

<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>January 2015</b>
	DATE: <b>February 18, 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).	



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

### **January Flooding**

Ice jam flooding was reported near the mouth of the Au Train River in Alger County due to ice buildup along the shore of Lake Superior. Only minor impacts were noted.

### **January Precipitation**

January precipitation was below normal over Upper Michigan due to a limited number of storm systems moving through the region.

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	Snow	Above/Below	Rank
WFO Marquette	1.25	-1.16		30.1	-13.1	
Marquette City	0.97	-0.86		15.3	-14.2	
Houghton Airport	No Data			No Data		
Ironwood	0.83	-1.10		21.6	-22.6	
Iron Mountain	0.63	-0.60		8.6	-5.1	
Manistique	0.84	-0.73		12.6	No Data	
Munising	2.72	-0.55		42.1	-1.2	
Newberry	1.79	No Data		32.7	No Data	

Other monthly precipitation totals from coop observers:

Location	Precipitation (inches)	Snow (Inches)
Alberta (Baraga County)	Missing	Missing
Amasa (Iron County)	1.06	12.4
Atlantic Mine (Houghton County)	1.76	60.5
Baraga 7NW (Baraga County)	1.73	24.6
Big Bay (Marquette County)	1.28	19.9
Chatham (Alger County)	1.56	28.8
Clarksburg (Marquette County)	0.93	18.0
Cooks (Schoolcraft County)	1.93	22.6
Copper Harbor (Keweenaw County)	Missing	Missing
Garden Corners (Delta County)	1.37	21.2
Gladstone (Delta County)	0.80	7.5
Greenland 6N (Ontonagon County)	1.80	37.9
Gwinn (Marquette County)	Missing	Missing
Harvey (Marquette County)	0.76	12.8
Herman (Baraga County)	0.91	29.0
Jacobsville (Houghton County)	1.28	20.3
Mohawk (Keweenaw County)	Missing	Missing
Menominee (Menominee County)	Missing	Missing
Norway (Dickinson County)	0.66	10.4
Paulding (Ontonagon County)	0.76	18.5
Stambaugh (Iron County)	0.40	7.5
Watton (Baraga County)	0.93	15.2

### **Drought Discussion**

The January 27, 2015 release of the U.S. Drought Monitor indicated that drought conditions did not exist across Upper Michigan. For the latest drought status, please go to <http://www.crh.noaa.gov/mqt/?n=drought>.

### **January 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	11.0	-2.6	
Marquette City	16.0	-2.8	
Houghton Airport	13.9	-1.6	
Ironwood	11.1	-0.5	
Iron Mountain	12.1	-1.6	
Manistique	13.4	-4.2	
Munising	13.7	-4.2	
Newberry	11.8	-3.1	

## **January River Levels**

According to the United States Geological Survey, January average streamflow across most of Upper Michigan was normal (25-75 percentile) to above normal (76-90 percentile), with much above normal conditions (>90 percentile) in portions of the Menominee River Basin.

## **January Products Issued**

25 - Hydrologic Summary

2 - Hydrologic Outlook

1 - Hydrologic Statement

CC:

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