

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 2018
	DATE: Aug 3, 2018
	SIGNATURE: Robin J. Turner, MIC Keith White, Hydrology Program Manager
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.

July Flooding

After a hydrologically active June, July was relatively tame with only a couple reports of flood damage and comparatively few products issued. First, an Urban and Small Stream Flood Advisory was issued for portions of Menominee and Delta Counties on the afternoon of the 1st. No flooding reports were received by our office.

On July 4th, a Flood Advisory and subsequent Flash Flood Warning were issued in Menominee County where a measurement of 3” in 2 hours was reported, but no flooding reports were received for this event, either.

Lastly, in the early morning hours of July 12th, a Flood Advisory was issued across Keweenaw, Houghton, Baraga, and Ontonagon Counties. This event caused further issues in the already damage-stricken areas of the June 17th event, and measurements of 2-3+” of rainfall were reported in locations stretching from Ontonagon through Freda, Atlantic Mine, and Hancock, and a couple of reports of additional road washouts came in from the area near Tamarack City.

July Precipitation

Much of the Upper Peninsula saw above-average precipitation in the month of July. The exception was across southwestern portions of the area, where a swath of somewhat drier conditions stretched from Ironwood through Stambaugh to Iron Mountain.

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.

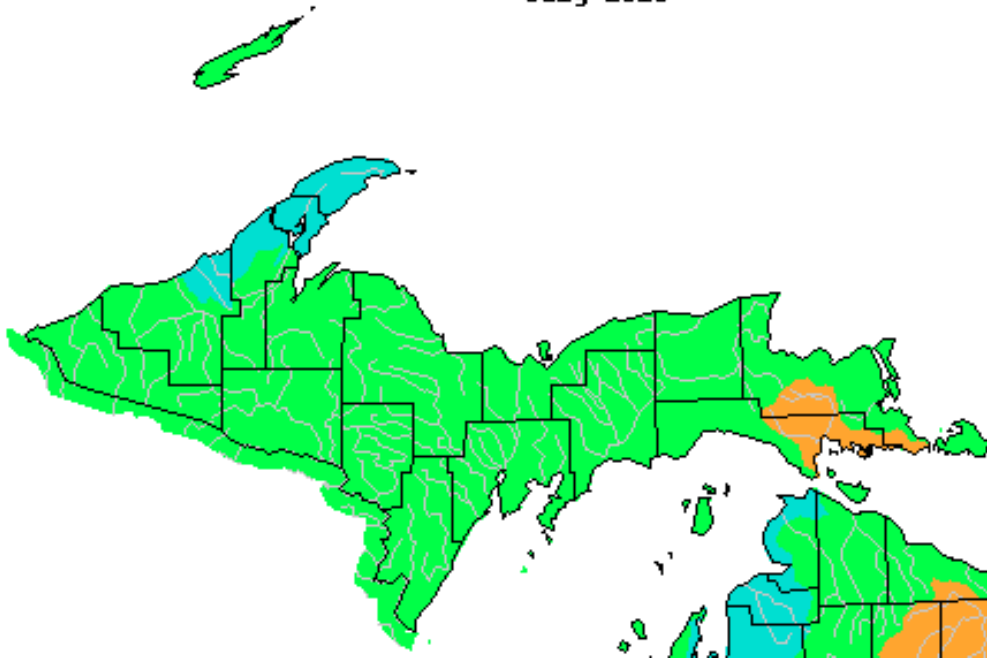
Location	Precipitation	Above/Below
WFO Marquette	3.21”	+0.37”
Marquette City	3.91”	+0.91”
Houghton Airport	4.30”	+1.81”
Ironwood	3.93”	-0.17”
Iron Mountain	2.49”	-0.96”
Manistique	3.53”	+0.49”
Munising	5.20”	+1.93”
Newberry	3.13”	+0.03”
Stambaugh	3.50”	-0.67”









Drought Discussion

The August 9th release of the US Drought Monitor continued to indicate D0 drought across the majority of Luce County. For the latest drought status, please go to <http://www.drought.gov>.

July River Levels

July 2018



Explanation - Percentile classes								
								
Low	<10	10-24	25-75	76-90	>90	High	No Data	
	Much below normal	Below normal	Normal	Above normal	Much above normal			

July Products Issued

- 0 – Flash Flood Watch (FFA)
- 0 – Flood Warning (FLW)
- 1 – Flash Flood Warning (FFW)
- 3 – Flash Flood Statement (FFS)
- 5 – Flood Advisories and Statements (FLS)
- 31 – Hydrologic Summary (RVA)
- 1 – Hydrologic Outlook (ESF)