

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): June 2011
	DATE: July 11, 2011
	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.

June Flooding

No flooding was reported to the National Weather Service.

June Precipitation

June precipitation was generally near to below normal over the west half of Upper Michigan, and near to above normal over the east half of Upper Michigan. The west generally saw 2-5 inches, while the east saw 3-6 inches, some higher amounts occurred in areas that saw heavy rain from thunderstorms.

On June 21st and 22nd, thunderstorms moved across the area, with reports of 2-5 inches of rain in less than 24 hours.

Below is a chart of some of the larger cities in the Upper Peninsula, with monthly precipitation in inches and the amount of inches above or below normal for the month.

Location	Precipitation	Normal	Above/Below	Rank
WFO Marquette	3.75	3.27	0.48	
Marquette City	4.51	3.02	1.49	
Houghton Airport	3.69	3.15	0.54	
Ironwood	2.46	4.01	-1.55	
Iron Mountain	3.68	3.64	0.04	
Manistique	3.58	3.25	0.33	
Munising	3.65	3.23	0.42	
Newberry	3.01	3.02	-0.01	
Ontonagon	3.20	3.03	0.17	

Other monthly precipitation totals from coop observers:

Location	Precipitation (inches)
Amasa (Iron County)	M
Atlantic Mine (Houghton County)	4.60
Baraga (Baraga County)	4.05
Bergland Dam (Ontonagon County)	2.83
Big Bay (Marquette County)	4.20
Chatham (Alger County)	4.03
Clarksburg (Marquette County)	3.26
Cooks (Schoolcraft County)	3.94
Copper Harbor (Keweenaw County)	4.48
Garden Corners (Delta County)	3.70
Gladstone (Delta County)	5.15
Greenland (Ontonagon County)	3.72
Gwinn (Marquette County)	3.51
Harvey (Marquette County)	3.91
Herman (Baraga County)	3.32
Ishpeming (Marquette County)	M
Jacobsville (Houghton County)	4.09
Laurium (Houghton County)	M
Marquette West (Marquette County)	3.62
Mohawk (Keweenaw County)	5.60
Menominee (Menominee County)	3.70
Norway (Dickinson County)	3.35
Painesdale (Houghton County)	4.75
Rapid River (Delta County)	4.17
Stambaugh (Iron County)	4.11
Twin Lakes (Houghton County)	4.08
Two Heart (Luce County)	4.02
Watersmeet (Gogebic County)	3.52
Watton (Baraga County)	4.24

We Energies Rain Gauges (inches)*

Crystal Falls (Iron County)	M
Witch Lake (Marquette County)	4.30
Iron River (Iron County)	4.24
Covington (Baraga County)	3.99

* *This data has not been quality controlled by the National Weather Service.*

Drought Discussion

According to the latest release of the U.S. Drought Monitor, the Keweenaw Peninsula was classified as Abnormally Dry. Elsewhere, no drought was noted.

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

June 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 coldest month, where applicable.

Location	Temperature (degrees)	Above/Below	Rank
WFO Marquette	59.0	-0.9	
Marquette City	57.9	-2.0	
Houghton Airport	56.9	-2.5	
Ironwood	60.8	-1.1	
Iron Mountain	62.4	-0.8	
Manistique	58.5	-0.4	
Munising	57.7	-0.9	
Newberry	59.0	-0.7	
Ontonagon	61.9	-0.2	

June River Levels

June average streamflow was near normal over Upper Michigan.

June Products Issued

Flood Warnings (FLW): 0
Flood Advisories (FLS): 1
River Statements (RVS): 0
Flash Flood Watches (FFA): 0
Flash Flood Warnings (FFW): 0
Flash Flood Statements (FFS): 0

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