

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 June in our Hydrologic Service Area (HSA). Flood advisories were issued for Kent, Ionia, Montcalm, Ingham, Jackson, Newaygo, and Mecosta counties. No significant property damage was reported and no lives were lost during the minor nuisance flooding that occurred in June.

Flood Conditions

Only minor nuisance flooding occurred during the month of June. On June 2nd flood advisories were issued for Kent, Ionia, Montcalm, and Ingham counties when heavy rainfall associated with a line of thunderstorms moved through Southwest Lower Michigan and resulted in ponding of water on local area roads. On June 3rd a flood advisory was issued for Jackson county when heavy rain fell over Columbia Township causing secondary roads to briefly be covered by water. On June 4th, flood advisories were issued for Newaygo, Mecosta, and Ingham counties when thunderstorms produced heavy rain which resulted in localized ponding of water on local area roads. On June 27th, flood advisories were issued for Ingham and Jackson counties when a line of thunderstorms with heavy rain moved through the area and resulted in ponding of water on local area roads. No significant property damage was reported and no lives were lost during the minor nuisance flooding that occurred in June.

Flood Stage Report

No rivers exceeded flood stage during the month of June.

River Conditions

An isolated thunderstorm with heavy rain fell over East Lansing near the end of the month which resulted in above normal flows on the Red Cedar River in East Lansing. River levels by the end of June were near to below normal for the majority of the rivers in our HSA.

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	100
Whitehall	White	86
Evart	Muskegon	89
Mt. Pleasant	Chippewa	107
Lansing	Grand	100
Grand Rapids	Grand	85
East Lansing	Red Cedar	166
Hastings	Thornapple	60
Battle Creek	Battle Creek	66
Comstock	Kalamazoo	98

General Hydrologic Information

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

June precipitation totals at Grand Rapids, Lansing, and Muskegon, were 3.39, 3.09, and 1.19 inches, respectively. Precipitation for the month at these three sites was 0.28 of an inch below normal at Grand Rapids, 0.51 of an inch below normal at Lansing, and 1.39 inches below normal at Muskegon, Michigan. For the year, precipitation totals were near normal at Grand Rapids, Lansing, and Muskegon, Michigan. Yearly precipitation totals were 0.35 of an inch above normal for Grand Rapids, 0.42 of an inch above normal for Lansing, and 0.48 of an inch below normal for Muskegon, Michigan.

Temperatures for the month of June were above normal at Grand Rapids, Lansing, and Muskegon, with average monthly departures of +3.5, +2.7 and +3.2 degrees Fahrenheit, respectively.

Hydrologic Products issued this month:

18 Flood Statements (ARBFLSGRR) were issued
1 Hydrologic Outlook (ARBESFGRR) was issued
13 Hydrologic Statements (ARBRVSGRR) were issued
30 Hydrologic Summary's (ARBRVAGRR) were issued
30 Daily River and Lake Summary's (ABRRVDGRR) were issued