

Table 99.—Daily Discharge Records of Vermilion River below Lake Vermilion, near Tower, Minnesota—Continued.

1912.

| Day. | January.      |            | February.     |            | March.        |            | April.        |            | May.          |            | June.         |            |
|------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|
|      | Gauge Height. | Discharge. | Gauge Height. | Discharge. | Gauge Height. | Discharge. | Gauge Height. | Discharge. | Gauge Height. | Discharge. | Gauge Height. | Discharge. |
|      | Feet.         | Sec.-ft.   | Feet.         | Sec.-ft.   | Feet.         | Sec.-ft.   | Feet.         | Sec.-ft.   | Feet.         | Sec.-ft.   | Feet.         | Sec.-ft.   |
| 1    | 0.70          | 130        | 0.65          | 122        | 0.54          | 106        | 0.45          | 93         | 1.10          | 208        | 2.00          | 540        |
| 2    | 0.70          | 130        | 0.65          | 122        | 0.52          | 103        | 0.45          | 93         | 1.20          | 231        | 2.00          | 540        |
| 3    | 0.70          | 130        | 0.65          | 122        | 0.52          | 103        | 0.45          | 93         | 1.30          | 257        | 2.00          | 540        |
| 4    | 0.70          | 130        | 0.65          | 122        | 0.52          | 103        | 0.45          | 93         | 1.40          | 287        | 1.95          | 515        |
| 5    | 0.70          | 130        | 0.65          | 122        | 0.52          | 103        | 0.45          | 93         | 1.50          | 321        | 1.95          | 515        |
| 6    | 0.70          | 130        | 0.65          | 122        | 0.52          | 103        | 0.45          | 93         | 1.60          | 358        | 1.95          | 515        |
| 7    | 0.70          | 130        | 0.65          | 122        | 0.52          | 103        | 0.45          | 93         | 1.70          | 398        | 1.90          | 490        |
| 8    | 0.70          | 130        | 0.65          | 122        | 0.50          | 100        | 0.48          | 97         | 1.75          | 420        | 1.90          | 490        |
| 9    | 0.70          | 130        | 0.65          | 122        | 0.50          | 100        | 0.50          | 100        | 1.80          | 442        | 1.90          | 490        |
| 10   | 0.70          | 130        | 0.65          | 122        | 0.50          | 100        | 0.50          | 100        | 1.90          | 490        | 1.90          | 490        |
| 11   | 0.70          | 130        | 0.64          | 120        | 0.50          | 100        | 0.50          | 100        | 1.90          | 490        | 1.95          | 515        |
| 12   | 0.70          | 130        | 0.63          | 119        | 0.50          | 100        | 0.52          | 103        | 2.00          | 540        | 1.95          | 515        |
| 13   | 0.70          | 130        | 0.63          | 119        | 0.50          | 100        | 0.54          | 106        | 2.00          | 540        | 1.90          | 490        |
| 14   | 0.70          | 130        | 0.62          | 117        | 0.46          | 94         | 0.55          | 107        | 2.05          | 568        | 1.85          | 466        |
| 15   | 0.70          | 130        | 0.62          | 117        | 0.44          | 92         | 0.55          | 107        | 2.05          | 568        | 1.85          | 466        |
| 16   | 0.70          | 130        | 0.61          | 116        | 0.42          | 89         | 0.55          | 107        | 2.05          | 568        | 1.80          | 442        |
| 17   | 0.70          | 130        | 0.61          | 116        | 0.42          | 89         | 0.57          | 110        | 2.05          | 568        | 1.80          | 442        |
| 18   | 0.68          | 127        | 0.60          | 114        | 0.42          | 89         | 0.60          | 114        | 2.05          | 568        | 1.80          | 442        |
| 19   | 0.68          | 127        | 0.60          | 114        | 0.42          | 89         | 0.63          | 119        | 2.10          | 595        | 1.80          | 442        |
| 20   | 0.68          | 127        | 0.60          | 114        | 0.42          | 89         | 0.65          | 122        | 2.10          | 595        | 1.75          | 420        |
| 21   | 0.68          | 127        | 0.60          | 114        | 0.42          | 89         | 0.68          | 127        | 2.10          | 595        | 1.75          | 420        |
| 22   | 0.65          | 122        | 0.60          | 114        | 0.42          | 89         | 0.70          | 130        | 2.10          | 595        | 1.75          | 420        |
| 23   | 0.65          | 122        | 0.60          | 114        | 0.42          | 89         | 0.70          | 130        | 2.05          | 568        | 1.75          | 420        |
| 24   | 0.65          | 122        | 0.60          | 114        | 0.42          | 89         | 0.70          | 130        | 2.05          | 568        | 1.70          | 398        |
| 25   | 0.65          | 122        | 0.60          | 114        | 0.42          | 89         | 0.75          | 139        | 2.05          | 568        | 1.70          | 398        |
| 26   | 0.65          | 122        | 0.60          | 114        | 0.43          | 90         | 0.80          | 148        | 2.05          | 568        | 1.65          | 378        |
| 27   | 0.65          | 122        | 0.58          | 111        | 0.44          | 92         | 0.85          | 158        | 2.05          | 568        | 1.65          | 378        |
| 28   | 0.65          | 122        | 0.56          | 108        | 0.45          | 93         | 0.85          | 158        | 2.00          | 540        | 1.60          | 358        |
| 29   | 0.65          | 122        | 0.54          | 106        | 0.45          | 93         | 0.90          | 167        | 2.00          | 540        | 1.55          | 340        |
| 30   | 0.65          | 122        | .....         | .....      | 0.45          | 93         | 0.95          | 17         | .....         | 540        | 1.55          | 340        |
| 31   | 0.65          | 122        | .....         | .....      | 0.45          | 93         | .....         | .....      | .....         | 540        | .....         | .....      |

|    | July.         |            | August.       |            | September.    |            | October.      |            | November.     |            | December.     |            |
|----|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|
|    | Gauge Height. | Discharge. | Gauge Height. | Discharge. | Gauge Height. | Discharge. | Gauge Height. | Discharge. | Gauge Height. | Discharge. | Gauge Height. | Discharge. |
|    | Feet.         | Sec.-ft.   | Feet.         | Sec.-ft.   | Feet.         | Sec.-ft.   | Feet.         | Sec.-ft.   | Feet.         | Sec.-ft.   | Feet.         | Sec.-ft.   |
| 1  | 1.55          | 340        | 0.65          | 122        | 0.55          | 107        | 0.60          | 114        | 0.50          | 98         | 0.50          | 98         |
| 2  | 1.50          | 321        | 0.65          | 122        | 0.55          | 107        | 0.60          | 114        | 0.50          | 98         | 0.50          | 98         |
| 3  | 1.50          | 321        | 0.65          | 122        | 0.55          | 107        | 0.60          | 114        | 0.50          | 98         | 0.50          | 98         |
| 4  | 1.45          | 304        | 0.60          | 114        | 0.55          | 107        | 0.60          | 114        | 0.50          | 98         | 0.50          | 98         |
| 5  | 1.40          | 287        | 0.60          | 114        | 0.60          | 114        | 0.60          | 114        | 0.50          | 98         | 0.50          | 98         |
| 6  | 1.40          | 287        | 0.60          | 114        | 0.60          | 114        | 0.60          | 114        | 0.50          | 98         | 0.50          | 98         |
| 7  | 1.40          | 287        | 0.60          | 114        | 0.60          | 114        | 0.60          | 114        | 0.50          | 98         | 0.50          | 98         |
| 8  | 1.35          | 272        | 0.60          | 114        | 0.60          | 114        | 0.60          | 114        | 0.50          | 98         | 0.50          | 98         |
| 9  | 1.35          | 272        | 0.55          | 107        | 0.60          | 114        | 0.60          | 114        | 0.50          | 98         | 0.50          | 98         |
| 10 | 1.30          | 257        | 0.55          | 107        | 0.60          | 114        | 0.60          | 114        | 0.50          | 98         | 0.50          | 98         |
| 11 | 1.25          | 244        | 0.55          | 107        | 0.60          | 114        | 0.60          | 114        | 0.50          | 98         | 0.50          | 98         |
| 12 | 1.25          | 244        | 0.55          | 107        | 0.60          | 114        | 0.60          | 114        | 0.50          | 98         | 0.50          | 98         |
| 13 | 1.25          | 244        | 0.55          | 107        | 0.60          | 114        | 0.60          | 114        | 0.50          | 98         | 0.50          | 98         |
| 14 | 1.30          | 257        | 0.50          | 100        | 0.60          | 114        | 0.60          | 114        | 0.50          | 98         | 0.50          | 98         |
| 15 | 1.25          | 244        | 0.50          | 100        | 0.60          | 114        | 0.60          | 114        | 0.50          | 98         | 0.50          | 98         |
| 16 | 1.25          | 244        | 0.50          | 100        | 0.60          | 114        | 0.60          | 114        | 0.50          | 98         | 0.50          | 98         |
| 17 | 1.25          | 244        | 0.50          | 100        | 0.60          | 114        | 0.60          | 114        | 0.50          | 98         | 0.50          | 98         |
| 18 | 0.80          | 148        | 0.50          | 100        | 0.60          | 114        | 0.60          | 114        | 0.50          | 98         | 0.50          | 98         |
| 19 | 0.80          | 148        | 0.50          | 100        | 0.60          | 114        | 0.60          | 114        | 0.50          | 98         | 0.50          | 98         |
| 20 | 0.70          | 130        | 0.50          | 100        | 0.60          | 114        | 0.55          | 106        | 0.50          | 98         | 0.50          | 98         |
| 21 | 0.70          | 130        | 0.50          | 100        | 0.60          | 114        | 0.55          | 106        | 0.50          | 98         | 0.50          | 98         |
| 22 | 0.70          | 130        | 0.50          | 100        | 0.60          | 114        | 0.55          | 106        | 0.50          | 98         | 0.50          | 98         |
| 23 | 0.70          | 130        | 0.50          | 100        | 0.60          | 114        | 0.55          | 106        | 0.50          | 98         | 0.50          | 98         |
| 24 | 0.70          | 130        | 0.50          | 100        | 0.60          | 114        | 0.55          | 106        | 0.50          | 98         | 0.50          | 98         |
| 25 | 0.65          | 122        | 0.50          | 100        | 0.60          | 114        | 0.55          | 106        | 0.50          | 98         | 0.50          | 98         |
| 26 | 0.65          | 122        | 0.55          | 107        | 0.60          | 114        | 0.55          | 106        | 0.50          | 98         | 0.50          | 98         |
| 27 | 0.65          | 122        | 0.55          | 107        | 0.60          | 114        | 0.55          | 106        | 0.50          | 98         | 0.50          | 98         |
| 28 | 0.65          | 122        | 0.55          | 107        | 0.60          | 114        | 0.55          | 106        | 0.50          | 98         | 0.50          | 98         |
| 29 | 0.65          | 122        | 0.55          | 107        | 0.60          | 114        | 0.55          | 106        | 0.50          | 98         | 0.50          | 98         |
| 30 | 0.65          | 122        | 0.55          | 107        | 0.60          | 114        | 0.55          | 106        | 0.50          | 98         | 0.50          | 98         |
| 31 | 0.65          | 122        | 0.55          | 107        | .....         | .....      | 0.55          | 106        | .....         | .....      | 0.50          | 98         |