

NWS FORM E-5

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

HSA OFFICE:
Grand Rapids, MI

REPORT FOR (MONTH & YEAR):
October 2005

MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS

DATE:
November 3, 2005

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

SIGNATURE:
Daniel G. Houser, 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 flooding occurred within this Hydrologic Service Area.

No significant flooding occurred in the Grand Rapids Hydrologic Service Area (HSA) during the month of October.

October Precipitation

October precipitation totals were well below normal at Grand Rapids, Lansing, and Muskegon, Michigan. Monthly precipitation totals at Grand Rapids, Lansing, and Muskegon, were 0.71, 0.57, and 0.39 of an inch, respectively. Precipitation for the month at these three sites were 2.09 inches below normal at Grand Rapids, 1.72 inches below normal at Lansing, and 2.41 inches below normal at Muskegon, Michigan. For the year, precipitation totals at Grand Rapids were 2.27 inches below normal, 0.83 of an inch below normal at Lansing, and 7.07 inches below normal for Muskegon.

October Temperatures

October was warm across southwest Lower Michigan, with temperatures 2 to 3 degrees above normal. Temperatures for the month of October were above normal at Grand Rapids, Lansing, and Muskegon, averaging 2.8, 3.4, and 3.0 degrees above normal, respectively.

October River Levels

All rivers stayed below flood stage during the month of October. River levels were near to below normal for the entire month of October. 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	78
Whitehall	White	76
Evert	Muskegon	83
Mt. Pleasant	Chippewa	67

Lansing	Grand	60
Grand Rapids	Grand	51
East Lansing	Red Cedar	56
Hastings	Thornapple	44
Battle Creek	Battle Creek	57
Comstock	Kalamazoo	72

Hydrologic Products issued this month:

- 1 Hydrologic Outlook (ARBESFGRR) was issued
- 31 Hydrologic Summary's (ARBRVAGRR) were issued
- 31 Daily River and Lake Summary's (ARBRVDGRR) were issued

cc: