18.9  | 26.2   | 12     | 14.8  | 9.8   | 5.4   | 6.6   | 12.1 | 8    | 5    | 7,350             |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1946          | 3                     | 2    | 132   | 78     | 27     | 22.2  | 44    | 21    | 13    | 19   | 5    | 4    | 21,840            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1947          | 1                     | 0.5  | 3.4   | 1130   | 388    | 79    | 63    | 59    | 65    | 14.7 | 7    | 3    | 108,970           |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1948          | 2                     | 1    | 5.3   | 974    | 1750   | 528   | 71    | 23.3  | 33.5  | 125  | 40   | 13   | 216,630           |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1949          | 5                     | 1.5  | 9.7   | 95.1   | 36.9   | 30    | 15.7  | 14.6  | 10.4  | 12.0 | 6    | 4    | 14,520            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1950          | 2                     | 2    | 25.7  | 399    | 322    | 57.9  | 31.3  | 17    | 10.1  | 13.1 | 8    | 5    | 53,960            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1951          | 2                     | 1    | 4     | 751    | 1060   | 222   | 216   | 6     | 116   | 45.8 | 20   | 10   | 148,670           |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1952          | 5                     | 5    | 7     | 1260   | 476    | 27.7  | 26.6  | 12.9  | 14.7  | 112  | 20   | 10   | 118,910           |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1953          | 5                     | 2.5  | 66.4  | 305    | 82.1   | 896   | 1044  | 229   | 57.7  | 30.8 | 12   | 8    | 165,850           |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1954          | 5                     | 10   | 20.1  | 103    | 63.9   | 177   | 64.9  | 68.1  | 278   | 168  | 30   | 15   | 60,440            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1955          | 8                     | 12   | 24.2  | 1727   | 2455   | 676   | 551   | 182   | 44.7  | 21.9 | 15   | 10   | 347,170           |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| 1956          | 8                     | 6    | 96.9  | 2168   | 1362   | 187   | 120   | 42.1  | 22.4  | 24.7 | 20   | 12   | 245,410           |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL         | 96                    |      | 2,182 |        | 13,728 |       | 4,952 |       | 1,098 |      | 393  |      | 3,279,340         |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
|               |                       | 77   |       | 23,853 |        | 5,353 |       | 1,505 |       | 903  |      | 192  |                   |             |                                    |  |  |  |  |  |  |  |  |  |  |  |
| AVER-<br>AGE: | 2                     | 2    | 47    | 519    | 298    | 116   | 108   | 33    | 24    | 20   | 9    | 4    | 71,290            |             |                                    |  |  |  |  |  |  |  |  |  |  |  |

RECORDED ESTIMATED







Drainage Area: 12,200 (Approx.) **COMPLETED**  
HYDROMETRIC SUMMARY

Qu'Appelle River Below Craven Dam 24, T20 R21, W. 2  
(River, canal, lake) (Location)

| Year      | Recorded (Recorded or Natural) |       |       |          |         |         |         |         |         |         |       |       | Station Index No. | cfsm (Recorded or Natural) |      |      |      |     |      |      |      |      |      |      |      | TOTAL Ac.Ft | cfs/Year |
|-----------|--------------------------------|-------|-------|----------|---------|---------|---------|---------|---------|---------|-------|-------|-------------------|----------------------------|------|------|------|-----|------|------|------|------|------|------|------|-------------|----------|
|           | Jan.                           | Feb.  | Mar.  | Apr.     | May     | June    | July    | Aug.    | Sep.    | Oct.    | Nov.  | Dec.  |                   | Jan.                       | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. |             |          |
| 1911      | 2.0                            | 2.0   | 2.0   | 38.0     | 6.0     | 47.0    | 59.0    | 6.0     | 22.0    | 31.0    | 1.0   | 1.0   | 13,300            |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1912      | 13.0                           | 3.0   | 2.0   | 365.0    | 105.0   | 140.0   | 67.0    | 102.0   | 509.0   | 656.0   | 62.0  | 76.0  | 128,170           |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1913      | 04.0                           | 19.0  | 2.0   | 0        | 623.0   | 70.0    | 2.0     | 52.0    | 35.0    | 12.0    | 0     | 1.0   | 56,250            |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1914      | 3.0                            | 2.0   | 57.0  | 0        | 8.0     | 42.0    | 8.0     | 1.0     | 0       | 2.0     | 1.0   | 1.0   | 7,590             |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1915      | 6.0                            | 0     | 1.0   | 13.0     | 6.0     | 2.0     | 1.0     | 1.0     | 0       | 0       | 0     | 0     | 1,810             |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1916      | 1.0                            | 1.0   | 1.0   | 445.0    | 13.0    | 30.0    | 126.0   | 2.0     | 1.0     | 2.0     | 2.0   | 1.0   | 37,480            |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1917      | 13.0                           | 6.0   | 1.0   | 142.0    | 34.0    | 71.0    | 27.0    | 2.0     | 0       | 1.0     | 1.0   | 2.0   | 17,990            |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1918      | 1.0                            | 1.0   | 0     | 23.0     | 3.0     | 8.0     | 1.0     | 0       | 1.0     | 0       | 1.0   | 1.0   | 2,390             |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1919      | 1.0                            | 1.0   | 0     | 63.0     | 1.0     | 2.0     | 1.0     | 0       | 0       | 0       | 0     | 1.0   | 4,170             |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1920      | 1.0                            | 1.0   | 1.0   | 177.0    | 18.0    | 41.0    | 7.0     | 2.0     | 1.0     | 0       | 1.0   | 0     | 14,930            |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1921      | 0                              | 0     | 0.5   | 2.0      | 2.0     | 2.0     | 36.9    | 2.0     | 2.0     | 2.0     | 0.5   | 0     | 3,050             |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1922      | 0                              | 0     | 3.0   | 656.0    | 150.0   | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     | 0.5   | 0     | 49,080            |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1923      | 0                              | 0     | 3.0   | 360.0    | 146.0   | 104.0   | 246.0   | 227.0   | 100.0   | 54.0    | 15.0  | 5.0   | 76,320            |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1924      | 2.0                            | 1.0   | 3.0   | 338.0    | 2.0     | 12.0    | 10.0    | 2.0     | 2.0     | 2.0     | 0.5   | 0.5   | 22,350            |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1925      | 0                              | 0     | 4.1   | 823.0    | 2.0     | 2.0     | 2.0     | 47.0    | 2.0     | 2.0     | 1.0   | 0.5   | 52,810            |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1926      | 0.5                            | 4.5   | 1.0   | 2.0      | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     | 0.7   | 0.6   | 1,050             |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1927      | 0.6                            | 0.9   | 10.3  | 928.0    | 592.0   | 520.0   | 253.0   | 178.0   | 69.0    | 30.0    | 6.0   | 3.0   | 154,650           |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1928      | 2.0                            | 2.0   | 200.0 | 300.0    | 200.0   | 150.0   | 100.0   | 50.0    | 50.0    | 10.0    | 4.0   | 2.0   | 64,780            |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1929      | 1.0                            | 0.5   | 1.0   | 2.0      | 2.0     | 2.0     | 50.0    | 2.0     | 2.0     | 2.0     | 1.0   | 0.5   | 4,040             |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1930      | 0.5                            | 0.5   | 2.0   | 70.0     | 5.0     | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     | 1.0   | 0.5   | 5,350             |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1931      | 0.5                            | 0.5   | 1.0   | 2.0      | 2.0     | 2.0     | 50.0    | 2.0     | 2.0     | 2.0     | 1.0   | 0.5   | 4,010             |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1932      | 0.5                            | 0.5   | 0.5   | 2.0      | 2.0     | 2.0     | 50.0    | 2.0     | 2.0     | 2.0     | 1.0   | 0.5   | 3,950             |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1933      | 0                              | 0     | 1.0   | 55.0     | 2.0     | 35.0    | 2.0     | 2.0     | 2.0     | 2.0     | 0.5   | 0     | 6,060             |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1934      | 0                              | 0     | 0.5   | 14.0     | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     | 1.0   | 0.5   | 1,680             |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1935      | 0                              | 0     | 2.0   | 82.0     | 2.0     | 35.0    | 2.0     | 2.0     | 2.0     | 2.0     | 1.0   | 0.5   | 7,790             |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1936      | 0                              | 0     | 5.0   | 894.0    | 115.0   | 36.0    | 2.0     | 2.0     | 2.0     | 2.0     | 1.0   | 0.5   | 63,290            |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1937      | 0                              | 0     | 0.5   | 2.0      | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     | 0.5   | 0     | 910               |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1938      | 0                              | 0.5   | 62.0  | 92.0     | 2.0     | 2.0     | 55.0    | 1.0     | 2.0     | 2.0     | 1.0   | 0     | 13,420            |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1939      | 0                              | 0     | 2.0   | 100.0    | 20.0    | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     | 0.5   | 0     | 7,940             |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1940      | 0                              | 0     | 0     | 2.0      | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     | 1.0   | 0.5   | 940               |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1941      | 0                              | 0     | 1.0   | 70.0     | 5.0     | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     | 0.5   | 0     | 5,170             |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1942      | 0                              | 0     | 1.0   | 70.0     | 5.0     | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     | 0.5   | 0     | 5,170             |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1943      | 0                              | 0     | 4.0   | 558.0    | 108.0   | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     | 0.5   | 0     | 40,720            |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1944      | 0                              | 0.2   | 0.5   | 24.0     | 0.2     | 0.3     | 0.4     | 1.0     | 2.5     | 0.1     | 0.1   | 0     | 1,750             |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1945      | 0                              | 0     | 0.2   | 7.0      | 0.5     | 0.0     | 0.0     | 0.2     | 0.2     | 0.3     | 0.2   | 0     | 510               |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1946      | 0                              | 0.3   | 23.5  | 5.0      | 7.4     | 17.0    | 4.8     | 0.5     | 12.9    | 0.8     | 0.5   | 0.2   | 4,410             |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1947      | 0                              | 0.6   | 2.0   | 696.0    | 90.0    | 5.5     | 1.1     | 17.5    | 0.6     | 0.3     | 0.2   | 0     | 48,610            |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1948      | 0                              | 0     | 0.0   | 390.0    | 641.0   | 30.2    | 6.4     | 7.7     | 4.7     | 6.1     | 1.0   | 0.5   | 66,030            |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1949      | 0                              | 0     | 0.5   | 55.0     | 18.5    | 12.5    | 3.6     | 2.6     | 0.9     | 0.8     | 0.5   | 0.2   | 5,710             |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1950      | 0                              | 0     | 2.0   | 130.0    | 13.2    | 0.1     | 1.1     | 0.3     | 0.1     | 0.7     | 0.5   | 0.3   | 8,860             |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1951      | 0                              | 0     | 0.0   | 238.0    | 279.0   | 18.9    | 8.9     | 10.0    | 3.5     | 1.4     | 1.0   | 0.5   | 33,990            |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1952      | 0                              | 0.0   | 0.3   | 216.0    | 3.8     | 0.5     | 8.0     | 4.8     | 0.8     | 0.1     | 0     | 0     | 13,980            |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1953      | 0                              | 0.0   | 23.4  | 22.2     | 0.0     | 83.2    | 147.0   | 10.0    | 1.4     | 4.6     | 2.0   | 1.0   | 17,910            |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1954      | 0.5                            | 2.0   | 7.1   | 11.7     | 13.6    | 145.0   | 174.0   | 193.0   | 208.0   | 206.0   | 195.0 | 190.0 | 81,630            |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1955      | 175.0                          | 182.0 | 187.0 | 754.0    | 1470.0  | 1242.0  | 1070.0  | 821.0   | 595.0   | 486.0   | 421.0 | 282.0 | 465,470           |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| 1956      | 208.0                          | 176.0 | 187.0 | 1027.0   | 1021.0  | 843.0   | 733.0   | 170.0   | 57.4    | 28.5    | 196.0 | 194.0 | 292,744.0         |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| TOTAL     | 536.1                          | 402.9 | 809.7 | 10,265.9 | 5,747.2 | 3,775.2 | 3,336.2 | 1,923.6 | 1,716.0 | 1,573.7 | 947.2 | 765.3 | 1,920,100         |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |
| AVER-AGE: | 12.                            | 9.    | 18.   | 223      | 125     | 82.     | 72.     | 42.     | 37.     | 34      | 20.   | 17.   | 41,741.           |                            |      |      |      |     |      |      |      |      |      |      |      |             |          |

BLACK - Recorded; RED - Estimated

RECORDED ESTIMATED







# COMPLETED

Drainage Area: 21,400 sq. mi. (Book)

## HYDROLOGIC SUMMARY

QU'APPELLE RIVER at TANTALION

sec. 16-18-32-W1

29

(River, canal, lake)

(Location)

5JM3

(Recorded or Natural)

Station Index No.

Monthly Units (c.f.s.m., g.m.s.l.)

| Year          | (Recorded or Natural) |       |       |        |        |        |        |       |       |       |       |       | TOTAL<br>Ac.Ft | cfcm<br>Year |
|---------------|-----------------------|-------|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|----------------|--------------|
|               | Jan.                  | Feb.  | Mar.  | Apr.   | May    | June   | July   | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |                |              |
| 1911          | 17                    | 16    | 18    | 72     | 180    | 256    | 314    | 113   | 190   | 226   | 24    | 74    | 91,100         |              |
| 1912          | 49                    | 28    | 19    | 609    | 812    | 578    | 737    | 436   | 1105  | 1299  | 780   | 747   | 363,500        |              |
| 1913          | 165                   | 57    | 16    | 0      | 3253   | 747    | 97     | 297   | 248   | 159   | 0     | 12    | 222,900        |              |
| 1914          | 31                    | 15    | 137   | 0      | 301    | 302    | 157    | 11    | 5     | 12    | 27    | 27    | 62,300         |              |
| 1915          | 35                    | 0     | 3     | 76     | 54     | 19     | 28     | 14    | 9     | 0     | 0     | 2     | 12,200         |              |
| 1916          | 9                     | 2     | 5     | 1280   | 426    | 290    | 561    | 54    | 45    | 53    | 53    | 12    | 175,000        |              |
| 1917          | 60                    | 39    | 12    | 352    | 570    | 430    | 257    | 59    | 6     | 12    | 19    | 74    | 111,900        |              |
| 1918          | 6                     | 8     | 0     | 118    | 80     | 80     | 33     | 0     | 11    | 5     | 5     | 4     | 21,000         |              |
| 1919          | 4                     | 2     | 0     | 477    | 31     | 17     | 2      | 0     | 0     | 0     | 1     | 6     | 32,200         |              |
| 1920          | 3                     | 2     | 2     | 528    | 463    | 343    | 149    | 66    | 30    | 23    | 20    | 15    | 99,200         |              |
| 1921          | 10                    | 5     | 28    | 386    | 286    | 147    | 127    | 65    | 61    | 86    | 84    | 38    | 80,000         |              |
| 1922          | 15                    | 8     | 32    | 1110   | 1820   | 1130   | 690    | 368   | 286   | 226   | 186   | 148   | 364,700        |              |
| 1923          | 60                    | 20    | 40    | 1072   | 1440   | 739    | 1280   | 1106  | 512   | 288   | 120   | 70    | 409,900        |              |
| 1924          | 25                    | 10    | 21    | 573    | 664    | 496    | 261    | 134   | 71    | 101   | 55    | 88    | 147,600        |              |
| 1925          | 12                    | 8     | 390   | 1950   | 1130   | 559    | 250    | 140   | 117   | 83    | 76    | 30    | 286,300        |              |
| 1926          | 25                    | 20    | 12    | 136    | 212    | 174    | 76     | 12.9  | 31.2  | 41.8  | 40    | 27    | 48,800         |              |
| 1927          | 10                    | 8     | 8     | 1135   | 1530   | 1080   | 596    | 369   | 379   | 378   | 258   | 100   | 353,900        |              |
| 1928          | 40                    | 13    | 203   | 1064   | 802    | 737    | 660    | 200   | 107   | 85    | 70    | 40    | 243,400        |              |
| 1929          | 20                    | 10    | 25    | 163    | 142    | 144    | 42     | 7     | 4.9   | 7.6   | 11    | 11    | 35,400         |              |
| 1930          | 8                     | 7     | 5     | 568    | 300    | 163    | 99     | 23    | 9.2   | 10.6  | 4     | 2     | 72,200         |              |
| 1931          | 2                     | 2     | 2     | 78     | 77     | 31.1   | 8.7    | 8.7   | 4     | 2     | 1     | 0     | 13,000         |              |
| 1932          | 16                    | 3     | 11    | 0      | 83     | 23     | 7      | 0     | 1     | 16    | 21    | 19    | 12,200         |              |
| 1933          | 14                    | 10    | 14    | 284    | 109    | 197    | 117    | 6     | 11    | 5     | 7     | 25    | 48,100         |              |
| 1934          | 26                    | 29    | 185   | 328    | 84     | 7      | 23     | 0     | 2     | 9     | 7     | 6     | 42,200         |              |
| 1935          | 10                    | 8     | 13    | 24     | 106    | 0      | 581    | 55    | 31    | 14    | 11    | 23    | 53,600         |              |
| 1936          | 27                    | 11    | 3     | 1230   | 461    | 263    | 117    | 11    | 20    | 23    | 26    | 8     | 132,200        |              |
| 1937          | 6                     | 4     | 3     | 0      | 13     | 58     | 12     | 0     | 0     | 17    | 11    | 1     | 7,500          |              |
| 1938          | 4                     | 4     | 136   | 105    | 70     | 31     | 25     | 8     | 4     | 4     | 4     | 5     | 24,300         |              |
| 1939          | 7                     | 4     | 73    | 41     | 2      | 7      | 9      | 0     | 0     | 0     | 3     | 4     | 9,100          |              |
| 1940          | 4                     | 2     | 4     | 0      | 16     | 16     | 10     | 1     | 3     | 1     | 11    | 8     | 4,500          |              |
| 1941          | 11                    | 7     | 3     | 0      | 35     | 61     | 23     | 1     | 19    | 20    | 23    | 12    | 13,000         |              |
| 1942          | 7                     | 5     | 195   | 5      | 215    | 30     | 12.6   | 172   | 112   | 21    | 15    | 10    | 48,800         |              |
| 1943          | 10                    | 8     | 42    | 1050   | 844    | 439    | 200    | 65    | 49.5  | 21    | 16    | 12    | 166,400        |              |
| 1944          | 8                     | 6     | 4     | 79     | 57     | 157    | 39.9   | 15.1  | 37.2  | 27.8  | 20    | 10    | 27,700         |              |
| 1945          | 8                     | 5     | 37    | 54     | 65     | 29.5   | 44     | 9.6   | 8.5   | 16.5  | 9     | 6     | 17,800         |              |
| 1946          | 5                     | 10    | 168   | 289    | 56     | 25.8   | 149    | 8.1   | 20.3  | 16.8  | 5     | 4     | 45,800         |              |
| 1947          | 4                     | 3     | 3     | 776    | 1000   | 646    | 393    | 29.2  | 57    | 33    | 10    | 7     | 179,100        |              |
| 1948          | 5                     | 4     | 51    | 527    | 1380   | 632    | 225    | 21.9  | 5.8   | 5.6   | 6     | 5     | 174,000        |              |
| 1949          | 4                     | 3     | 5     | 102    | 21.5   | 68     | 13.4   | 9.9   | 9.2   | 21.7  | 24.7  | 15    | 17,900         |              |
| 1950          | 10                    | 6     | 14    | 236    | 141    | 98     | 89     | 77    | 13.4  | 20.4  | 17.1  | 18.1  | 44,700         |              |
| 1951          | 23.9                  | 13.7  | 31    | 345    | 360    | 273    | 159    | 22.4  | 20.3  | 33.9  | 25.4  | 24.7  | 80,500         |              |
| 1952          | 24.7                  | 23.4  | 34.8  | 539    | 228    | 103    | 48     | 12    | 34.5  | 20.7  | 19.3  | 12.6  | 66,200         |              |
| 1953          | 11.3                  | 16.1  | 39.6  | 937    | 474    | 617    | 483    | 243   | 148   | 92    | 68    | 71    | 193,100        |              |
| 1954          | 54                    | 68    | 89    | 433    | 528    | 1400   | 2320   | 1040  | 490   | 689   | 487   | 344   | 482,400        |              |
| 1955          | 282                   | 233   | 239   | 2380   | 4760   | 2300   | 1700   | 1290  | 946   | 786   | 541   | 334   | 957,300        |              |
| 1956          | 288                   | 270   | 227   | 2100   | 3060   | 1560   | 1080   | 773   | 505   | 280   | 218   | 140   | 635,900        |              |
| TOTAL         | 1,476                 | 1,038 | 2,603 | 27,742 | 23,563 | 17,103 | 14,005 | 7,373 | 5,769 | 5,294 | 3,036 | 2,151 | 6,731,000      |              |
| AVER-<br>AGE: | 32                    | 23    | 57    | 512    | 603    | 372    | 304    | 160   | 125   | 115   | 66    | 47    | 146,326        |              |







Drainage Area: 316 (Book)

# COMPLETED

## HYDROMETRIC SUMMARY

WASKANA CREEK ---- at SEDLEY, Sask.

(Sec. 33, T13-R15-W2nd)

29

(River, canal, lake)

SJF  
4

(Location)

Recorded

c.f.s.m.

(Recorded or Natural)

Station Index No.

Monthly Units (c.f.s.m., g.m.s.l.)

| Year     | Jan. | Feb. | Mar.  | Apr.   | May   | June  | July  | Aug. | Sep. | Oct. | Nov. | Dec. | TOTAL<br>Ac.Ft | cfsm<br>Year |
|----------|------|------|-------|--------|-------|-------|-------|------|------|------|------|------|----------------|--------------|
| 1911     | 0    | 0.5  | 2.5   | 30.9   | 6.3   | 11.7  | 0.4   | 0    | 0    | 1.9  | 1.0  | 0.5  | 3,335          |              |
| 1912     | 0    | 0    | 2.0   | 38.4   | 85.8  | 7.9   | 4.0   | 0.5  | 0.2  | 0    | 0    | 0    | 8,440          |              |
| 1913     | 0    | 0    | 0     | 14.4   | 1.0   | 0.2   | 2.0   | 0.1  | 0    | 0    | 0    | 0    | 1,060          |              |
| 1914     | 0    | 0    | 0.2   | 16.9   | 0.9   | 0.5   | 0.1   | 0    | 0    | 0    | 0    | 0    | 750            |              |
| 1915     | 0    | 0    | 0     | 0.2    | 0.1   | 0.1   | 0     | 0    | 0    | 0    | 0    | 0    | 24             |              |
| 1916     | 0    | 0.5  | 4.3   | 301.5  | 23.4  | 6.6   | 1.9   | 0.4  | 0.3  | 1.9  | 1.0  | 0.5  | 20,430         |              |
| 1917     | 0    | 0    | 0     | 108.0  | 28.8  | 1.4   | 0.2   | 0    | 0    | 0.1  | 0    | 0    | 8,300          |              |
| 1918     | 0    | 0.5  | 27.9  | 9.9    | 3.6   | 0.2   | 0     | 0    | 0    | 0    | 0    | 0    | 2,570          |              |
| 1919     | 0    | 0    | 0.5   | 28.2   | 1.9   | 0.2   | 1.0   | 0    | 0    | 0.5  | 0    | 0    | 1,930          |              |
| 1920     | 0    | 0    | 3.8   | 89.4   | 22.0  | 0.6   | 0     | 0    | 0    | 0.5  | 0    | 0    | 6,970          |              |
| 1921     | 0    | 0    | 0.2   | 2.1    | 0.9   | 1.4   | 6.6   | 0.2  | 0.8  | 0.4  | 0    | 0    | 770            |              |
| 1922     | 0    | 0    | 5.9   | 93.0   | 40.5  | 5.5   | 0.8   | 0.1  | 0.1  | 0.1  | 0    | 0    | 8,780          |              |
| 1923     | 0    | 0    | 2.4   | 42.3   | 5.6   | 13.5  | 110.4 | 7.0  | 1.4  | 0.8  | 0.3  | 0    | 11,180         |              |
| 1924     | 0    | 0    | 6.5   | 55.2   | 4.7   | 0     | 0     | 0    | 0.6  | 0.3  | 0    | 0    | 4,030          |              |
| 1925     | 0    | 0.5  | 39.3  | 150.0  | 4.6   | 0     | 0     | 0    | 0.1  | 0.5  | 0    | 0    | 11,690         |              |
| 1926     | 0    | 0    | 0     | 1.0    | 0.5   | 0     | 0     | 0    | 0.2  | 0.1  | 0    | 0    | 108            |              |
| 1927     | 0    | 0    | 0     | 246.3  | 41.4  | 19.2  | 1.1   | 1.1  | 3.5  | 5.1  | 2.0  | 1.0  | 19,180         |              |
| 1928     | 0    | 0.5  | 65.1  | 60.0   | 2.6   | 3.2   | 4.6   | 0.1  | 0.1  | 0.6  | 0    | 0    | 8,280          |              |
| 1929     | 0    | 0    | 0     | 0      | 0     | 0     | 0     | 0    | 0    | 0.1  | 0    | 0    | 6              |              |
| 1930     | 0    | 0    | 0     | 20.0   | 2.5   | 0.2   | 0.1   | 0.1  | 0.5  | 0.2  | 0    | 0    | 1,410          |              |
| 1931     | 0    | 0    | 0     | 0      | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0              |              |
| 1932     | 0    | 0    | 0.2   | 1.7    | 0.5   | 0.2   | 0     | 0    | 0    | 0    | 0    | 0    | 156            |              |
| 1933     | 0    | 0    | 0     | 3.7    | 3.9   | 3.9   | 0.4   | 0    | 0    | 0    | 0    | 0    | 720            |              |
| 1934     | 0    | 0    | 0     | 3.7    | 0.1   | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 230            |              |
| 1935     | 0    | 0    | 0     | 1.6    | 2.0   | 0.1   | 0.4   | 0    | 0    | 0    | 0    | 0    | 250            |              |
| 1936     | 0    | 0    | 3.2   | 110.1  | 13.2  | 0.8   | 0.1   | 0.1  | 0.1  | 0.1  | 0    | 0    | 7,630          |              |
| 1937     | 0    | 0    | 0     | 0      | 0     | 0.2   | 0.1   | 0.1  | 0.7  | 0.8  | 0.3  | 0    | 130            |              |
| 1938     | 0    | 0    | 0.1   | 5.5    | 0.1   | 0.2   | 0.8   | 0.4  | 0.4  | 0.3  | 0    | 0    | 470            |              |
| 1939     | 0    | 0.5  | 12.3  | 11.0   | 0.2   | 0.4   | 0.1   | 0.1  | 0    | 0    | 0    | 0    | 1,490          |              |
| 1940     | 0    | 0    | 0     | 0.2    | 0.1   | 0.1   | 0.1   | 0.2  | 0.2  | 0.1  | 0    | 0    | 60             |              |
| 1941     | 0    | 0    | 1.4   | 23.9   | 10.1  | 2.9   | 2.1   | 1.2  | 0.9  | 0.8  | 0.3  | 0    | 2,630          |              |
| 1942     | 0    | 0    | 3.9   | 65.7   | 27.9  | 7.9   | 5.7   | 3.3  | 2.5  | 2.0  | 0    | 0    | 7,280          |              |
| 1943     | 0    | 0    | 7.3   | 121.8  | 51.8  | 14.6  | 10.6  | 6.2  | 4.6  | 3.7  | 1.0  | 0.5  | 13,370         |              |
| 1944     | 0    | 0    | 0.0   | 0.7    | 0.0   | 0.0   | 0     | 0    | 0    | 0    | 0    | 0    | 40             |              |
| 1945     | 0    | 0    | 0.0   | 0.2    | 0.6   | 0.8   | 1.2   | 0.5  | 0.2  | 0.2  | 0    | 0    | 225            |              |
| 1946     | 0    | 0    | 22.4  | 5.9    | 0.0   | 0.0   | 2.8   | 1.3  | 1.5  | 1.8  | 1.0  | 0.5  | 3,820          |              |
| 1947     | 0    | 0    | 0.0   | 250.0  | 14.0  | 4.6   | 2.7   | 2.3  | 2.0  | 1.8  | 0.5  | 0.5  | 16,610         |              |
| 1948     | 0    | 0    | 0.0   | 235.0  | 35.0  | 0.9   | 1.8   | 1.3  | 1.0  | 1.7  | 0.5  | 0.0  | 16,570         |              |
| 1949     | 0    | 0    | 0.0   | 2.7    | 0.0   | 0.0   | 2.9   | 2.0  | 1.8  | 1.9  | 1.0  | 0.5  | 780            |              |
| 1950     | 0    | 0    | 0.0   | 37.2   | 0.6   | 10.1  | 2.8   | 1.9  | 2.2  | 2.1  | 1.0  | 0.5  | 3,490          |              |
| 1951     | 0    | 0    | 0.0   | 138.0  | 46.0  | 0.0   | 2.4   | 1.1  | 5.3  | 3.9  | 2.0  | 0.5  | 11,960         |              |
| 1952     | 0    | 0    | 1.0   | 97.0   | 0.10  | 0     | 3.2   | 2.5  | 2.8  | 2.1  | 1.0  | 1.0  | 6,610          |              |
| 1953     | 0.5  | 0.5  | 9.8   | 51.7   | 3.5   | 297.0 | 30.8  | 17.3 | 5.4  | 2.5  | 1.5  | 1.0  | 25,210         |              |
| 1954     | 0.5  | 0    | 0.3   | 26.2   | 0.5   | 36.8  | 7.8   | 9.4  | 5.9  | 3.8  | 2.0  | 0.5  | 9,940          |              |
| 1955     | 0    | 0    | 0     | 170.0  | 68.7  | 0.9   | 15.0  | 0.4  | 0.2  | 0    | 0    | 0    | 15,350         |              |
| 1956     | 0    | 0    | 0     | 297.0  | 21.8  | 35.0  | 5.2   | 0.6  | 0.3  | 0    | 0    | 0    | 21,470         |              |
| TOTAL    | 1.0  | 3.5  | 222.5 | 2962.2 | 577.8 | 489.8 | 327.6 | 61.8 | 45.8 | 42.7 | 16.4 | 7.5  | 285,700        |              |
| AVERAGE: | 0.0  | 0.1  | 4.8   | 64.3   | 12.5  | 10.6  | 7.1   | 1.4  | 1.0  | 0.9  | 0.3  | 0.2  | 6,210          |              |

(Total - 46 yrs) RED - Estimated; BLACK - Recorded.

RECORDED ESTIMATED







WASKANA CREEK - Above Junction Qu'Appelle, Sask.

Sec 30-19-21-W2

(River, canal, lake)

(Location)

29

5JF<sub>5</sub>

(Recorded or Natural)

Station Index No.

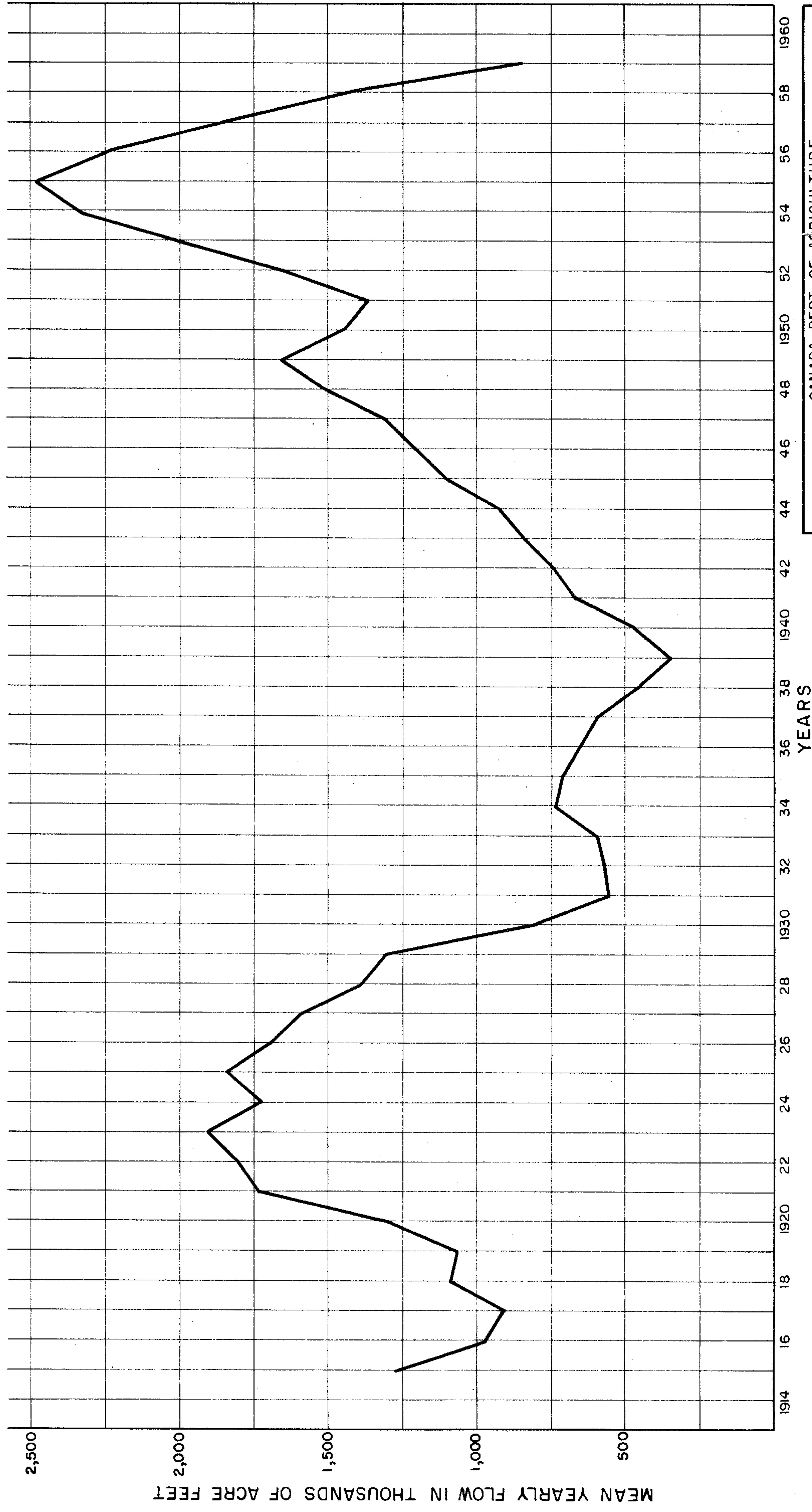
Monthly Units (c.f.s.m., g.m.s.l.)

| Year          | (Recorded or Natural) |      |       |          |         |       |         |       |       |       |       |      | TOTAL<br>Ac.Ft | cfs<br>Year |
|---------------|-----------------------|------|-------|----------|---------|-------|---------|-------|-------|-------|-------|------|----------------|-------------|
|               | Jan.                  | Feb. | Mar.  | Apr.     | May     | June  | July    | Aug.  | Sep.  | Oct.  | Nov.  | Dec. |                |             |
| 1911          | 2.                    | 1.   | 10.5  | 131.5    | 26.7    | 49.8  | 1.2     | 0.1   | 0.1   | 8.    | 5.    | 3.   | 14,350         |             |
| 1912          | 2.                    | 1.   | 8.4   | 163.5    | 365.2   | 33.7  | 16.9    | 1.9   | 0.6   | 1.3   | 1.    | 1.   | 36,280         |             |
| 1913          | 0.5                   | 0    | 0     | 61.3     | 4.5     | 0.8   | 8.6     | 0.4   | 0.1   | 0.1   | 0     | 0    | 4,570          |             |
| 1914          | 0                     | 0    | 0.9   | 46.4     | 4.      | 2.3   | 0.3     | 0     | 0     | 0     | 0     | 0    | 3,220          |             |
| 1915          | 0                     | 0    | 0     | 1.       | 0.3     | 0.3   | 0.1     | 0     | 0     | 0     | 0     | 0    | 100            |             |
| 1916          | 0                     | 0.5  | 18.3  | 283.4    | 99.6    | 28.1  | 8.0     | 1.8   | 1.4   | 8.0   | 4.    | 2.   | 86,850         |             |
| 1917          | 1.                    | 0    | 0     | 459.7    | 122.6   | 5.9   | 0.8     | 0.1   | 0.1   | 0.5   | 0.3   | 0    | 35,400         |             |
| 1918          | 0                     | 2.0  | 118.8 | 42.1     | 15.5    | 0.8   | 0.1     | 0     | 0     | 0     | 0     | 0    | 10,930         |             |
| 1919          | 0                     | 0    | 2.3   | 120.     | 8.      | 0.9   | 4.5     | 6     | 0     | 2.2   | 1.5   | 1.   | 8,390          |             |
| 1920          | 1                     | 0.5  | 16.1  | 380.5    | 93.9    | 2.4   | 0.1     | 0.1   | 0.1   | 2.3   | 1.5   | 1.   | 29,950         |             |
| 1921          | 0.5                   | 0    | 0.8   | 8.9      | 3.7     | 5.7   | 28.1    | 0.9   | 3.4   | 1.8   | 1.    | 0.5  | 3,360          |             |
| 1922          | 0.5                   | 0.5  | 25.3  | 395.9    | 172.4   | 23.2  | 3.4     | 0.5   | 0.3   | 0.4   | 0.5   | 0.3  | 37,480         |             |
| 1923          | 0.3                   | 0.5  | 10.1  | 180.1    | 23.6    | 57.6  | 469.9   | 29.9  | 6.    | 3.2   | 1.    | 0.5  | 47,640         |             |
| 1924          | 0.5                   | 0.5  | 27.5  | 235.     | 19.8    | 0     | 0       | 0     | 2.7   | 1.1   | 1.    | 1.   | 17,300         |             |
| 1925          | 1.                    | 2.   | 167.3 | 641.1    | 19.7    | 0     | 0       | 0     | 0.3   | 2.3   | 1.    | 0.5  | 50,070         |             |
| 1926          | 0                     | 0    | 0     | 4.5      | 1.9     | 0     | 0       | 0     | 1.    | 0.5   | 0.5   | 0    | 510            |             |
| 1927          | 0                     | 0    | 0     | 1048.4   | 176.2   | 81.7  | 4.6     | 4.9   | 14.9  | 21.7  | 10.   | 6.   | 81,840         |             |
| 1928          | 5.                    | 4.   | 277.1 | 255.4    | 11.1    | 13.7  | 19.4    | 0.5   | 0.4   | 2.7   | 1.5   | 1.   | 35,840         |             |
| 1929          | 0.5                   | 0    | 0     | 0        | 0       | 0     | 0       | 0     | 0     | 0.5   | 0.5   | 0    | 90             |             |
| 1930          | 0                     | 0    | 0     | 86.8     | 10.6    | 0.6   | 0.4     | 0.3   | 1.9   | 0.8   | 0.5   | 0    | 6,090          |             |
| 1931          | 0                     | 0    | 1.    | 0        | 0       | 0     | 0       | 0     | 0     | 0     | 0     | 0    | 60             |             |
| 1932          | 0                     | 0    | 0.8   | 7.       | 2.      | 0.8   | 0       | 0     | 0     | 0     | 0     | 0    | 640            |             |
| 1933          | 0                     | 0    | 0     | 15.6     | 16.7    | 16.6  | 1.7     | 0     | 0     | 0     | 0     | 0    | 3,050          |             |
| 1934          | 0                     | 0    | 0     | 15.8     | 0.5     | 0.1   | 0       | 0     | 0     | 0     | 0     | 0    | 970            |             |
| 1935          | 0                     | 0    | 0     | 6.6      | 8.7     | 0.5   | 1.5     | 1.5   | 0     | 0     | 0     | 0    | 1,140          |             |
| 1936          | 0                     | 1.   | 13.7  | 468.7    | 56.3    | 3.3   | 0.3     | 0.4   | 0.5   | 0.3   | 0.3   | 0    | 32,550         |             |
| 1937          | 0                     | 0    | 0.1   | 0        | 0.1     | 0.8   | 0.5     | 0.4   | 3.1   | 3.6   | 2.    | 1.   | 700            |             |
| 1938          | 1                     | 0.5  | 0.5   | 23.2     | 0.5     | 1.    | 3.3     | 1.7   | 1.5   | 1.4   | 1.    | 0.5  | 2,160          |             |
| 1939          | 0.5                   | 1.   | 52.5  | 46.7     | 0.6     | 1.8   | 0.3     | 0.4   | 0     | 0     | 0     | 0    | 6,280          |             |
| 1940          | 0                     | 0    | 0.1   | 0.6      | 0.3     | 0.5   | 0.5     | 0.6   | 1.0   | 0     | 0     | 0    | 220            |             |
| 1941          | 0                     | 1.   | 6.1   | 101.6    | 43.2    | 12.1  | 8.8     | 5.2   | 3.8   | 3.2   | 2.0   | 1.   | 11,320         |             |
| 1942          | 1.                    | 1.5  | 16.7  | 279.3    | 118.9   | 33.4  | 24.3    | 14.2  | 10.6  | 8.6   | 5.    | 3.   | 31,100         |             |
| 1943          | 2.                    | 2.   | 31.   | 517.8    | 220.4   | 61.9  | 45.     | 26.3  | 19.7  | 15.9  | 10.   | 7.   | 57,740         |             |
| 1944          | 2.                    | 0.5  | 0     | 0        | 0       | 0.6   | 0.1     | 0     | 0     | 0     | 0     | 0    | 190            |             |
| 1945          | 0.5                   | 0    | 10.9  | 11.5     | 11.7    | 6.5   | 5.3     | 2.    | 1.    | 1.    | 1.    | 1.   | 3,180          |             |
| 1946          | 1.                    | 3.   | 57.   | 28.      | 8.5     | 11.8  | 11.8    | 5.5   | 6.2   | 7.5   | 5.    | 3.   | 9,000          |             |
| 1947          | 2.                    | 1.   | 0.6   | 712.     | 129.    | 36.5  | 11.6    | 10.   | 8.4   | 7.8   | 4.    | 2.   | 55,350         |             |
| 1948          | 2.                    | 2.   | 1.5   | 710.     | 442.    | 18.8  | 7.8     | 5.5   | 4.2   | 7.2   | 4.    | 1.   | 72,680         |             |
| 1949          | 1.5                   | 1.5  | 7.6   | 28.9     | 25.2    | 14.7  | 12.1    | 8.5   | 7.6   | 8.0   | 5.    | 2.   | 7,420          |             |
| 1950          | 2.                    | 2.   | 9.2   | 177.     | 52.     | 14.   | 12.     | 7.9   | 9.2   | 9.    | 7.    | 5.   | 18,410         |             |
| 1951          | 3.                    | 2.   | 4.    | 280.     | 294.    | 46.4  | 10.2    | 4.9   | 22.4  | 16.6  | 10.   | 8.   | 42,410         |             |
| 1952          | 6.                    | 5.   | 5.    | 342.     | 44.     | 14.8  | 13.4    | 10.5  | 12.   | 9.1   | 6.    | 5.   | 28,310         |             |
| 1953          | 3.                    | 3.   | 52.1  | 202.     | 53.5    | 134.  | 131.    | 73.4  | 23.1  | 10.6  | 8.    | 5.   | 42,220         |             |
| 1954          | 4.                    | 3.   | 10.8  | 70.4     | 50.3    | 88.2  | 33.2    | 39.9  | 24.9  | 16.1  | 10.   | 8.   | 21,660         |             |
| 1955          | 6.                    | 5.   | 9.2   | 708.     | 647.    | 48.6  | 212.    | 49.4  | 19.2  | 13.7  | 9.    | 7.   | 105,040        |             |
| 1956          | 5.                    | 3.   | 7.    | 1078.    | 247.    | 54.5  | 47.2    | 21.2  | 14.4  | 14.9  | 9.    | 6.   | 90,370         |             |
| TOTAL         | 57.3                  |      | 980.8 |          | 3,651.7 |       | 1,160.8 |       | 226.1 |       | 129.1 |      | 1,154,400      |             |
|               |                       | 50.5 |       | 11,376.2 |         | 929.7 |         | 330.8 |       | 211.7 |       | 83.3 |                |             |
| AVER-<br>AGE: | 1.2                   | 1.1  | 21.3  | 247.3    | 79.4    | 20.2  | 25.2    | 7.2   | 4.9   | 4.6   | 2.8   | 1.8  | 25,095.7       |             |









CANADA DEPT. OF AGRICULTURE  
P.F.R.A. HYDROLOGY DIVISION

# 5 YEAR MOVING MEAN FLOW

## ASSINIBOINE RIVER

### AT

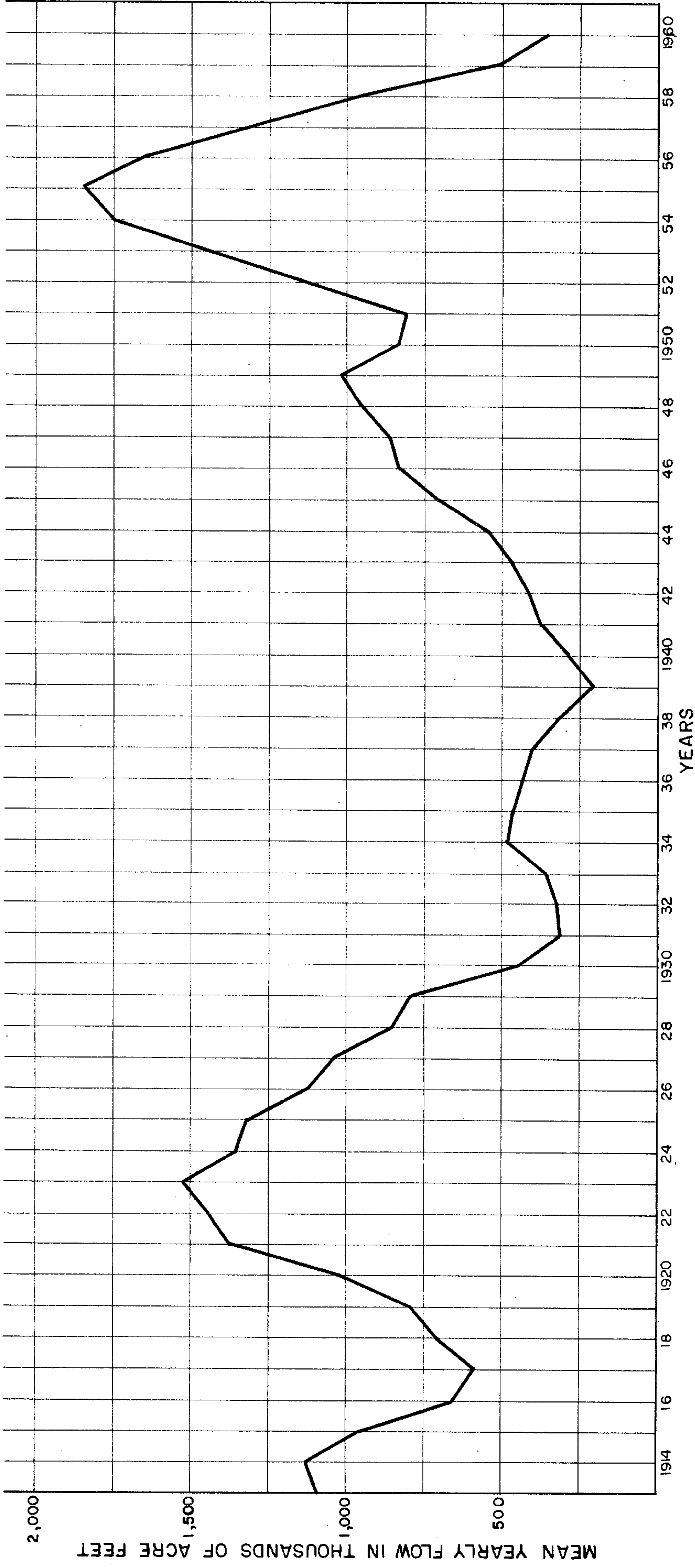
## HEADINGLEY 5MJ1

PREPARED BY: W.L. KREUDER  
DRAWN BY: P.O. MEID

OCT. 1963

HYD-A-463 FIG-3





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# 5 YEAR MOVING MEAN FLOW ASSINIBOINE RIVER AT BRANDON 5MH1

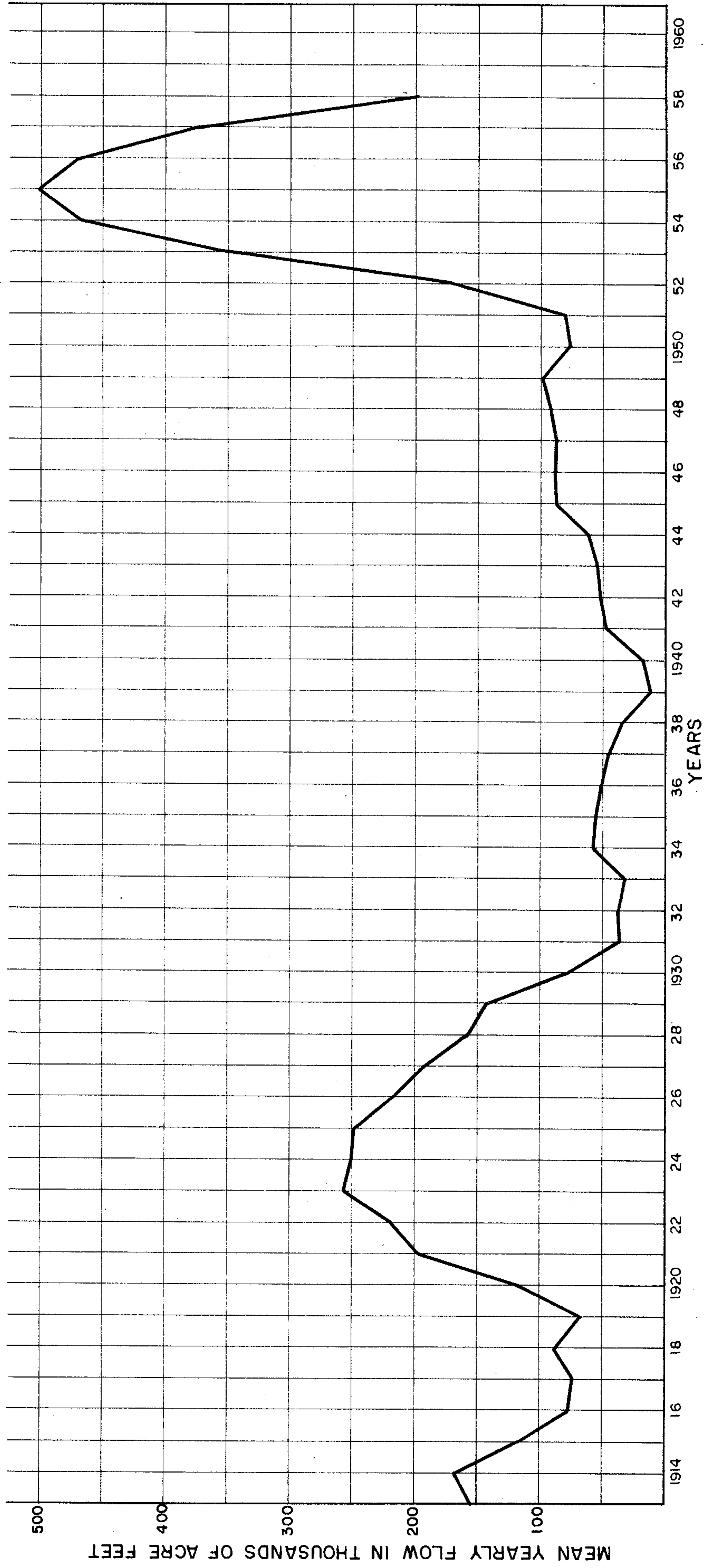
PREPARED BY: W. L. KREUDER

OCT. 1963

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HYD-A-464 FIG-4





NOTE:  
 Records for years 1911-19, 1932-41  
 are reconstructed.

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# 5 YEAR MOVING MEAN FLOW

## QU'APPELLE RIVER

### AT

### TANTALLON 5JM3

PREPARED BY: W.L. KREUDER

OCT. 1963

DRAWN BY: P.O. MEID

HYD-A-465 FIG-5