

Montana Drought/Precipitation Summary

August 1, 2003

Montana weather and precipitation summary, July 2003.

July 2003 ended up very dry across much of the state. Isolated thunderstorms dropped significant precipitation during the month. On July 2, thunderstorms produced over one inch of rain at Glendive, then again on July 8, isolated thunderstorms dropped over one inch of rain in areas around Glasgow, Jordan and Sidney. Later in the month, isolated heavy amounts were recorded over central and south central portions, however, most locations recorded less than 25 percent of their July average precipitation. Additionally, temperatures were significantly warmer than normal, running 3 to 9 degrees above the 30-year average. Temperatures over 100 degrees were recorded in many areas.

**Historical Rank of Precipitation (inches)
for the Past Month and Water Year to Date**

Location	Ju1 1 - Jul 31	% of Normal	Oct 1 - Ju1 31	% of Normal	Rank	Years on Record
Billings	T	0	8.53	68	10 th driest	69
Bozeman	0.53	45	11.51	95	31 st driest	62
Butte	0.37	25	7.50	72	14 th driest	84
Cut Bank	0.11	7	4.71	49	3 rd driest	90
Dillon	0.40	35	6.79	72	19 th driest	65
Glasgow	1.47	83	7.86	87	29 th driest	110
Great Falls	0.18	12	8.30	69	12 th driest	110
Havre	0.42	28	7.75	84	26 th driest	123
Helena	0.23	17	7.40	82	18 th driest	123
Kalispell	0.09	6	8.66	59	6 th driest	103
Lewistown	0.59	28	11.75	80	18 th driest	77
Livingston	0.29	19	12.26	95	23 rd wettest	54
Miles City	0.25	16	8.58	75	13 th driest	109
Missoula	0.46	42	11.15	96	25 th driest	54

For an automated version of this chart, updated daily, go to
<http://www.wrh.noaa.gov/cgi-bin/greatfalls/getproduct.pl?PCPNTOTALS>

For a state map of % of normal water year precipitation (updated around the 7th of each month), go to:
http://www.wrh.noaa.gov/Greatfalls/tfx.php?TEXT+wateryear_percent.html

For the latest information on mountain snow pack from the NRCS, go to:
[Western Mountain Snowpack - NRCS](#)

For the latest U.S. Drought Monitor, issued weekly by the Climate Prediction Center (CPC), go to:
[Drought Monitor](#)

Montana precipitation/temperature forecast.

As of August 1st, CPC forecasts equal chances of wetter or drier than normal conditions across Montana for the period through September 2003, with above normal temperatures forecast. Graphics and text relating to these outlooks, and additional long-range forecasts can be found at [CPC long range predictions](#)

Further inquiries about the moisture conditions can be directed to Dave Bernhardt, Gina Loss, or Ken Pomeroy at (406) 453-2081. Many more links can be found on the Drought Information Page of the NWS Great Falls web site at <http://www.wrh.noaa.gov/Greatfalls/tfx.php?HTML+drought>