

<b>NWS FORM E-5</b>  U.S. DEPARTMENT OF COMMERCE NOAA, NATIONAL WEATHER SERVICE  <b>MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS</b>  TO: NATIONAL WEATHER SERVICE (W/OH12x1) HYDROMETEOROLOGICAL INFO CENTER 1325 EAST-WEST HIGHWAY, RM 7116 SILVER SPRING, MD 20910	HSA OFFICE: <b>Marquette, MI</b>
	REPORT FOR (MONTH / YEAR): <b>August 2015</b>
	DATE: <b>September 13, 2015</b>
	SIGNATURE: <b>Robin J. Turner, MIC</b> <b>Justin Titus, Meteorologist</b>
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).	

**X**

An X inside this box indicates no flooding occurred within this Hydrologic Service Area.

**August Flooding**

No flooding was reported to the National Weather Service.

**August Precipitation**

August precipitation was generally near to below normal, with well below normal precipitation over eastern 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	Normal	Above/Below	Rank
WFO Marquette	2.70	3.05	-0.35	
Marquette City	2.99	2.63	0.36	
Houghton Airport	2.51	2.41	0.10	
Ironwood	2.56	3.37	-0.81	
Iron Mountain	3.41	3.26	0.15	
Manistique	2.60	3.25	-0.65	
Munising	2.33	3.48	-1.15	
Newberry	1.73	No Data	No data	

Other monthly precipitation totals from coop observers:

Location	Precipitation (inches)
Ahmeek 1SW	3.09
Amasa (Iron County)	5.24
Atlantic Mine (Houghton County)	Missing
Baraga 7NW (Baraga County)	1.67
Big Bay (Marquette County)	Missing
Chatham (Alger County)	1.86
Clarksburg (Marquette County)	2.43
Cooks (Schoolcraft County)	1.93
Copper Harbor (Keweenaw County)	2.23
Garden Corners (Delta County)	3.69
Gladstone (Delta County)	3.04
Greenland 6N (Ontonagon County)	2.55
Gwinn (Marquette County)	Missing
Harvey (Marquette County)	Missing
Herman (Baraga County)	2.80
Houghton (Houghton County)	2.51
Jacobsville (Houghton County)	1.84
Mohawk (Keweenaw County)	3.07
Menominee (Menominee County)	3.88
Norway (Dickinson County)	3.30
Paulding (Ontonagon County)	2.87
Stambaugh (Iron County)	3.56

### **Drought Discussion**

The September 1, 2015 release of the U.S. Drought Monitor indicated that D0 (abnormally dry) drought conditions existed over all from south central Upper Michigan. For the latest drought status, please go to <http://www.drought.gov>.

### **August Temperatures**

Below is a table of some of the larger cities in the Upper Peninsula, with average monthly temperature and number of degrees above or below normal for the month, and the rank of an all-time warmest or coldest month, where applicable.

Location	Temperature (degrees)	Above/Below	Rank
WFO Marquette	64.0	0.3	
Marquette City	66.2	-0.4	
Houghton Airport	64.5	0.6	
Ironwood	63.7	-0.4	
Iron Mountain	65.8	-0.6	
Manistique	64.0	-0.6	
Munising	63.4	-1.1	
Newberry	64.5	1.1	

## **August River Levels**

According to the United States Geological Survey, August average streamflow was normal (25-75 percentile) in Lake Michigan drainage basins and below normal (10-24 percentile) in Lake Superior drainage basins.

## **August Products Issued**

31 – Hydrologic Summary

2 – Flood Advisory

1 – Hydrologic Outlook

CC:

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