

Water Resources Data for Wisconsin Water Year 1975



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT WI-75-1

**Prepared in cooperation with the State of Wisconsin
and with other agencies**

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| 16. Abstracts Water-resources data for the 1975 water year for Wisconsin include records of streamflow at gaging stations, partial-record stations, and miscellaneous sites; records of reservoir storage, records of chemical, physical, and biological characteristics of surface water, ground water, and precipitation; and records of water levels in observation wells. Records for a few gaging stations in bordering states also are included. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Wisconsin. | | | |
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Table 4.--Factors for Converting English Units to International System (SI) Units

The following factors may be used to convert the English units published herein to the International System of Units (SI). Subsequent reports will contain both the English and SI unit equivalents in the station manuscript descriptions until such time that all data will be published in SI units.

| Multiply English units | By | To obtain SI units |
|---|------------------------|--|
| Length | | |
| inches (in) | 25.4 | millimeters (mm) |
| | .0254 | meters (m) |
| feet (ft) | .3048 | meters (m) |
| miles (mi) | 1.609 | kilometers (km) |
| Area | | |
| acres | 4047 | square meters (m ²) |
| square miles (mi ²) | 2.590 | square kilometers (km ²) |
| Volume | | |
| cubic feet (ft ³) | .02832 | cubic meters (m ³) |
| cfs-day {(ft ³ /s)-d} | 2447 | cubic meters (m ³) |
| acre-feet (acre-ft) | 1233 | cubic meters (m ³) |
| | 1.233x10 ⁻³ | cubic hectometers (hm ³) |
| Flow | | |
| cubic feet per second (ft ³ /s) | .02832 | cubic meters per second (m ³ /s) |
| million gallons per day (mgd) | .04381 | cubic meters per second (m ³ /s) |
| Mass | | |
| ton (short) | .9072 | tonne (t) |

FIGURE 1. LAKE AND STREAM-GAGING STATIONS IN WISCONSIN



SECTION 1. SURFACE WATER RECORDS

HYDROLOGIC CONDITIONS

Runoff for the 1975 water year was below normal in northern and central Wisconsin. In the remainder of the state, annual runoff exceeded the long-term average runoff up to 160 percent (see figure 2). Intense rainfall and thunderstorms occurred during August 22 in west-central Wisconsin. Many small streams overflowed their banks causing property damage. Streets, business establishments, and homes in the town of Arcadia were damaged by flood waters of the Trempealeau River which reached a record high flow of 15,900 ft³/s (450 m³/s).

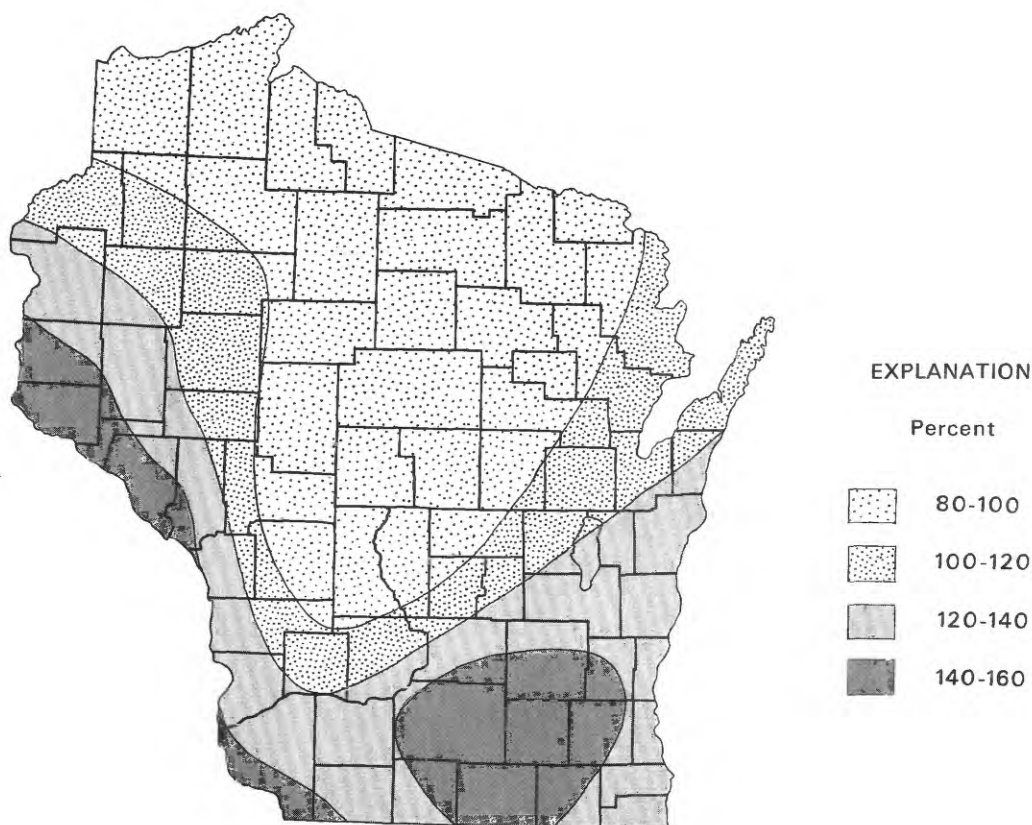


Figure 2. 1975 runoff as percent of long-term average runoff.

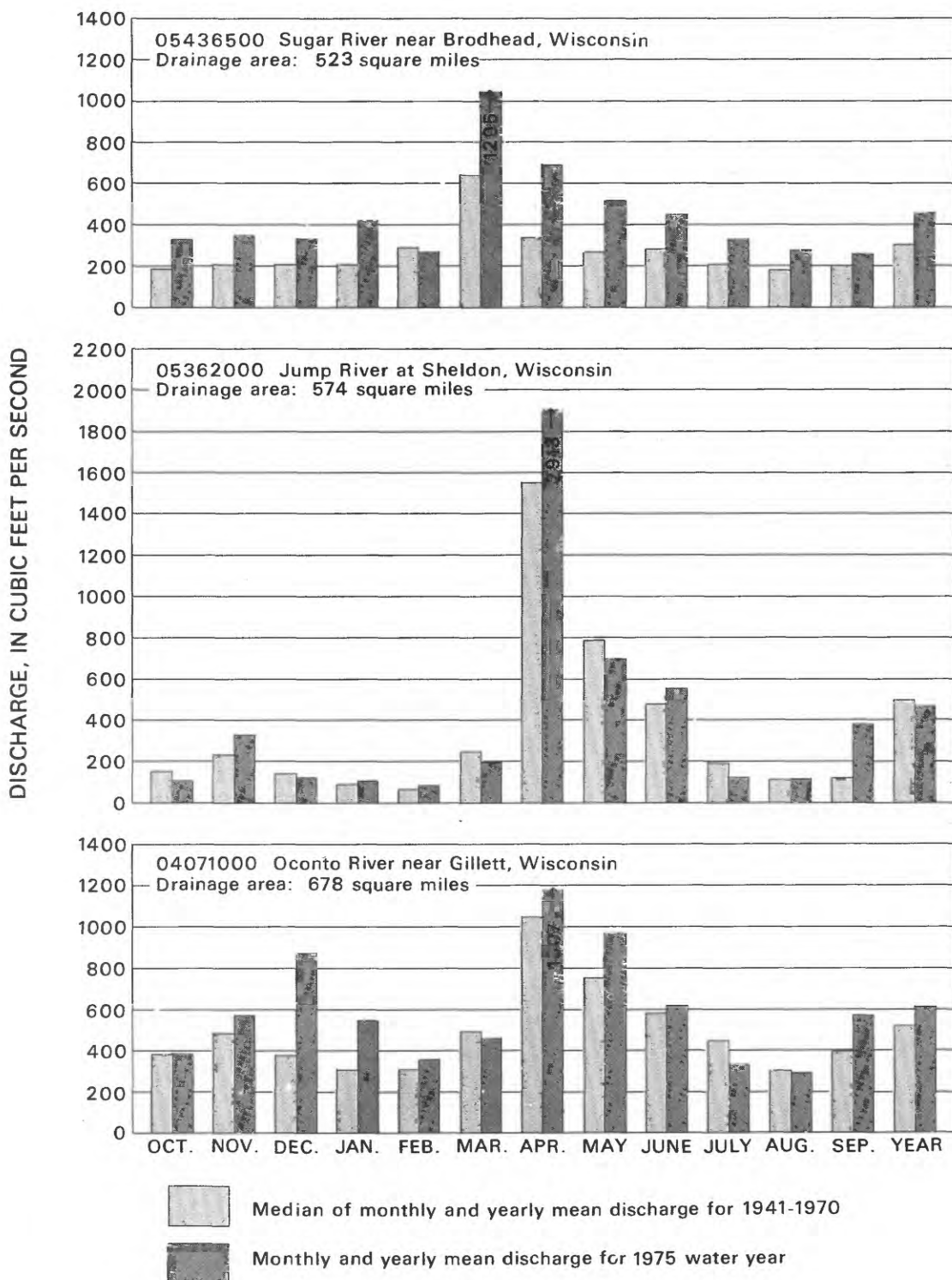


Figure 3. Comparison of discharge at representative gaging stations during 1975 water year with median discharge for 1941-1970.

LAKE STAGE, IN FEET, ABOVE AN ASSUMED DATUM.

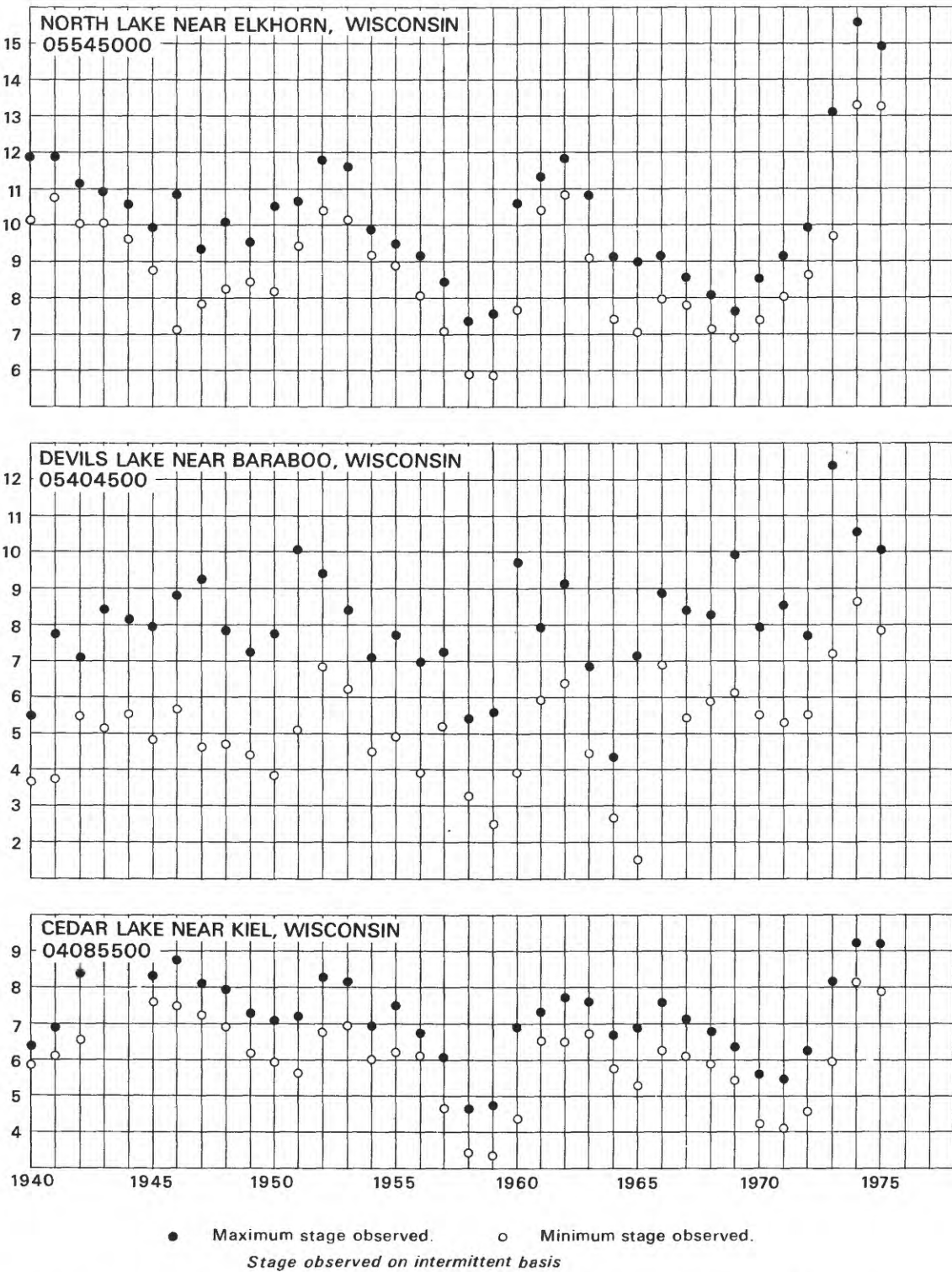


Figure 4. A comparison of extremes of stage of three southern lakes with no surface outlet for each water year since 1940.

SECTION 2. WATER QUALITY RECORDS

STATIONS IN WISCONSIN

1975 WATER YEAR

EXPLANATION

- Biological-measurement site
- Chemical-measurement site
- Sediment-measurement site
- Temperature-measurement site
- Area of 3 to 25 sites
- Station number
No station number assigned to lake stations
- St. Lawrence River basin (Part 4)
- Mississippi River basin (Part 5)

Waushara County
Precipitation Station

CALENDAR FOR WATER YEAR 1975

1974

OCTOBER

| S | M | T | W | T | F | S |
|----|----|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | | |

NOVEMBER

| S | M | T | W | T | F | S |
|----|----|----|----|----|----|----|
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |

DECEMBER

| S | M | T | W | T | F | S |
|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | | | | |

1975

JANUARY

| S | M | T | W | T | F | S |
|----|----|----|----|----|----|----|
| | | | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 | |

FEBRUARY

| S | M | T | W | T | F | S |
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| | | | | | | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | |

MARCH

| S | M | T | W | T | F | S |
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| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | 31 | | | | | |

APRIL

| S | M | T | W | T | F | S |
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| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
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| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | | | |

MAY

| S | M | T | W | T | F | S |
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| 25 | 26 | 27 | 28 | 29 | 30 | 31 |

JUNE

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| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | | | | | |

JULY

| S | M | T | W | T | F | S |
|----|----|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 |
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| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | | |

AUGUST

| S | M | T | W | T | F | S |
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| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | | | | | | |

SEPTEMBER

| S | M | T | W | T | F | S |
|----|----|----|----|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | | | | |

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