

NWS FORM E-5

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

HSA OFFICE:
Grand Rapids, MI

REPORT FOR (MONTH & YEAR):
October 2008

MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS

DATE:
November 24, 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 October.

Flood Conditions

None

Flood Stage Report

No rivers exceeded flood stage this month.

River Conditions

River levels by the end of October were near to above 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 | 98 |
| Whitehall | White | 91 |
| Ewart | Muskegon | 105 |
| Mt. Pleasant | Chippewa | 92 |
| Lansing | Grand | 150 |
| Grand Rapids | Grand | 152 |
| East Lansing | Red Cedar | 215 |
| Hastings | Thornapple | 182 |
| Battle Creek | Battle Creek | 182 |
| Comstock | Kalamazoo | 157 |

General Hydrologic Information

October 2008 will be remembered for not having any severe weather events or any heavy precipitation events. In fact, there was not a single day in Grand Rapids, Muskegon, or Lansing for which an inch or more of precipitation was reported. October 2008 had near to slightly above normal precipitation, and near normal temperatures. October precipitation totals at Grand Rapids, Lansing, and Muskegon, Michigan were 2.71, 2.12, and 3.40 inches, respectively. Precipitation totals for the month at these three sites were 0.09 of an inch below normal at Grand Rapids, 0.17 of an inch below normal at Lansing, and 0.60 of an inch above normal at Muskegon, Michigan. Yearly precipitation totals were 9.38 inches above normal for Grand Rapids, 3.74 inches above normal for Lansing, and 9.04 inches above normal for Muskegon, Michigan.

During the month of October, only a trace to snowfall was reported at Grand Rapids, Lansing, and Muskegon, Michigan.

Temperatures for the month of October were near normal at Grand Rapids, Lansing, and Muskegon, with average monthly departures of 0.0, -0.8 and -0.4 degrees Fahrenheit, respectively.

Hydrologic Products issued this month:

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