

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 2012
	DATE: June 21, 2012
	SIGNATURE: Robin J. Turner, MIC Justin Titus, Meteorologist Keith Cooley, 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.

May Flooding

No flooding was reported to the National Weather Service (NWS).

May Precipitation

May precipitation was near to slightly below normal across most of Eastern and Central Upper Michigan, while far western Upper Michigan was above normal. Temperatures remained warm enough that all of the precipitation fell in the form of rain. Far western Upper Michigan received greater rainfall totals due largely to several strong thunderstorms redeveloping over the area ahead of a low-pressure system and associated cold front passing through around the middle of the month. Totals over the Central and Eastern Upper Peninsula were greatly reduced due to southerly, more stable air, flowing across the long axis of Lake Michigan, which helped to reduce storm intensity.

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	2.62	-0.22		Trace	-1.5	
Marquette City	2.31	-0.36		0.0	-0.6	
Houghton Airport	2.72	+0.27		M	M	
Ironwood	6.55	+3.41	3 rd	0.0	-1.9	
Iron Mountain	3.09	+0.04		0.0	-0.6	
Manistique	1.79	-0.81		0.0	0.0	
Munising	2.12	-0.71		0.0	-0.4	
Ontonagon	3.48	+0.50		0.0	-1.0	

Other monthly precipitation totals from coop observers:

Location	Precipitation (inches)	Snowfall (inches)
Amasa (Iron County)	3.47	0.0
Atlantic Mine (Houghton County)	5.37	0.0
Baraga 7NW (Baraga County)	2.00	0.0
Bergland Dam (Ontonagon County)	5.77	0.0
Big Bay (Marquette County)	1.96	0.0
Big Bay 9SW (Marquette County)	1.78	0.0
Chatham (Alger County)	2.43	0.0
Clarksburg (Marquette County)	2.66	0.0
Cooks (Schoolcraft County)	2.34	0.0
Copper Harbor (Keweenaw County)	2.95	0.0
Garden Corners (Delta County)	3.20	0.0
Gladstone (Delta County)	4.01	0.0
Greenland 6N (Ontonagon County)	5.10	0.0
Gwinn (Marquette County)	M	M
Harvey (Marquette County)	2.51	0.0
Herman (Baraga County)	3.46	0.0
Ishpeming 7NNE (Marquette County)	3.33	0.0
Jacobsville (Houghton County)	3.30	0.0
Mohawk (Keweenaw County)	2.51	0.0
Menominee (Menominee County)	4.54	0.0
Norway (Dickinson County)	3.35	0.0
Painesdale (Houghton County)	4.62	0.0
Stambaugh (Iron County)	4.37	0.0
Twin Lakes (Houghton County)	4.73	0.0
Watersmeet (Gogebic County)	3.12	0.0
Watton (Baraga County)	3.80	0.0

Drought Discussion

According to the June 5th, 2012 release of the U.S. Drought Monitor, much of Alger, Delta, Dickinson, Schoolcraft and Marquette Counties as well as the Keweenaw Peninsula were classified under Moderate (D1) Drought. All other areas of Upper Michigan were classified as Abnormally Dry (D0), with the exception of southern Menominee County, which was not shown to be under drought stress.

For the latest drought status, please go to <http://www.drought.unl.edu/dm/monitor.html>.

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	55.1	4.1	5
Marquette City	55.9	4.9	5
Houghton Airport	54.8	4.6	
Ironwood	56.0	4.1	
Iron Mountain	58.2	4.5	
Manistique	51.8	2.5	
Munising	54.1	4.1	
Ontonagon	58.0	4.5	4

May River Levels

According to the United States Geological Survey, May streamflow was generally below to much below normal.

May Products Issued

Flood Warnings (FLW): 0
Flood Advisories (FLS): 0
River Statements (RVS): 0
Flash Flood Watches (FFA): 0
Flash Flood Warnings (FFW): 0
Flash Flood Statements (FFS): 0

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