NWS FORM E-5 U.S. DEPARTMENT OF COMMERCE NOAA, NATIONAL WEATHER SERVICE	HSA OFFICE: **Marquette, MI**
MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS	REPORT FOR (MONTH / YEAR): **May 2021**
TO: NATIONAL WEATHER SERVICE (W/OH12x1) HYDROMETEOROLOGICAL INFO CENTER 1325 EAST-WEST HIGHWAY, RM 7116 SILVER SPRING, MD 20910	DATE: **June 7th, 2021**
	SIGNATURE: **Linda Gilbert** **Robin J. Turner, MIC**
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.

Summary

The anomalous conditions continue to persist into the Spring season. Well-below normal precipitation was reported at all locations (below), including snowfall. This has contributed to drought conditions in the eastern portions of the Upper Peninsula of Michigan as of the end of May. Throughout the month of May, precipitation was sporadic in nature, with no widespread events of note observed.

Location	Precipitation	% of normal	Snowfall
WFO Marquette	0.96”	28%	0.5”
Marquette City	0.82”	28%	0.0”
Quincy Hill	1.39”	M	0.0”
Ironwood	1.77”	47%	0.0”
Iron Mountain	1.69”	49%	0.0”
Manistique	1.06”	36%	0.0”
Munising	0.97”	32%	0.0”
Stambaugh	0.80”	25%	T

NOTE: Precipitation after 8am EDT April 30th was counted in May stats for all but the WFO Marquette site due to the reporting structure of our cooperative observers.

Flooding Conditions

There were no river flooding concerns during the month of May.

River Conditions

Monthly average streamflows across Upper Michigan were near to below normal for the month of May. This is primarily due to the aforementioned anomalously dry conditions for the month of May and overall lack of widespread precpitation.

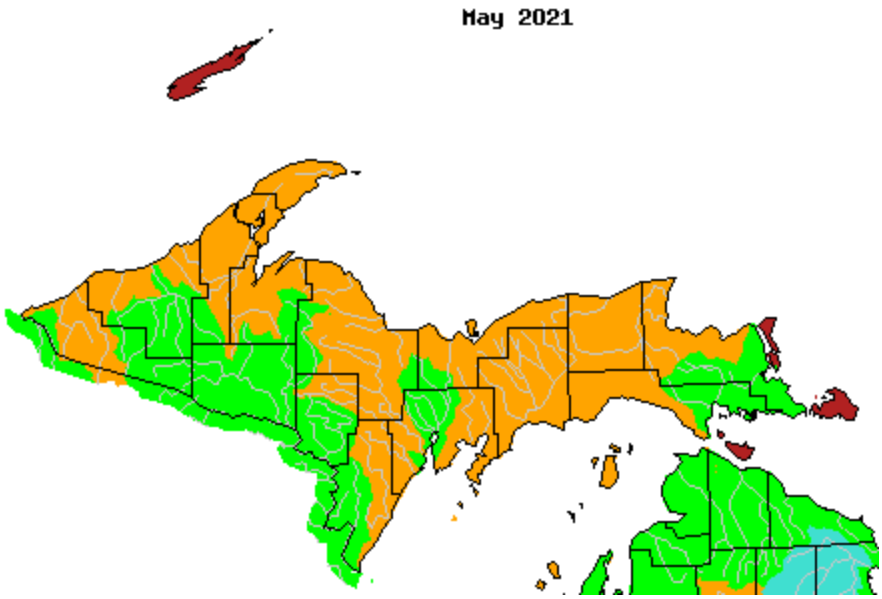

Figure 1: USGS monthly average streamflow in May 2021 across Upper Michigan.

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		

Snowpack Conditions

The next snowpack discussion will start at the beginning of the 2021-2022 winter season.

Drought Discussion

Due to the ongoing well-below normal precipitation and near to below normal streamflow, eastern Upper Michigan remains in a D1 status on the U.S. Drought Monitor. For the latest drought status, please visit http://www.drought.gov.

Media Links

None.

Hydro Products Issued

0 – 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)
31 – Hydrologic Summary (RVA)
26 – Daily River Forecasts (RVD)

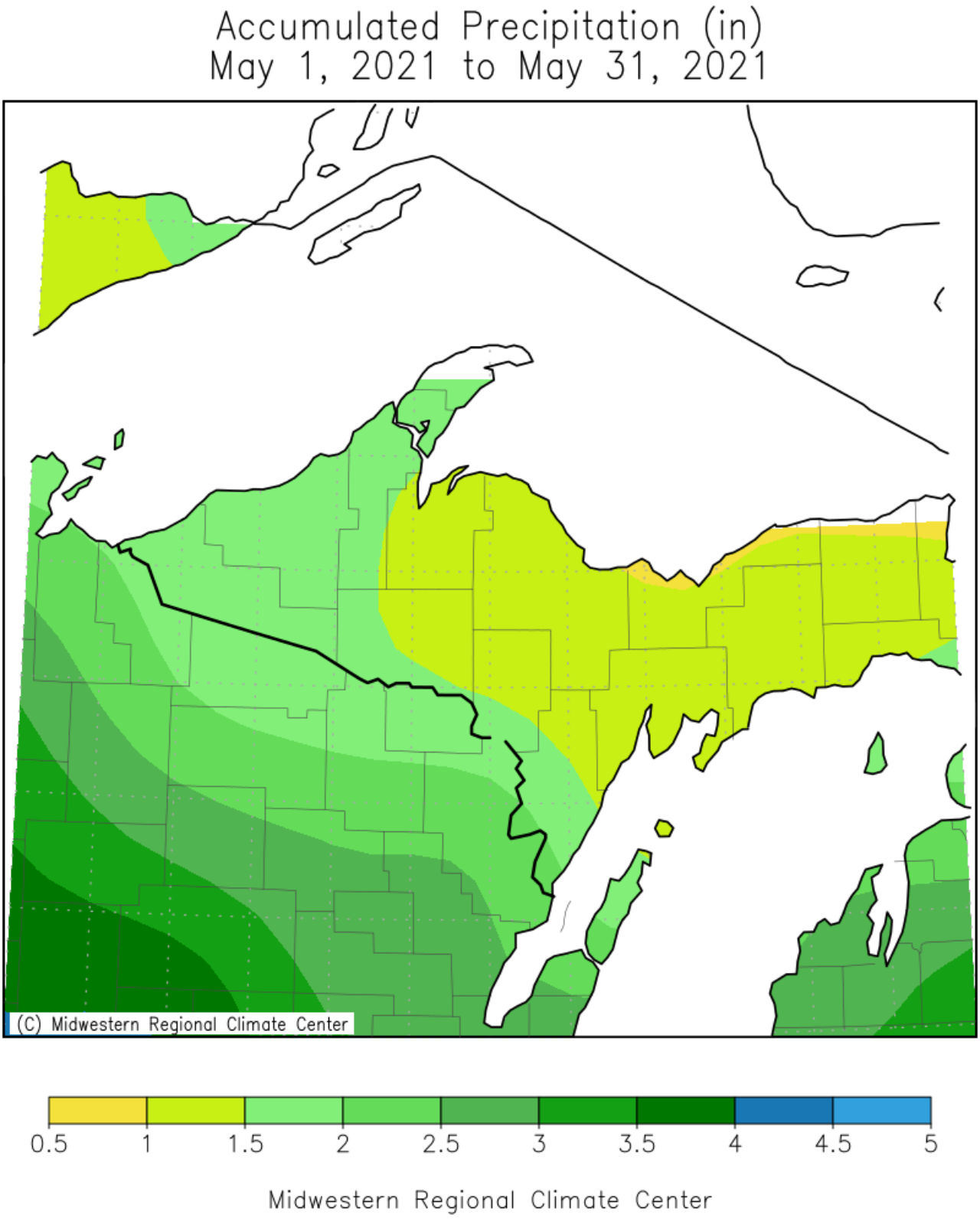

Figure 3: May 2021 Monthly Precipitation Totals.

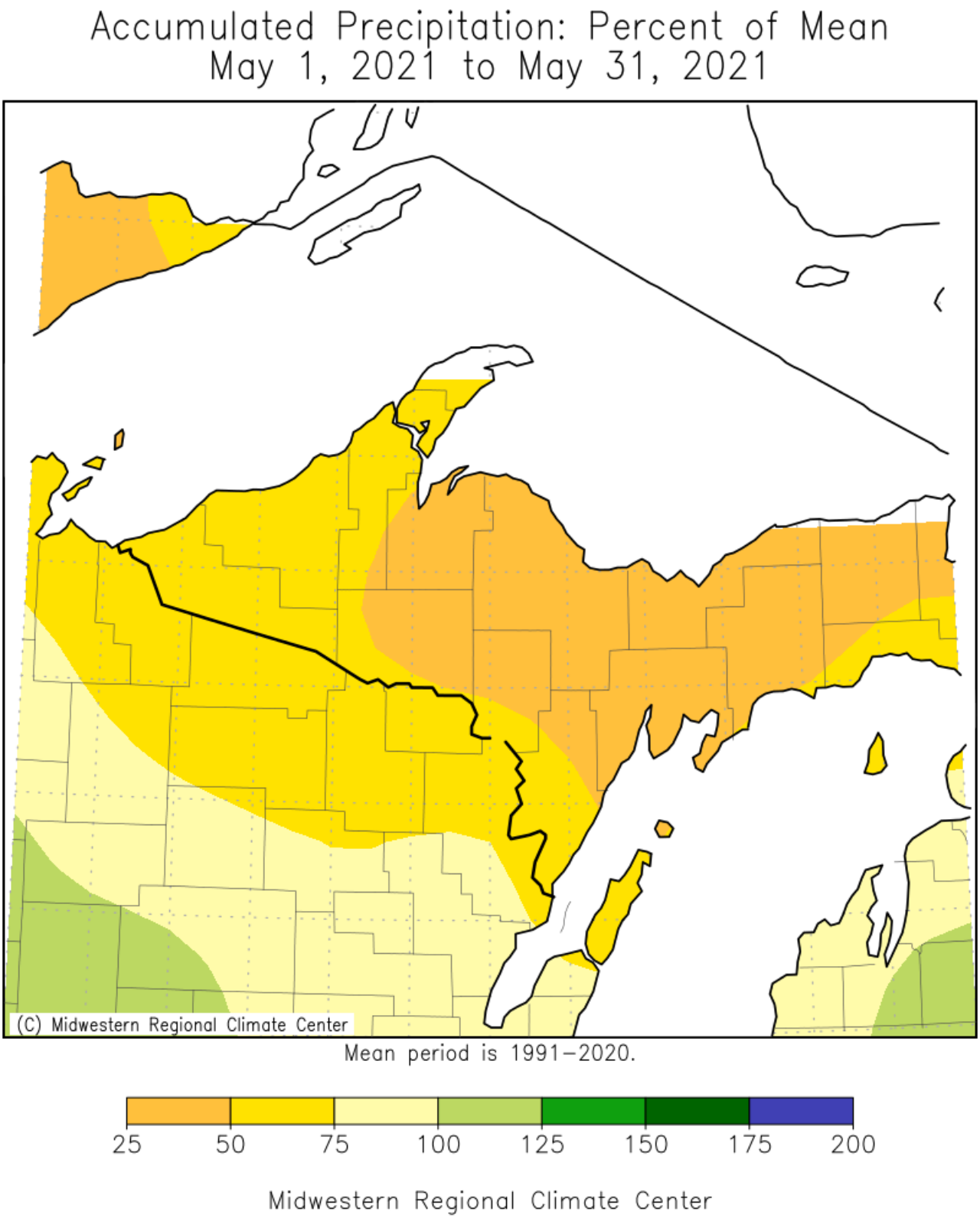

Figure 4: May 2021 Percent of Normal of Accumulated Precipitation

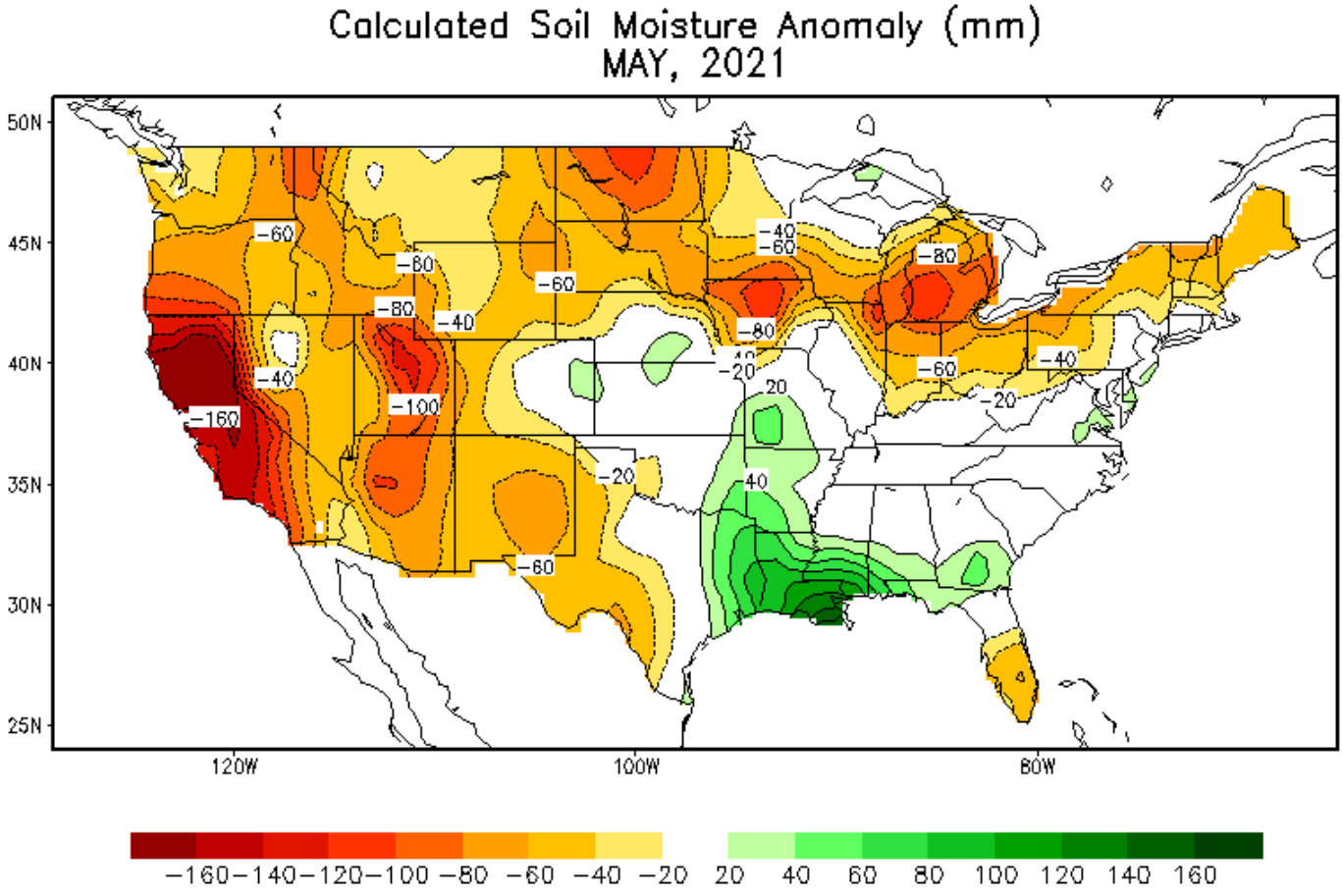

Figure 5: Climate Prediction Center's monthly average soil moisture anomaly for May 2021.