

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): July 2014
	DATE: August 27, 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).	

X

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

July Flooding

No flooding was reported to the National Weather Service.

July Precipitation

July precipitation was generally near to above normal over north central and northwestern Upper Michigan, and near to below normal along the Wisconsin Border and near Lake 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	4.18	1.34	
Marquette City	4.04	1.22	
Houghton Airport	3.12	0.63	
Ironwood	3.45	-0.65	
Iron Mountain	1.67	-1.78	
Manistique	1.31	-1.73	
Munising	3.26	-0.01	
Newberry	1.92	No Data	
Ontonagon 6SE	3.92	0.64	

Other monthly precipitation totals from coop observers:

Location	Precipitation (inches)
Alberta (Baraga County)	4.53
Amasa (Iron County)	1.70
Atlantic Mine (Houghton County)	4.59
Baraga 7NW (Baraga County)	Missing
Big Bay (Marquette County)	3.62
Chatham (Alger County)	4.27
Clarksburg (Marquette County)	4.21
Cooks (Schoolcraft County)	2.26
Copper Harbor (Keweenaw County)	2.40
Garden Corners (Delta County)	3.29
Gladstone (Delta County)	2.29
Greenland 6N (Ontonagon County)	3.82
Gwinn (Marquette County)	2.54
Harvey (Marquette County)	Missing
Herman (Baraga County)	5.96
Jacobsville (Houghton County)	4.01
Mohawk (Keweenaw County)	3.29
Menominee (Menominee County)	Missing
Norway (Dickinson County)	2.30
Paulding (Ontonagon County)	4.02
Stambaugh (Iron County)	2.13
Watton (Baraga County)	3.73

Drought Discussion

The July 29, 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>.

July 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	62.2	-3.3	8 th
Marquette City	63.7	-2.9	
Houghton Airport	62.5	-2.3	
Ironwood	62.9	-2.9	6 th
Iron Mountain	65.0	-3.0	
Manistique	60.0	-4.7	2 nd
Munising	61.0	-3.8	10 th
Newberry	61.8	-3.0	8 th
Ontonagon 6SE	65.0	-2.1	6 th

July River Levels

According to the United States Geological Survey, July average streamflow across Upper Michigan was normal (25-75 percentile), except in the Manistique River Basin which was above normal (76-90 percentile).

July Products Issued

31 - Hydrologic Summary

1 - Hydrologic Outlook

CC:

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