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| 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): April 2012 |
| | DATE: June 1, 2012 |
| | 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.

April Flooding

No flooding was reported to the National Weather Service (NWS).

April Precipitation

April precipitation was below to well below normal across Upper Michigan. Warm temperatures caused a majority of the precipitation that did fall to be rain, leading to large snowfall deficits. The below normal precipitation was due to a low number of storm systems moving through in April.

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 | 2.27 | -0.54 | | 1.7 | -10.0 | 6 th |
| Marquette City | 1.50 | -0.90 | | 0.3 | -7.5 | 5 th |
| Houghton Airport | 1.12 | -0.85 | | 2.4 | -4.7 | |
| Ironwood | 1.94 | -0.50 | | 1.2 | -9.1 | |
| Iron Mountain | 1.07 | -1.27 | | Trace | -4.3 | |
| Manistique | 1.03 | -1.23 | | Trace | -2.5 | |
| Munising | 1.31 | -1.00 | | 2.0 | -4.9 | |
| Ontonagon | 1.63 | -0.62 | | 2.0 | -5.0 | |

Other monthly precipitation totals from coop observers:

| Location | Precipitation (inches) | Snowfall (inches) |
|-----------------------------------|---------------------------|----------------------|
| Amasa (Iron County) | 1.30 | 0.7 |
| Atlantic Mine (Houghton County) | 1.89 | 4.0 |
| Baraga 7NW (Baraga County) | 1.02 | 1.8 |
| Bergland Dam (Ontonagon County) | 2.42 | 1.4 |
| Big Bay (Marquette County) | M | M |
| Big Bay 9SW (Marquette County) | 1.09 | 0.8 |
| Chatham (Alger County) | 1.05 | 1.5 |
| Clarksburg (Marquette County) | 1.43 | 0.9 |
| Cooks (Schoolcraft County) | 1.23 | 1.0 |
| Copper Harbor (Keweenaw County) | 1.86 | 3.1 |
| Garden Corners (Delta County) | 1.01 | T |
| Gladstone (Delta County) | 1.14 | T |
| Greenland 6N (Ontonagon County) | 1.31 | 1.0 |
| Gwinn (Marquette County) | 1.31 | 0.2 |
| Harvey (Marquette County) | 1.52 | T |
| Herman (Baraga County) | 2.45 | 6.0 |
| Ishpeming 7NNE (Marquette County) | 1.73 | M |
| Jacobsville (Houghton County) | 1.91 | 1.9 |
| Mohawk (Keweenaw County) | 2.51 | 2.6 |
| Menominee (Menominee County) | 1.74 | M |
| Norway (Dickinson County) | 1.23 | 0.4 |
| Painesdale (Houghton County) | 2.12 | 2.5 |
| Stambaugh (Iron County) | 1.02 | T |
| Twin Lakes (Houghton County) | 2.05 | 2.1 |
| Watersmeet (Gogebic County) | 1.23 | 2.0 |
| Watton (Baraga County) | 1.26 | 2.5 |

Drought Discussion

According to the May 15th, 2012 release of the U.S. Drought Monitor, Much of Marquette and Dickinson Counties were classified under Moderate (D1) Drought. No drought was indicated over southern Menominee County. Otherwise, all other areas of Upper Michigan were classified as Abnormally Dry (D0).

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

April 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 warmest or coldest month, where applicable.

| Location | Temperature (degrees) | Above/Below | Rank |
|------------------|-----------------------|-------------|------|
| WFO Marquette | 39.0 | 1.4 | |
| Marquette City | 40.4 | 0.9 | |
| Houghton Airport | 38.9 | 1.4 | |
| Ironwood | 40.7 | 0.8 | |
| Iron Mountain | 42.9 | 1.6 | |
| Manistique | 39.2 | 0.5 | |
| Munising | 39.2 | 1.0 | |
| Ontonagon | | | |

April River Levels

According to the United States Geological Survey, April streamflow was below to much below normal.

April Products Issued

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

CC:
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