

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):
February 2020

DATE: **March 8th, 2020**

SIGNATURE:
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Jordan Wendt, 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).

X

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

February Summary

A stark difference between this past February and February of 2019. Below normal precipitation was seen across much of the basins, with the exception of the Pictured Rocks and Tahquamenon basins (Figure 2). Periods of warm and cold weather were observed in February with minimal extended periods of arctic air, leaving ice coverage on rivers low. Despite below normal precipitation throughout the month, SWE measurements are fairly comparable to this time last year thanks to a couple early season wet snowfalls.

Location	Precipitation	% of normal	Snowfall
WFO Marquette	1.35"	63%	27.7"
Marquette City	0.88"	67%	10.8"
Quincy Hill	1.19"	M	22.9"
Ironwood	0.64"	50%	10.6"
Iron Mountain	0.54"	54%	6.2"
Manistique	0.79"	69%	10.0"
Munising	1.82"	91%	30.3"
Stambaugh	0.34"	40%	2.1"

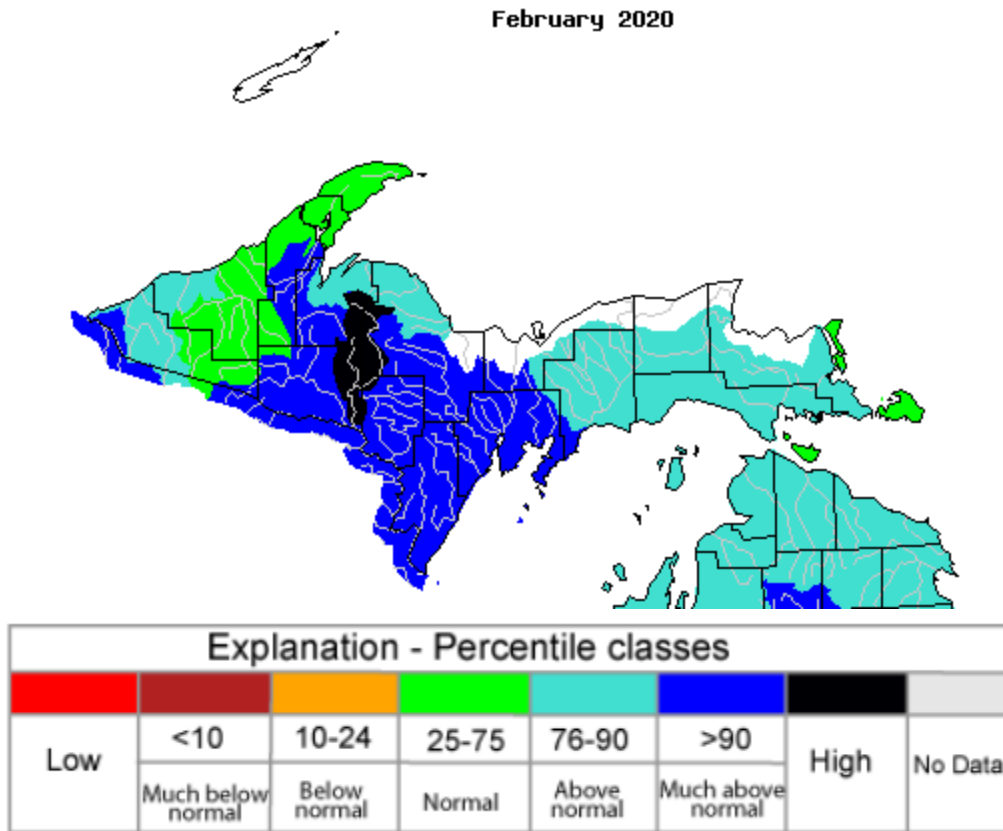
NOTE: Rainfall after 8am EST Jan. 31 was counted in February stats for all but the NWS Marquette site due to the reporting structure of our cooperative observers.

February Flooding Conditions

Rivers did not reach flood stage in the Upper Peninsula.

February River Conditions

River levels across the NWS Marquette Hydrologic Service Area were above normal across the central basins and slightly above normal elsewhere.



Drought Discussion

No drought conditions are depicted in the Upper Peninsula. For the latest drought status, please go to <http://www.drought.gov>.

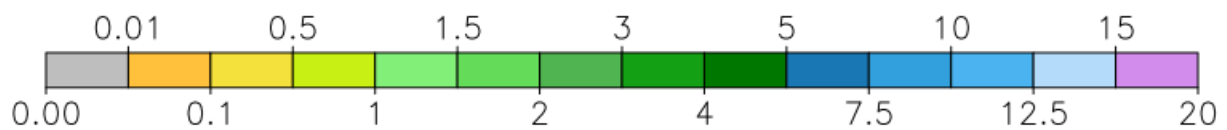
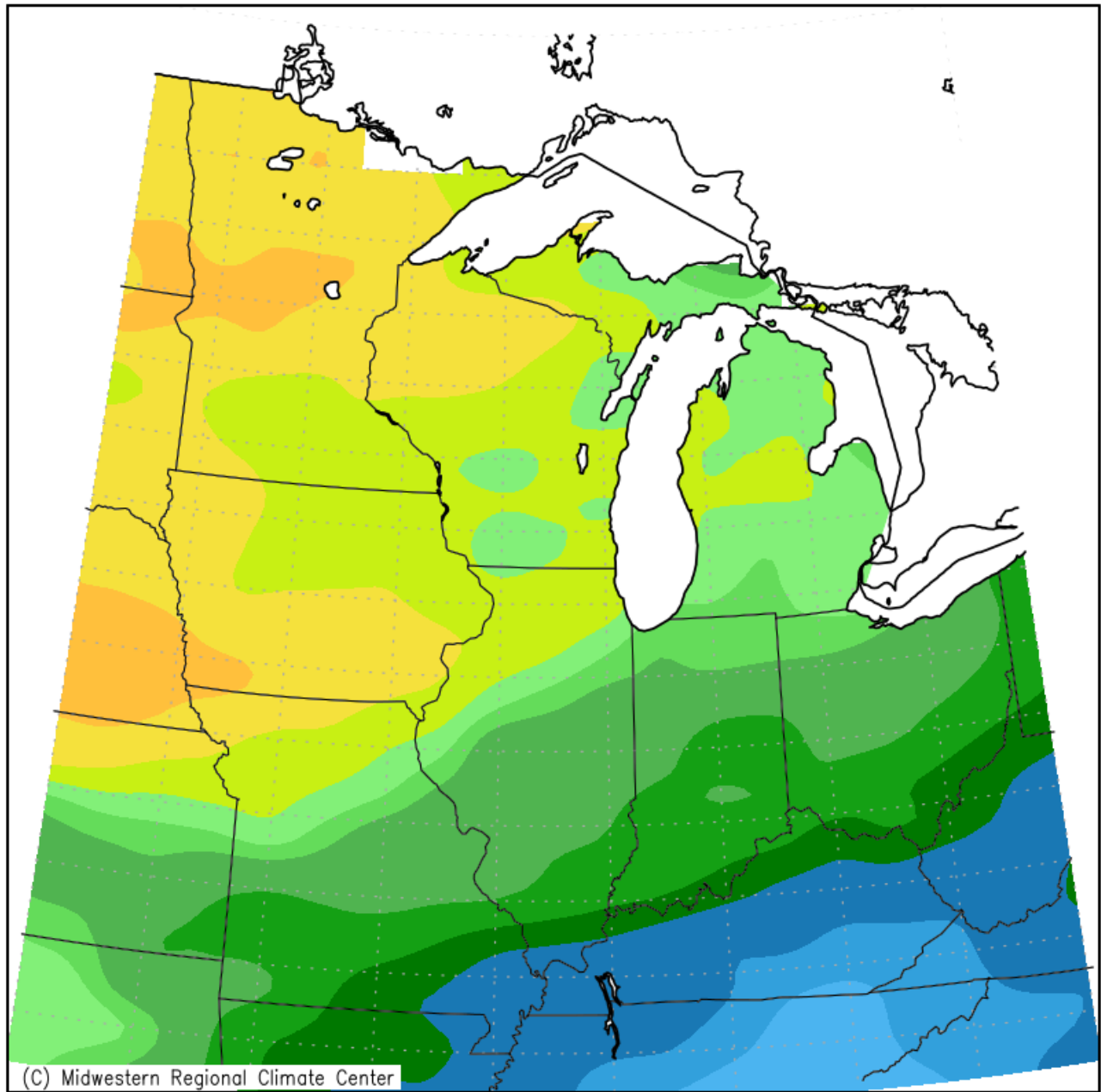
Media Links

No media links

February Products Issued

- 3 – Hydrologic Outlook (ESF)
- 0 – Flood Watch (FFA)
- 0 – Flood Warning (FLW)
- 0 – Flood Advisories and Statements (FLS)
- 0 – Flash Flood Warning (FFW)
- 0 – Flash Flood Statement (FFS)
- 29 – Hydrologic Summary (RVA)
- 0 – Daily River Forecasts (RVD)

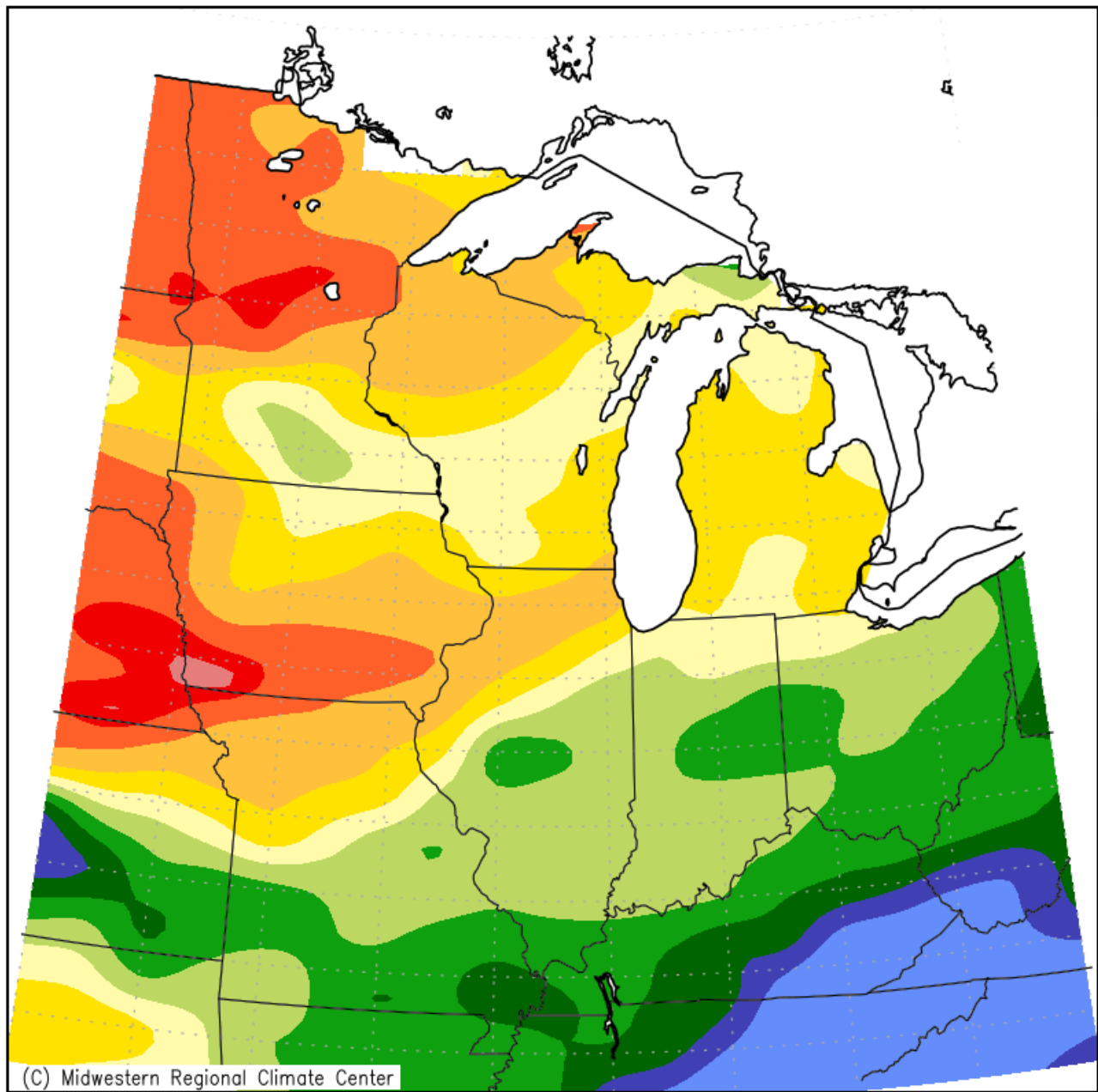
Accumulated Precipitation (in)
February 1, 2020 to February 29, 2020



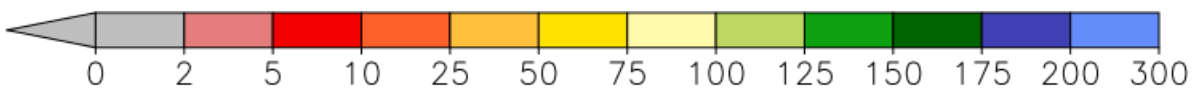
Midwestern Regional Climate Center
Illinois State Water Survey, Prairie Research Institute
University of Illinois at Urbana–Champaign

Figure 1. February 2020 Monthly Precipitation Totals.

Accumulated Precipitation: Percent of Mean February 1, 2020 to February 29, 2020



Mean period is 1981–2010.



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Figure 2. February 2020 Percent of Normal of Accumulated Precipitation

Calculated Soil Moisture Anomaly (mm) FEB, 2020

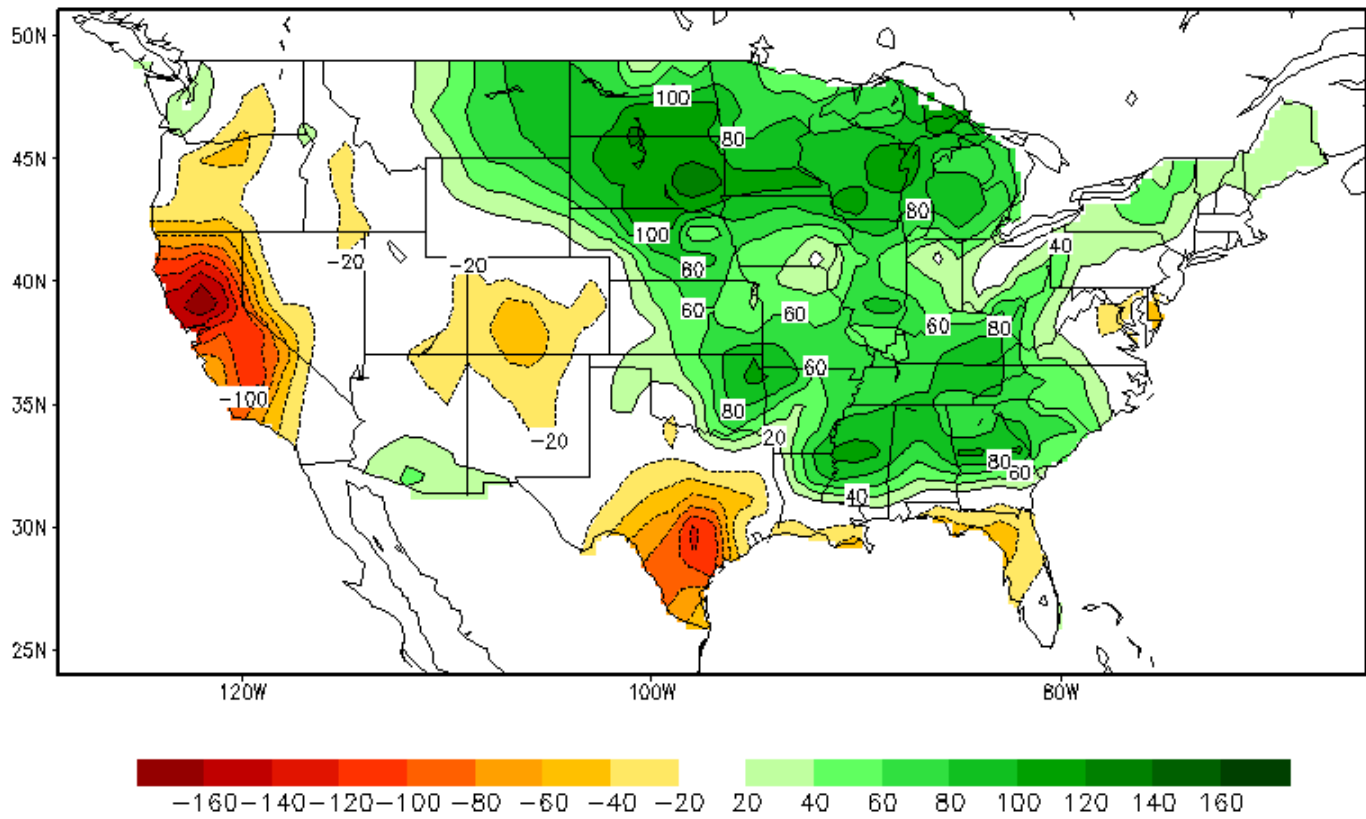


Figure 3: Climate Prediction Center monthly soil moisture anomaly for February 2020

Calculated Soil Moisture Ranking Percentile FEB, 2020

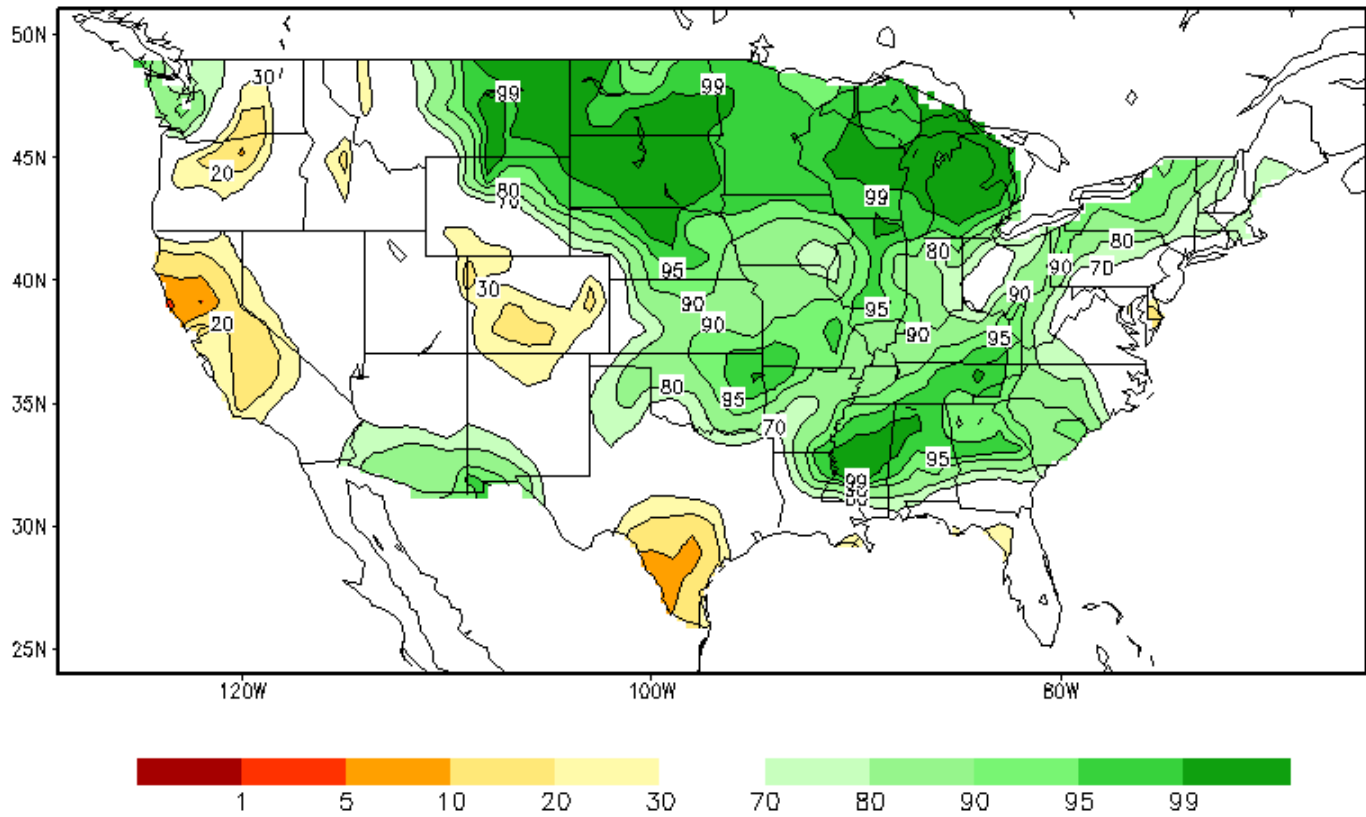


Figure 4: Climate Prediction Center monthly average soil moisture percentile for February 2020