

NWS FORM E-5

U.S. DEPARTMENT OF COMMERCE
NOAA, NATIONAL WEATHER SERVICE

HSA OFFICE:
Grand Rapids, MI

REPORT FOR (MONTH & YEAR):
August 2008

MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS

DATE:
September 11, 2008

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

SIGNATURE:
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Mark L. Walton, Service Hydrologist

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 August.

Flood Conditions

None

Flood Stage Report

No rivers exceeded flood stage this month.

River Conditions

River levels by the end of August were near to below normal for 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	97
Whitehall	White	98
Ewart	Muskegon	120
Mt. Pleasant	Chippewa	98
Lansing	Grand	65
Grand Rapids	Grand	75
East Lansing	Red Cedar	89
Hastings	Thornapple	83
Battle Creek	Battle Creek	84
Comstock	Kalamazoo	89

General Hydrologic Information

August 2008 will be most remembered as a very dry month with near normal temperatures. August precipitation totals at Grand Rapids, Lansing, and Muskegon, Michigan were 1.05, 0.75, and 1.11 inches, respectively. Precipitation totals for the month at these three sites were 2.73 inches below normal at Grand Rapids, 2.71 inches below normal at Lansing, and 2.66 inches below normal at Muskegon, Michigan. Yearly precipitation totals were 4.21 inches above normal for Grand Rapids, 0.83 of an inch below normal for Lansing, and 5.25 inches above normal for Muskegon, Michigan.

Temperatures for the month of August were near normal at Grand Rapids, Lansing, and Muskegon, with average monthly departures of +1.2, +0.6 and +0.2 degrees Fahrenheit, respectively.

Hydrologic Products issued this month:

- 31 Hydrologic Summaries (ARBRVAGRR)
- 31 Daily River and Lake Summaries (ABRRVDGRR)
- 1 Hydrologic Outlook (ARBESFGRR)