

MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS

TO: NATIONAL WEATHER SERVICE (W/OS31)
HYDROMETEOROLOGICAL INFO CENTER
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SIGNATURE:
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When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (WSOM E-41).

An X inside this box indicates that no significant flooding occurred within this Hydrologic Service Area.

Summary

No significant flooding occurred during the month of January in our Hydrologic Service Area (HSA).

Flood Conditions

None occurred during the month of January.

Flood Stage Report

No rivers exceeded flood stage during the month of January.

River Conditions

River levels across the Grand Rapids HSA by the end of January were significantly above normal in Southwest Lower Michigan. The rivers are still recovering from a wet December, and although above normal, are on a downward trend. During the month of January, ice was beginning to impact flows on area rivers and impact river readings.

General Hydrologic Information

For the month of January, precipitation totals were above normal for Grand Rapids and Lansing and below normal for Muskegon, Michigan. Temperatures for the month of January were above normal.

January precipitation totals at Grand Rapids, Lansing, and Muskegon, were 2.19, 2.13, and 1.94 inches, respectively. Precipitation for the month at these three sites were 0.16 of an inch above normal at Grand Rapids, 0.52 of an inch above normal at Lansing, and 0.28 of an inch below normal at Muskegon, Michigan.

January snowfall totals at first order stations across our HSA were below normal for Grand Rapids (-5.7”), Lansing (-5.2”), and Muskegon (-14.6”), Michigan. January snowfall totals at Grand Rapids, Lansing, and Muskegon, were 15.4”, 8.8”, and 19.8”,

respectively. At the end of the month the snow depth was 4” in Grand Rapids, 5” in Lansing, and 11” in Muskegon, Michigan.

Temperatures for the month of January were above normal at Grand Rapids, Lansing, and Muskegon, with average monthly departures of +4.9, +4.8 and +5.5 degrees Fahrenheit, respectively.

Soil Temperatures across the HSA were below freezing, and at 2 inches ranged from 30 degrees Fahrenheit at Baldwin, Michigan to 31 degrees Fahrenheit at Grand Rapids, Michigan. Frost depths were approximately 2” across the HSA.

Hydrologic Products issued this month:

- 2 Hydrologic Outlooks (ARBESFGRR) were issued
- 53 Hydrologic Statements (ARBRVSGRR) were issued
- 31 Hydrologic Summary's (ARBRVAGRR) were issued