

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): May 2014
	DATE: July 9, 2014
	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.

May Flooding

Typical flooding from snowmelt and additional rainfall occurred along the Sturgeon River near the cities of Alston and Chassell late in the month. The Trap Rock River exceeded minor flood stage, with some road closures resulting from the flooding. Minor flooding was also observed along the Michigamme River from near Republic to near Crystal Falls. Over eastern Upper Michigan, the Sturgeon River near Nahma Junction and Tahquamenon River near Paradise (above the upper falls) exceeded bankfull stage, but no significant impacts were observed.

May Precipitation

Generally, far western and far eastern Upper Michigan saw near or above normal precipitation, while central Upper Michigan saw near or below normal precipitation.

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	Snowfall	Above/Below	Rank
WFO Marquette	2.53	-0.52		3.6	2.1	
Marquette City	2.60	0.07		0.0		
Houghton Airport	3.32	0.82		0.0		
Ironwood	3.65	0.52		0.0		
Iron Mountain	2.85	-0.19		0.0		
Manistique	2.38	-0.35		0.0		
Munising	3.82	0.84		3.0	2.7	
Newberry	2.81	No Data		Trace	No Data	
Ontonagon 6SE	2.74	-0.23		0.0		

Other monthly precipitation totals from coop observers:

Location	Precipitation (inches)	Snowfall (inches)
Alberta (Baraga County)	2.53	Trace
Amasa (Iron County)	2.53	0.2
Atlantic Mine (Houghton County)	4.12	0.5
Baraga 7NW (Baraga County)	2.73	Trace
Big Bay (Marquette County)	2.66	2.8
Chatham (Alger County)	3.36	1.0
Clarksburg (Marquette County)	2.13	0.5
Cooks (Schoolcraft County)	2.59	Trace
Copper Harbor (Keweenaw County)	2.17	0.0
Garden Corners (Delta County)	2.45	Trace
Gladstone (Delta County)	2.93	0.0
Greenland 6N (Ontonagon County)	4.62	0.0
Gwinn (Marquette County)	2.70	0.3
Harvey (Marquette County)	2.56	0.0
Herman (Baraga County)	2.59	2.2
Jacobsville (Houghton County)	3.38	Trace
Mohawk (Keweenaw County)	1.99	Trace
Menominee (Menominee County)	2.16	0.0
Norway (Dickinson County)	2.46	Trace
Paulding (Ontonagon County)	4.00	Trace
Stambaugh (Iron County)	2.22	0.5
Watton (Baraga County)	2.67	0.4

Drought Discussion

The May 27, 2014 release of the U.S. Drought Monitor continued to indicate no drought conditions across Upper Michigan. For the latest drought status, please go to <http://www.crh.noaa.gov/mqt/?n=drought>.

May 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	51.3	0.4	
Marquette City	46.5	-4.5	
Houghton Airport	50.2	0.0	
Ironwood	52.2	0.3	
Iron Mountain	53.9	0.2	
Manistique	46.9	-2.4	
Munising	47.3	-2.7	
Newberry	49.7	-0.6	
Ontonagon 6SE	52.9	-0.6	

May River Levels

According to the United States Geological Survey, May average streamflow across Upper Michigan was much above normal (>90 percentile).

May Products Issued

79 - Flood Statement

30 - Hydrologic Summary

5 - Flood Warning

1 - Hydrologic Outlook

CC:

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