

Montana Drought/Precipitation Summary

July 1, 2003

Montana precipitation summary, June 2003.

In June, the typical scattered thunderstorm activity brought varying amounts of rainfall across the state. Isolated amounts of over four inches were recorded in parts of eastern Montana. Most of the state continued a pattern of below normal precipitation, ranging from below 50 percent of normal in the northwest to over 100 percent of normal in the Havre area. This brought little recovery in the water-year totals. Temperatures averaged below normal in the east and above normal in the west, ranging from 3.7 degrees below normal at Miles City, to 2.6 degrees above normal at Kalispell, where very dry conditions continue.

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

| Location | Jun 1 - Jun 30 | % of Normal | Oct 1 - Jun 30 | % of Normal | Rank | Years on Record |
|-------------|----------------|-------------|----------------|-------------|--------------------------|-----------------|
| Billings | 1.79 | 95 | 8.53 | 75 | 18 th driest | 69 |
| Bozeman | 1.58 | 66 | 10.98 | 100 | 23 rd wettest | 62 |
| Butte | 1.03 | 50 | 7.13 | 80 | 24 th driest | 84 |
| Cut Bank | 1.10 | 44 | 4.60 | 57 | 5 th driest | 90 |
| Dillon | 1.28 | 68 | 6.39 | 78 | 28 th wettest | 65 |
| Glasgow | 1.96 | 89 | 6.39 | 89 | 28 th driest | 110 |
| Great Falls | 1.85 | 83 | 8.12 | 77 | 17 th driest | 110 |
| Havre | 2.39 | 126 | 7.33 | 95 | 41 st driest | 123 |
| Helena | 1.49 | 82 | 7.17 | 94 | 30 th driest | 123 |
| Kalispell | 1.24 | 54 | 8.57 | 64 | 8 th driest | 103 |
| Lewistown | 1.32 | 45 | 11.16 | 89 | 35 th driest | 77 |
| Livingston | 2.14 | 87 | 11.97 | 106 | 18 th wettest | 54 |
| Miles City | 2.22 | 77 | 8.33 | 84 | 29 th driest | 109 |
| Missoula | 1.10 | 86 | 10.69 | 102 | 23 rd wettest | 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/tx.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 forecast.

As of July 1st, CPC forecasts equal chances of wetter and drier than normal conditions across Montana for the period through August 2003. 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/tx.php?HTML+drought>