

NWS FORM E-5

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

HSA OFFICE:
Grand Rapids, MI

REPORT FOR (MONTH & YEAR):
April 2012

MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS

DATE:
May 2, 2012

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

SIGNATURE:
Daniel K. Cobb, MIC
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 April in our Hydrologic Service Area (HSA).

Flood Conditions

No rivers exceeded bankfull during the month of April. No areal flood warnings or advisories were issued this month.

Flood Stage Report

No rivers exceeded flood stage during the month of April.

River Conditions

River levels across the HSA were 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	93
Whitehall	White	87
Evert	Muskegon	62
Mt. Pleasant	Chippewa	78
Lansing	Grand	74
Grand Rapids	Grand	63
East Lansing	Red Cedar	61
Hastings	Thornapple	66
Battle Creek	Battle Creek	73
Battle Creek	Kalamazoo	90

General Hydrologic Information

April 2012 had near normal temperatures and near to below normal precipitation. Snowfall for the month was below normal.

April precipitation totals at Grand Rapids, Lansing, and Muskegon, Michigan, were 3.09, 2.55, and 2.28 inches, respectively (Figure 1). Precipitation totals for the month at these three sites were 0.26 of an inch below normal at Grand Rapids, 0.48 of an inch below normal at Lansing, and 0.63 of an inch below normal at Muskegon, Michigan (Figure 2). Yearly precipitation totals were 1.83 inches above normal for Grand Rapids, 0.73 of an inch above normal for Lansing, and 1.62 inches above normal for Muskegon, Michigan.

Only trace amounts of snow fell across our HSA. Snowfall for the month of April at Grand Rapids, Lansing, and Muskegon, Michigan were Trace (1.8 inches below normal), Trace (1.9 of an inch below normal), and Trace (2.3 inches below normal), respectively.

Temperatures for the month of April were near normal at Grand Rapids, Lansing, and Muskegon, Michigan, with average monthly departures of +0.3, -0.5 and +0.9 degrees Fahrenheit, respectively.

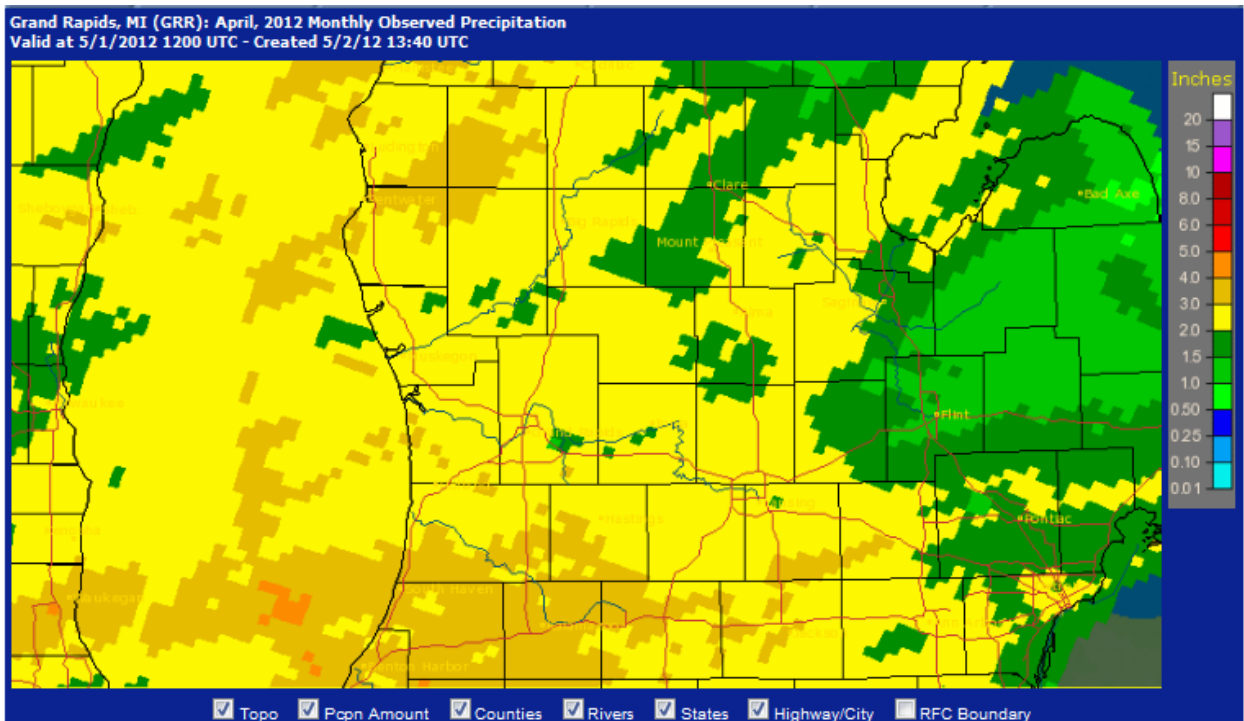


Figure 1. April 2012 Monthly Precipitation Totals

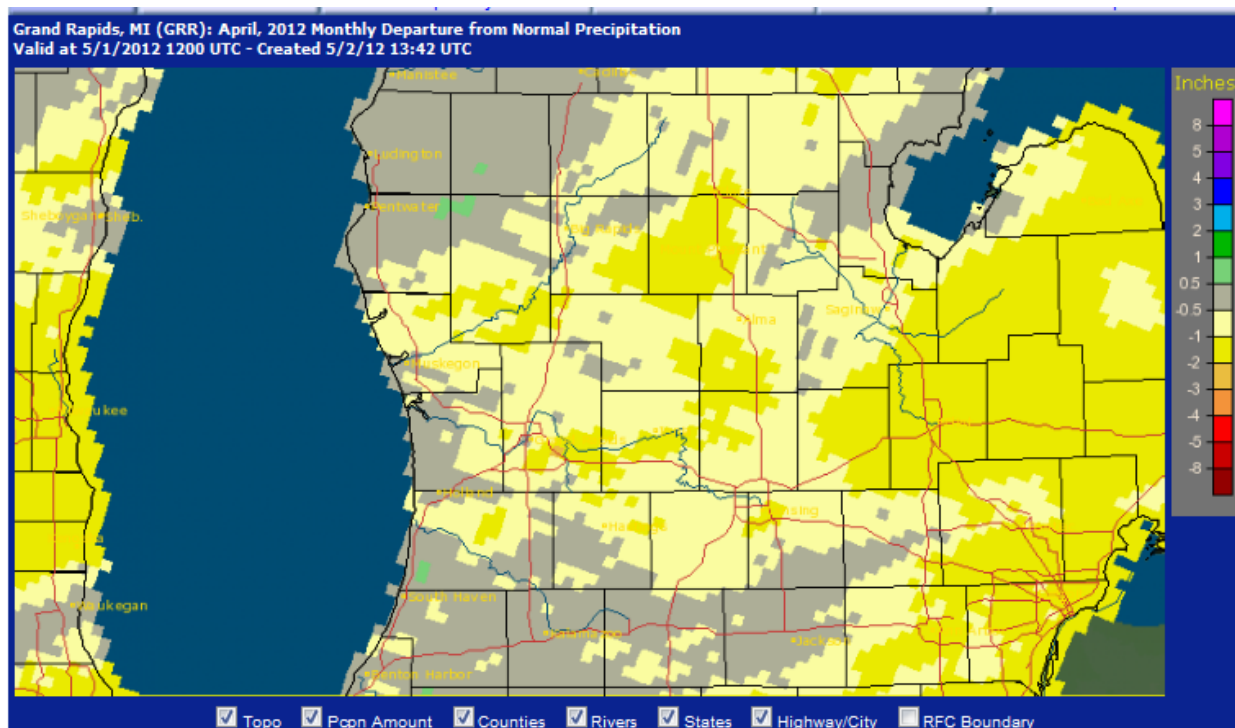


Figure 2. April 2012 Monthly Departure from Normal Precipitation Totals

Hydrologic Products issued this month:

- 3 Hydrologic Statements (ARBRVSGRR)
- 1 Probabilistic Hydrologic Outlook (ARBESFGRR)
- 30 Daily River and Lake Summaries (ARBRVDGRR)
- 30 Hydrologic Summaries (ARBRVAGRR)

News Articles and Related Documentation

None