

<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>February 2015</b>
	DATE: <b>March 23, 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.

**February Flooding**

No flooding was reported to the National Weather Service.

**February Precipitation**

Northwest wind snow belts from Ironwood to Copper Harbor and east of Marquette generally saw above normal precipitation in February. Elsewhere, precipitation was generally below normal with the greatest deficits over south central 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	Snow	Above/Below	Rank
WFO Marquette	1.67	-0.47		40.7	4.8	
Marquette City	1.28	-0.03		22.6	1.9	
Houghton Airport	No Data			No Data		
Ironwood	1.48	0.21		33.3	5.1	
Iron Mountain	0.28	-0.72		3.5	-5.2	
Manistique	0.55	-0.59		10.2	No Data	
Munising	2.64	0.63		46.5	20.0	
Newberry	1.20	No Data		19.8	No Data	

Other monthly precipitation totals from coop observers:

Location	Precipitation (inches)	Snow (Inches)
Ahmeek 1SW	2.53	23.7
Alberta (Baraga County)	1.23	22.2
Amasa (Iron County)	0.55	11.6
Atlantic Mine (Houghton County)	1.52	46.0
Baraga 7NW (Baraga County)	1.94	25.6
Big Bay (Marquette County)	1.58	29.5
Chatham (Alger County)	1.45	33.8
Clarksburg (Marquette County)	0.65	17.1
Cooks (Schoolcraft County)	17.1	17.5
Copper Harbor (Keweenaw County)	Missing	Missing
Garden Corners (Delta County)	0.74	14.9
Gladstone (Delta County)	0.75	9.2
Greenland 6N (Ontonagon County)	1.18	29.5
Gwinn (Marquette County)	Missing	Missing
Harvey (Marquette County)	0.61	9.1
Herman (Baraga County)	1.00	34.1
Houghton (Houghton County)	1.53	33.6
Jacobsville (Houghton County)	1.17	17.7
Mohawk (Keweenaw County)	1.84	26.9
Menominee (Menominee County)	Missing	Missing
Norway (Dickinson County)	0.29	5.7
Paulding (Ontonagon County)	0.47	16.8
Stambaugh (Iron County)	0.29	4.8

### **Drought Discussion**

The March 3, 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>.

### **February 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	2.4	-13.1	1 <sup>st</sup>
Marquette City	8.5	-12.2	6 <sup>th</sup>
Houghton Airport	4.6	-12.3	3 <sup>rd</sup>
Ironwood	2.5	-12.4	2 <sup>nd</sup>
Iron Mountain	4.2	-13.3	3 <sup>rd</sup>
Manistique	4.6	-14.7	1 <sup>st</sup>
Munising	7.7	-11.7	4 <sup>th</sup>
Newberry	3.3	-13.3	2 <sup>nd</sup>

## **February River Levels**

According to the United States Geological Survey, February 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.

## **February Products Issued**

28 - Hydrologic Summary

1 - Hydrologic Outlook

CC:

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