

MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS

DATE:

November 2, 2012

SIGNATURE:

Daniel K. Cobb, MIC

Mark L. Walton, Service Hydrologist

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

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 in our Hydrologic Service Area (HSA) during the month of October.

Flood Conditions

No rivers exceeded their banks during the month of October.

Flood Stage Report

No rivers exceeded flood stage during the month of October.

River Conditions

River levels across the HSA were near to below 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	104
Whitehall	White	101
Evert	Muskegon	103
Mt. Pleasant	Chippewa	114
Lansing	Grand	82
Grand Rapids	Grand	110
East Lansing	Red Cedar	77
Hastings	Thornapple	100
Battle Creek	Battle Creek	80
Battle Creek	Kalamazoo	79

General Hydrologic Information

For our HSA, precipitation was above normal and temperatures were near normal for October 2012.

October precipitation totals at Grand Rapids, Lansing, and Muskegon, Michigan, were 6.32, 4.46, and 6.71 inches, respectively (Figure 1). Precipitation totals for the month at these three sites were 3.06 inches above normal at Grand Rapids, 1.93 inches above normal at Lansing, and 3.60 inches above normal at Muskegon, Michigan (Figure 2). Yearly precipitation totals were 1.75 inches below normal for Grand Rapids, 1.07 inches below normal for Lansing, and 0.40 of an inch above normal for Muskegon, Michigan. Snowfall totals for the month ranged from a Trace at Grand Rapids and Muskegon to a 0.1 of an inch at Lansing, Michigan.

Temperatures for the month of October were near normal at Grand Rapids, Lansing, and Muskegon, Michigan, with average monthly departures of -0.2, -0.1 and -0.1 degrees Fahrenheit, respectively.

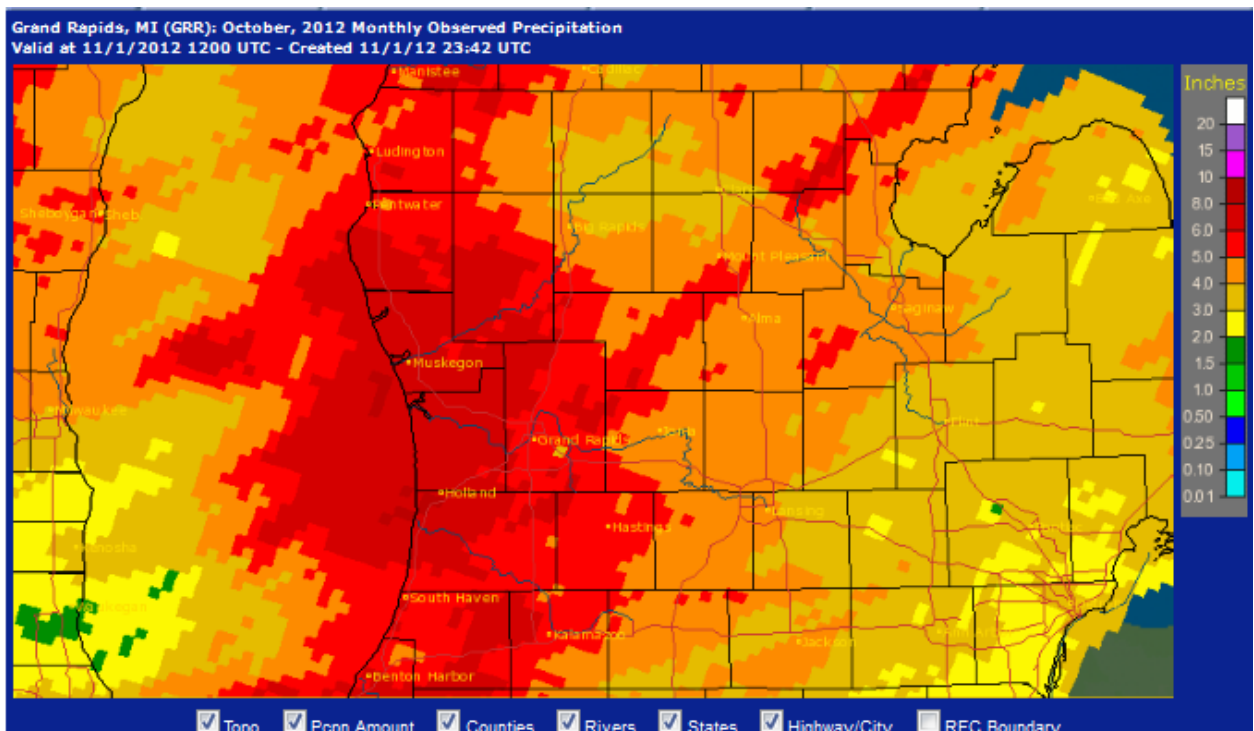


Figure 1. October 2012 Monthly Precipitation Totals

