

MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS

TO: NATIONAL WEATHER SERVICE (W/OS31)
HYDROMETEOROLOGICAL INFO CENTER
1325 EAST-WEST HIGHWAY, RM 13468
SILVER SPRING, MD 20910

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).

Flood Conditions

None occurred during the month of May. A flood advisory was issued on May 11, 2007, for Calhoun County in advance of widespread showers and thunderstorms, but flooding did not materialize.

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 slightly above normal at the end of the month.

The end of the month percentage of normal flow for selected rivers is listed below:

<u>Location</u>	<u>River</u>	<u>% of Normal</u>
Scottville	Pere Marquette	101
Whitehall	White	92
Evart	Muskegon	95
Mt. Pleasant	Chippewa	111
Lansing	Grand	106
Grand Rapids	Grand	103
East Lansing	Red Cedar	118
Hastings	Thornapple	133
Battle Creek	Battle Creek	140
Comstock	Kalamazoo	114

General Hydrologic Information

For the month of May, precipitation totals were near to below normal, and temperatures were above normal for Grand Rapids, Lansing and Muskegon, Michigan.

May precipitation totals at Grand Rapids, Lansing, and Muskegon, were 1.68, 3.49, and 1.82 inches, respectively. Precipitation for the month at these three sites was 1.67 inches below normal at Grand Rapids, 0.78 of an inch above normal at Lansing, and 1.13 inches below normal at Muskegon, Michigan. For the year, precipitation totals were still slightly above normal at Grand Rapids, Lansing, and Muskegon, Michigan. Yearly precipitation totals were 0.63 of an inch above normal for Grand Rapids, 0.93 of an inch above normal for Lansing, and 0.91 of an inch above normal for Muskegon, Michigan. For the month of May, a trace of snowfall was recorded at Grand Rapids, Lansing, and Muskegon, Michigan.

Temperatures for the month of May were above normal at Grand Rapids, Lansing, and Muskegon, with average monthly departures of +4.6, +3.4 and +4.5 degrees Fahrenheit, respectively.

Hydrologic Products issued this month:

- 2 Flood Statements (ARBFLSGRR) were issued
- 1 Hydrologic Outlook (ARBESFGRR) was issued
- 14 Hydrologic Statements (ARBRVSGRR) were issued
- 31 Hydrologic Summary's (ARBRVAGRR) were issued
- 31 Daily River and Lake Summary's (ABRRVDGRR) were issued