

NWS FORM E-5

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

HSA OFFICE:

Grand Rapids, MI

REPORT FOR (MONTH & YEAR):

June 2016

MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS

DATE:

July 1st, 2016

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 Sekelsky, Lead Forecaster

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

The dry pattern continued through June 2016. Below normal precipitation was observed throughout the region, with many locations recording less than half their normal rainfall. Because of this, river levels continued to fall throughout the hydrologic service area.

Flood Conditions

No significant flooding was observed during the month of June.

No rivers exceeded bankfull during the month of June 2016:

Flood Stage Report

No forecast points exceeded flood stage in our HSA during the month of June 2016. As a result, no Flood Stage Report was submitted.

River Conditions

The end of the June percentage of normal flow for selected rivers is listed below:

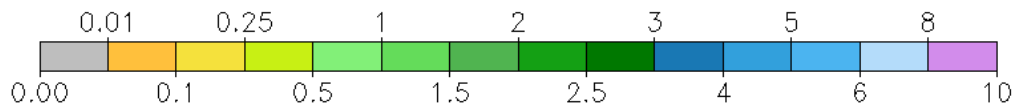
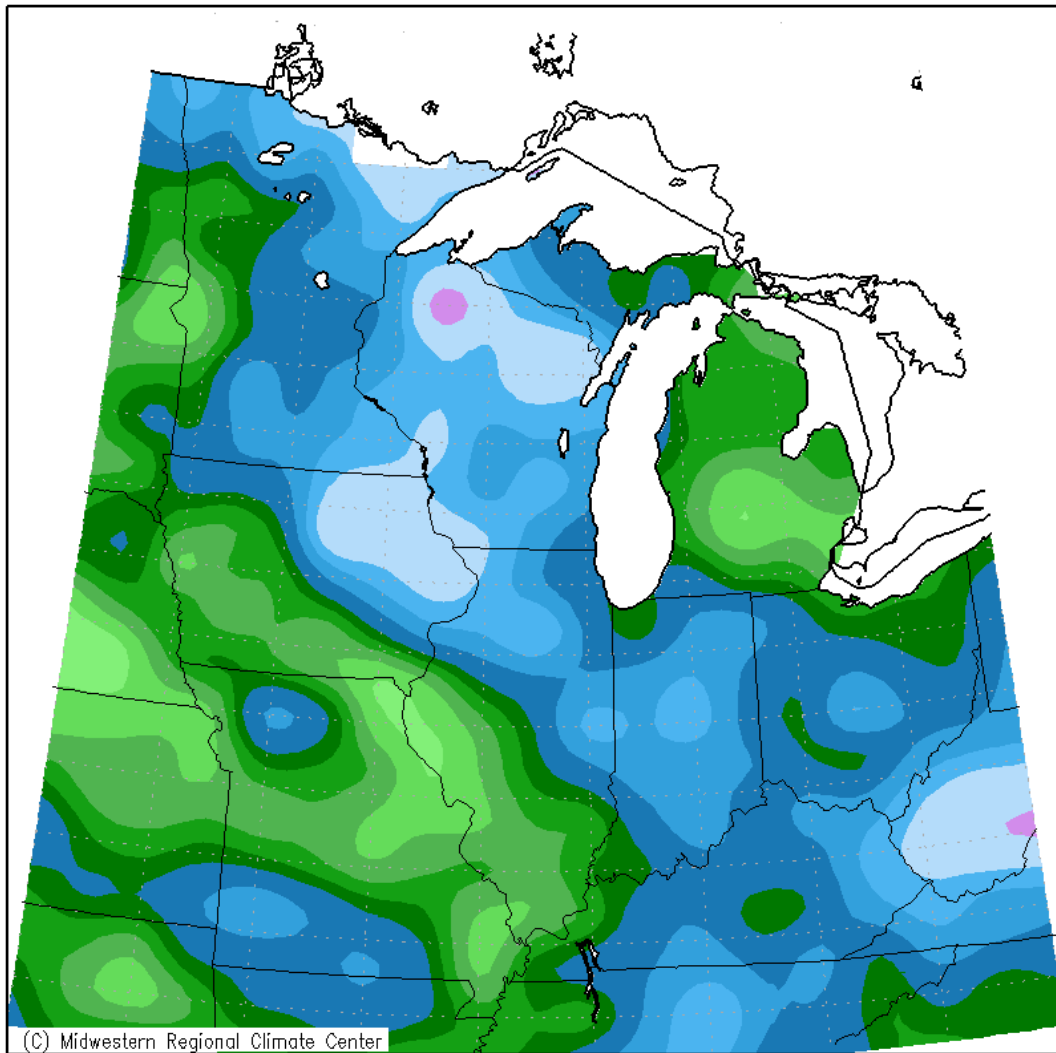
<u>Location</u>	<u>River</u>	<u>% of Normal</u>
Scottville	Pere Marquette	89
Whitehall	White	88
Ewart	Muskegon	86
Mt. Pleasant	Chippewa	93
Lansing	Grand	46
Grand Rapids	Grand	64
East Lansing	Red Cedar	49
Hastings	Thornapple	62
Battle Creek	Battle Creek	59
Battle Creek	Kalamazoo	56

General Hydrologic Information

June precipitation totals at Grand Rapids, Lansing, and Muskegon, Michigan, were 1.15, 0.59, and 2.34 inches, respectively (Figure 1). The three stations featured below normal precipitation for the June. Monthly departures for Grand Rapids, Lansing and Muskegon were -2.62 inches, - 2.86 inches, and -0.21 inches. Percent of mean precipitation for June 2016 is shown in Figure 2. Yearly precipitation departures through the end of June were 0.77 inches above normal for Grand Rapids, -1.31 inches below normal for Lansing, and 1.62 inches above normal for Muskegon.

Temperatures for the month of June were above normal at Grand Rapids, Lansing, and Muskegon. The average monthly temperature departures were, 1.9, 1.0, and 1.1 degrees Fahrenheit respectively.

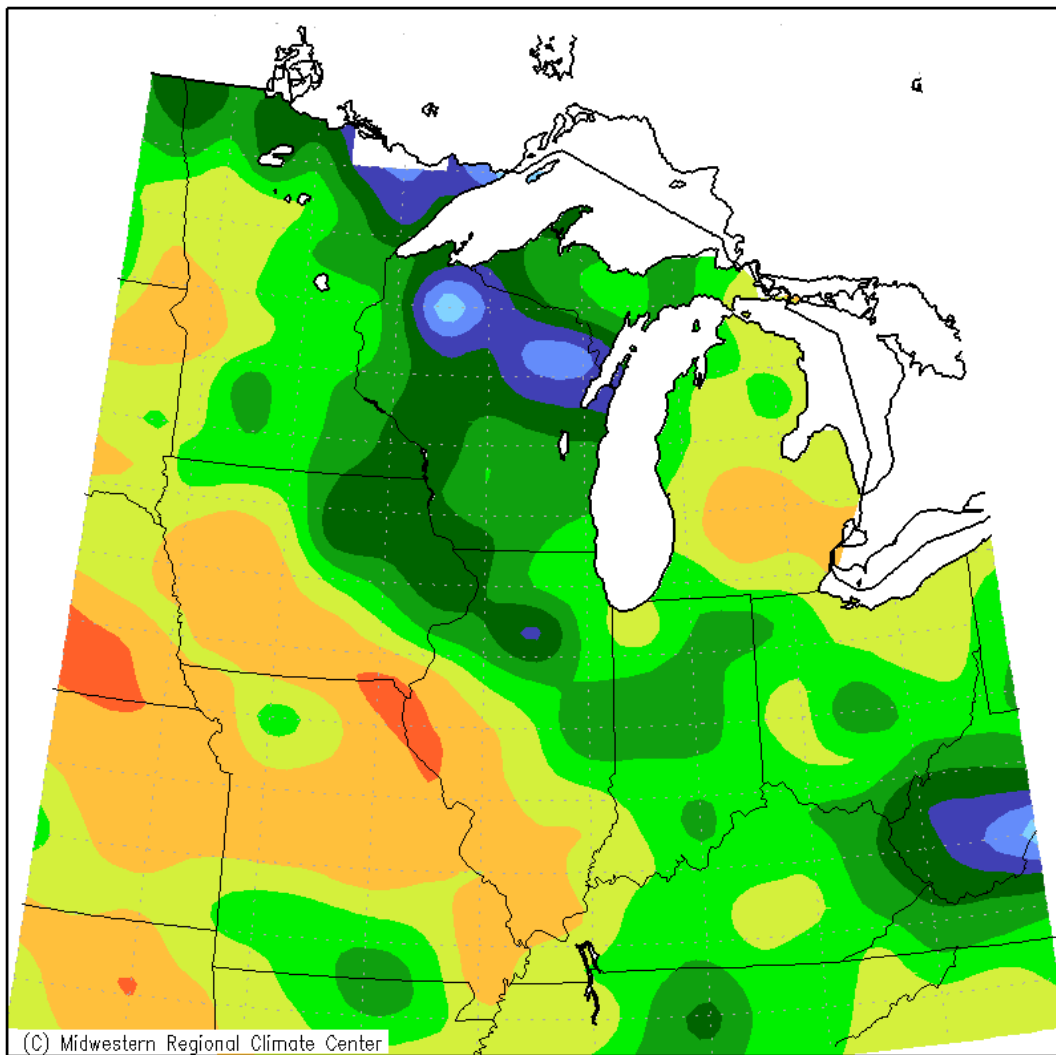
Accumulated Precipitation (in)
June 1, 2016 to June 30, 2016



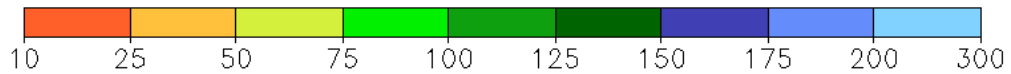
Midwestern Regional Climate Center
Illinois State Water Survey, Prairie Research Institute
University of Illinois at Urbana-Champaign

Figure 1. June Monthly Precipitation Totals

Accumulated Precipitation: Percent of Mean
June 1, 2016 to June 30, 2016



Mean period is 1981–2010.



Midwestern Regional Climate Center
Illinois State Water Survey, Prairie Research Institute
University of Illinois at Urbana–Champaign

Figure 2. June Percent of Mean of Accumulated Precipitation

Hydrologic Products issued this month:

30 Hydrologic Summaries (ARBRVAGRR)

1 River Statements(ARBRVSGRR)

30 Daily River Forecasts(ARBRVDGRR)

News Articles and Related Documentation

None