

NWS FORM E-5 U.S. DEPARTMENT OF COMMERCE NOAA, NATIONAL WEATHER SERVICE MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS TO: NATIONAL WEATHER SERVICE (W/OH12x1) HYDROMETEOROLOGICAL INFO CENTER 1325 EAST-WEST HIGHWAY, RM 7116 SILVER SPRING, MD 20910	HSA OFFICE: Marquette, MI
	REPORT FOR (MONTH / YEAR): August 2016
	DATE: September 15, 2016
	SIGNATURE: Robin J. Turner, MIC Justin Titus, Meteorologist
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 no flooding occurred within this Hydrologic Service Area.

August Flooding

A small section of road near Houghton was reported as washed out at around 11pm on August 10th. 3-4 inches of rain was reported in 2 hours that evening as thunderstorms trained over the area. An Urban and Small Stream Flood Advisory was issued just after 9pm.

August Precipitation

August precipitation was generally above normal over much of Upper Michigan.

Below is a chart of some of the larger cities in the Upper Peninsula, with monthly precipitation in inches, the amount of inches above or below normal for the month and any applicable record high or low rank.

Location	Precipitation	Above/Below	Rank
WFO Marquette	4.53	1.48	
Marquette City	4.14	1.51	
Houghton Airport	3.65	1.24	
Ironwood	4.49	1.12	
Iron Mountain	3.56	0.30	
Manistique	4.43	1.18	
Munising	4.32	0.84	
Newberry	2.96	No Data	

Drought Discussion

The August 30, 2016 release of the U.S. Drought Monitor did not indicate drought conditions across Upper Michigan. For the latest drought status, please go to <http://www.drought.gov>.

August River Levels

According to the United States Geological Survey, Upper Michigan August average streamflow generally ranged from above normal (75-90 percentile) in basins from Ironwood through the Keweenaw and across the northern Huron Mountains) to normal (25-75 percentile) in other basins.

August Products Issued

- 31 – Hydrologic Summary
- 2 – Flood Advisory
- 1 – Hydrologic Outlook