

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): December 2017
	DATE: January 15, 2018
	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.

December Flooding

An ice jam formed at the mouth of the Chocolay River on January 31st due to large waves pushing lake ice into the river. The extent of any impacts is unknown at this time, but some residences along Bayou Street in Harvey may have been affected.

December Precipitation

December precipitation was above normal from Ironwood through the Keweenaw and east of Marquette due largely to persistent NW wind lake effect snow. Elsewhere, precipitation was near normal.

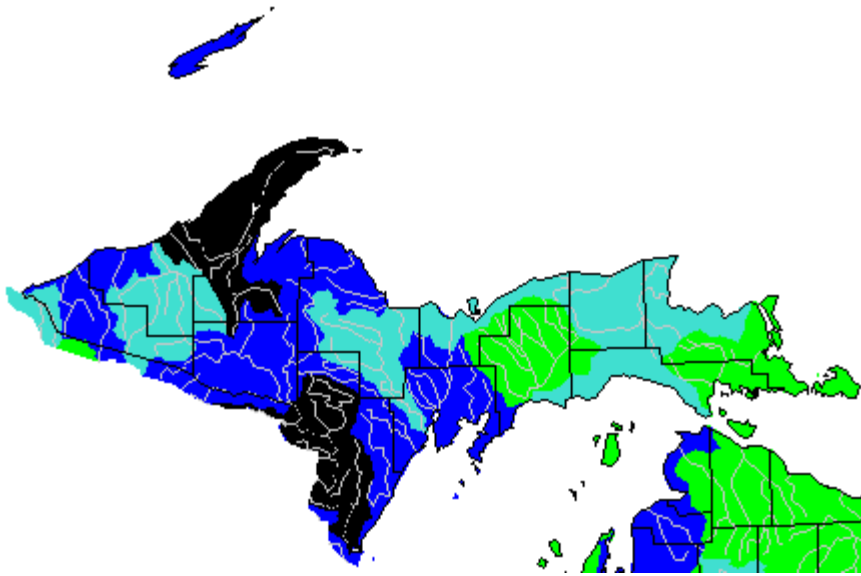
Below is a chart of some of the larger cities in the Upper Peninsula, with monthly precipitation in inches, the amount of inches above or below normal for the month and any applicable record high or low rank.

Location	Precipitation	Above/Below	Rank	Snowfall	Above/Below	Rank
WFO Marquette	2.14	-0.43		38.0	-4.8	
Marquette City	2.13	0.16		12.9	-12.4	
Houghton Airport	4.54	No Data		83.1	No Data	
Ironwood	3.02	0.91		46.2	-0.1	
Iron Mountain	1.51	-0.04		10.5	-3.4	
Manistique	2.72	1.12		13.0	No Data	
Munising	4.37	0.62		64.2	23.0	5 th
Newberry	3.22	No Data		36.5	No Data	

Drought Discussion

The January 2, 2018 release of the U.S. Drought Monitor did not indicate drought conditions across Upper Michigan. For the latest drought status, please go to <http://www.drought.gov>.

December River Levels



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		

December Products Issued

31 – Hydrologic Summary

2 – Flood Warning

1 – Hydrologic Outlook