

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 May in our Hydrologic Service Area (HSA). During the month of May, urban and small stream flood advisories were issued for Calhoun, Gratiot, Kent, Allegan, Barry, Kalamazoo, Van Buren, Clinton, Ingham, and Eaton Counties in Southwest Lower Michigan. During the advisories a few secondary roads flooded for a short period and small creeks and streams had significant rises, but no significant property damage was reported.

Flood Conditions

On May 10th, urban and small stream flood advisories were issued for Kalamazoo, Gratiot, Calhoun, Clinton, Ingham, and Eaton Counties. One to three inches of rain fell during a three hour period over the advisory area and resulted in a few secondary roads flooded for a short period, and significant rises in small creeks and streams. On May 29th, urban and small stream flood advisories were issued for Kent and Barry Counties when nearly stationary thunderstorms over the advisory area produced two to three inches of rain over a three hour period. On May 30th, urban and small stream flood advisories were issued for Calhoun, Gratiot, Kent, Allegan, Barry, Kalamazoo, and Van Buren Counties when thunderstorms over the advisory area produced one to three inches of rain over a four hour period. The rain events on the 29th and 30th resulted in a few secondary roads flooded for a short period, and significant rises in small creeks and streams. The advisories were allowed to expire after the minor nuisance flooding subsided. No significant property damage was reported for these events.

Flood Stage Report

No rivers exceeded flood stage during the month of May.

River Conditions

River levels across the Grand Rapids HSA by the end of May were near to below normal.

General Hydrologic Information

May precipitation was above normal, and temperatures were near normal across Southwest Lower Michigan.

May precipitation totals at first order stations across our HSA were above normal for Grand Rapids, Lansing, and Muskegon, Michigan. May precipitation totals at Grand Rapids, Lansing, and Muskegon, were 4.92, 4.74, and 4.28 inches, respectively. Precipitation for the month at these three sites was 1.57 inches above normal at Grand Rapids, 2.03 inches above normal at Lansing, and 1.33 inches above normal at Muskegon, Michigan. For the year, precipitation totals were above normal at Grand Rapids, Lansing, and Muskegon, Michigan. Yearly precipitation totals were 4.15 inches above normal for Grand Rapids, 3.87 inches above normal for Lansing, and 6.79 inches above normal for Muskegon, Michigan.

No snow fell during the month of May.

Temperatures for the month of May were slightly above to near normal at Grand Rapids, Lansing, and Muskegon, with average monthly departures of +0.1, +1.1 and +0.3 degrees Fahrenheit, respectively.

Hydrologic Products issued this month:

1 Hydrologic Outlook (ARBESFGRR) was issued
16 Flood Statements (ARBFLSGRR) were issued
28 Hydrologic Statements (ARBRVSGRR) were issued
31 Daily River and Lake Summary's (ABRRVDGRR) were issued
31 Hydrologic Summary's were issued (RVA)